Side view

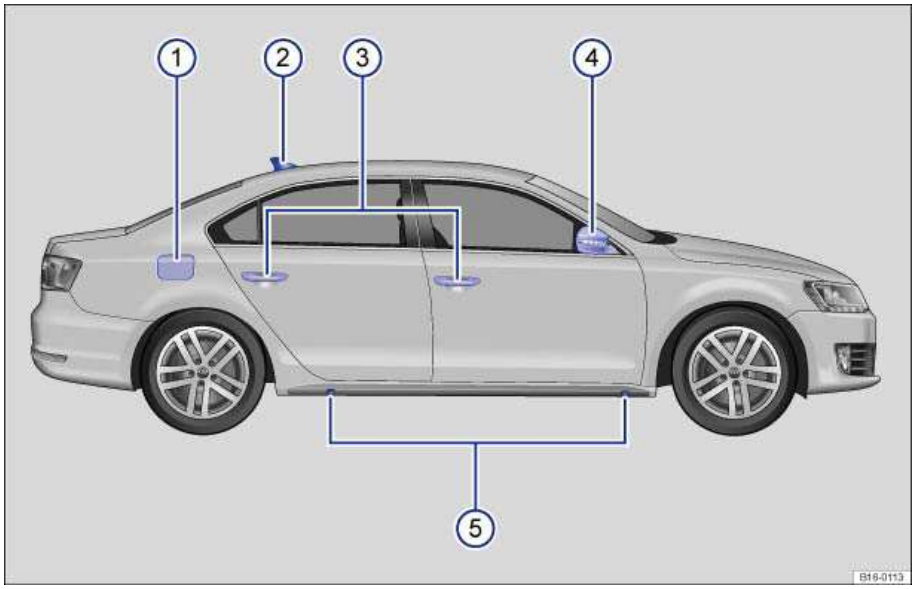

Fig. 1 Vehicle side overview.

Key to fig. 1:

(1) Fuel filler flap
(2) Roof antenna
(3) Outside door handles
(4) Outside mirror
  – Additional turn signal light
(5) Lift points for the jack

Front view

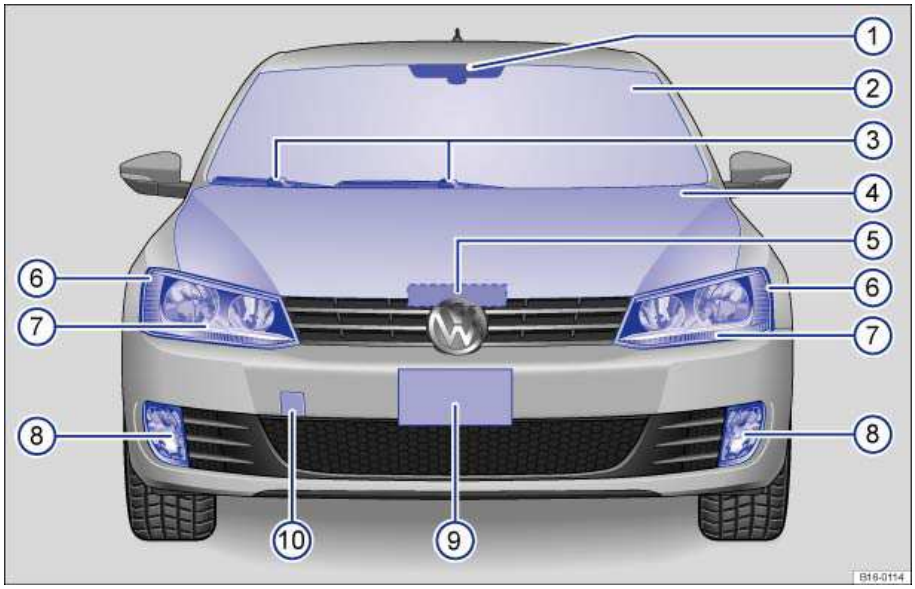

Fig. 2 Vehicle front overview.

Key to fig. 2:

(1) Inside mirror
(2) Front windshield
(3) Windshield wipers
(4) Engine hood
(5) Engine hood release
(6) Side marker lights
(7) Headlights
(8) Fog lights
(9) Front license plate bracket
(10) Threaded hole for the front towing eye (behind cover)

Rear view

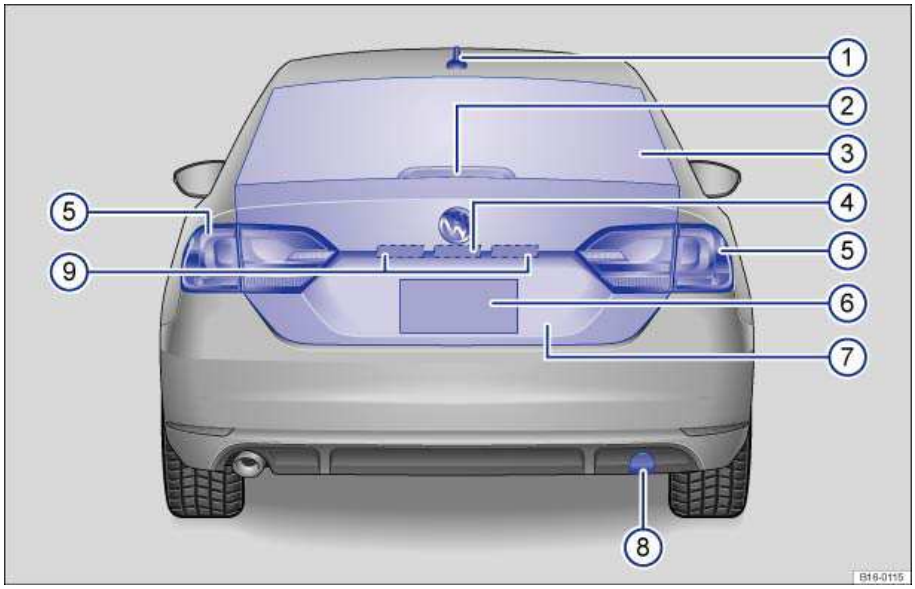

Fig. 3 Vehicle rear overview.

Key to fig. 3:

(1) Roof antenna
(2) High-mounted brake light
(3) Rear window
  – Rear window defroster
(4) Luggage compartment release
(5) Taillights
(6) Rear license plate bracket
(7) Luggage compartment lid
(8) Threaded hole for the rear towing eye (behind cover)
(9) License plate lights

Driver door overview

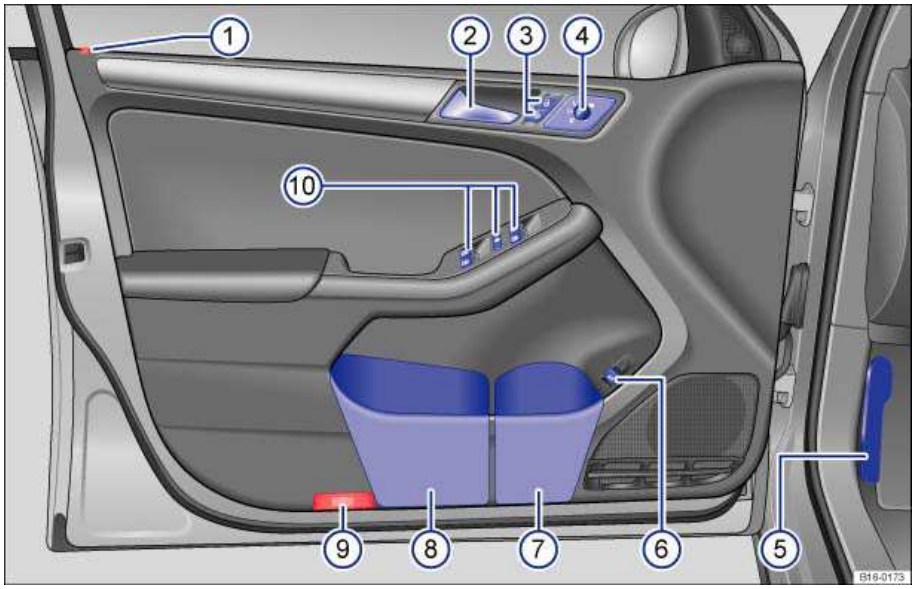

Fig. 4 Overview of controls in the driver door.

Key to fig. 4:

(1) Indicator light for anti-theft alarm system (if equipped)
(2) Door handle
(3) Power locking button for locking and unlocking the vehicle 🔓 - 🔒
(4) Switch for adjusting the outside mirror (equipment varies)
  – Adjusting outside mirrors L - 0 - R
  – Outside mirror heating
(5) Lever for releasing the engine hood
(6) Luggage compartment release
(7) Bottle holder
(8) Storage compartment
(9) Reflector
(10) Buttons for operating the power windows
  – Power windows
  – Safety switch for rear power windows

Driver side overview

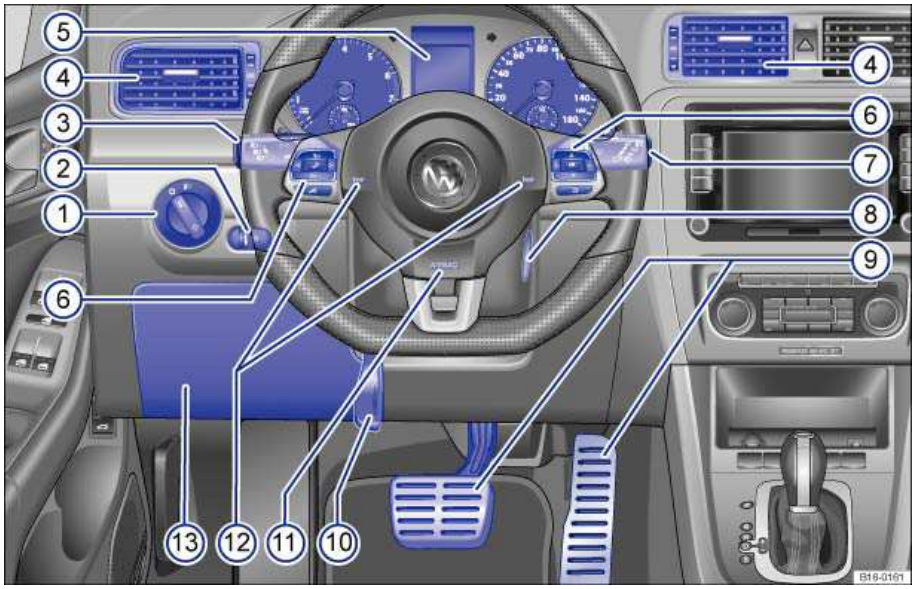

Fig. 5 Driver side overview.

Key to ⇒ fig. 5:

(1) Headlight switch ☼
- Off position **0**
- Low beams ≣D
- Fog lights ≣D

(2) Dimmer control for the instrument and switch illumination

(3) Lever for
- High beams ≣D
- Headlight flasher ≣D
- Turn signals
- Cruise Control System (CCS) **ON** - **CANCEL** - **OFF** - **RES/+** - **SET/–**

(4) Air vents ◀ - ▮▮▸ - ▶

(5) Instrument cluster:
- Instruments
- Display
- Warning and indicator lights

(6) Multi-function steering wheel controls
- Volume setting for radio programs, navigation system notifications, or telephone calls ± -
- Mute switching for radio or activation of voice control
- Display telephone main menu or accept telephone calls
- Audio, navigation ◁ – ▷
- Control switches for the Volkswagen Information System – △ – ▽ – , **OK**,

(7) Windshield wiper and washer lever

- Windshield wiper HIGH - LOW
- Intermittent operation for windshield wipers
- Windshield wiper OFF
- “One-tap wiping” 1x
- Windshield wiper
- Automatic wipe/wash for windshield
- Lever with buttons for the Volkswagen information system TRIP, OK/RESET

(8) Ignition switch (vehicles without Keyless Access) or location for the emergency start feature for the Keyless Access locking and starting system

(9) Pedals

(10) Lever for adjustable steering wheel

(11) Driver front airbag

(12) Horn (only works when the ignition is switched on)

(13) Fuse box cover

Center console overview

Upper center console

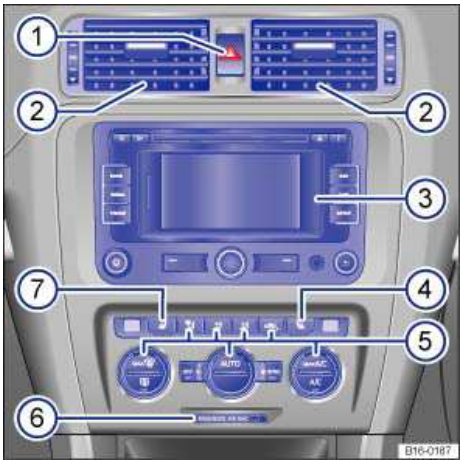

Fig. 6 Overview of the upper center console.

Key to fig. 6:

(1) Switch for emergency flashers ⚠

(2) Air vents ◀ - ▮▮▸ - ▶

(3) Radio or Radio & Navigation system (factory-installed) ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*

(4) Controls for:
- Manual AC
- Climatronic

(5) Passenger seat heating button

(6) PASSENGER AIR BAG OFF light (front airbag for front seat passenger)

(7) Driver seat heating button

Lower center console

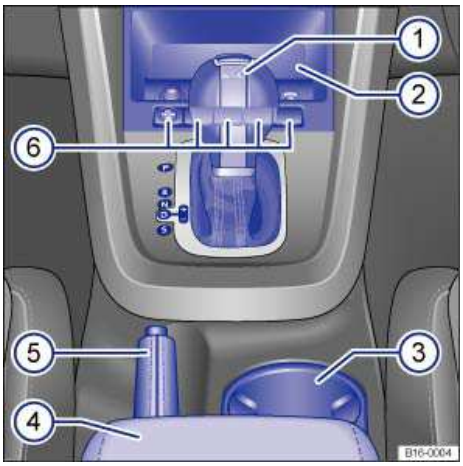

Fig. 7 Overview of the lower center console.

Key to fig. 7:

(1) Lever for:
- Manual transmission
- Automatic transmission

(2) Storage compartment
- with 12 Volt socket
- with AUX-IN socket ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*
- Card holder

(3) Storage compartment with cup holder in the center console

(4) Center armrest with storage compartment

(5) Parking brake lever

(6) Buttons for:
- Starter button for the Keyless Access locking and starting system
- ASR off button

Front passenger side overview

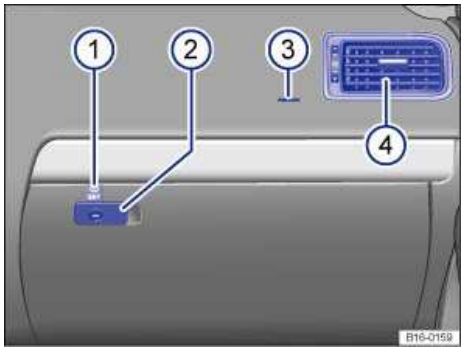

Fig. 8 Overview of the front passenger side.

Key to fig. 8:

(1) Inside the glove compartment: SET button for Tire Pressure Monitoring System (1) SET

(2) Opening handle for the glove compartment

(3) Passenger front airbag location in the instrument panel (approximate)

(4) Air vent ◀ - ▮▮▸ - ▶

Applicable only in Canada

Front passenger side overview

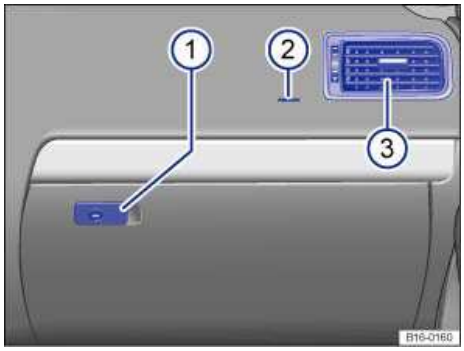

Fig. 9 Overview of the front passenger side.

Key to ⇒ fig. 9:

(1) Opening handle for the glove compartment

(2) Passenger front airbag location in the instrument panel (approximate)

(3) Air vent ◀ - ▮▮▸ - ▶

Applicable only in the United States

Symbols on the roof console

Symbol	Meaning
	Interior and reading lights
	Power sunroof
	Three-button module ⇒ Booklet *Mobile Phone Package*.

Applicable only in Canada

Symbols on the roof console

Symbol	Meaning
	Interior and reading lights
	Power sunroof

Instrument cluster

Introduction

In this section you'll find information about:

Instrument overview
Instrument overview
Displays
Compass
Service reminder display

More information

- Warning and indicator lights
- Volkswagen Information System
- Display of the selected gears (automatic transmission)
- Service reminder information ⇒ Booklet *Warranty and Maintenance*.

WARNING

Driving on today's roads demands the full attention of the driver at all times. Driver distraction causes accidents, collisions and serious personal injury!

- **Never use the buttons in the instrument cluster while driving.**

Applicable only in the United States

Instrument overview

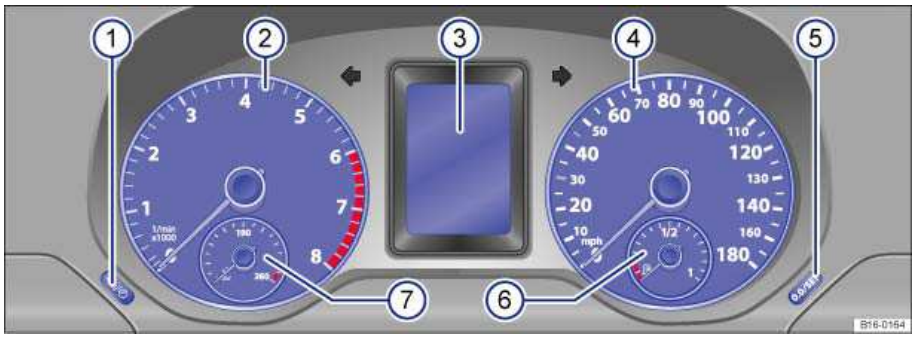

Fig. 10 Instrument cluster in the instrument panel.

Please first read and note the introductory information and heed the WARNINGS

Instrument explanations ⇒fig. 10:

(1) **Button for setting the instrument cluster clock**[1].
- With the ignition on, push the button to highlight the hour or the minutes in the clock display.
- To advance the clock, push the 0.0 / SET button (5). Press and hold the button to fast forward.
- Push the button again or wait about 10 seconds to finish setting the clock.

(2) **Tachometer** (in thousands of revolutions per minute when the engine is running).
The red zone at the end of the scale indicates maximum permissible engine rpm (revolutions per minute) for all gears after the break-in period. Before reaching the red zone, select the next higher gear or selector level position **D**, or ease your foot off the accelerator ⇒.

(3) **Displays**

(4) **Speedometer**.

(5) **Reset button** for the trip odometer display (`trip`).
- Push the 0.0 / SETbutton for about 1 second to reset to zero.

(6) **Fuel gauge**

(7) **Engine coolant temperature display**

NOTICE

- **To help prevent engine damage, always avoid high engine speeds, full throttle acceleration and heavy engine loads when the engine is cold.**
- **To help prevent engine damage, the tachometer needle should only enter the red zone (warning zone) briefly.**

Upshifting early into the next higher gear saves fuel and reduces engine noise.

Applicable only in Canada

Instrument overview

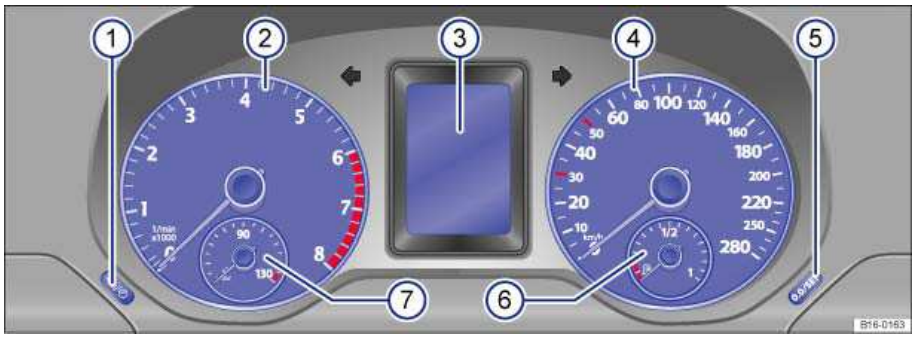

Fig. 11 Instrument cluster in the instrument panel.

Please first read and note the introductory information and heed the WARNINGS

[1] On appropriately equipped vehicles, the clock can also be set via the `Settings` menu in the instrument cluster display ⇒page 2.

Instrument explanations ⇒fig. 11:

(1) **Button for setting the instrument cluster clock**[2].
- With the ignition on, push the button to highlight the hour or the minutes in the clock display.
- To advance the clock, push the 0.0 / SET button (5). Press and hold the button to fast forward.
- Push the button again or wait about 10 seconds to finish setting the clock.

(2) **Tachometer** (in thousands of revolutions per minute when the engine is running).
The red zone at the end of the scale indicates maximum permissible engine rpm (revolutions per minute) for all gears after the break-in period. Before reaching the red zone, select the next higher gear or selector level position **D**, or ease your foot off the accelerator ⇒.

(3) **Displays** 20.

(4) **Speedometer**.

(5) **Reset button** for the trip odometer display (`trip`).
- Push the 0.0 / SET button for about 1 second to reset to zero.

(6) **Fuel gauge** 220.

(7) **Engine coolant temperature display**

NOTICE

- **To help prevent engine damage, always avoid high engine speeds, full throttle acceleration and heavy engine loads when the engine is cold.**
- **To help prevent engine damage, the tachometer needle should only enter the red zone (warning zone) briefly.**

Upshifting early into the next higher gear saves fuel and reduces engine noise.

Displays

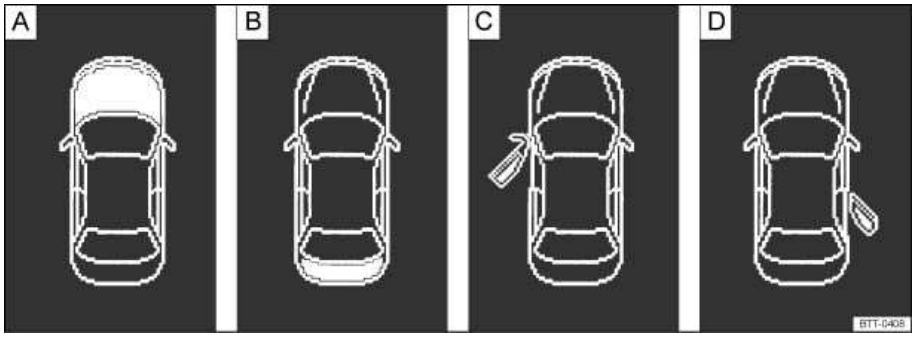

Fig. 12 In the instrument cluster display: A: Open engine hood, B: Open luggage compartment lid, C: Open front driver side door, D: Open rear passenger side door.

Please first read and note the introductory information and heed the WARNINGS

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[2] On appropriately equipped vehicles, the clock can also be set via the `Settings` menu in the instrument cluster display ⇒page 2.

Depending on the vehicle model, different information may be shown in the instrument cluster display ⇒ fig. 10 (3), ⇒ fig. 11 (3).

- Warning and information texts
- Odometer displays
- Time
- Outside temperature
- Compass display
- Open door, engine hood, or luggage compartment lid ⇒ fig. 12.
- Selector lever position
- Gear recommendation (manual transmission)
- Multi-Function Indicator (MFI) and menus for different settings
- Service reminder display
- Alternative speed display (**Settings** menu)

Compass

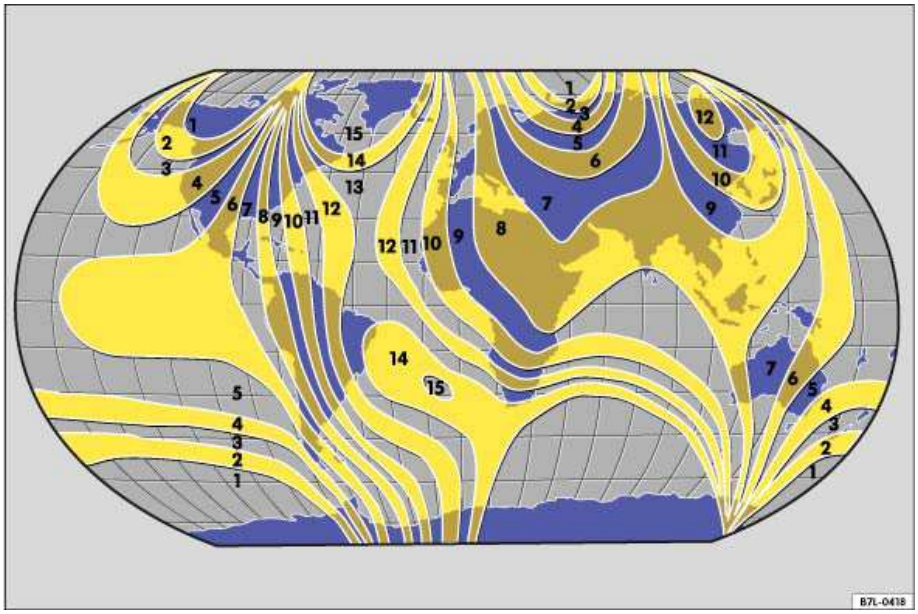

Fig. 13 Compass zones.

Please first read and note the introductory information and heed the WARNINGS ⚠

The compass does not need to be calibrated in vehicles with a factory-installed navigation system. There is no **Compass** menu item in this case.

On vehicles without a factory-installed navigation system, the compass is calibrated automatically. If electrical or metallic accessories are added to the vehicle, the compass must be recalibrated.

Adjusting the compass zone

- Switch on the ignition.
- Select the **Settings** menu followed by the **Compass** and **Zone** menu items.
- Select the compass zone according to the current location ⇒ fig. 13.
- Adjust and confirm compass zone (**1-15**) by using the arrow buttons.

Calibrating the compass

In order to calibrate the compass, you need a valid compass zone for the location and enough room to drive in a circle.

- Switch on the ignition.
- Select the **Settings** menu followed by the **Compass** and **Calibrate** menu items.
- Confirm the **Please drive a full circle to calibrate** message by pressing the OK button on the multi-function steering wheel, and then drive in a complete circle at about 6 mph (10 km/h).

During calibration, **CAL** is shown in the instrument cluster display. The calibration is complete when the compass direction is displayed.

Service reminder display

Please first read and note the introductory information and heed the WARNINGS ⚠

The service appointment reminder is shown in the instrument cluster display ⇒ fig. 10 (3), ⇒ fig. 11 (3).

For information on maintenance intervals, please see the ⇒ Booklet *Warranty and Maintenance*.

For vehicles with **time- or distance driven-dependent service**, only fixed service intervals are displayed.

Service reminder

If service is due in the near future, a **service reminder** is displayed when the ignition is switched on. The message **Service in --- mi or --- days** (**Service in --- km or --- days**) is shown in the instrument cluster display.

Service event

When **service is due**, a warning chime sounds when the ignition is switched on, and a flashing wrench symbol d is displayed for several seconds. The message **Service now** is shown in the instrument cluster display.

Viewing service message

The current **service message** can be accessed when the ignition is switched on, the engine is switched off, and the vehicle is stopped:

- Select the **Settings** menu.
- In the **Service** submenu, select the **Info** menu item.

Service since --- mi or --- days (**Service since --- km or --- days**) is shown in the instrument cluster display when service is overdue.

Resetting the service reminder display

If the service was not performed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility, the service reminder can be reset as follows:

Select the **Settings** menu.

In the **`Service`** submenu, select the **`Reset`** menu item.
Confirm request with the OK button on the multi-function steering wheel.

Do **not** reset the service reminder between service intervals; otherwise, incorrect information will be displayed.

The service reminder disappears after a few seconds when the engine is running or after the OK button on the multi-function steering wheel has been pushed.

Volkswagen Information System

Introduction

In this section you'll find information about:

Menu structure – overview

Using the instrument cluster menus

Main menu

`MFI` menu (Multi-Function Indicator)

`Settings` menu

`Convenience` submenu

`Lights & Vision` submenu

When the ignition is switched on, you can display different types of information in the instrument cluster and control certain vehicle features.

The control buttons are on the right side of the multi-function steering wheel.

The number of menus in the instrument cluster display depends on the electronics and equipment on the vehicle.

An authorized Volkswagen dealer or an authorized Volkswagen Service Facility may be able to add or modify functions depending on your vehicle's equipment.

Some menu items can only be accessed when the vehicle is not moving.

As long as a priority 1 warning message is displayed, no menus can be accessed. In order to display menus, acknowledge the warning by pressing the OK button on the multi-function steering wheel ⇒ fig. 14.

More information:

- Outside mirrors
- Driver assistance systems
- Radio or Navigation system ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*
- Mobile phone package ⇒ Booklet *Mobile Phone Package*

WARNING

Driving on today's roads demands the full attention of the driver at all times. Driver distraction causes accidents, collisions and serious personal injury!

- **Never access menus when the vehicle is moving.**

Emergency starting and starting the engine with a very weak vehicle battery or after the vehicle battery has been replaced may change or delete system settings (including time, date, personal convenience settings, and programming). Check the settings and correct as necessary once the vehicle battery has built up a sufficient charge.

Menu structure – overview

Please first read and note the introductory information and heed the WARNINGS

The instrument cluster display is divided into 3 parts. The time (digital clock) is displayed in the top part. The bottom part contains the odometer and the trip odometer ("trip"). You can select the following displays for the middle part:

Multi-Function Indicator (MFI)

- Travel time
- Consumption --.- mpg (l/100 km) (current fuel consumption)
- Av. consumption --.- mpg (l/100 km) (average fuel consumption)
- Range
- Route
- Average speed --- mph (km/h)
- xx mph (km/h) (digital speed display)
- Speed warning --- mph (km/h)

Audio ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*

Navigation ⇒ Booklet *Navigation system*

Phone ⇒ Booklet *Mobile Phone Package*

Assistants (if equipped)

- AFS

Vehicle status

Settings

- Language
- MFI data
  - Travel time
  - Curr. consum. (current fuel consumption)
  - Av. consum. (average fuel consumption)
  - Route
  - Av. speed
  - Digit. speed (digital speed display)
  - Speed warn. (speed warning)
  - Back
- Compass (vehicles without navigation system)
- Convenience
  - ATA confirm
  - Central locking
    Auto unlock
    Unlock doors
    Back
  - Window op. (window operation)
    Off
    All
    Driver
    Back
  - Mirror adjust
    Individually
    Both mirrors
  - Factory setting
  - Back

- Lights & Vision
  - Conv. turn sig. (convenience turn signal)
  - Factory setting
  - Back
- Time
  - Hours
  - Minutes
  - 24 hr. mode
  - Daylight save
  - Back
- Snow tires (winter tires)
  - On
  - + 5 mph (10 km/h)
  - - 5 mph (10 km/h)
  - Back
- Units
  - Temperature
  - Consump./dist.
  - Back
- Alt. speed dis. (alternative speed display On / Off)
- Service
  - Info
  - Reset
  - Back
- Factory setting

Using the instrument cluster menus

Fig. 14 Right side of the multi-function steering wheel: Controls for menus in the instrument cluster.

Please first read and note the introductory information and heed the WARNINGS

The instrument cluster menus are controlled with buttons on the right side of the steering wheel ⇒ fig. 14.

Accessing the instrument cluster menus

- Switch on the ignition. You will see the vehicle icon or a message in the instrument cluster display.

- Push the OK button () on the right side of the multi-function steering wheel until a main menu appears in the instrument cluster display. For a list of main menus,
- Push buttons ⚙ or ⚙ to move to another main menu, and push the arrow up and down buttons △ and ▽to navigate inside the current main menu. For example, in the **Settings** main menu, press the arrow down button ▽ to navigate to the **MFI data** submenu.

Displaying a submenu

- Press the OK button to display submenu items. For instance, after scrolling to **MFI data** in the **Settings** main menu, press the OK button to display items available under the **MFI data** submenu.

Selecting a setting

- Some menus are used to select settings for certain features. Push the OK button () to select a setting.
- Use the arrow up and down buttons △ and ▽ on the multi-function steering wheel to navigate through the available options.
- The selected menu item is located between the 2 horizontal lines. There is also a triangle (▲) on the right.
- Push the OK button to select the setting.

Returning to the main menu

- *Via menu:* Use the arrow down button ▽ to select **Back** and then press the OK button .
- *For operation with multi-function steering wheel:* Press ⮌

Main menu

Please first read and note the introductory information and heed the WARNINGS ⚠

Main menus	Function	See
MFI	Multi-Function Indicator (MFI) information.	
Audio	Station indicator in radio mode. Track display in CD mode. Track display in media mode.	⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*
Navigation	Information displays on the navigation system (if applicable): When destination guidance is active, turn arrows and proximity bars are shown. The illustration is similar to the symbol display in the navigation system. If destination guidance is inactive, driving direction (compass function) and the current street name are displayed.	⇒ Booklet *Navigation system*
Phone	Information and settings of the mobile phone package.	⇒ Booklet *Mobile Phone Package*
Assistants	Turn the Adaptive Front Lighting System (AFS) on and off (if equipped).	
Vehicle status	Current warning and information messages. This menu item is only displayed when warning or information messages are available. The number of available messages is shown in the display. Example: **1/1** or **2/2**.	

Main menus	Function	See
Settings	Includes the Convenience and Lights & Vision submenus, as well as many settings such as time, speed warning for winter tires, language, and units.	

MFI menu (Multi-Function Indicator)

Please first read and note the introductory information and heed the WARNINGS

The MFI display has 2 automatic memories: **1 – single trip memory** and **2 – total trip memory**. The number of the trip memory is shown at the upper right of the display.

The trip memories are in addition to the trip odometer, which is displayed in the bottom part of the instrument cluster and controlled using the 0.0 / SET button on the right of the instrument panel ⇒fig. 10 (5), ⇒fig. 11 (5).

To display the distance driven on trips 1 and 2, select the **Route** item in the **MFI** menu. Press the OK button ⇒fig. 14 to toggle between Route 1 and Route 2 (trip 1 and trip 2). Push and hold the OK button to manually reset a trip memory to zero.

1	Single trip memory	The memory accumulates and stores information about distance driven and fuel used from the time the ignition was switched on until the time it was switched off. If the ignition stays off for 2 hours or more, stored information is automatically deleted. If the trip is continued within 2 hours after the ignition was switched off, the new values are added.
2	Total trip memory	The memory displays and stores the accumulated driving and fuel consumption data of any number of single trips up to a total driving time of 99 hours and 59 minutes, and up to a total distance of 9,999 miles (9,999 km). If one of the maximum values is exceeded, then the memory is automatically cleared and starts again from 0.

Possible MFI menu displays

The following displays can be accessed in the MFI menu if enabled under **Settings** > **MFI data**. Displays that are not enabled will not appear.

Display	Function
Travel time	Driving time in hours (h) and minutes (min) corresponding to trip memories 1 and 2 (toggle).
Consumption --.- mpg	Current fuel consumption in miles per gallon (l/100 km) while driving. *When units are set to miles*, dashes appear instead of a number when the engine is running and the vehicle is standing still. *When units are set to kilometers*, the display shows liters consumed per hour when the engine is running and the vehicle is standing still.
Consumption --.- l/100 km	
Av. consumption --.- mpg	Average fuel consumption in miles per gallon (l/100 km) on trips per trip memories 1 and 2 (toggle) is displayed once the vehicle has been driven about 330 feet (100 m). Until then, dashes appear instead of a number. The value displayed is updated every 5 seconds.
Av. consumption --.- l/100 km	
Range ⅰ -- mi	Estimated distance in miles (km) that the vehicle can go with the fuel left

Display	Function
`Range ı -- km`	in the tank the way you are currently driving. Takes account of the current fuel consumption, among other things.
`Route -- mi`	Distance driven in miles (km) per trip memories 1 and 2 (toggle).
`Route -- km`	
`Average speed -- mph`	Average speed on trips per trip memories 1 and 2 (toggle). Displayed once the vehicle has been driven about 300 feet (100 m). Until then, dashes may appear instead of a number. The value displayed is updated every 5 seconds.
`Average speed -- km/h`	
`-- mph`	Digital display of current vehicle speed.
`-- km/h`	
`Speed warning --- mph`	When the set speed (from 20–155 mph or 30–250 km/h) is exceeded, an acoustic warning sounds and a visual message may also appear in the instrument cluster display.
`Speed warning --- km/h`	

Switching between the displays

- Use the arrow up and down buttons △and ▽ on the multi-function steering wheel.

Storing speed for the speed warning

- Select the **`Speed warning -- mph`** or **`Speed warning -- km/h`** display.
- Press the OK button to save the current speed and to activate the warning.
- If the speed is not right, press buttons △ or ▽ on the multi-function steering wheel to set a different speed within about 5 seconds. Then press the OK button a second time or just wait a few seconds. The speed is saved and the warning is activated.
- *To deactivate*, toggle to **`--- mph`** or **`--- km/h`** and press the OK button. The set speed is deleted.

Manually erasing trip memory 1 or 2

- Navigate to **`MFI`** > **`Route`**.
- Select the memory to be erased.
- Press the OK button for about 2 seconds.

Enabling and disabling displays

Use the **`Settings`** menu, submenu **`MFI data`** to enable displays you want to be available under the MFI menu in the instrument cluster display. The units in which data is displayed can also be changed 29.

`Settings` menu

Please first read and note the introductory information and heed the WARNINGS ⚠

`Settings` menu	Function
`Language`	Set the language for messages in the display and navigation system.
`MFI data`	Select the features you want to have displayed in the MFI menu in the instrument cluster display

Settings menu	Function
Compass	Calibrating the compass on vehicles without a factory-installed navigation system. To calibrate, follow the instructions in the instrument cluster display
Convenience	Convenience function settings
Lights & Vision	Vehicle lighting settings
Time	Set hours and minutes for the instrument cluster clock and the Radio & Navigation System clock. The time can be displayed in 12 or 24 hour format, and can also be set to daylight savings time.
Snow tires	Set up a visual and acoustic speed warning. Use the feature only when winter tires are installed that have a speed rating less than top vehicle speed.
Units	Set the units in which temperature, fuel consumption, and distances should be displayed (for example, whether to show distance driven in miles or kilometers).
Alt. speed dis.	Activate/deactivate alternative speed display (mph or km/h).
Service	Display service messages or reset service reminder display.
Factory setting	Reset the functions in the **Settings** menu back to the factory settings.

Convenience submenu

Please first read and note the introductory information and heed the WARNINGS

Convenience menu	Function	
ATA confirm	The horn beeps once when the vehicle is locked with the remote control vehicle key if **ATA confirm** is checked.	
Central locking	Auto unlock	You can enable or disable Auto unlock. If Auto unlock is enabled (box checked), it is triggered on vehicles without Keyless Access by taking the key out of the ignition. On Keyless Access vehicles, Auto unlock is triggered by opening the driver door. Auto unlock works only if the vehicle has been automatically locked after reaching a speed of 10 mph (15 km/h). It unlocks the doors that would be unlocked if you pushed the unlock button on the remote control vehicle key once.

Convenience menu	Function	
	Unlock doors	Doors are unlocked as follows depending on the option selected: – **All doors**: Pushing the unlock button on the remote control vehicle key unlocks all doors and the luggage compartment lid. – **Single door**: Pushing the unlock button on the remote control vehicle key unlocks only the driver door. To unlock all doors and the luggage compartment, push the unlock button on the key a second time within about 5 seconds. On vehicles with Keyless Access, touching the sensor surface of the door handle on the side where the valid vehicle key is located unlocks the respective door – **Veh. side**: Pushing the unlock button on the remote control vehicle key unlocks the doors on the driver side of the vehicle. On vehicles with Keyless Access, touching the sensor surface of a door handle on the side where the valid vehicle key is located unlocks the doors on that side of the vehicle.
Window op.	**Off**	*Manual unlocking/locking:* No windows open or close when the key is held in the unlocking or locking position. *Keyless Access:* No windows close when the locking sensor on the door handle is pressed and held (convenience closing)
	All	*Manual unlocking/locking:* All windows open or close when the key is held in the unlocking or locking position. *Keyless Access:* All windows close when the locking sensor on the door handle is pressed and held.
	Driver	*Manual unlocking:* The driver window opens when the key is held in the unlocking position. *Manual locking:* All windows close when the key is held in the locking position. *Keyless Access:* All windows close when the locking sensor on the door handle is pressed and held.
	Back	The display switches back to the **Convenience** menu.
Mirror adjust	**Individually**	Both outside mirrors are adjusted separately.
	Both mirrors	The front passenger outside mirror is adjusted at the same time as the driver outside mirror.
	Back	The display switches back to the **Convenience** menu.
Factory setting	Resets the features in the **Convenience** submenu back to the factory settings.	
Back	The display returns to the **Settings** menu.	

Lights & Vision submenu

Please first read and note the introductory information and heed the WARNINGS

Lights & Vision menu	Function
Conv. turn sig.	Enable/disable lane change flash (convenience turn signal). When the feature is enabled, the turn signal flashes at least 3 times when the turn signal is tapped
Factory setting	Resets the functions in the **Lights & Vision** submenu back to the factory settings.
Back	The display returns to the **Settings** menu.

Driving checklists and warnings

Introduction

In this section you'll find information about:

Getting ready and driving safely
Driving in other countries
Driving through water on road

More information:

- Sitting properly and safely
- Transporting
- Starting, shifting, parking
- Saving fuel and helping the environment
- Consumer information

WARNING

Driving under the influence of alcohol, illegal drugs, narcotics and some medications may cause collisions and other accidents, severe personal injuries and even death.

- **Alcohol, illegal drugs, narcotics and some medications may severely affect perception, reaction times and safe driving, which may result in the loss of vehicle control.**

Getting ready and driving safely

Please first read and note the introductory information and heed the WARNINGS ⚠

Checklist

Observe the following points before and during every drive for your own safety, the safety of all passengers and others ⇒ ⚠:

✓ Check proper function of lights and turn signals.

✓ Check tire pressure and fuel level

✓ Make sure that all windows are clean.

✓ Store items and all luggage safely in the storage compartments, in the luggage compartment and, if necessary, on the roof

✓ Always make sure that nothing keeps the pedals from moving freely.

✓ Make sure that children are properly secured by a restraint system appropriate for their size and weight

✓ Properly adjust front seats, all head restraints and mirrors to the correct height

✓ Wear shoes that give your feet a good grip, and that give you a feel for the pedals.

✓ Make sure that the floormat on the driver side is properly fastened and cannot interfere with the pedals.

✓ Assume a proper seating position before the vehicle starts to move and keep this position while driving. Make sure that all passengers do the same

- ✓ Properly fasten your safety belt before driving the vehicle and wear your safety belt properly at all times while driving. Make sure that all passengers do the same
- ✓ Only transport as many passengers as there are seats and safety belts available.
- ✓ Never drive if your driving ability has been impaired, for example by medication, alcohol or illegal drugs.
- ✓ Never let passengers or phone calls distract you while driving, and never take your attention off the road while using vehicle software or adjusting vehicle equipment or accessories.
- ✓ Always adapt your speed and driving style to visibility, weather, road, and traffic conditions.
- ✓ Always obey traffic laws and speed limits.
- ✓ On long trips make frequent rest stops – at least once every 2 hours.
- ✓ Secure animals in the vehicle with a system that corresponds to weight and size.

WARNING

Always observe traffic rules and posted speed limits and use common sense. Your good judgment can mean the difference between arriving safely at your destination and being seriously injured in a crash or other kind of accident.

Regular service and maintenance of your vehicle is important both for operational and driving safety and to help prolong your vehicle's service life. Always follow the scheduled maintenance intervals in the ⇒ Booklet *Warranty and Maintenance*, especially for changing the brake fluid. Hard use, frequent stop-and-go driving, driving in very dusty areas, trailer towing, and other factors may make it necessary to have the vehicle serviced more frequently. Ask an authorized Volkswagen dealer or an authorized Volkswagen Service Facility for more information.

Driving in other countries

Please first read and note the introductory information and heed the WARNINGS

Checklist

Some countries have special safety standards and emissions requirements that your vehicle may not meet. Before taking your vehicle to another country, Volkswagen therefore recommends that you ask your authorized Volkswagen dealer or authorized Volkswagen Service Facility about the following issues with regard to the country to which you would like to travel:

- ✓ Should the vehicle be technically prepared for the trip abroad, such as masking or adjusting headlights?
- ✓ Are maintenance, repair facilities, necessary tools and testing equipment as well as spare parts readily available for your vehicle?
- ✓ Are there authorized Volkswagen dealers and authorized Volkswagen Service Facilities in the countries where you will be driving?
- ✓ For gasoline engines: Is unleaded fuel with the right octane rating readily available?
- ✓ Are engine oil (⇒ page 234) and other operating fluids that meet Volkswagen quality and performance requirements available where you will be driving? For more information, please see ⇒ Booklet *Warranty and Maintenance*.
- ✓ Does the factory-installed navigation system work in the countries where you will be driving, and is navigation data available?
- ✓ Are special or heavy-duty tires necessary for the kind of driving expected?

NOTICE

Volkswagen is not responsible for mechanical damage that may result from substandard fuel or service or the unavailability of Genuine Volkswagen parts.

Driving through water on roads

Please first read and note the introductory information and heed the WARNINGS

Note the following to help prevent vehicle damage when driving through water, for example on flooded roads:

- Check the depth of the water before driving through it. The water **must not be any higher than** the bottom of the vehicle body ⇒.
- Do not drive faster than walking speed.
- Never stop the vehicle, and do not drive in reverse or switch the engine off when driving through water.
- Oncoming vehicles may create waves that raise the water level and make it too deep for your vehicle to drive through safely.

WARNING

After driving through water, mud, sludge, etc., the brakes react slower and need longer stopping distances.

- **Always dry the brakes and clean off any ice coatings with a few careful applications of the brake. Make sure not to endanger other motorists or cyclists or disobey legal requirements.**
- **Avoid abrupt or sudden braking maneuvers immediately after driving through water.**

NOTICE

- **Vehicle components such as the engine, transmission, suspension or electrical system may be severely damaged by driving through water.**
- **Never drive through salt water. Salt causes vehicle corrosion. Thoroughly rinse with fresh water all vehicle parts that were exposed to salt water.**

Technical data

Introduction

In this section you'll find information about:

Important vehicle labels
Engine data
Dimensions

Your vehicle's engine type is shown on the vehicle identification label.

The specifications in this Manual refer to the base model. The stated values may vary, depending upon different equipment or models, as well as with respect to special vehicles and vehicles exported to different countries.

More information:

- Transporting
- Saving fuel and helping the environment
- Fuel
- Engine oil
- Engine coolant
- Tires and wheels
- Consumer information

WARNING

Disregarding or exceeding stated values for weights, loads, dimensions and maximum speed may result in accidents and serious personal injuries.

Important vehicle labels

Fig. 15 Vehicle identification label: shown in the example with engine identification code CBFA 3.

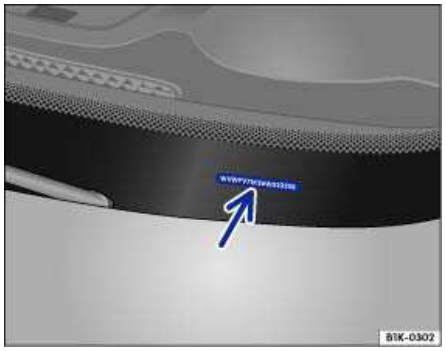

Fig. 16 Vehicle identification number (VIN).

Please first read and note the introductory information and heed the WARNINGS

Vehicle identification number

The vehicle identification number is on a plate on top of the instrument panel on the driver side, and is visible from the outside through the windshield ⇒ fig. 16. The view window is on the side at the bottom of the windshield. The vehicle identification number is also stamped into the top of the right drip channel in the engine compartment. The drip channel is between the spring strut tower and the right fender. Open the engine hood to read the vehicle identification number

Vehicle identification label

The vehicle identification label ⇒ fig. 15 is affixed to the area of the spare wheel well in the luggage compartment and contains the following information:

(1) Vehicle identification number (VIN)

(2) Vehicle type, engine output, transmission

(3) Engine and transmission classification code, paint number, interior. In the example, the engine classification code is “CBFA” .

(4) Optional equipment, part numbers

Other important vehicle labels

Other important vehicle labels are discussed elsewhere in this Manual:

- **Safety Compliance Certification Label,** affixed to the driver door jamb (*Consumer information*).
- **Radiator fan and high voltage warning sticker** in the engine compartment next to the engine hood release (see, *Consumer information*).
- **Tire inflation pressure label** on the driver door jamb (*Tires and wheels*).

Engine data

Please first read and note the introductory information and heed the WARNINGS

Gasoline engines

Maximum power output (SAE net)	Injection technology	Engine ID code	Maximum torque	No. of cylinders Displacement
200 hp at 5100 – 6000 rpm (147 kW at 5100 – 6000 rpm)	TSI®	CBFA, CCTA 2.0T	207 lb-ft at 1700 – 5000 rpm (280 Nm at 1700 - 5000 rpm)	4 cylinders 121 CID 1984 ccm

Dimensions

Please first read and note the introductory information and heed the WARNINGS

Length	182.2–186.8 in. (4628–4744 mm)
Width	about 70.0 in. (1778 mm)
Height (unloaded)	56.6–57.9 in. (1438–1473 mm)
Wheelbase	104.4 in. (2651 mm)
Minimum turning circle diameter (wall to wall)[3]	about 36.4 ft (about 11.1 m)
Track[3], front	60.1–60.7 in. (1527–1541 mm)
Track[3], rear	59.9–60.6 in. (1523–1538 mm)
Ground clearance (unloaded)	about 3.7–5.5 in. (about 94–139 mm)[4]

NOTICE

- **Please be careful when parking your vehicle in areas with parking barriers or curbs. These vary in height and could damage your bumper and related parts if the front of your vehicle hits a barrier or curb that is too high while you are getting into or out of a parking spot.**
- **Always be careful when you enter a driveway or drive up or down steep ramps or over curbs or other obstacles. Parts of the vehicle close to the ground may be damaged (such as bumper covers, spoilers, and parts of the engine, suspension, and exhaust systems).**

---

[3] Slight differences to these figures are possible, depending on wheel and tire size fitted and the level selected.

[4] Varies depending on your vehicle's equipment (engine, tires, wheels, tire inflation pressure, driving situation and other factors).

Vehicle key set

Introduction

In this section you'll find information about:

Remote control vehicle keys
Indicator light in the remote control vehicle key
Replacing the remote control vehicle key battery
Synchronizing the remote control vehicle key

More information:

- Volkswagen Information System
- Power locking and closing system
- Starting and stopping the engine
- Consumer information
- Emergency closing and opening

WARNING

Improper use of vehicle keys can result in serious personal injury.

- **Always take the key with you when you leave the vehicle. It can be used to start the engine and operate vehicle systems such as the power windows, leading to serious personal injury. Children or other unauthorized persons could also lock the doors and the luggage compartment.**
- **Never leave children, disabled persons, or anyone who cannot help themselves in the vehicle. The doors can be locked with the remote control vehicle key. This could leave people trapped in the vehicle in an emergency. Depending on the time of year, people trapped in the vehicle can be exposed to very high or very low temperatures.**
- **A closed vehicle can become very hot or very cold, depending on the season. Particularly in the summer, heat build-up in the passenger and luggage compartment of a parked vehicle can result in temperatures in the vehicle that are much higher than the outside temperatures. Temperatures can quickly reach levels that can cause unconsciousness and death, particularly to small children.**
- **Never remove the key from the ignition switch while the vehicle is moving or rolling to a stop. The steering wheel will lock and you will not be able to steer or control the vehicle.**

Remote control vehicle keys

Fig. 17 Remote control vehicle key with panic button.

Please first read and note the introductory information and heed the WARNINGS ⚠

Remote control vehicle key

The remote control vehicle key can unlock and lock the vehicle from a distance

The remote transmitter and battery are inside the remote control vehicle key. The receiver is inside the passenger compartment. The operating range of the remote control vehicle key for a fresh battery is several yards (meters) around the vehicle.

If the remote control vehicle key will not lock or unlock your vehicle, you probably need to replace the battery in the remote control vehicle key, *Replacing the remote control vehicle key battery*. If this is not the problem, the key should be resynchronized by an authorized Volkswagen dealer, an authorized Volkswagen Service Facility, or another qualified workshop. See also, *Synchronizing the remote control vehicle key*.

Folding the key bit in or out

Pressing button ⇒ fig. 17 (1) releases the key bit and folds it out.

To *fold the key bit in* press button (1) while pressing the key bit back until it clicks.

Panic button

Press the panic button (2) only in emergencies! After pushing the panic button, the horn will sound and the turn signals will flash. Press the panic button again to switch off the panic feature.

Replacement vehicle keys

The vehicle identification number is required to get a replacement key or an additional remote control vehicle key.

Up to 8 vehicle keys, each of which must be properly cut, coded, programmed, and synchronized, can be used with your vehicle.

Each new vehicle key contains a microchip and must be coded with the data from the vehicle's electronic immobilizer. A vehicle key will not work if it does not contain a microchip or contains a chip that is not coded, even if the key bit was cut correctly.

You can obtain additional or duplicate remote control vehicle keys from authorized Volkswagen dealers, authorized Volkswagen Service Facilities, and from certain independent repair facilities and locksmiths which are qualified to make remote control vehicle keys.

Each vehicle key must be programmed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility in order for it to work with your vehicle.

To find the nearest qualified independent repair facility, locksmith, or Volkswagen dealer which can cut and code replacement vehicle keys, call the VW Customer Care Hotline at 1-800-822-8987 or visit http://www.vw.com and search for “replacement keys.”

Canadian customers can contact an authorized Volkswagen dealer or Volkswagen Service Facility or call the Volkswagen Canada Customer CARE Center at 1-800-822-8987.

NOTICE

The remote control vehicle keys contain electrical components. Protect them from damage, moisture and rough handling.

Do not press the buttons on the remote control vehicle key unless you actually want to use the function in question. Since terrain and conditions vary, pressing a button on the remote control vehicle key when it is not necessary may unlock the vehicle or set off the panic alarm, even if you think you are out of range.

Remote control vehicle key functions can be temporarily disrupted by interference from transmitters near the vehicle that use the same frequency range (such as radio equipment or cellular phones).

Things between the remote control vehicle key and vehicle, bad weather, as well as a weak battery can reduce the operating range.

If the remote control vehicle key buttons or the power locking buttons are pushed repeatedly in quick succession, the power locking system is switched off for a brief period to help keep it from being overloaded. The vehicle is then unlocked for about 30 seconds. Unless a door or the luggage compartment lid is opened in this span of time, the vehicle is automatically locked afterwards.

Indicator light in the remote control vehicle key

Fig. 18 Indicator light in the remote control vehicle key.

Please first read and note the introductory information and heed the WARNINGS

If a button in the remote control vehicle key is pressed briefly, the indicator light ⇒ fig. 18 (arrow) will flash once briefly. If you push and hold a button, it flashes repeatedly.

If the indicator light in the remote control vehicle key does not come on when the button is pressed, the battery inside the key must be replaced

A Declaration of Compliance with United States FCC and Industry Canada regulations is found in the Consumer information section of this Manual

Replacing the remote control vehicle key battery

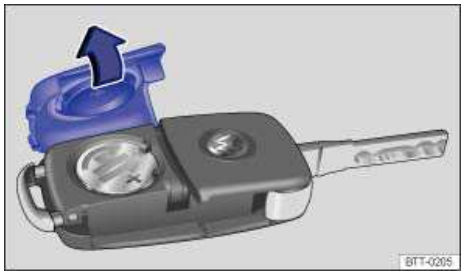

Fig. 19 Remote control vehicle key: Open battery compartment cover.

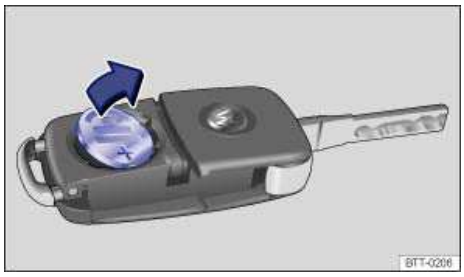

Fig. 20 Remote control vehicle key: Remove old battery.

Please first read and note the introductory information and heed the WARNINGS ⚠

Volkswagen recommends having the battery in the remote control vehicle key changed by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

The battery is on the back of the remote control vehicle key under a cover ⇒ fig. 19.

When changing the battery, pay attention to the correct polarity and use the same type of battery ⇒ ⓘ.

Replacing the battery

- Unfold the key bit on the remote control vehicle key
- Remove the cover on the back of the remote control vehicle key in the direction of the arrow ⇒ ⓘ.
- Use a thin object to pry the battery out of the battery compartment ⇒ fig. 20.
- Position the new battery in as shown and press it into the battery compartment (opposite to direction of the arrow) ⇒ ⓘ.
- Position the cover as shown and press it down (opposite to direction of the arrow) until you hear it click into place.

ⓘ NOTICE

- **Changing the battery improperly can damage the remote control vehicle key.**
- **Using the wrong battery can damage the remote control vehicle key. Replace a dead battery with a new one that has the same voltage, size, and specifications.**

- **Make sure the plus and minus poles of the battery are correctly positioned.**

Dispose of old batteries in an environmentally responsible manner and keep them out of the reach of children.

Batteries of the type used in your remote control vehicle key may contain **Perchlorate Material**. Special handling may apply – see http://www.dtsc.ca.gov/hazardouswaste/perchlorate. Obey all legal requirements regarding handling and disposal of these batteries. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are familiar with the requirements, and we recommend that you have them perform this service for you.

Synchronizing the remote control vehicle key

Please first read and note the introductory information and heed the WARNINGS

If the button is pressed often while outside the operating range, it is possible that the vehicle cannot be locked or unlocked anymore with the remote control vehicle key. Synchronize the vehicle key as follows:

- Unfold the key bit on the remote control vehicle key
- Remove the cap from the door handle on the driver door
- Press the button on the remote control vehicle key. Stand immediately next to vehicle while doing so.
- Manually unlock the vehicle using the key bit within 1 minute. The synchronization is complete.
- Reinstall the cap.

Doors

Introduction

In this section you'll find information about:

Warning light
Child safety lock

More information:

- Exterior views
- Vehicle key set
- Power locking and closing system
- Power windows
- Emergency closing and opening

WARNING

A door that is not closed properly may open suddenly when the vehicle is moving and cause severe injuries.

- **Stop immediately and close the door.**
- **Make sure that the door is safely and completely latched when closed. The closed door must be flush with the surrounding auto body parts.**
- **Open or close doors only if no one is in the way.**

WARNING

A door kept open with the door stop may close in strong winds or on inclines and cause injuries.

- **Always hold doors by the door handle while opening and closing.**

Child safety lock

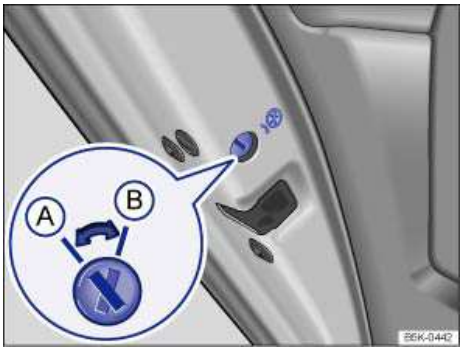

Fig. 26 In the left rear door: Child safety lock A deactivated, B activated.

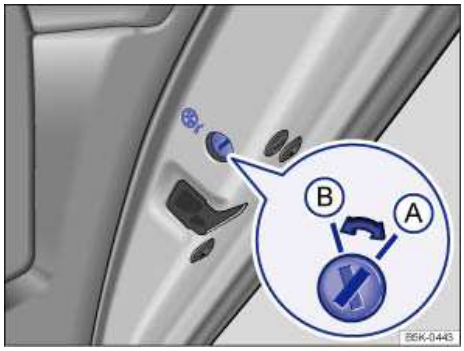

Fig. 27 In the right rear door: Child safety lock A deactivated, B activated.

Please first read and note the introductory information and heed the WARNINGS ⚠

The child safety lock keeps the rear doors from being opened from the inside, so that children cannot open them accidentally. When the child safety lock is engaged, the rear doors can only be opened from the outside.

Engaging or disengaging child safety lock

- Unlock the vehicle and open the respective rear door.
- Unfold the key bit from the remote control vehicle key.
- Using the key bit, move the slot into the desired position.

Slot position ⇒ fig. 26 or ⇒ fig. 27:

(A) Child safety lock disengaged.

(B) Child safety lock engaged.

⚠ WARNING

When the child safety lock is engaged, that rear door cannot be opened from the inside.

- **Never leave children, disabled persons, or anyone who cannot help themselves, in the vehicle when locking the doors. This could result in people being locked in the vehicle. This could result in people being trapped in the vehicle in an emergency. Depending on the time of year, people trapped in the vehicle can be exposed to very high or very low temperatures.**
- **A closed vehicle can become very hot or very cold, depending on the season. Particularly in the summer, heat build-up in the passenger and luggage compartment of a parked vehicle can result in temperatures in the vehicle that are much higher than the outside temperatures. Temperatures can quickly reach levels that can cause unconsciousness and death, particularly to small children.**

Luggage compartment lid

Introduction

In this section you'll find information about:

Warning light

Opening the luggage compartment lid

Closing the luggage compartment lid

More information:

- Exterior views
- Power locking system
- Transporting
- Emergency closing and opening

WARNING

Accidents and severe personal injuries can result if you unlock, open, or close the luggage compartment lid when someone is in the way.

- **Only open or close the luggage compartment lid if no one is in the way.**
- **After closing the luggage compartment lid, always make sure that it is properly closed and locked so that it cannot open suddenly when the vehicle is moving. The closed luggage compartment lid must be flush with the surrounding auto body parts.**
- **Always keep the luggage compartment lid closed while driving to help keep poisonous exhaust gas from being drawn into the vehicle.**
- **Never open the luggage compartment lid when a luggage rack is installed and loaded. If, for example, there are bicycles on a carrier on the luggage compartment lid, it is possible that the lid will not be able to open automatically. An open luggage compartment lid may fall on its own because of the additional weight. If necessary, prop open luggage compartment lid. Remove the weight from the luggage rack first.**
- **Close and lock the luggage compartment lid and all doors when the vehicle is not in use. First, make sure that no one is left inside the vehicle.**
- **Never leave your vehicle unattended or let children play around your vehicle, especially when the luggage compartment lid is open. A child could crawl into the vehicle and pull the luggage compartment lid shut, becoming trapped and unable to get out. A closed vehicle can become very hot or very cold, depending on the season. Particularly in the summer, heat build-up in the passenger and luggage compartment of a parked vehicle can result in temperatures in the vehicle that are much higher than the outside temperatures. Temperatures can quickly reach levels that can cause unconsciousness and death, particularly to small children.**
- **Never leave children or anyone who cannot help themselves behind in the vehicle. They may lock the vehicle with the vehicle key or the power locking button and lock themselves in.**

NOTICE

Before opening or closing the luggage compartment lid, make sure there is enough room to do so, for example when the vehicle has a trailer or is in a garage.

Warning light

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
OR icon appears in the display	Luggage compartment lid open or improperly closed.	**Stop!** Open the luggage compartment lid and then close it again.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

If the luggage compartment lid is not closed properly, the red warning light comes on in the instrument cluster or the vehicle icon appears in the instrument cluster display showing an open luggage compartment lid.

Depending on your vehicle's equipment and options, the red warning light or icon may still be displayed even after the ignition is switched off as long as the key has not been taken out of the ignition. The icon in the instrument cluster display goes out about 15 seconds after the vehicle has been locked.

WARNING

If the luggage compartment lid is not closed properly, it may open suddenly when the vehicle is moving and cause severe injuries.

- **Stop immediately and close the luggage compartment lid.**
- **Always make sure the luggage compartment lid is securely latched after you close it.**

Opening the luggage compartment lid

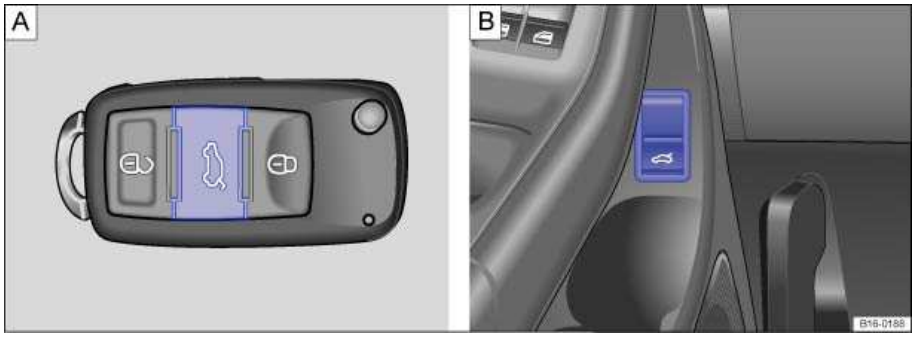

Fig. 28 A: Button to unlock and open the luggage compartment lid in the remote control vehicle key. B: Button to unlock and open the luggage compartment lid in the driver door.

Fig. 29 Opening luggage compartment lid from the outside.

Please first read and note the introductory information and heed the WARNINGS ⚠

Always remove any item(s) being transported on the luggage compartment lid before opening it ⇒ ⚠.

Unlocking with the vehicle key

- Briefly press the button on the remote control vehicle key ⇒ fig. 28 **A** to *unlock* the luggage compartment lid.
- Press and hold the button on the remote control vehicle key to *unlatch and automatically open* the luggage compartment lid.

Unlocking and opening with the unlock switch on the driver door

Pull up the switch on the driver door **B** until the luggage compartment lid opens automatically.

The switch in the driver door also works when the ignition is switched off.

Opening with the button on the luggage compartment lid

- Unlock the vehicle or the luggage compartment lid, or open a door.
- Lift the luggage compartment lid slightly at the button ⇒ fig. 29 (arrow). The luggage compartment lid opens automatically.

⚠ WARNING

Improper or unsupervised unlocking or opening of the luggage compartment lid can cause severe injuries. Never open the luggage compartment lid when someone is in the way.

- **If a bicycle or luggage rack is installed on the luggage compartment lid, it may be hard to see that the luggage compartment lid is unlatched. An unlatched luggage compartment lid may open suddenly when the vehicle is moving.**

ⓘ At temperatures below +32 °F (0 °C), the luggage compartment lid may not open automatically after you unlock it. It will be necessary to lift it by hand.

Closing the luggage compartment lid

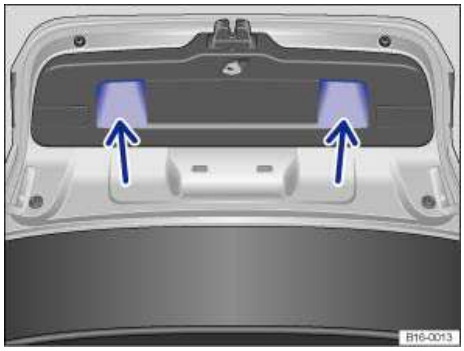

Fig. 30 Opened luggage compartment lid: Recessed grips for closing.

Please first read and note the introductory information and heed the WARNINGS ⚠ .

Closing the luggage compartment lid

- Grasp one of the recessed grips in the trim of the luggage compartment lid ⇒ fig. 30 (arrows).
- Pull the luggage compartment lid down and close it securely so that the latch engages.
- Check the luggage compartment lid to make sure it is securely latched.

Locking the luggage compartment lid

If you unlock the vehicle with the vehicle key, but do not open either a door or the luggage compartment lid in about the next 30 seconds, the vehicle is automatically locked again. This feature helps prevent you from leaving the vehicle unlocked unintentionally.

It is only possible to lock the luggage compartment lid when it is securely closed and latched.

- The power locking system also locks the luggage compartment lid.
- If the luggage compartment lid of a locked vehicle is unlocked with the button ⇒ fig. 28 **A** on the remote control vehicle key, it will lock again right after it is closed.
- A closed but unlocked luggage compartment lid automatically locks at speeds above about 5 mph (10 km/h).

⚠ WARNING

Improper or unsupervised closing of the luggage compartment lid can cause severe injuries. Never close the lid when someone is in the way.

- **Never leave your vehicle unattended or let children play around your vehicle, especially with the luggage compartment lid left open. A child could crawl into the vehicle and pull the luggage compartment lid shut, becoming trapped and unable to get out. A closed vehicle can become very hot or very cold depending on the season. Temperatures can quickly reach levels that can cause unconsciousness or death, particularly to small children.**

ⓘ Make sure that the remote control vehicle key is not in the luggage compartment before closing the luggage compartment lid.

Power windows

Introduction

In this section you'll find information about:

Opening and closing power windows
Power windows – features
Power window pinch protection

More information:

- Volkswagen Information System
- Power locking and closing system

WARNING

Improper use of power windows can result in serious personal injury.

- **Never let anyone get in the way of a power window when closing it.**
- **When locking the vehicle from the outside, make sure that no one, especially children, remains in the vehicle. The windows will not open in case of an emergency.**
- **Always take the key with you when you leave the vehicle. You can still use the power windows for several minutes after the ignition is switched off as long as the driver or front passenger door has not been opened.**
- **Always use the safety switch when children are in the back seat to disable the rear power windows and keep them from being opened and closed.**

NOTICE

If you leave the windows open, rain or other precipitation may enter the vehicle from outside and can damage the vehicle interior.

Opening and closing power windows

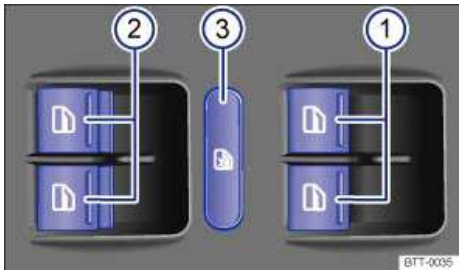

Fig. 31 In the driver door: Switches for front and rear power windows.

Please first read and note the introductory information and heed the WARNINGS

Switches in the driver door

Key to ⇒ fig. 31:

(1) For the windows in the front doors.
(2) For the windows in the rear doors.
(3) Safety switch.

Opening or closing windows

Function	Action
Opening:	Press the switch.
Closing:	Pull the switch.
Stopping automatic movement:	Press/pull the switch again.
	The safety switch (3) deactivates the power windows in the rear doors. The yellow indicator light in the switch comes on.

You can still use the power windows for several minutes after the ignition is switched off as long as the driver or front passenger door has not been opened. When the vehicle key has been removed from the ignition and the driver door has been opened, the power windows cannot be opened or closed.

A separate button for controlling the window is located in the front passenger door.

Power windows – features

Please first read and note the introductory information and heed the WARNINGS

One-touch opening and closing

The one-touch feature automatically opens/closes a power window all the way. The window switch does not have to be held down/up.

For one-touch opening: Press the switch for the window down briefly as far as it goes.

For one-touch closing: Pull the switch for the window up briefly as far as it goes.

Stopping automatic movement: Pull/press the switch again.

Reactivating the one-touch feature

If the vehicle battery is disconnected or dead and the windows are not completely closed, the one-touch feature will not work and must be reactivated:

- Switch on the ignition.
- Close all windows and doors.
- Pull up the switch for the respective window and hold it for at least 2 seconds in this position.
- Release the switch, pull up and hold again. The one-touch feature is now reactivated.

The one-touch feature can be reactivated for one or more windows at the same time.

Convenience closing

The convenience closing feature lets you close the windows and the power sunroof from outside the vehicle as follows:

- Manual locking: lock the vehicle with the vehicle key bit in the driver door and keep the key turned in the locking position to close all windows and the power sunroof
- Vehicles with Keyless Access: hold your finger on the lock sensor surface on the outside of the door handle for a few seconds until the windows and power sunroof close

Convenience closing first closes the windows and then the power sunroof.

WARNING

Improper use of power windows can result in serious personal injury.

- **Never let anyone get in the way of a power window when closing it.**
- **When locking the vehicle from the outside, make sure that no one, especially children, remains in the vehicle. The windows will not open in case of an emergency.**
- **Always take the key with you when you leave the vehicle. You can still use the power windows for several minutes after the ignition is switched off as long as the driver or front passenger door has not been opened.**
- **Always use the safety switch when children are in the back seat to disable the rear power windows and keep them from being opened and closed.**

If the power windows malfunction, the one-touch feature, as well as pinch protection may not work properly. See an authorized Volkswagen dealer or authorized Volkswagen Service Facility right away.

If convenience closing of the power windows from the outside requires removing the cover cap of the lock cylinder on the driver door, the cover cap must be reinstalled after the vehicle is locked 284.

Power sunroof

Introduction

In this section you'll find information about:

Opening and closing the power sunroof
Power sunroof – convenience closing feature
Pinch protection for the power sunroof
Initializing the power sunroof

More information:

- Volkswagen Information System
- Power locking and closing system
- Emergency closing and opening

WARNING

Improper use of the power sunroof can result in serious personal injury.

- **Always make sure that no one is in the way of the power sunroof when it is closing.**
- **Always take the key with you when you leave the vehicle.**
- **Never leave children or disabled persons in the vehicle – particularly if they have access to the vehicle key. Unsupervised use of the remote control vehicle key makes it possible to lock the vehicle, start the engine, turn on the ignition and operate the sunroof.**
- **You can still open or close the power sunroof for several minutes after you switch off the ignition, as long as the driver or front passenger door has not been opened.**

NOTICE

- **To help prevent damage, remove ice and snow from the sunroof before opening or tilting it in winter weather.**
- **Always close the sunroof before leaving the vehicle or if it begins raining. If the sunroof is open or tilted, rain could enter the vehicle interior and cause extensive damage to the electrical system. This could result in further vehicle damage.**

Remove leaves and other objects from the sunroof guiderails regularly either by hand or using a vacuum cleaner.

If the power sunroof malfunctions, pinch protection may not function properly. See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Opening and closing the power sunroof

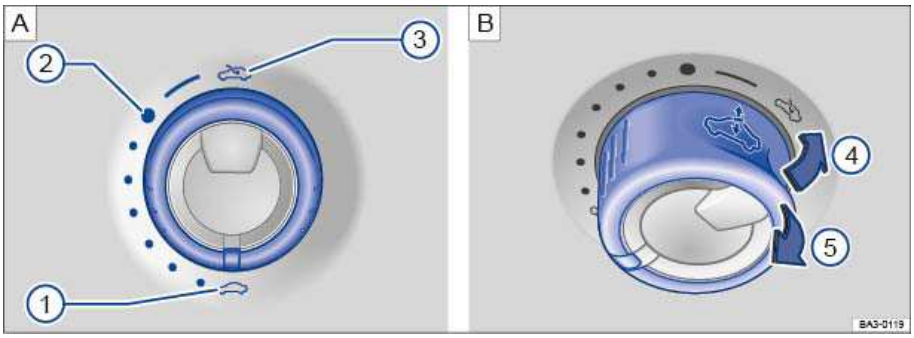

Fig. 32 In the headliner: Rotary switch for the power sunroof. (A) Turn the rotary switch to slide the sunroof open or closed. (B) Press or pull the switch to tilt open or to close.

Please first read and note the introductory information and heed the WARNINGS

The rotary switch must be turned to its home position ⇒ fig. 32 (1) in order to tilt the power sunroof.

Function	Switch position	Action
	A	
To open sliding sunroof fully:	(3)	Turn the switch past position (2) and hold it there until the glass roof moves to the desired position.
To move the sliding sunroof to the comfort position:	(2)	Turn the switch to the desired position.
To set an intermediate position:	(1) to (2)	
To close the sliding sunroof fully:	(1)	
	B	
To tilt open the tilting roof fully:	(4)	Push the rear part of the switch briefly (arrow).
To stop the one-touch feature:	(4) or (5)	Push or pull the switch again briefly.
To set an intermediate position:	(4) to (5)	Pull or push the rear part of the switch briefly until the desired position is reached.
To close fully:	(5)	Pull the rear part of the switch briefly (arrow).

You must switch on the ignition to operate the power sunroof. After switching off the ignition, you can still open or close the power sunroof for several minutes as long as the driver or front passenger door has not been opened.

Sliding headliner

The sliding headliner opens with the power sunroof and can be closed manually when the sunroof is closed.

Power sunroof – convenience closing feature

Please first read and note the introductory information and heed the WARNINGS

Convenience closing

The convenience closing feature lets you close the power sunroof as follows:

- Remove the cover cap from the concealed lock cylinder on the driver door
- Turn the vehicle key bit in the lock of the driver door to the closing position and hold it there. The power sunroof closes. Release the vehicle key to stop the process.
- Vehicles with Keyless Access: hold your finger on the lock sensor surface on the outside of the door handle for a few seconds until the windows and power sunroof close

Convenience closing first closes the windows and then the power sunroof.

Convenience closing of the power sunroof from the outside leaves the rotary switch in the last selected position. The switch must be newly positioned when starting to drive again.

If convenience closing of the power sunroof requires removing the cover cap of the lock cylinder on the driver door, the cover cap must be reinstalled after the vehicle is locked

Initializing the power sunroof

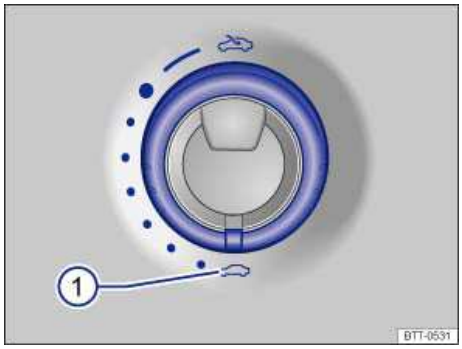

Fig. 33 In the headliner: Sunroof rotary switch.

Please first read and note the introductory information and heed the WARNINGS

Initializing the sunroof

If the vehicle battery has been disconnected or is dead, the sunroof must be initialized.

- The switch must be rotated to the “Closed” position ⇒ fig. 33 (1).
- Pull the switch at the rear until the sunroof is fully closed.
- **The sunroof will now close without pinch protection!**
- Release the switch.
- Pull and hold the switch at the rear. The sunroof will open and close on its own.
- When the sunroof is closed once again, release the switch.

- If the sunroof still will not close, contact an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

WARNING

Careless or unsupervised use of the sunroof can cause serious injuries.

- **Always make sure that no one is in the way of the power sunroof when it is closing.**
- **Always take all vehicle keys with you when leaving the vehicle.**
- **Never leave children or persons requiring assistance unattended in the vehicle, especially if they have access to the vehicle key. Unsupervised use of the remote control vehicle key can lock the vehicle, start the engine, switch on the ignition and operate the sunroof.**
- **The sunroof can still be opened or closed for a short period after the ignition has been switched off, as long as the driver or passenger door is not opened.**

WARNING

Closing the sunroof without pinch protection can cause severe injuries.

- **Always be careful when closing the sunroof.**
- **Always make sure that no one is in the way when overriding pinch protection to close the sunroof.**
- **Pinch protection does not prevent fingers or other body parts from being pressed against the roof frame, thereby causing injury.**

If the power sunroof malfunctions, pinch protection may not function properly. See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

Seat functions

Introduction

In this section you'll find information about:

Seat heating

Seat heating

More information:

- Adjusting the seating position
- Safety belts
- Airbag system
- Child safety and child restraints
- Outside mirrors

WARNING

Improper use of seat adjustment controls can cause severe personal injuries.

- **Always sit properly at all times before starting to drive and while the vehicle is moving. Make sure all passengers, especially children, are properly seated whenever the vehicle is moving.**
- **Keep hands, fingers, feet and other body parts away from moving parts and adjustment areas of the seats.**

Applicable only in the United States

Seat heating

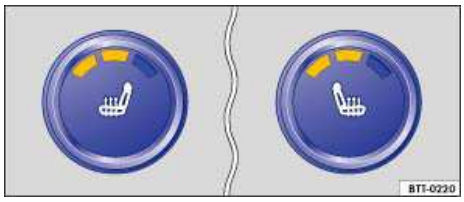

Fig. 44 In the center console: Seat heating buttons for the front seats (Manual AC).

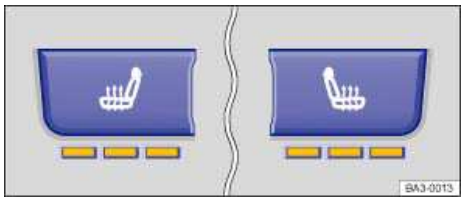

Fig. 45 In the center console: Seat heating buttons for the front seats (Climatronic).

Please first read and note the introductory information and heed the WARNINGS

When the ignition is switched on, the front seats can be electrically heated by heating elements that warm the seat backrest and cushion.

Do not use the seat heating if any of the following conditions apply:

- If the seat is not being used.
- If there is a child restraint installed on the front passenger seat.
- If there is a blanket or seat cover on the front passenger seat.
- If the seat is damp or wet.
- If the outside temperature or the temperature inside the passenger compartment is 77 °F (25 °C) or more.

Function	Action for seat heating ⇒ fig. 44 or ⇒ fig. 45
Switch on:	Press the or button. Seat heating is switched on to maximum.
Adjust the heating level:	Press the or button repeatedly until the desired heating level is set.
Switch off:	Press the or button repeatedly until all indicator lights in the button are off.

Special seat heating features

On the driver and the passenger side, the seat heating will resume at the setting that was set when the ignition was switched off. However, this feature only works if the key is not taken out of the ignition switch, or, for vehicles with Keyless Access, the driver door is not opened or the vehicle is not locked.

People suffering from a low level of perceived pain or a lowered awareness of pain as from medication, paralysis, or chronic illness (e.g. diabetes) should NEVER use the seat heating feature ⇒ ⚠!

The use of seat heating by persons with these conditions could result in burns to the back, buttocks, and legs that may take a long time to heal and may never heal completely. If you have any of these conditions, you should take regular breaks and get out of the vehicle, particularly on long trips. Consult your doctor for advice regarding your specific condition.

⚠ WARNING

Certain medical conditions, such as paralysis and diabetes, and certain medications can increase the risk of serious burns when the seat heating feature is switched on.

- **Vehicle occupants who have a low level of perceived pain or a lowered awareness of pain can receive serious burns to the back, buttocks, and legs that take a long time to heal or may never heal completely.**
- **Never use the seat heating feature if you or your passengers are at risk of being burned because of a medical condition. Take regular breaks and get out of the vehicle, particularly on long trips. Consult your doctor for advice regarding your specific condition.**
- **Never let exposed skin remain in contact with the seat upholstery when the seat heating is being used.**

WARNING

A wet seat can cause the seat heating to malfunction and increase the risk of serious burns.

- **Always make sure the seats are dry before using the seat heating.**
- **Never sit on the seat with wet clothes.**
- **Never put damp or wet things including clothes on the seat.**
- **Never spill liquids on the seats.**

NOTICE

- **To help prevent damage to electrical and other parts in the seat, do not kneel on the front seats or apply concentrated pressure to a small area of the seat or backrest.**
- **Liquids, sharp objects and things that do not let the heat in the seat escape into the air, including, for example, a child restraint, a blanket, or seat covers on the seat can damage seat heating.**
- **If you smell an odor, immediately shut off seat heating and have it checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Never install leather upholstery on a vehicle with seat heating that originally had cloth upholstery. The seat heating elements for seats with cloth seats will overheat if the cloth upholstery is replaced with leather upholstery.**

Switch off seat heating when it is not needed to help reduce unnecessary fuel consumption.

Applicable only in Canada

Seat heating

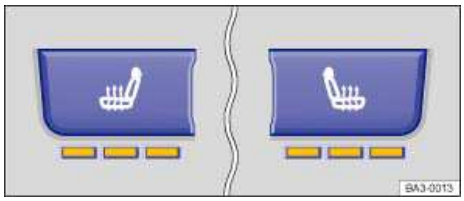

Fig. 46 In the center console: Seat heating buttons for the front seats.

Please first read and note the introductory information and heed the WARNINGS

When the ignition is switched on, the front seats can be electrically heated by heating elements that warm the seat backrest and cushion.

Do not use the seat heating if any of the following conditions apply:

- If the seat is not being used.
- If there is a child restraint installed on the front passenger seat.
- If there is a blanket or seat cover on the front passenger seat.
- If the seat is damp or wet.
- If the outside temperature or the temperature inside the passenger compartment is 77 °F (25 °C) or more.

Function	Action for seat heating ⇒ fig. 46
Switch on:	Press the or button. Seat heating is switched on to maximum.
Adjust the heating level:	Press the or button repeatedly until the desired heating level is set.
Switch off:	Press the or button repeatedly until all indicator lights in the button are off.

Special seat heating features

On the driver and the passenger side, the seat heating will resume at the setting that was set when the ignition was switched off. However, this feature only works if the key is not taken out of the ignition switch, or, for vehicles with Keyless Access, the driver door is not opened or the vehicle is not locked.

People suffering from a low level of perceived pain or a lowered awareness of pain as from medication, paralysis, or chronic illness (e.g. diabetes) should NEVER use the seat heating feature ⇒ !

The use of seat heating by persons with these conditions could result in burns to the back, buttocks, and legs that may take a long time to heal and may never heal completely. If you have any of these conditions, you should take regular breaks and get out of the vehicle, particularly on long trips. Consult your doctor for advice regarding your specific condition.

WARNING

Certain medical conditions, such as paralysis and diabetes, and certain medications can increase the risk of serious burns when the seat heating feature is switched on.

- **Vehicle occupants who have a low level of perceived pain or a lowered awareness of pain can receive serious burns to the back, buttocks, and legs that take a long time to heal or may never heal completely.**
- **Never use the seat heating feature if you or your passengers are at risk of being burned because of a medical condition. Take regular breaks and get out of the vehicle, particularly on long trips. Consult your doctor for advice regarding your specific condition.**
- **Never let exposed skin remain in contact with the seat upholstery when the seat heating is being used.**

WARNING

A wet seat can cause the seat heating to malfunction and increase the risk of serious burns.

- **Always make sure the seats are dry before using the seat heating.**
- **Never sit on the seat with wet clothes.**
- **Never put damp or wet things including clothes on the seat.**
- **Never spill liquids on the seats.**

NOTICE

- **To help prevent damage to electrical and other parts in the seat, do not kneel on the front seats or apply concentrated pressure to a small area of the seat or backrest.**
- **Liquids, sharp objects and things that do not let the heat in the seat escape into the air, including, for example, a child restraint, a blanket, or seat covers on the seat can damage seat heating.**

- **If you smell an odor, immediately shut off seat heating and have it checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Never install leather upholstery on a vehicle with seat heating that originally had cloth upholstery. The seat heating elements for seats with cloth seats will overheat if the cloth upholstery is replaced with leather upholstery.**

Switch off seat heating when it is not needed to help reduce unnecessary fuel consumption.

Safety belts

Introduction

In this section you'll find information about:

Warning light
Frontal collisions and laws of physics
What happens to passengers not wearing a safety belt
Safety belts protect
Using safety belts
Fastening and unfastening safety belts
Safety belt position
Safety belt height adjusters
Safety belt extender
Safety belt retractor, pretensioner, load limiter
Service and disposal of belt pretensioners

Properly worn safety belts are the single most effective means of reducing the risk of serious injury and death in a collision or other accident.

Damage to safety belts reduces their overall effectiveness and increases the risk of serious personal injury and death whenever the vehicle is being used.

Check the condition of all safety belts regularly.

If a safety belt shows damage to webbing, bindings, retractors or buckles, have the safety belt replaced by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility ⇒ ⚠.

More information:

- Adjusting the seating position
- Airbag system
- Child safety and child restraints
- Parts, accessories, repairs and modifications

WARNING

Not wearing a safety belt or wearing an improperly positioned safety belt increases the risk of severe personal injury or death. Safety belts offer optimum protection only when they are used properly.

- **Properly worn safety belts are the single most effective means of reducing the risk of serious injury and death in a collision or other accident. For this reason, always wear your safety belt properly and make sure all passengers wear their safety belts properly as well whenever the vehicle is moving.**
- **The driver must always make sure that every person in the vehicle is properly seated on a seat of his or her own, properly fastens the safety belts belonging to that seat before the vehicle starts to move, and keeps the belts properly fastened while riding in the vehicle. This applies even when just driving around town. Therefore, always wear your safety belts and make sure that everybody in your vehicle is properly restrained.**
- **Always secure children in the vehicle with a restraint system appropriate for their age, weight and height**
- **Always fasten safety belts correctly before driving off and make sure that all passengers are properly restrained.**
- **Never attach the safety belt to the buckle of another seat. Attaching the safety belt to the wrong buckle will reduce safety belt effectiveness and can cause serious personal injury.**
- **Never let any objects or liquids get into the safety belt latch and prevent it from working properly.**
- **Never remove a safety belt while the vehicle is moving. Doing so will increase your risk of being injured or killed.**
- **Never strap more than one person, including small children, into any single safety belt.**
- **Never let children or babies ride sitting on your lap, and never place a safety belt over a child sitting on your lap.**
- **Never wear belts over rigid or breakable objects in or on your clothing, such as eyeglasses, pens, keys, etc., as these may cause injury.**
- **Several layers of heavy clothing (such as a coat worn over top of a sports jacket) may interfere with proper positioning of the safety belt and reduce the overall effectiveness of the system.**
- **Never use comfort clips or devices that create slack in the shoulder belt. However, special clips may be required for the correct use of some child restraint systems.**
- **Safety belts offer optimum protection only when the seat backrest is upright and belts are correctly positioned on the body.**

WARNING

Damage to safety belts reduces their overall effectiveness and increases the risk of serious personal injury and death whenever the vehicle is being used.

- **Never let safety belts become damaged by being caught in the door or seat hardware.**
- **Torn or frayed safety belts can tear, and damaged safety belt hardware can break in an accident.**
- **Inspect belts regularly for damage. If webbing, bindings, buckles, or retractors are damaged, have the belts replaced immediately with the correct replacement belts approved by Volkswagen for your vehicle, model, and model year.**
- **Safety belts that were subject to stress in an accident and stretched must be replaced with a correct, new safety belt, preferably by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Replacement after a crash may be necessary even if a safety belt shows no visible damage. Anchorages that have been loaded must also be inspected.**
- **Damaged safety belts must be replaced; they cannot be repaired.**
- **Never try to repair a damaged safety belt yourself. Never remove or modify the safety belts in any way.**
- **Have safety belts, bindings, retractors and buckles replaced by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Always keep the belts clean. Dirty belts may not work correctly and can impair the function of the inertia reel.**

Warning light

Fig. 47 Warning light in the instrument cluster.

Please first read and note the introductory information and heed the WARNINGS

Lights up or flashes	Possible cause	Proper response
	Driver and front passenger have not fastened their safety belts, if front passenger seat is occupied.	Fasten safety belts.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

A warning chime also sounds.

The safety belt warning light comes on for 6 seconds when the ignition is switched on. A warning chime also sounds for up to 6 seconds if the driver's safety belt is not buckled. The chime stops sooner if the driver buckles his or her safety belt. The warning light and the chime go out when both driver and front passenger have bucked their safety belts.

If the driver and front seat passenger do not both fasten their safety belts within about 24 seconds after the chime stops and the vehicle is moving at a speed of more than about 15 mph (25 km/h), the chime will again sound for about 6 seconds, then go off for about 24 seconds, then sound again for about another 6 seconds. The same thing happens if one of the safety belts is fastened and then unfastened while the vehicle is moving. The safety belt warning light also flashes. The warning chime continues to sound at 24 second intervals for up to 2 minutes. No chime sounds at speeds of less than about 5 mph (8 km/h).

If the ignition is switched on, the safety belt warning light stays on until the driver and front passenger have both buckled their safety belts.

WARNING

Not wearing a safety belt or wearing an improperly positioned safety belt increases the risk of severe personal injury or death. Safety belts offer optimum protection only when used correctly.

Frontal collisions and laws of physics

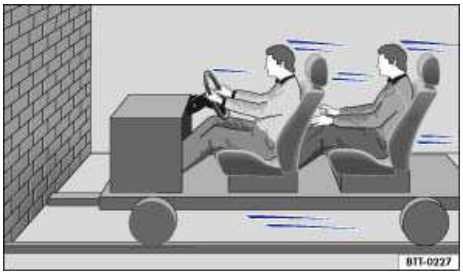

Fig. 48 A vehicle with passengers not wearing safety belts approaches a wall.

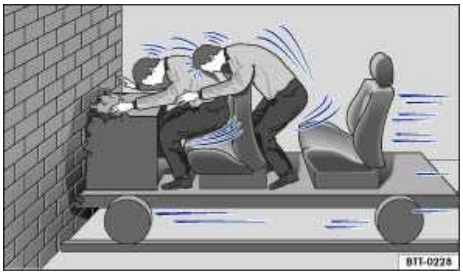

Fig. 49 A vehicle with passengers not wearing safety belts hits a wall.

Please first read and note the introductory information and heed the WARNINGS

The physical principles of a frontal collision are simple. Both the moving vehicle and the passenger possess energy ⇒ fig. 48, which varies with vehicle speed and body weight. Engineers call this energy “kinetic energy.”

The higher the speed of the vehicle and the greater the vehicle's weight, the more energy has to be “absorbed” in a crash.

Vehicle speed is the most significant factor. If your speed doubles (for example, from 15 mph to 30 mph – 25 km/h to 50 km/h), the energy increases 4 times!

Because the occupants of the vehicle in the above example are not using safety belts, they are not “attached” to the vehicle. In a frontal collision, they will keep moving at the same speed the vehicle was moving just before the crash, until something stops them - here, the inside of the passenger compartment. Because the occupants of the vehicle in the example are not wearing safety belts, their entire kinetic energy will be absorbed by impact with the wall ⇒ fig. 49.

The same principles apply to people in a vehicle that is in a frontal collision on the highway. Even at city speeds of 20–30 mph (30–50 km/h), the forces acting on the body can reach one ton (2,000 lbs or 1,000 kg) or more. At greater speeds, these forces are even higher.

Of course, the laws of physics don't apply just to frontal collisions; they determine what happens in all kinds of accidents and collisions.

What happens to passengers not wearing a safety belt

Fig. 50 The unbelted driver is thrown forward.

Fig. 51 Unbelted passengers in the rear seats are thrown forward on top of the belted driver.

Please first read and note the introductory information and heed the WARNINGS

Many people believe that it is possible to resist the forces of an impact by holding tight or bracing themselves. That is simply not true!

Even at low collision speeds, the forces acting on the body are too much for the body to be held in the seat with the arms and hands. In a frontal collision, unrestrained occupants will slam violently into the steering wheel, instrument panel, windshield or anything else in the way ⇒fig. 50.

Never rely on airbags alone for protection. Even when they deploy, airbags provide only additional protection. Airbags are not supposed to deploy in all kinds of accidents. Even if your vehicle is equipped with airbags, all vehicle occupants, including the driver, must wear safety belts correctly in order to minimize the risk of severe injury or death in a crash, regardless of whether a seating position has an airbag or not.

An airbag will deploy only once. Safety belts are always there to offer protection in those accidents in which airbags are not supposed to deploy or when they have already deployed. Unbelted occupants can also be thrown out of the vehicle, causing even more severe injuries or death.

It is also important for occupants in the rear seats to wear their safety belts properly since they can be thrown violently forward through the vehicle in the event of an accident. Unbelted passengers in the rear seats endanger not only themselves but also the driver and other passengers in the vehicle ⇒fig. 51.

Safety belts protect

Fig. 52 Belted driver secured by the correctly worn safety belt in the event of a sudden braking maneuver.

Please first read and note the introductory information and heed the WARNINGS

Used properly, safety belts can make a big difference. Safety belts help to keep passengers in their seats, gradually reduce energy levels applied to the body in a collision, and help prevent the uncontrolled movement that can cause serious injuries. In addition, safety belts reduce the danger of being thrown out of the vehicle ⇒fig. 52.

Safety belts attach passengers to the car and give them the benefit of being slowed down more gently or “softly” through the “give” in the safety belts, crumple zones, and other safety features (such as airbags) engineered into today's vehicles. The front crumple zones and other passive safety features (such as the airbag system) are also designed to absorb kinetic energy. By “absorbing” the kinetic energy over a longer period of time, the forces on the body become more “tolerable” and less likely to cause injury.

Although these examples are based on a frontal collision, safety belts can also substantially reduce the risk of injury in other kinds of crashes. So, whether you're on a long trip or “just going to the corner store,” always buckle up and make sure that others do, too.

Accident statistics show that vehicle occupants properly wearing safety belts have a lower risk of being injured and a much better chance of surviving a collision. Properly using safety belts also greatly increases the ability of the supplemental airbags to do their job in a collision. For this reason, wearing a safety belt is required by law in most countries including the United States and Canada.

Although your Volkswagen is equipped with airbags, you still have to wear the safety belts provided. Front airbags, for example, are activated only in some frontal collisions. The front airbags are not activated in all frontal collisions, in side and rear collisions, in rollovers, or in cases when the conditions for deployment stored in the electronic control unit are not met. The same goes for the other airbag systems on your Volkswagen.

So always wear your safety belt and make sure that everybody in your vehicle is properly restrained!

Using safety belts

Please first read and note the introductory information and heed the WARNINGS ⚠

Checklist

Using safety belts ⇒ ⚠

✓ Damage to safety belts reduces their overall effectiveness and increases the risk of serious personal injury and death whenever the vehicle is being used.

✓ Check the condition of all safety belts regularly.

✓ Keep safety belts clean.

✓ Keep objects and liquids away from safety belt webbing, the safety belt buckle tongue, and the safety belt buckle latch and opening.

✓ Do not pinch or damage the safety belt or buckle tongue (for instance, when closing a door).

✓ Never modify, disassemble or try to repair safety belts and safety belt anchorages.

✓ Always fasten your safety belt properly before driving and keep it fastened whenever the vehicle is moving.

Twisted safety belt

If it is difficult to pull the safety belt out of the belt guide, the belt may be twisted inside the side trim because the belt retracted too quickly when it was taken off.

- Hold the safety belt tongue, slowly and carefully pull safety belt all the way out.
- Untwist the safety belt and slowly return the belt by hand.

If you cannot untwist the safety belt, wear it anyway. Make sure that the safety belt is twisted in a spot where it does not come in direct contact with your body. Have the safety belt untwisted immediately by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Lockable safety belt

The retractors for the rear seat safety belts and the front passenger safety belt have a switchable locking feature for child restraints in addition to the emergency locking feature. Whenever a child restraint is installed with a safety belt, the safety belt must be locked so that the safety belt webbing cannot unreel. The switchable locking feature lets you lock the belt so that a child restraint can be properly installed and, for example, so that it can't tip to the side when the vehicle goes around a corner

To see whether a safety belt is lockable, pull the safety belt *all the way* out of the safety belt retractor. You should then hear a “clicking” sound as the belt winds back into the retractor reel. Test the switchable locking feature by pulling on the belt. When the switchable locking feature is active, you should no longer be able to pull the belt out of the retractor.

The locking feature must be deactivated when a vehicle occupant uses the safety belt.

WARNING

Improper use and care of safety belts increases the risk of severe personal injury or death.

- **Regularly check safety belts and related parts for damage.**
- **Damaged safety belts must be replaced; they cannot be repaired.**
- **Always keep safety belts clean.**
- **Never catch, damage or chafe safety belt webbing on sharp edges.**
- **Always keep objects and liquids away from the belt buckle and buckle opening.**

Fastening and unfastening safety belts

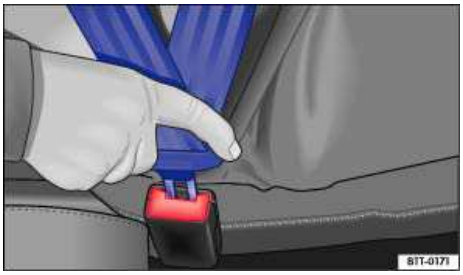

Fig. 53 Inserting the buckle tongue into the belt buckle.

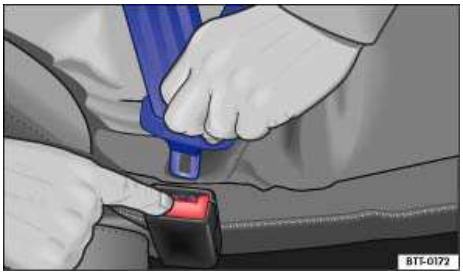

Fig. 54 Releasing the buckle tongue from the belt buckle.

Please first read and note the introductory information and heed the WARNINGS

Properly worn safety belts help to hold occupants in their seats and provide optimum protection during braking or in a collision or other accident ⇒.

The switchable locking feature makes a “clicking” sound when the safety belt is winding back onto the safety belt retractor wheel after being pulled *all the way* out. Whenever a child restraint is installed with a safety belt, the safety belt must be locked so that the safety belt webbing cannot unreel 98, *Child safety and child restraints*. If active, deactivate the locking feature before using the safety belt to restrain a person without a child restraint system.

Fastening safety belts

Always buckle your safety belt before driving.

- Adjust the front seat and head restraint correctly

- Make sure the seat backrest of the rear seat bench is in an upright position and securely latched in place before using the safety belt ⇒ ⚠.
- Hold the safety belt by the tongue and pull it slowly and evenly across the chest and pelvis. Do **not** twist the safety belt webbing ⇒ ⚠.
- Insert the tongue into the correct buckle for your seat until you hear it latch securely ⇒ fig. 53.
- Pull on the safety belt to make sure that it is securely latched in the buckle.

Unfastening safety belts

Unfasten safety belts only when the vehicle is not moving ⇒ ⚠.

- Press the red button on the buckle ⇒ fig. 54. The buckle tongue is ejected.
- Let the belt wind up on the retractor as you guide the belt tongue to its stowed position to help prevent the safety belt from twisting and to help avoid damage to the interior trim.

⚠ WARNING

Improperly positioned safety belts can cause serious personal injury or death in an accident.

- **Safety belts offer optimum protection only when the seat backrest is upright and belts are correctly positioned on the body.**
- **A person who is not properly restrained can be seriously injured by the safety belt itself if it slips from the stronger parts of the body into sensitive areas like the abdomen.**
- **Unfastening safety belts while the vehicle is in motion can cause severe personal injury or death in the event of an accident or braking maneuver!**

Safety belt position

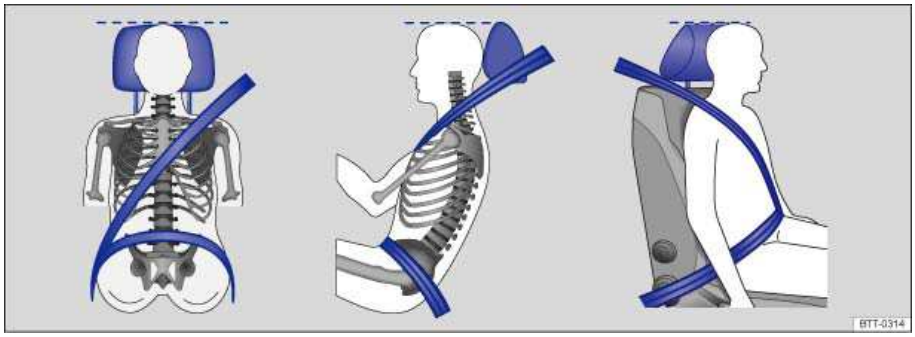

Fig. 55 Proper safety belt positioning and head restraint adjustment.

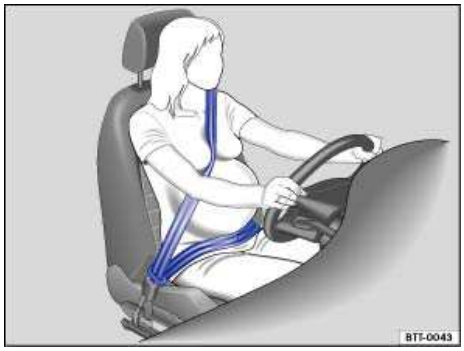

Fig. 56 Proper safety belt positioning for expectant mothers.

Please first read and note the introductory information and heed the WARNINGS ⚠

Wearing safety belts improperly can cause serious injury or death. Safety belts can only work when they are correctly positioned on the body. A properly worn safety belt also helps to position the occupant so that an airbag can provide maximum protection when deployed. Therefore, always fasten your safety belt and make sure that it is properly positioned over your body.

Improper seating positions reduce the effectiveness of safety belts and even increase the risk of injury or death by moving the safety belt to critical areas of the body. Improper seating positions also increase the risk of severe injury or death when an airbag deploys and strikes an occupant who is not seated properly, *Adjusting the seating position*.

Proper safety belt position

- The shoulder portion of the safety belt must always run over the center of the shoulder and never over the throat, over the arm, under the arm or behind the back.
- The lap portion of the safety belt must always run as low as possible over the pelvis and never over the abdomen.
- Always wear the safety belt flat and snug against the body. Pull on the safety belt to tighten if necessary.

Expectant mothers must always wear the lap portion of the safety belt as low as possible across the pelvis and below the rounding of the abdomen – throughout the pregnancy. The safety belt must lie flat against the body to avoid pressure against the abdomen ⇒ fig. 56.

Adjusting safety belt height

The safety belt position can be adjusted using the following features:

- Safety belt height adjusters for the front seats.
- Front seats with height adjustment.

WARNING

Improperly positioned safety belts can cause serious personal injury in an accident or a sudden braking maneuver.

- **Always make sure that all vehicle occupants are correctly restrained and stay in a correct seating position whenever the vehicle is being used.**
- **Safety belts offer optimum protection only when the seat backrest is upright and belts are correctly positioned on the body.**
- **A loose-fitting safety belt can cause serious injuries by shifting its position on your body from the strong bones to more vulnerable soft tissue and cause serious injury.**
- **The shoulder belt portion of the safety belt must be positioned over the middle of the occupant's shoulder and never across the neck or throat.**
- **The safety belt must lie flat and snug on the occupant's upper body.**
- **Never wear the shoulder part of the safety belt under your arm or otherwise out of position.**
- **The lap portion of the safety belt must be positioned as low as possible across the pelvis and never over the abdomen. Make sure the belt lies flat and snug against the pelvis. Pull on the safety belt to tighten if necessary.**
- **Expectant mothers must always wear the lap portion of the safety belt as low as possible across the pelvis and below the rounding of the abdomen.**
- **Do not twist the belt when attaching it. If you cannot untwist a twisted safety belt, wear it anyway, but make sure the twisted part is not in contact with your body. Have the problem corrected right away by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Never hold the safety belt away from your body with your hand.**
- **Never wear belts over rigid or breakable objects, such as eyeglasses, pens or keys.**
- **Never modify the position of the belt using comfort clips, loops or similar devices.**

If you have a physical impairment or condition that prevents you from sitting properly on the seat with the safety belt properly fastened, special modifications to your vehicle may be necessary. Contact your authorized Volkswagen dealer or authorized Volkswagen Service Facility or call the Volkswagen Customer CARE Center at 1-800-822-8987 for information about possible modifications to your vehicle.

Safety belt height adjusters

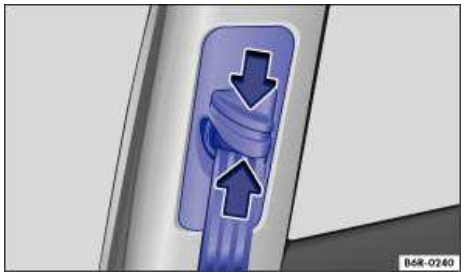

Fig. 57 Next to the front seats: Safety belt height adjuster.

Please first read and note the introductory information and heed the WARNINGS

Safety belt height adjusters for the front seats can be used to adjust the height of the shoulder portion of the safety belt so that it is positioned correctly:

- Pinch the safety belt attachment together as indicated by the arrows and hold ⇒ fig. 57.
- Slide the belt and upper attachment up or down until the safety belt is positioned over the center of the shoulder, *Safety belt position*.
- Release the safety belt attachment.
- Pull on the safety belt to make sure that the upper attachment is securely locked in place.

WARNING

Never adjust the height of the safety belt while driving.

Safety belt extender

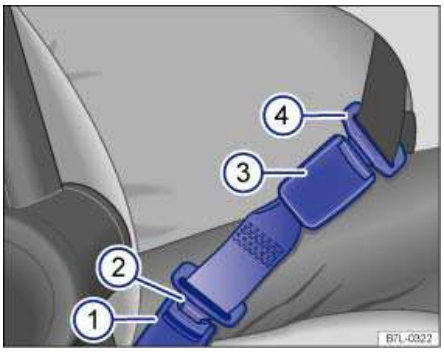

Fig. 58 A safety belt extender properly attached to the factory-installed safety belt.

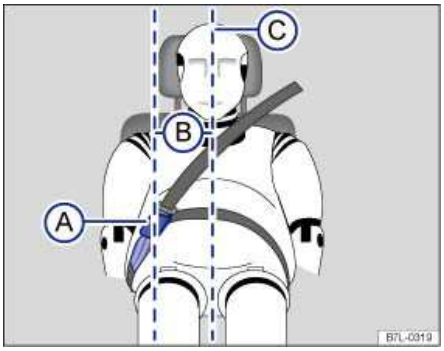

Fig. 59 Positioning of the safety belt extender.

Please first read and note the introductory information and heed the WARNINGS

If a safety belt is too short to correctly fit you or one of your passengers, even when the safety belt is pulled out all the way, you can use a safety belt extender.

Never use the safety belt extender for any other purpose – including the attachment of a child restraint.

The extender adds about 8 inches (20 cm) to the safety belt. Always remove the safety belt extender when it is not needed and stow it safely. Contact an authorized Volkswagen dealer or authorized Volkswagen Service Facility if you believe you may need an extender.

Key to fig. 58:

(1) Vehicle safety belt buckle.

(2) Buckle tongue on the safety belt extender.

(3) Safety belt buckle on the safety belt extender.

(4) Safety belt buckle tongue on the factory-installed safety belt.

Key to fig. 59:

(A) Safety belt buckle on the safety belt extender.

(B) Distance between the safety belt buckle on the safety belt extender and the centerline of the person using the safety belt extender. **The distance must be more than 6 inches (15 cm)!**

(C) Centerline of the person using the safety belt extender.

Using a safety belt extender

- Adjust both the seat and the head restraint properly , *Adjusting the seating position*.
- Insert the buckle tongue on the safety belt extender ⇒ fig. 58 (2) into the vehicle belt buckle for the seat where the safety belt extender is being used (1).
- Fastening or unfastening the vehicle safety belt
- Pull the belt to make sure that the tongues are securely locked in the buckles.
- Make sure that the safety belt is positioned properly

Properly using safety belt extenders:

- Use a safety belt extender only when the factory installed safety belt is too short when worn properly by a person in proper seating position.
- Only use 1 safety belt extender per seat and vehicle safety belt.
- Always remove the safety belt extender when it is not needed.
- Never leave a safety belt extender attached to the vehicle safety belt buckle when the extender is not needed and being used with the safety belt. Otherwise, the airbag control module will receive an incorrect signal from the safety belt buckle and this will prevent the airbag from working properly for a person who is not using the safety belt. Leaving the extender attached to the safety belt buckle when the front seat is occupied and the safety belt is not being used will signal the airbag control unit during a collision that the front passenger seat is occupied and that the safety belt is being used. The electronic control unit for the airbag system will then receive incorrect information that will cause the safety belt pretensioner to deploy unnecessarily and the front passenger airbag to deploy later in collisions that would normally trigger the front airbag earlier in the collision to help protect an unrestrained front seat occupant. The airbag will not be able to provide enough protection for an occupant not wearing a safety belt.
- Only use the safety belt extender approved by Volkswagen for your vehicle.

WARNING

Improper use or positioning of a safety belt extender increases the risk of serious personal injury and death.

- **A driver or passenger who is not properly restrained can be seriously injured by striking the interior of the passenger compartment or by the safety belt itself, which can be displaced from stronger parts of the body into sensitive areas like the abdomen.**
- **Safety belt extenders offer optimum protection only when they are properly used.**
- **Only use the extender when the belt is not long enough to be worn low and snug and the person is in the correct seating position. Remove and stow extender safely when not needed.**
- **Always make sure the safety belt tongue of the safety belt extender is securely inserted into the buckle for the seating position that belongs to the seat where the safety belt extender is being used. Attaching the safety belt to the wrong buckle will reduce safety belt effectiveness and can cause serious personal injury.**
- **Never use the safety belt extender if you can properly attach the safety belt without it. Using a safety belt extender when not needed can increase the risk of injury, especially in a collision.**
- **Never use a safety belt extender if the distance (B) between the front edge of the safety belt extender buckle (A) and the centerline of the person using the safety belt extender**

⇒fig. 59 (C) is less than 6 inches (15 cm).

- **Never leave a safety belt extender attached to the vehicle safety belt buckle when the extender is not needed and being used with the safety belt. Otherwise, the airbag control module will receive an incorrect signal from the safety belt buckle and this will prevent the airbag from working properly for a person who is not using the safety belt.**
- **Never use more than 1 extender with a safety belt. Using more than 1 extender can change the way the safety belt passes over the body and can cause serious injury.**
- **Never use the safety belt extender to secure a child restraint.**
- **Never use a safety belt extender on your Volkswagen that you got from another automobile manufacturer or from an automotive parts store.**
- **Never use the safety belt extender you got for your vehicle for any other vehicle, regardless of make, model, or model year.**

NOTICE

- Leaving the extender attached to the safety belt buckle when the front seat is occupied and the safety belt is not being used will signal to the airbag control unit that the front passenger seat is occupied and that the safety belt is being used. The electronic control unit for the airbag system will then receive incorrect information that will
  - **cause the safety belt pretensioner to deploy unnecessarily in collisions.**
  - **cause the front passenger airbag to deploy later in collisions in which the front airbag would otherwise be triggered earlier to help protect an unrestrained front seat passenger.**
- **A pretensioner that has deployed cannot be repaired. The entire safety belt must be replaced.**

NOTICE

If the safety belt extender is left attached to the safety belt buckle, the safety belt warning system will sense that the safety belt for that seat is being used. The warning light will not come on and the warning chime will not sound even though the seat is occupied and the safety belt is not being used.

Safety belt retractor, pretensioner, load limiter

Please first read and note the introductory information and heed the WARNINGS ⚠ .

The safety belts in the vehicle are part of the vehicle's safety concept and consist of the following important features:

Automatic safety belt retractors

Every safety belt is equipped with an automatic belt retractor on the shoulder belt. As long as the safety belt is pulled out slowly, the shoulder belt will extend to let you move freely under normal driving conditions. The automatic safety belt retractor locks the belt when the belt is pulled out fast, during hard braking and in a collision. The belt may also lock when you drive up or down a steep hill or through a sharp curve.

Safety belt pretensioner

The safety belt retractors for the driver and front seat passenger have a pretensioner that helps take the slack out of the safety belt and tighten it when the pretensioner is activated.

The pretensioners are activated by the electronic control unit for the airbag system in front, side, and rear collisions. By tightening the safety belt, the pretensioner helps to reduce the occupant's forward movement. The belt pretensioner works together with the airbag system; its function is monitored by the airbag system indicator light. The belt pretensioner will not deploy in a rollover if the side airbags are not activated.

A fine dust may be released upon activation. This is normal and is not caused by a fire in the vehicle.

Safety belt load limiter

The front safety belts also have load limiters to help reduce the forces applied to the body in a crash.

ⓘ Heed all safety regulations if the vehicle or individual components of the system have to be scrapped. Your authorized Volkswagen dealer and authorized Volkswagen Service Facility are familiar with these regulations

Service and disposal of belt pretensioners

Please first read and note the introductory information and heed the WARNINGS ⚠

The pretensioners are part of the safety belts installed at the front seats in your vehicle. Installing, removing, servicing, or repairing of safety belt pretensioners can damage the safety belt system and prevent it from working correctly in a collision. The pretensioners themselves may then also not work in the event of an accident, or not work properly.

There are some important things you have to know to make sure that the effectiveness of the system will not be impaired and that discarded components do not cause injury or pollute the environment. Undeployed safety belt pretensioners and airbag modules contain explosive materials that can cause serious injuries to the general public and to people who work at dealerships and workshops, scrap yards, and recycling facilities. For this reason, the systems must be properly handled when they or the vehicles they are installed in are scrapped.

Undeployed safety belt pretensioners and airbag modules can also pollute the environment. Never abandon vehicles or vehicle parts. If your vehicle must be scrapped, please make sure that it is done safely, responsibly, and in compliance with all applicable environmental regulations. Take it to a licensed facility that has the knowledge and experience to properly dispose of the vehicle and its safety belt system. Your authorized Volkswagen dealer and authorized Volkswagen Service Facility are familiar with these regulations.

WARNING

Improper handling, care, servicing, and repair procedures can increase the risk of personal injury and death by preventing a belt pretensioner from activating when needed or by causing it to activate unexpectedly.

- **The pretensioner can be activated only once. If a pretensioner has been activated, the safety belt must be replaced.**
- **Safety belt systems including the pretensioners cannot be repaired. Special procedures are required to remove, install, and dispose of this system.**
- **Never repair, adjust, or change pretensioners or any other part of the safety belt system yourself. We strongly recommend that you have any work on the safety belt system performed by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. They have the necessary technical information, training, and special equipment**

WARNING

Undeployed safety belt pretensioners and airbag modules contain explosive materials that can cause serious personal injuries if they are not properly handled when they or the vehicles they are installed in are scrapped.

- **Never abandon vehicles or vehicle parts.**
- **Always scrap vehicles and vehicle parts, especially those containing undeployed airbag modules and undeployed safety belt pretensioners, at a licensed facility that has the knowledge and experience to properly dispose of the vehicle and its safety belt and airbag systems.**

Undeployed airbag modules and safety belt pretensioners are classified as **Perchlorate Material**. Special handling may apply – see http://www.dtsc.ca.gov/hazardouswaste/perchlorate. Obey all applicable legal requirements regarding handling and disposal of the vehicle or parts of its restraint system, including airbag modules and safety belts with pretensioners. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are familiar with the requirements, and we recommend that you have them perform this service for you.

Lights

Introduction

In this section you'll find information about:

Indicator lights
Turn signal lever and high beam switch
Switching lights on and off
Lights and vision features
Lights and vision features
Instrument panel lighting and headlight range adjustment
Interior and reading lights

Always obey local vehicle lighting laws.

The driver is always responsible for the correct headlight settings.

More information:

- Exterior views
- Volkswagen Information System
- Changing a light bulb

WARNING

Crashes and other accidents can happen when you cannot see the road ahead and when you cannot be seen by other motorists.

- **Always switch on the low beam headlights at dusk or when it is dark and whenever the weather is bad or visibility is poor.**

WARNING

Headlights that are aimed too high and improper use of the headlight flasher or high beams can blind and distract other drivers. This can lead to a crash and serious personal injuries.

- **Always make sure that headlights are properly adjusted.**
- **Never use the headlight flasher or high beams when they can blind or distract other drivers.**

Indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	One or more driving lights not working or Adaptive Front Lighting System (AFS) malfunction.	Replace burned out bulb 302, or If all light bulbs are OK, see an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Lights up	Possible cause	Proper response
	Fog lights switched on (indicator light on the headlight switch or the instrument cluster).	
	Left or right turn signal. The indicator light blinks twice as fast if a turn signal is not working on the vehicle or the trailer.	Check the turn signals on the vehicle and the trailer.
DRL	Daytime running lights (DRL) on.	
	High beams switched on or headlight flashers in use.	

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**
- **Whenever stalled or stopped for repair, move the vehicle a safe distance off the road, stop the engine, turn on the emergency flashers, and use other warning devices to warn approaching traffic.**
- **Never park the vehicle in areas where the hot catalytic converter and exhaust system can come into contact with dry grass, brush, spilled fuel, oil, or other material that can catch fire.**
- **A broken down vehicle presents a high accident risk for itself and others. Switch on emergency flashers and set up a warning triangle to warn oncoming traffic.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

High Intensity Discharge (HID) headlights provide bright, uniform lighting to help you see and be seen. The light comes from an electric arc between two electrodes in the gas-filled bulb. Over time, the electrodes can wear down and the gap between them will get wider. The HID lamp's control unit then increases the voltage to keep the arc's brightness constant. However, the commonly called "Xenon" bulbs will also ultimately burn out. Before they burn out, HID lamps can flicker. A message will then appear in the MFI. This is your reminder to see an authorized Volkswagen dealer or an authorized Volkswagen Service facility to check the headlights.

Turn signal lever and high beam switch

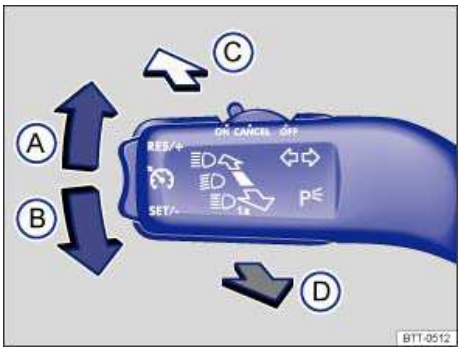

Fig. 73 Turn signal lever and high beam switch.

Please first read and note the introductory information and heed the WARNINGS ⚠

Move the lever to the desired position.

(A) Right turn signal.

(B) Left turn signal.

(C) Switching high beams on ⇒⚠. An indicator light $ comes on in the instrument cluster when the high beams are switched on.

(D) Switching the high beams off and operating the headlight flasher. The *headlight flasher* turns on the high beams as long as the lever is pulled and manually held in the pulled position. The indicator light $ lights up. When released, the lever moves back to the home position and turns off the high beams. The indicator light $ goes out.

Move the lever back to the home position to turn the selected feature off.

Lane change signaling feature (convenience turn signal)

To use the lane change signaling feature, move the lever up or down slightly, just to the point of resistance and then release it. If you have lane change flash (**`Conv. turn sig.`**) switched on, the turn signals and the turn signal indicator flash 3 times. If it is switched off, they flash as long as you hold the lever up or down, and go out when you release the lever.

Lane change flash is switched on and off in the **`Lights & Vision`** menu in the instrument cluster display 23. If your vehicle is not equipped with the **`Lights & Vision`** menu, the lane change flash feature can be deactivated by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

⚠ WARNING

Improper use of high beams can distract and blind others, causing accidents and serious injuries.

ⓘ The turn signal light works only when the ignition is switched on. The emergency flasher works even when the ignition is switched off

ⓘ The indicator light flashes twice as fast if a turn signal bulb is burned out.

High beams can only be switched on when the low beams are on.

Switching lights on and off

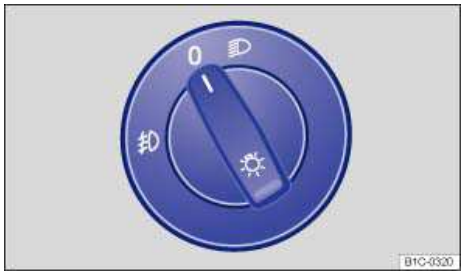

Fig. 74 Headlight switch next to the steering wheel.

Please first read and note the introductory information and heed the WARNINGS

Adjust the light switch to the desired position ⇒ fig. 74:

Symbol	When the ignition is switched off	When the ignition is switched on
0	Fog lights and low beams switched off.	Headlights off, daytime running lights (DRL) on.
	Low beams switched off. The DRL may stay on. The length of time they stay on depends on the vehicle battery charge.	Low beams switched on.
	Fog lights switched off. The DRL may stay on for some time.	Headlights and fog lights switched on.

Fog lights

The indicator light in the headlight switch or the instrument cluster shows that the fog lights are switched on.

- To switch on the fog lights: first turn the light switch to position , then pull the light switch out to the first detent.
- To switch off the fog lights, push the switch back in from the first detent. To then turn off the headlights, turn the switch to position **0**.

Acoustic warning when lights are not switched off

In the following situation, a warning chime will sound if you take the key out of the ignition and open the driver door. This is to remind you that lights are still on.

- Light switch in position

WARNING

Daytime running lights are not bright enough to let you see ahead or be seen by others when it is dark.

- **Always switch on the low-beam headlights at dusk or when it is dark and whenever the weather is bad or visibility is poor.**
- **Never use the daytime running lights to see where you are going. They are not bright enough and will not let you see far enough ahead for safety, especially at dusk or when it is dark. Always switch on the low-beam headlights at dusk or when it is dark.**
- **The taillights do not come on with the daytime running lights. Unless the taillights are on, a vehicle cannot be seen by others in bad weather, at dusk, or when it is dark.**

In cool or humid weather, the insides of the headlights, the rear lights, and turn signals can temporarily fog up. This is normal and does not affect the service life of the vehicle's lighting system.

Applicable only in the United States

Lights and vision features

Please first read and note the introductory information and heed the WARNINGS

Daytime running lights (DRL)

Separate lamps are installed in the headlights or in the front bumper for the daytime running lights (DRL).

When the daytime running lights are switched on, only these separate lamps come on ⇒.

The daytime running lights are switched on whenever the ignition is switched on and the light switch is in position **0**. The indicator light or **DRL** may come on in the instrument cluster to indicate that the feature is active

Daytime running lights (DRL) parking feature

Some models are equipped with a daytime running lights (DRL) parking feature that switches the daytime running lights off when the vehicle is parked and the ignition is switched on.

Function	Action
Switching the DRL off:	– Switch the ignition on. – Turn the light switch to the o position. – Set the parking brake.
Switching the DRL back on:	– Release the parking brake.

Static cornering lights

Your vehicle may have fog lights under the front bumper, which on some models are also static cornering lights. On some models the static cornering lights may be integrated in the headlights. At speeds below about 25 mph (40 km/h), the light on one side of the vehicle will come on automatically when you turn a corner. If you turn to the right, the right fog light comes on; turn left and the left fog light comes on. The light dims and goes out when the steering wheel is straightened out again.

When you move the selector lever to Reverse **(R)**, the static cornering lights on both sides of the vehicle may come on so that you can see the area around the vehicle better when backing up.

The static cornering lights work only when the headlights are on. The static cornering lights do not come on when the headlight switch is in the O position or when the fog lights themselves have been switched on

Adaptive Front Lighting System (AFS)

The Adaptive Front Lighting System works only with the low beams switched on and only at speeds above about 6 mph (10 km/h). The swivel-mounted lamps automatically improve road illumination during cornering.

On vehicles equipped with the Adaptive Front Lighting System, the feature is switched on and off via the **Assistants** menu in the instrument cluster display

WARNING

Crashes and other accidents can happen when you cannot see the road ahead and when you cannot be seen by other motorists.

- **Never use daytime running lights (DRL) to see where you are going. DRL are not bright enough to light up the roadway and be seen by other motorists. You will not be able to see far enough ahead for safety, especially at dusk or when it is dark. Always switch on the low-beam headlights at dusk or when it is dark.**
- **The taillights do not come on when the daytime running lights are switched on. A vehicle without taillights on cannot be seen by others in bad weather, at dusk, or when it is dark.**

In cool or humid weather, the insides of the headlights, the rear lights, and turn signals can temporarily fog up. This is normal and does not affect the service life of the vehicle's lighting system.

Applicable only in Canada

Lights and vision features

Please first read and note the introductory information and heed the WARNINGS

Daytime running lights (DRL)

Separate lamps are installed in the headlights or in the front bumper for the daytime running lights (DRL).

When the daytime running lights are switched on, only these separate lamps come on ⇒.

The daytime running lights are switched on whenever the ignition is switched on and the light switch is in position **0**. The indicator light or **DRL** may come on in the instrument cluster to indicate that the feature is active

Static cornering lights

Your vehicle may have fog lights under the front bumper, which on some models are also static cornering lights. On some models the static cornering lights may be integrated in the headlights. At speeds below about 25 mph (40 km/h), the light on one side of the vehicle will come on automatically when you turn a corner. If you turn to the right, the right fog light comes on; turn left and the left fog light comes on. The light dims and goes out when the steering wheel is straightened out again.

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Crashes and other accidents can happen when you cannot see the road ahead and when you cannot be seen by other motorists.

- **Never use daytime running lights (DRL) to see where you are going. DRL are not bright enough to light up the roadway and be seen by other motorists. You will not be able to see far enough ahead for safety, especially at dusk or when it is dark. Always switch on the low-beam headlights at dusk or when it is dark.**
- **The taillights do not come on when the daytime running lights are switched on. A vehicle without taillights on cannot be seen by others in bad weather, at dusk, or when it is dark.**

In cool or humid weather, the insides of the headlights, the rear lights, and turn signals can temporarily fog up. This is normal and does not affect the service life of the vehicle's lighting system.

Instrument panel lighting and headlight range adjustment

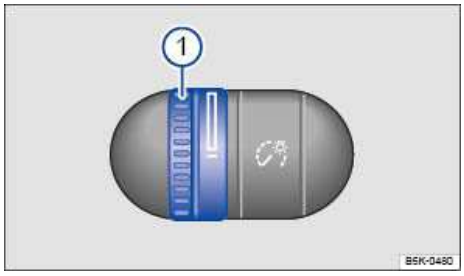

Fig. 75 To the left of the steering wheel: Thumbwheel to adjust instrument panel lighting 1.

Please first read and note the introductory information and heed the WARNINGS

Instrument panel lighting

When the lights are on, the brightness of the instrument panel lighting is adjusted by turning the thumbwheel ⇒ fig. 75 (1).

Instrument cluster brightness

When the lights are on, the brightness of the instrument cluster lighting is adjusted by turning the thumbwheel (1).

In some vehicles with daytime running lights (DRL), the instrument cluster lighting switches on automatically when it is dark outside or when driving through tunnels, for example. You will need to switch the headlights on manually when this happens, so that the vehicle's taillights will turn on 103, 104.

Dynamic headlight range adjustment

In some vehicles with HID (Xenon) headlights, the headlight range is automatically adjusted to the vehicle loading condition once the low beams are switched on ⇒ ⚠.

⚠ WARNING

Headlights that are aimed too high because of the way the vehicle is loaded can blind and distract other drivers. This can lead to a crash and serious personal injuries.

- **Always make sure the headlights are adjusted to loading conditions so that they do not blind others.**

⚠ WARNING

If dynamic headlight range adjustment does not work properly or at all, the headlights could blind and distract other drivers. This can lead to a crash and serious personal injuries.

- **Have headlight range adjustment checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.**

Interior and reading lights

Please first read and note the introductory information and heed the WARNINGS ⚠

Button	Function
0	Interior lights off.
	Interior lights on.
	Door contact switch - center position. Interior lights go on automatically when the vehicle is unlocked, a door is opened, or the vehicle key is removed from the ignition. The lights go out about 20 seconds after you close the doors. They also go out when you lock the vehicle or switch on the ignition.
	Reading light on or off.

Glove and luggage compartment lights

The glove and luggage compartments may have lights that come on automatically when they are opened and go off when they are closed.

Background lighting

When the ignition and headlights are switched on, the background lighting in the roof console lights up.

There may also be footwell lighting.

The interior and reading lights go out when you lock the vehicle or a few minutes after you remove the vehicle key from the ignition. This helps to prevent unnecessary drain on the vehicle battery.

Sun protection

Introduction

In this section you'll find information about:

Sun visors

Windshield made of heat-insulating glass

WARNING

Sun visors can reduce visibility.

- **Always stow sun visors when not needed to block sun glare.**

Sun visors

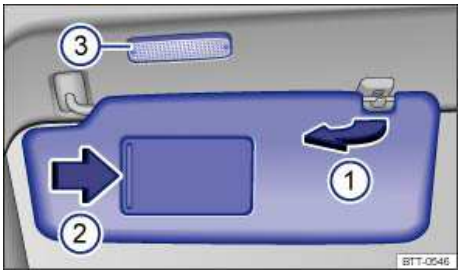

Fig. 76 Sun visor.

Please first read and note the introductory information and heed the WARNINGS

Sun visor adjustment:

- Flip the sun visor down toward the windshield.
- Lift it out of the retaining clip ⇒ fig. 76 (1) and swivel it over toward the door.

Additional sun visor positions:

- On some vehicles, you can slide the sun visor towards the rear of the vehicle after swiveling it over to the door.

Vanity mirror and lighting

A vanity mirror is behind a cover in the sun visor. A light (3) may come on when you slide the cover (2) open.

The light goes out when you shut the cover or if you flip the sun visor up again.

The vanity mirror light and the interior light above the sun visor go out after several minutes. This helps to prevent unnecessary drain on the vehicle battery.

Windshield made of heat-insulating glass

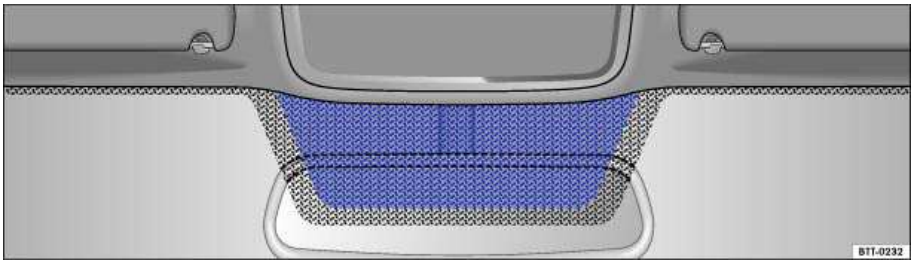

Fig. 77 Heat-reflective windshield with communications window (blue shaded area).

Please first read and note the introductory information and heed the WARNINGS

Windshields made of insulating glass have a transparent metallic infrared-reflecting coating. There is an uncoated area (communications window) just above the inside rearview mirror ⇒ fig. 77. This serves as a communications window for transmitting signals to and from electronic components and accessories.

The uncoated area must not be blocked on the inside or outside or covered with stickers because this can cause the electronic components to malfunction.

Mirrors

Introduction

In this section you'll find information about:

Inside mirror
Outside mirrors

For your driving safety, it is important that you properly adjust the outside mirrors and the inside mirror before you start driving ⇒ ⚠.

The outside mirrors and the inside mirror help you see and adapt your driving to traffic behind you. Remember that the inside and outside rearview mirrors will not show everything behind you. There can be blind spots. Blind spots can be significantly larger if the mirrors are not properly adjusted.

More information:

- Exterior views
- Volkswagen Information System
- Adjusting the seating position
- Shifting gears
- Braking, stopping and parking

⚠ WARNING

Adjusting mirrors when the vehicle is moving can cause driver distraction, accidents, and serious personal injury.

- **Always adjust the rearview mirrors when the vehicle is not moving.**
- **Always be aware of what is happening around the vehicle when changing lanes, passing, turning, or parking. Another vehicle, pedestrian, or object could be in your blind spot.**
- **Always make sure mirrors are properly adjusted and the view to the rear is not reduced by moisture, ice, snow, or other things.**

Inside mirror

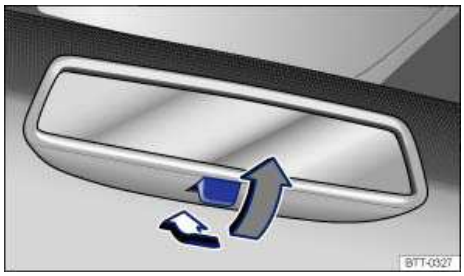

Fig. 81 Manually adjustable inside mirror.

Please first read and note the introductory information and heed the WARNINGS ⚠

Adjust the inside mirror to make sure that there is good visibility through the rear window.

For example, visibility through the rear window could be impaired if there is a sunshade on the rear window or clothing on the luggage compartment cover, or if the rear window is covered with ice, snow, or dirt.

Manually adjustable inside mirror

- Home position: Lever on the bottom edge of the mirror points forward.
- To adjust to non-glare visibility, move the lever so that it points backward ⇒ fig. 81.

Outside mirrors

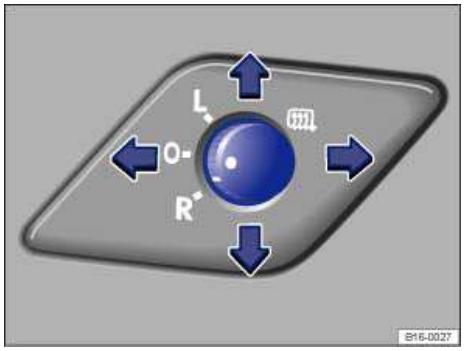

Fig. 82 In the driver door: Adjusting knob for the outside mirrors.

Please first read and note the introductory information and heed the WARNINGS ⚠

Turn the rotary knob ⇒ fig. 82 to adjust the outside mirrors.

Turn the rotary knob to the desired position:

	Switch on outside mirror heating. Heats only at outside air temperatures below +68 °F (+20 °C).
L	Adjust the left outside mirror by pressing the knob to left/right and up/down.
R	Adjust the right outside mirror by pressing the knob to left/right and up/down.
0	Neutral position. Outside mirror folded out, no heating or adjustment possible.

⚠ WARNING

Improper use of the folding outside mirrors can cause personal injury.

- **Always make sure that nobody is in the way when folding the mirrors in or out.**
- **Make sure that you do not get your finger caught between the mirror and the mirror base when moving the mirrors.**

WARNING

Incorrectly estimating distances with the right outside mirror can cause collisions and serious injury.

- **The right outside mirror has a convex (curved) surface. This widens your field of vision. But vehicles or other objects seen in a convex mirror will look smaller and farther away than they really are.**
- **If you use the right outside mirror to judge distances from vehicles behind you when changing lanes, you could estimate incorrectly and cause a crash and serious injuries.**
- **Whenever possible, use the inside mirror to more accurately judge distance and size of vehicles or other objects seen in the convex mirror.**
- **Always make sure you have a clear view to the rear of the vehicle.**

NOTICE

Always fold in the outside mirrors when taking the vehicle through an automatic car wash.

To reduce fuel consumption, use outside mirror heating only when needed.

When first switched on, outside mirror heating works with maximum heat for about 2 minutes.

If power mirror adjustment does not work, the outside mirrors can be adjusted by hand by pressing on the edges of the mirror surface.

Driving tips

Introduction

In this section you'll find information about:

Stowing luggage

Driving with an open luggage compartment lid

Driving a loaded vehicle

Weights and axle weights

Always stow heavy objects in the luggage compartment and make sure that the rear seat backrests are securely latched. Always use the tie-downs in the luggage compartment and secure the objects with suitable straps. Never overload the vehicle. Remember that the vehicle load, as well as how it is distributed, can affect vehicle handling and braking ⇒ ⚠.

More information:

- Luggage compartment lid
- Folding the passenger seat backrest forward
- Lights
- Luggage compartment
- Roof rack
- Trailer towing
- Tires and wheels

⚠ WARNING

Unsecured or incorrectly stowed items can fly through the vehicle, causing serious personal injury during hard braking or sharp steering or in an accident. Loose items can also be struck and thrown through the passenger compartment by the front airbags if they inflate. To help reduce the risk of serious personal injury:

- **Always stow all objects securely in the vehicle.**
- **Always keep storage compartments closed while driving.**
- **Do not stow hard, heavy, or sharp objects in open bins in the vehicle or on top of the instrument panel.**
- **Remove hard, heavy, and sharp objects from clothing and bags in the vehicle interior and stow securely. Always put heavy items in the luggage compartment.**
- **Always secure objects in the passenger compartment properly with suitable straps so that they cannot move into the deployment area of a side or front airbag during braking, in a sudden maneuver, or in a collision.**
- **Always make sure that there is nothing on the front passenger seat when the backrest is folded forward.**
- **Passengers must never ride in an incorrect seating position because objects are being transported in the vehicle.**
- **Never let anybody sit in a seat that is blocked by objects being carried in the vehicle.**

WARNING

Heavy loads will influence the way your vehicle handles and increase stopping distances. Heavy loads that are not properly stowed or secured can cause loss of control and serious injury.

- **Secure the load properly to keep it from shifting.**
- **Always remember when transporting heavy objects that a change in the center of gravity also changes the way your vehicle handles:**
  - **Always distribute the load as evenly as possible.**
  - **Secure heavy objects properly as far forward in the luggage compartment as possible.**
  - **Always tie down heavy items securely with suitable straps using the tie-downs in the luggage compartment.**
- **Securely latch the rear seat backrest in the upright position.**
- **Never exceed the Gross Axle Weight Rating or the Gross Vehicle Weight Rating on the safety compliance sticker on the left door jamb. Exceeding permissible weight can cause the vehicle to skid and handle differently.**
- **Always adapt your speed and driving to the heavier load and the weight distribution in the vehicle. Take road, weather, traffic, and visibility conditions into account as well.**
- **Always accelerate gently and avoid sudden braking and driving maneuvers.**
- **Always brake earlier than you would if you were not driving a loaded vehicle.**

Stowing luggage

Please first read and note the introductory information and heed the WARNINGS

Always stow all luggage securely in the vehicle

- Distribute the load in the vehicle, on the roof, and in the trailer as evenly as possible.
- Put heavy objects as far forward as possible in the luggage compartment and securely latch the rear seat backrest in the upright position.
- Secure luggage in the luggage compartment to the tie-downs with suitable straps
- Have the headlight range adjusted, if necessary
- Check the pressure in all 4 tires when the tires are still cold. Never reduce air pressure in warm tires to match cold tire inflation pressure. Heed the information on the tire pressure label .
- Pay especially close attention to your vehicle's Tire Pressure Monitoring System when driving with a heavy load

NOTICE

The defroster heating wires or antenna in the rear window can be damaged by objects that rub against them.

Please review the information on loading a trailer and a roof rack

Driving with an open luggage compartment lid

Please first read and note the introductory information and heed the WARNINGS

Driving with an open luggage compartment lid can lead to serious personal injury. If you have to drive with an open luggage compartment lid, make sure that all objects and the lid itself are properly secured and take appropriate measures to keep toxic exhaust fumes from entering the vehicle.

WARNING

Driving with an unlatched or open luggage compartment lid can lead to serious personal injury.

- **Never transport objects larger than those that fit completely in the luggage compartment, because the luggage compartment lid cannot be fully closed properly.**
- **After closing the lid, always pull up on it to make sure that it is properly closed and cannot open suddenly when the vehicle is moving.**
- **Always stow all objects securely in the luggage compartment. Loose objects can fall out of the luggage compartment and injure others on the road behind you.**
- **Drive carefully; anticipate what other drivers will do.**
- **Avoid abrupt or sudden acceleration, steering, or braking, because the unlatched luggage compartment lid can move suddenly.**
- **Always mark objects sticking out from the luggage compartment clearly for others to see. Obey all applicable legal requirements.**
- **Never use the luggage compartment lid to “clamp” or “hold” objects that stick out of the luggage compartment.**
- **Always remove any luggage rack or other rack mounted on the luggage compartment lid (along with any luggage on the rack) before driving with an open luggage compartment lid.**

WARNING

Driving with an open luggage compartment lid can cause poisonous carbon monoxide in the engine exhaust to get into the passenger compartment.

- **Carbon monoxide causes drowsiness, inattentiveness, poisoning, and loss of consciousness. It can lead to accidents and severe personal injuries.**
- **Always keep the luggage compartment lid closed while driving to help keep poisonous exhaust fumes from being drawn into the vehicle.**
- **Never transport objects that are too large to fit completely into the luggage area, because then the luggage compartment lid cannot be fully closed.**
- **If you absolutely must drive with an open luggage compartment lid, do the following to reduce the risk of carbon monoxide poisoning:**
  - **Close all windows and the power sunroof.**
  - **Switch off the climate control system's air recirculation feature.**
  - **Open all air vents in the instrument panel.**
  - **Set the fresh air fan to the highest speed.**

NOTICE

The open luggage compartment lid changes the vehicle height.

Driving a loaded vehicle

Please first read and note the introductory information and heed the WARNINGS

For good handling when driving a loaded vehicle, please observe the following:

- Securely stow all luggage
- Drive especially carefully and accelerate gently.
- Avoid sudden braking and driving maneuvers.
- Brake earlier than you would if you were not driving a loaded vehicle.
- If applicable, observe information about driving with a trailer
- If applicable, observe information about driving with a roof rack

WARNING

Heavy loads can change the way your vehicle handles and increase stopping distances. Heavy loads that are not properly stowed or secured can shift suddenly, causing loss of control and serious injury.

- **Secure the load properly to keep it from shifting.**
- **Always remember when transporting heavy objects that they change the vehicle's center of gravity and also the way it handles.**
  - **Always distribute the load as evenly as possible.**
  - **Secure heavy objects as far forward in the luggage compartment as possible.**
  - **Use your vehicle's luggage compartment tie-downs with suitable straps.**
- **Always tie down heavy items securely with suitable straps.**
- **Securely latch the rear seat backrest in the upright position.**
- **Never exceed the Gross Axle Weight Rating or the Gross Vehicle Weight Rating on the safety compliance sticker on the left door jamb. Exceeding permissible weight can cause the vehicle to skid and handle differently.**
- **Always adapt speed and driving to the heavier load and the weight distribution in the vehicle. Take road, weather, traffic, and visibility conditions into account as well.**
- **Always accelerate gently and avoid sudden braking and driving maneuvers.**
- **Always brake earlier than you would if you were not driving a loaded vehicle.**

Weights and axle weights

Please first read and note the introductory information and heed the WARNINGS

The actual gross weight of any vehicle depends on the engine, basic equipment, any factory-installed optional equipment for the given model, and any accessories that have been installed. The Gross Vehicle Weight Rating (GVWR) and the Gross front and Rear Axle Weight Ratings (GAWR) for a given vehicle are printed on the vehicle's Safety Compliance Certification Label on the driver door jamb.

The **Gross Vehicle Weight Rating** includes the weight of the vehicle itself with all of its factory-installed equipment, plus a full tank of gasoline, the engine oil and coolant, all vehicle occupants (150 lbs/68 kg per seating position) and cargo.

The **Gross Axle Weight Ratings** specify the maximum allowable load for each axle.

The cargo payload may not be increased by using a roof rack without commensurately reducing the weight from vehicle occupants ⇒. Determining the Gross Vehicle Weight Rating , *Tires and wheels*.

Vehicle payload consists of the combined weight of the following:

- Passengers.
- Total luggage and other cargo.

Luggage compartment

Introduction

In this section you'll find information about:

Folding the rear seat backrest forward and back into place

Luggage compartment pass-through

Tie-downs

Always stow heavy objects in the luggage compartment and make sure that the rear seat backrests are securely latched in their upright position. Always secure objects to the tie-downs with suitable straps. Never overload the vehicle. Remember that the vehicle load, as well as how it is distributed, can affect vehicle handling and braking ⇒ ⚠.

More information:

- Safety belts
- Airbag system
- Lights
- Transporting
- Trailer towing
- Tires and wheels

WARNING

An open or unlocked luggage compartment poses special risks for children.

- **Close and lock the luggage compartment lid and all doors when the vehicle is not in use. First, make certain that no one is left inside.**
- **Never leave your vehicle unattended or let children play around the vehicle, especially with the luggage compartment lid left open. A child could crawl into the vehicle and pull the lid shut, becoming trapped and unable to get out. This could cause severe or fatal injuries.**
- **A closed vehicle can become very hot or very cold, depending on the season. Temperatures can quickly reach levels that can cause unconsciousness or death, particularly to small children.**
- **Never let children play in or around the vehicle.**
- **Never let anyone ride in the luggage compartment.**

WARNING

Unsecured or incorrectly stowed items can fly through the vehicle, causing serious personal injury during hard braking or sharp steering or in an accident. Loose items can also be struck and thrown through the passenger compartment by the front airbags if they inflate. To help reduce the risk of serious personal injury:

- **Always stow all objects securely in the vehicle. Always put luggage and heavy items in the luggage compartment.**
- **Always secure objects in the passenger compartment properly with suitable straps so that they cannot move into the deployment zone of a side or front airbag during sudden braking, in a sudden maneuver, or in a collision.**
- **Always keep storage compartments closed while driving.**
- **Never stow hard, heavy, or sharp objects in the vehicle's open storage compartments, on the shelf behind the rear seat bench, or on the top of the instrument panel.**
- **Always remove hard, heavy, or sharp objects from clothing and bags in the vehicle interior and stow them securely in the luggage compartment.**

WARNING

Transporting heavy objects causes the handling characteristics of the vehicle to change and increases braking distances. Heavy loads which are not properly stowed or secured in the vehicle can lead to a loss of vehicle control and cause serious personal injury.

- **Transporting heavy items causes the handling characteristics of the vehicle to change by shifting the vehicle's center of gravity.**
- **Always distribute luggage evenly and as low as possible within the vehicle. The vehicle capacity weight figures apply when the load is distributed evenly in the vehicle (passengers and luggage).**
- **Always stow luggage and heavy items in the luggage compartment as far forward of the rear axle as possible and secure them with appropriate straps to the tie-downs provided.**
- **Never exceed the vehicle's Gross Vehicle Weight Rating or Gross Axle Weight Ratings, which are printed on the Safety Compliance Certification Label located on the door jamb of the driver door. Exceeding the permissible weight can cause the vehicle to skid and behave differently.**
- **Always adapt your speed and driving style to accommodate your payload and its weight distribution within your vehicle.**
- **Be especially cautious and gentle when stepping on the accelerator pedal and avoid sudden braking and other maneuvers.**
- **Brake earlier than you would if you were not driving a loaded vehicle.**

NOTICE

The defroster heating wires or antenna in the rear window can be damaged by objects that rub against them.

The ventilation slots between the rear window and the shelf behind the rear seat backrest must not be blocked so that stale air can escape from the vehicle.

Folding the rear seat backrest forward and back into place

Fig. 83 On the left side of the luggage compartment: Release lever for the left-side rear seat backrest. The release lever for the right-side rear seat backrest is on the right side of the luggage compartment.

Fig. 84 Rear seat bench: Seat backrest folded down.

Please first read and note the introductory information and heed the WARNINGS ⚠

The rear seat backrest is divided into 2 sections. Each section of the rear seat backrest can be folded down individually to increase luggage space.

Folding the rear seat backrest forward

- Push the head restraint all the way down
- Open the luggage compartment lid
- Pull the release lever for the folded rear seat backrest ⇒ fig. 83 .
- Close the luggage compartment lid if open
- The rear seat backrest is released and can be folded forward.
- If the rear backrest is folded down, no one, including children, may ride on the rear seat.

Folding the rear seat backrest back into place

- Fold the rear seat backrest back until it engages securely ⇒ ⚠.
- The rear seat backrest must be securely latched into place for the safety belts on the rear seats to provide optimal protection.

WARNING

Improper folding and improper latching of the rear seat backrest can cause serious personal injury.

- **Always make sure there are no people or animals in the area around the rear seat backrest when folding it forward.**
- **Never fold the rear seat backrest forward or back while the vehicle is moving.**
- **When folding the rear seat backrest back up, make sure that the safety belt does not get caught or damaged.**
- **Keep hands, fingers, feet and other body parts out of the way when folding the rear seat backrest forward or back.**
- **Each rear seat backrest must be securely latched in the upright position so that the safety belts on the rear seats can provide protection. This is particularly the case for the middle seat on the rear seat bench.**
- **If a seat is used with an unsecured backrest, the passenger will move forward together with the rear seat backrest during sudden braking, driving maneuvers, or in a collision.**
- **No one, including children, may ride on the rear seats if the rear seat backrest is folded down or not correctly latched.**

NOTICE

Before folding the rear seat backrest forward, adjust the front seats so that the rear seat's head restraint or backrest cushion will not touch the front seats.

There is a separate release lever in the luggage compartment for each rear seat backrest section.

Luggage compartment pass-through

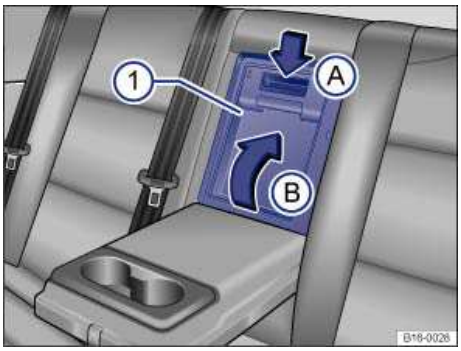

Fig. 85 In the rear backrest: Opening luggage compartment pass-through.

Please first read and note the introductory information and heed the WARNINGS

There may be a pass-through for transporting things like skis in the rear seat backrest behind the center armrest.

To help prevent soiling the vehicle interior, cover dirty items before sliding them into the pass-through.

If the center armrest is folded down, no one can sit on the middle seat of the rear bench.

Opening the pass-through

- Fold down the rear center armrest
- Push down the release button ⇒ fig. 85 (A) and fold the pass-through cover (1) down into the luggage compartment (B).
- Take the cover out of its bracket and bring it forward into the passenger compartment.
- Stow the cover securely in the luggage compartment.
- Slide long objects from the luggage compartment through the pass-through.
- Secure objects with the safety belt.
- Close the luggage compartment lid.

Closing the pass-through

- Working from the vehicle passenger compartment, guide the pass-through cover (1) into the luggage compartment and push the release button to engage it in its bracket.
- Pull the cover shut until it locks into place. Make sure it is securely locked into place.
- If necessary, fold the center armrest up.

Tie-downs

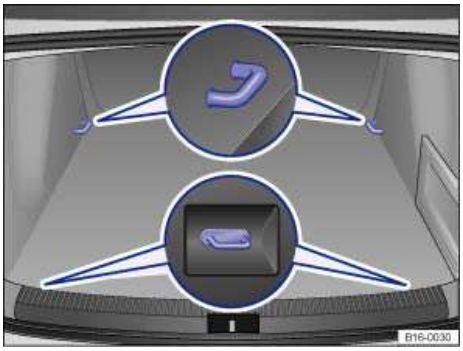

Fig. 86 In the luggage compartment: Tie-downs.

Please first read and note the introductory information and heed the WARNINGS ⚠

There are tie-downs in the front and rear of the luggage compartment, which you can use to secure luggage or other items ⇒ fig. 86 (arrows).

Elastic straps can snap back toward you if they are not properly attached ⇒ ⚠.

If you use elastic straps to secure items in the luggage compartment, be sure to fist securely attach them to the tie-downs just behind the rear seat backrest first and then to the tie-downs at the loading edge of the luggage compartment.

Remove the hooks from the tie-downs in the reverse order described above, first from the tie-downs at the loading edge and then from the tie-downs behind the rear seat backrest so that if the hooks come loose suddenly, they will move away from you.

WARNING

Unsuitable, worn, or damaged tie-down straps (elastic or non-elastic) can snap or come loose during braking or other maneuvers or in a collision. Objects secured with these straps can then come loose and fly through the passenger compartment, causing severe personal injuries or death.

- **To help prevent baggage or other items from coming loose and flying around, always use suitable undamaged tie-down straps.**
- **Securely fasten the tie-down straps to the tie-downs.**
- **Loose or improperly secured objects in the luggage compartment can slide about suddenly and change the vehicle's handling.**
- **Secure even small and light objects. Loose objects in the luggage or passenger compartment can fly about during sudden braking maneuvers or in the event of an accident and injure occupants.**
- **Never exceed the maximum allowable load on the tie-downs when securing objects.**
- **Never secure a child seat to the tie-downs.**

WARNING

Elastic straps have to be stretched when being attached to the tie-downs in the luggage compartment. Hooks on these straps can cause serious personal injury if not handled properly and attached securely.

- **Always protect eyes and face from injury from the hooks when attaching them to the tie-downs in the luggage compartment.**
- **Always hold the hooks on elastic straps firmly when attaching to the vehicle and do not let them snap back and hit you.**
- **First attach the hooks on the straps to the tie-downs at the rear seat backrest in the luggage compartment and then to the tie-downs near the loading edge of the luggage compartment. This way, if one of the hooks on the elastic straps snaps back, it will move away from you, decreasing the risk of personal injury.**

The maximum load for the tie-downs is about 785 lbs. (356 kg).

For suitable straps and luggage stowage systems, please see an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Roof rack

Introduction

In this section you'll find information about:

Attaching the roof rack base carrier and roof rack

Securing a load on the roof rack

The roof of your vehicle has been designed to optimize aerodynamics and does not have traditional rain gutters that are used to attach many kinds of roof racks.

Since the rain gutters are molded into the roof to provide efficient aerodynamics, only Volkswagen-approved base carrier mounts and roof racks can be used.

When should the roof rack be removed?

- When it is no longer needed.
- Before driving through an automatic car wash.
- When the vehicle would otherwise be too high for minimum clearance to enter, for example, a garage.

More information:

- Lights
- Transporting
- Saving fuel and helping the environment
- Tires and wheels
- Parts, accessories, repairs and modifications

WARNING

Transporting heavy or bulky loads on the roof rack will change the way the vehicle handles by shifting the vehicle's center of gravity and increasing the wind drag.

- **Always secure the load properly with suitable and undamaged straps so that the load will not shift.**
- **Cargo that is large, heavy, bulky, long or flat will have a negative effect on the vehicle's aerodynamics, center of gravity and overall handling.**
- **Always avoid sudden maneuvers and hard braking.**
- **Always adapt your speed and driving to the heavier load and the weight distribution in the vehicle. Take road, weather, traffic, and visibility conditions into account as well.**

NOTICE

- **Always remove the roof rack before driving through an automatic car wash.**
- **Your vehicle is higher when the roof rack is installed, especially when it is loaded. Compare the vehicle height with existing clearance heights, such as underpasses and garage doors.**
- **Always make sure that the roof rack system and anything being carried on it does not interfere with the roof antenna, the power sunroof or the luggage compartment lid.**
- **Make sure that the luggage compartment lid does not touch items on the roof rack when opened.**

If a roof rack is installed, fuel consumption increases due to increased air resistance.

Securing a load on the roof rack

Please first read and note the introductory information and heed the WARNINGS

It is not possible to secure a load unless the roof rack system has been properly installed ⇒.

Maximum permissible roof load

The maximum permissible roof load is **165 lbs. (75 kg)**. The roof load is the combined weight of the roof rack and the items being carried on the roof ⇒.

Be sure you know the weight of the roof rack and the items you want to transport on the roof. Weigh them if necessary. Never carry a total of more than the maximum permissible roof load.

When using a roof rack with a lower load limit, do not load the rack to the maximum weight mentioned above. In this case, you may only load the roof rack to the weight limit specified in the system's installation instructions.

Distributing the load

Distribute the load evenly and secure it properly ⇒.

Checking the mountings

After the base carrier and rook rack have been installed, check all bolts and fasteners after driving a short time and at regular intervals thereafter.

WARNING

If the maximum permissible roof load is exceeded, accidents and substantial vehicle damage may occur.

- **Never exceed the specified roof load, the maximum Gross Axle Weight Rating, or the Gross Vehicle Weight Rating.**
- **Do not exceed the loading capacity of the roof rack, even if the permissible roof load is not fully utilized.**
- **Always make sure that loads are evenly distributed and that heavier items are, as far as possible, toward the front.**

WARNING

Loose or improperly secured items can fall off the roof rack and cause accidents and injuries.

- **Always use suitable, undamaged tie-down ropes and ratchet straps.**
- **Secure the load properly.**

Trailer towing

Introduction

In this section you'll find information about:

Technical requirement
Hitching up and connecting a trailer
Loading the trailer
Driving with a trailer
Ball mount
Retrofitting a trailer hitch
Maximum permissible trailer weight

Obey country-specific requirements about trailer towing and trailer hitches.

Volkswagen does not recommend installing a trailer hitch on your vehicle. Your Volkswagen was mainly designed for carrying passengers. If you plan to tow a trailer, please remember your vehicle will be performing a job for which it was not primarily intended. The additional load will affect durability, handling, fuel economy, and performance, and may require the vehicle to be serviced more often.

Trailer towing not only places more stress on the vehicle, it calls for more concentration from the driver. Always follow the operating and driving instructions given, and use common sense.

Under winter conditions, install winter tires on the vehicle **and** the trailer.

Tongue weight

The *maximum* permissible trailer tongue weight exerted on the ball mount must not exceed **165 lbs (75 kg)**.

More information:

- Power locking and closing system
- Anti-theft alarm system
- Lights and vision
- Braking, stopping, and parking
- Saving fuel and helping the environment
- Starting assistance systems
- Tires and wheels
- Parts, accessories, repairs and modifications

WARNING

Riding in a trailer is dangerous and may be illegal.

WARNING

Improper use of the trailer hitch can cause accidents and injuries. An improperly installed, incorrect, or damaged trailer hitch can cause the trailer to separate from the towing vehicle and cause serious personal injuries.

- **Only use an undamaged, properly mounted trailer hitch.**
- **Never repair or modify the trailer hitch.**
- **To reduce the risk of injury in rear-end collisions, and the risk to pedestrians and cyclists when the vehicle is parked, always remove the ball mount when you are not towing a trailer.**
- **Never install a “weight distributing” or “load equalizing” trailer hitch on your vehicle. The vehicle was not designed for these kinds of trailer hitches. The trailer hitch attachment can fail, causing the trailer to tear loose from the vehicle.**

WARNING

Improper trailer towing can cause loss of vehicle control and serious personal injury.

- **Driving with a trailer and carrying heavy or large things can change the way the vehicle handles, increase the distance it needs to stop safely, and cause accidents.**
- **Always secure the load properly with suitable and undamaged straps so that the load will not shift.**
- **Always adapt your speed and driving to the heavier load and the weight distribution in the vehicle. Take road, weather, traffic, and visibility conditions into account as well.**
- **Reduce your speed even more than you otherwise would when going downhill and under unfavorable load, weather, or wind conditions.**
- **Trailers with a high center of gravity tip more easily than trailers with a low center of gravity.**
- **Always avoid sudden maneuvers and hard braking.**
- **Be especially careful when passing other vehicles.**
- **Reduce speed immediately if the trailer shows the slightest sign of swaying.**
- **Never try to stop the swaying by accelerating.**
- **Always obey speed limits. In some areas, the speed limits for vehicles towing trailers are lower than for vehicles without trailers. Never drive faster than 50 mph (80 km/h; under exceptional circumstances 60 mph - 100 km/h) when towing a trailer. This applies even if the local speed limit is higher.**

If you are driving a new vehicle or a vehicle with a new or rebuilt engine, do not tow a trailer during the break-in period, about 600 miles (1000 km)

If you tow a trailer, your vehicle may need maintenance more often because of the extra load it has to move.

When you are not towing, remove the trailer hitch ball. This helps keep the trailer hitch from causing damage to your vehicle and to others if your vehicle is hit from behind.

Some models need a trailer hitch to tow or tow-start other vehicles. You may want to always carry the ball mount in the vehicle after it has been removed. Be sure to stow it securely.

Technical requirements

Please first read and note the introductory information and heed the WARNINGS ⚠

Use only a weight-carrying trailer hitch designed and approved for the gross weight of the trailer you want to tow. The trailer hitch must be suitable for your vehicle and trailer and must be securely bolted to the appropriate place on the vehicle chassis. Use only a trailer hitch with a removable ball mount. Always check with the trailer hitch manufacturer to make sure that you are using the correct trailer hitch and carefully follow the hitch manufacturer's instructions. Never install a “weight-distributing” or “load-equalizing” trailer hitch on your vehicle. The vehicle is not designed for this kind of trailer hitch ⇒ ⚠.

Do not use a bumper-mounted trailer hitch

Never install a trailer hitch on the bumper or on the bumper attachments. The trailer hitch must not interfere with the impact-absorbing bumper system. Do not make any changes to the vehicle exhaust and brake systems. From time to time, check that all trailer hitch mounting bolts are securely fastened. When you are not towing, remove the trailer hitch. This helps keep the trailer hitch from causing damage if your vehicle is hit from behind.

Engine cooling system

Towing a trailer makes the engine and its cooling system work harder. It is important that the engine cooling system is up to the job. Make sure that the cooling system has enough coolant.

Trailer brakes

If your trailer has its own brakes, make sure it meets all regulations. The trailer brake system must never be directly connected to the vehicle's brake system.

Safety chains

Always use safety chains between your vehicle and the trailer

Trailer taillights

Trailer lights must meet all regulations

Never connect the trailer lights directly to the electrical system of your vehicle.

Outside mirrors

If you cannot see the traffic behind you using the regular outside mirrors, then you must install extended mirrors. Extended mirrors may also be required by law in some countries/states/provinces. Always adjust the outside mirrors before driving. It's vital that you always have a clear view to the rear of the vehicle.

Maximum power consumption for the trailer

Do not exceed the power ratings listed in the chart below.

Electrical load	Maximum power
Brake lights total	108 watts
Turn signals per side	54 watts
Side marker lights total	100 watts
Taillights total	54 watts

WARNING

- **An improperly installed or incorrect trailer hitch can cause a trailer to separate from the tow vehicle and cause serious personal injuries.**
- **If you don't have to tow a trailer any more, remove the entire trailer hitch. Always seal all bolt holes to prevent water and deadly exhaust fumes from getting into the vehicle.**

NOTICE

- **If the trailer lights are not connected properly, the vehicle's electronics may be damaged.**
- **If the trailer uses too much electricity, the vehicle's electronics may be damaged.**
- **Never connect the electrical system for the trailer directly to the electrical connections for the rear lights or to any other unsuitable power sources. Use only a suitable connector to provide power to the trailer.**

If you tow a trailer frequently, Volkswagen recommends having the vehicle serviced between the regular maintenance and inspection intervals because of the extra load it has to pull.

Hitching up and connecting a trailer

Please first read and note the introductory information and heed the WARNINGS

Safety chains

Always make sure that the safety chains are properly attached to the towing vehicle. Leave enough slack in the chains so that you can go around corners without stretching the chains. The safety chains must not drag on the ground, however.

Trailer taillights

Make sure that the trailer lights work properly and meet legal requirements. Do not exceed the maximum power consumption for the trailer

WARNING

Improper connections to the vehicle electrical system can cause malfunctions that affect the entire vehicle electrical system, which can lead to accidents and serious personal injury.

- **Have any work on the electrical system done by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Never connect the electrical system for the trailer directly to the electrical connections for the rear lights or to any other unsuitable power sources. Use only a suitable connector to provide power to the trailer.**

NOTICE

Never attach a trailer to the vehicle or leave it attached to the vehicle when the trailer is supported by a trailer jack or blocks. Various things (such as a change in trailer or vehicle load or a flat tire) can lower or raise the vehicle. This subjects the trailer hitch and the trailer to strong forces that can damage the vehicle or the trailer.

If the engine is switched off and accessories in the trailer are on and use electricity from the vehicle, the vehicle battery will be drained as long as the electrical systems of the vehicle and the trailer are connected.

Loading the trailer

Please first read and note the introductory information and heed the WARNINGS

Maximum permissible trailer weight and tongue weight

Maximum permissible trailer weight is the load that the vehicle can tow ⇒. The tongue load or tongue weight is the load pressing down on the trailer hitch ball mount

The maximum permissible trailer weight and tongue weight for your vehicle are listed in this Manual.

The trailer load and tongue weight on the type identification plate for the trailer hitch are only test values. The vehicle-specific figures are often *lower than* these values. In some countries, but generally not in the United States, the vehicle-specific figures are listed in the official vehicle documents. Specifications in official vehicle documents always take precedence.

To help ensure optimum handling and driving safety, Volkswagen recommends always using the maximum permissible **tongue weight**. If the tongue weight is too low, the vehicle and trailer will not handle as well.

Tongue weight increases the load on the rear axle and, in turn, reduces the remaining load your vehicle can carry, *Determining the correct load limit*.

Combined towing weight

Combined towing weight is the weight of the loaded towing vehicle plus the weight of the loaded trailer.

This vehicle has not been designed to tow a Class II trailer and must never be retrofitted to tow a Class II trailer. Always make sure that your vehicle has been designed to tow the trailer you want to use and that it is legal to tow the trailer where you will be driving.

Loading the trailer

The weight distribution in the vehicle and trailer must be balanced. Use the maximum permissible tongue weight and make sure that the load in the trailer is evenly distributed and that it is not front-heavy or tail-heavy:

- Distribute the load in the trailer so that heavy objects are directly above the axle or as close as possible to the axle.
- Secure loads properly on the trailer.

Tire pressure

Always follow the trailer manufacturer's tire pressure recommendations for the trailer tires.

When towing, inflate the towing vehicle's tires to the maximum permissible pressure listed on the tire pressure label

WARNING

Exceeding the gross weight ratings for axle, tongue, vehicle, trailer or combined weight can cause accidents and serious personal injury.

- **Never exceed the specified values.**
- **Never let the actual weights at the front and rear axles exceed the Gross Axle Weight Rating. Never let the combined front and rear weights exceed the Gross Vehicle Weight Rating.**

WARNING

Trailer loads that are not properly secured can shift when the vehicle is moving or braking and suddenly change the way the vehicle handles, causing accidents and severe injuries.

- **Always load the trailer properly.**
- **Always secure the load properly with suitable, undamaged straps that can be tightened so that the load cannot shift.**

Driving with a trailer

Please first read and note the introductory information and heed the WARNINGS

Headlight settings

Towing a trailer can raise the front end of the vehicle enough for the low beams to blind other road users. If your vehicle does not have headlight range adjustment, have the headlights adjusted by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Vehicles with Xenon headlights self-adjust to vehicle load and do not need manual adjustment.

Special towing considerations

- If the trailer has an **overrun brake**, apply the brakes *gently at first* and then firmly. This helps to prevent sudden brake shock and helps prevent trailer wheels from locking up.
- Due to the combined towing weight including the higher gross vehicle weight, the stopping distance is longer.
- Before driving downhill, especially on hills that are long or steep, shift into a lower gear (manual or automatic transmission) so that the engine helps to brake the vehicle. Otherwise, the brake system could overheat and might fail.
- The vehicle's center of gravity and, in turn, the vehicle's handling, will change because of the trailer load and the increased combined towing weight of the vehicle and trailer.
- Weight distribution is especially bad if the towing vehicle is empty and the trailer is loaded. If you absolutely must drive with this combination, drive with extra care and at a reduced speed.

Starting off with a trailer on hills

Depending on how steep the hill is and the combined towing weight, a parked vehicle with trailer can roll backwards when you first start moving.

When starting off with a trailer on a hill:

- Depress and hold the brake pedal (and depress and hold the clutch - manual transmission).
- Shift into first gear or Drive **D** , *Shifting*.
- Unlock the parking brake and gently release it while holding the unlock button. At the same time, release the brake pedal and gradually depress the accelerator and, for a manual transmission, let out the clutch until you can feel the car moving forward. If applicable, follow the instructions for the Hill Hold feature, *Starting assistance systems*.
- Do not release the parking brake lever until the engine starts to move the vehicle forward. If your vehicle has an automatic transmission, you can also depress and hold the brake pedal for added braking and then let up on the brake pedal when you feel that the vehicle “wants” to move forward.
- Drive ahead slowly.

WARNING

Improper trailer towing can cause loss of vehicle control and serious personal injury.

- **Driving with a trailer and carrying heavy or bulky items changes the way the vehicle handles and increases the distance it needs to stop safely.**
- **Always watch what is happening up ahead and around you. Brake earlier than you would if you were not towing a trailer.**
- **Always adapt your speed and driving to the heavier load and the weight distribution in the vehicle. Take road, weather, traffic, and visibility conditions into account as well.**
- **Reduce your speed even more than you otherwise would when going downhill and under unfavorable load, weather, or wind conditions.**
- **Drive especially carefully and accelerate gently. Always avoid sudden maneuvers and hard braking.**
- **Be especially careful when passing other vehicles.**
- **Reduce speed immediately if the trailer shows even the slightest sign of swaying.**
- **Never try to stop the swaying by accelerating.**
- **Always obey speed limits. In some areas speed limits for vehicles towing trailers are lower than for vehicles without trailers.**

Ball mount

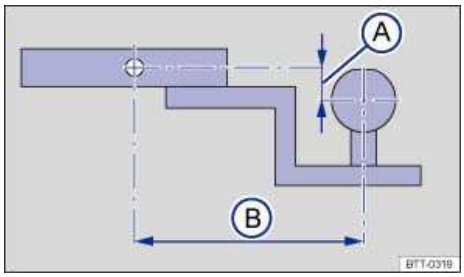

Fig. 88 Dimensions of the ball mount support.

Please first read and note the introductory information and heed the WARNINGS

Your vehicle is not equipped with a trailer hitch or preparations for the installation of a trailer hitch. If you must tow a trailer, you must have the necessary electrical wiring and socket together with a suitable trailer hitch installed. Because towing a trailer places a great deal of stress on the vehicle, the attachment of a trailer to the vehicle and the dimensions of the receiver and ball mount are very important so that the extra forces the vehicle has to withstand can be properly handled.

The receiver used requires both a ball mount and a ball that meet special requirements regarding geometry and size. This applies to both the height of the ball above the surface where it attaches ⇒ fig. 88 (A), and the pin-to-ball distance (B).

These dimensions are important because they help determine the way that the forces that arise during towing are applied to the receiver and its attachments to the vehicle. If you buy a ball mount and ball, make sure that they meet the following specifications.

Ball mount dimensions

- The drop height (A) from the center of the ball to the center of the hole for the securing pin on the ball mount must be at least 1 inch (25.4 mm) and at most $2^{7}/_{8}$ inches (73 mm).

- The pin-to-ball distance (B) from the center of the ball to the center of the hole for the securing pin on the ball mount must be no more than 7 inches (178 mm).
- The ball diameter must be no more than $1^1/_4$ inches (31.8 mm).

A ball mount and ball combination that does not meet these specifications can damage your vehicle and may even fail in use ⇒ ⚠.

Never install a “weight distributing” or “load equalizing” trailer hitch on your vehicle. The vehicle is not designed for this kind of trailer hitch ⇒ ⚠.

⚠ WARNING

An improperly installed or unsuitable trailer hitch can cause the trailer to separate from the towing vehicle and result in a major accident with serious personal injuries.

- **Have any trailer hitch retrofit or other work on a trailer hitch done by a qualified workshop.**

⚠ CAUTION

The ball mount sticks out behind the rear bumper and can cause injury to pedestrians and cyclists.

- **To reduce the risk of injury in rear-end collisions, and the risk to pedestrians and cyclists when the vehicle is parked, always remove the ball carrier when you are not towing a trailer.**

NOTICE

- **Never use a ball larger than $1^1/_4$ inches (32 mm) on your vehicle. The vehicle was not designed to tow heavier trailers with a receiver larger than the specified ball. The increased loads can damage the attachment points for the trailer hitch.**
- **Never use an adapter to increase the size of the trailer hitch receiver from $1^1/_4$ inches (32 mm) to 2 inches (50.8 mm) or more to tow a trailer that is heavier than the maximum permissible trailer weight that your vehicle can tow.**
- **You can use an adapter if required for the proper installation of a bicycle rack or other similar carrier as long as the maximum weight limits are observed. When using bicycle racks or similar carriers, make sure that the rear lights are not blocked.**
- **Only use trailer hitches that are approved by the hitch manufacturer for your vehicle and model.**

Retrofitting a trailer hitch

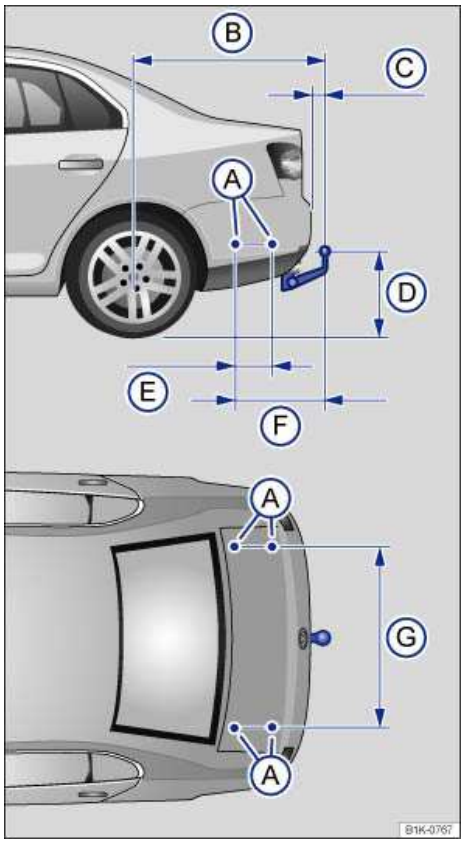

Fig. 89 Dimensions and attachment points for retrofitting a trailer hitch.

Please first read and note the introductory information and heed the WARNINGS ⚠

Volkswagen recommends having the trailer hitch retrofit performed by a qualified workshop because cooling system modifications or the installation of heat shields may be necessary. Volkswagen recommends that you see an authorized Volkswagen dealer or an authorized Volkswagen Service Facility before having a trailer hitch installed on your vehicle.

When retrofitting a trailer hitch, the specified distance dimensions must be strictly adhered to. Under no circumstances may the distance from the center of the hitch ball to the surface of the road ⇒ fig. 89 (D) be less than the specified minimum. This minimum height must be present even when the vehicle is fully loaded and subject to the maximum tongue weight.

Distance dimensions :

(A) Attachment points
(B) 46.2 inches (1173 mm)
(C) at least 2.8 inches (70 mm)
(D) 14.3 inches (364 mm)
(E) 10.6 inches (268 mm)

(F) 15.6 inches (396 mm)
(G) 40.9 inches (1040 mm)

WARNING

Improper or incorrect connections to the vehicle electrical system can cause malfunctions that affect the entire vehicle electrical system and cause accidents and serious personal injury.

- **Never connect the electrical system of the trailer directly to the electrical connections of the rear lights or other unsuitable power sources. Use only a suitable connector to provide power to the trailer.**
- **Have any trailer hitch retrofit or other work on a trailer hitch done by a qualified workshop.**

WARNING

An improperly installed or unsuitable trailer hitch can cause the trailer to separate from the towing vehicle and result in a major accident with serious personal injuries.

Maximum permissible trailer weight

Please first read and note the introductory information and heed the WARNINGS

Maximum power output (SAE net)	Engine code	Transmission	Trailer with brake	Trailer without brake	Tongue weight
200 hp (147 kW) gasoline engine	CBFA / CCTA	6S manual	1500 lbs (680 kg)	1500 lbs (680 kg)	200 lbs (91 kg)
		DSG® 6S automatic	1500 lbs (680 kg)	1500 lbs (680 kg)	200 lbs (91 kg)

The Gross Vehicle Weight Rating and the Gross Axle Weight Rating must not be exceeded, even with a trailer. These ratings are listed on the safety compliance label on the driver front door jamb 36. When a trailer is towed, the weight of the ball mount and the tongue weight of the trailer are added to the vehicle weight 272, *Determining the correct load limit*.

The trailer weight ratings given above are valid only up to altitudes of 3000 ft (1000 m) above sea level. The maximum permissible combined towing weight must be reduced by about 10% for every 3000 ft (1000 m), or portion thereof, of additional altitude.

WARNING

Exceeding the gross trailer weight rating and tongue weight can cause accidents and serious personal injury.

- **Never let the actual weights at the front and rear axles exceed the Gross Axle Weight Rating (GAWR). Never let the combined front and rear weights exceed the Gross Vehicle Weight Rating (GVWR).**

NOTICE

Exceeding the gross weight ratings can cause extensive vehicle damage that is not covered by any Volkswagen Limited Warranty.

Storage areas

Introduction

In this section you'll find information about:

Storage compartment in the driver door
Eyeglass storage compartment in the overhead console
Storage compartment in the front center console
Card holder in the front center console
Storage compartment in the front center armrest
Glove compartment
Glove compartment
Storage compartment in the rear center console
Other storage compartments

Store only lightweight or small objects in storage compartments.

Depending on options, a factory-installed **AUX-IN jack** and a 12 Volt socket may be located in the storage compartment in the center console.

A factory-installed **CD changer** may be in the storage compartment in the center armrest.

A **Media Device Interface (MDI)/(MEDIA-IN)** may be in the glove compartment.

More information:

- Passenger compartment
- Power locking and closing system
- Driver assistance systems
- Interior care and cleaning
- ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*

WARNING

Loose objects can be thrown around the inside of the vehicle when the vehicle is moving, especially during sudden maneuvers and hard braking. This can cause serious personal injuries and even make the driver lose control of the vehicle.

- **Never let animals ride in the vehicle's open storage compartments, on top of the instrument panel, or on the shelf behind the rear seat backrests.**
- **Never put hard, heavy or sharp objects in these places or in articles of clothing or bags in the passenger compartment.**
- **Always keep storage compartments closed while driving.**

WARNING

Objects in the driver footwell can prevent the pedals from moving freely. This can cause loss of vehicle control and increase the risk of serious personal injuries.

- **Always make sure that nothing can interfere with the pedals.**
- **Always fasten floor mats securely to the floor.**
- **Never put floor mats or other floor coverings on top of already installed floor mats.**
- **Always make sure that nothing can fall into the driver footwell while the vehicle is moving.**

NOTICE

- **The defroster heating wires or antenna in the rear window can be damaged by hard or sharp things on the shelf below the rear window.**
- **Do not keep any food, medicine, or other items sensitive to heat or cold in the vehicle. They can be damaged or made unusable by heat or cold.**
- **Things that are made of transparent materials (such as eyeglasses, magnifying glasses, or transparent suction cups on the windows) can magnify sunlight and damage the vehicle.**

The ventilation slots between the rear window and the shelf behind the rear seat backrest must not be blocked so that stale air can escape from the vehicle.

Storage compartment in the driver door

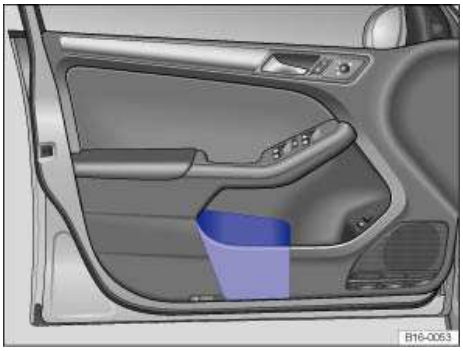

Fig. 90 In the driver door: Storage compartment.

Please first read and note the introductory information and heed the WARNINGS

There is a storage compartment in the driver door.

Eyeglass storage compartment in the overhead console

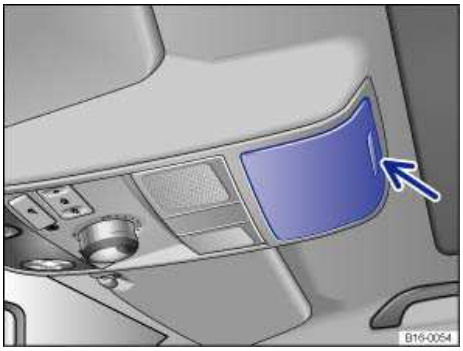

Fig. 91 In the overhead console: Storage compartment.

Please first read and note the introductory information and heed the WARNINGS

Your vehicle may have a storage compartment that can be used for storing eyeglasses or other light objects.

To *open*, briefly press and release the button ⇒ fig. 91 (arrow) on the storage compartment cover.

To *close*, push the lid up until it latches.

Storage compartment in the front center console

Fig. 92 In the front center console: Storage compartment.

Please first read and note the introductory information and heed the WARNINGS

There may be a 12 Volt socket or an AUX-IN jack ⇒ Booklet *Radio* or ⇒ Booklet *Navigation System* in the front center console storage compartment.

Card holder in the front center console

Fig. 93 In the front center console: Card holder.

Please first read and note the introductory information and heed the WARNINGS

The lower part of the front center console ⇒ fig. 93 may have a card holder to store coins, gas cards, parking receipts, or similar items.

To prevent theft and unauthorized use, do not use a card holder to store ATM cards or credit cards.

Storage compartment in the front center armrest

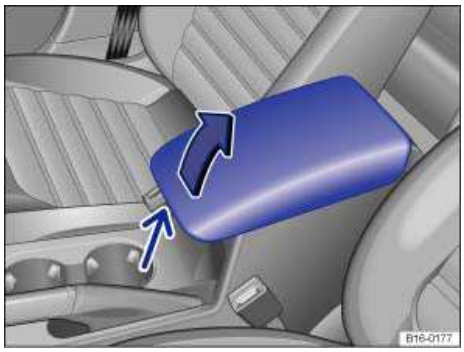

Fig. 94 In the front center armrest: Storage compartment.

Please first read and note the introductory information and heed the WARNINGS

Depending on equipment, your vehicle may have a storage compartment under the front center armrest.

To *open*, push the release button and lift up the center armrest as far as it will go in the direction of the arrow ⇒ fig. 94.

To *close*, put the center armrest down.

WARNING

The center armrest can restrict the driver's arm movement and cause crashes and serious personal injury.

- **Always keep storage compartments in the center armrest closed while driving.**

WARNING

Never let a passenger, especially a child, ride on the center armrest.

A phone holder for the mobile phone package may be in the upper section of the center armrest storage compartment ⇒ Booklet *Mobile Phone Package*.

Applicable only in the United States

Glove compartment

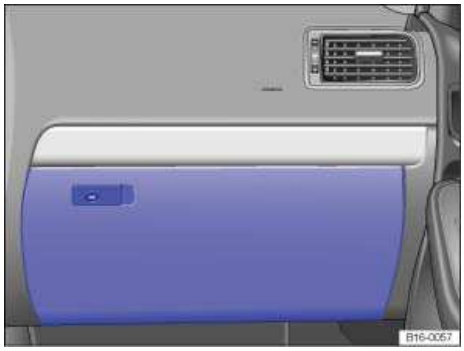

Fig. 95 On the passenger side: Glove compartment.

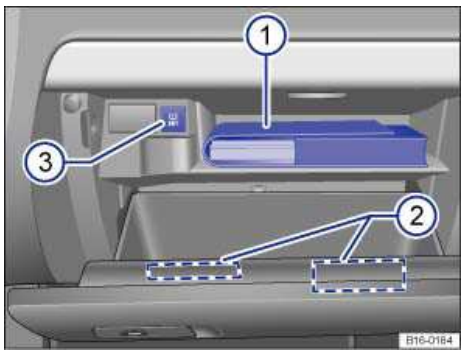

Fig. 96 Inside the glove compartment.

Please first read and note the introductory information and heed the WARNINGS

Key to ⇒ fig. 96:

(1) Owner's Manual in Owner's Manual slot
(2) Holders for pen and coins
(3) SET button for Tire Pressure Monitoring System (TPMS)

Opening and closing the glove compartment

If necessary, unlock the glove compartment. It is locked when the key slot is vertical.

To *open*, pull the handle ⇒ fig. 95.

To *close*, push the lid up.

Owner's Manual slot

The slot at the top of the glove compartment is designed to hold the Owner's Manual.

The Owner's Manual is in this glove compartment slot ⇒ fig. 96 (1).

Always keep the Owner's Manual in this slot.

Holders for pen and coins

There are holders for a pen and for coins in the glove compartment cover (2).

Button in the glove compartment

The Tire Pressure Monitoring System (TPMS) SET button (3) is also located in the glove compartment.

Cooling the glove compartment

There may also be an air vent in the back of the glove compartment. Cool air can be directed into the glove compartment if the air conditioner is on. Open or close the air vent by turning it.

WARNING

An open glove compartment door can increase the risk of serious injury during sudden braking or driving maneuvers or in a crash.

- **Always keep the glove compartment closed while the vehicle is moving.**

NOTICE

In some vehicle models, design considerations have made it necessary to have openings in the glove compartment behind the Owner's Manual slot, for example. Small items may fall through these openings and get behind the instrument panel. This can cause unusual noises and damage the vehicle. Never put any small objects in the glove compartment for this reason.

Depending on options, a factory-installed **Media Device Interface (MDI)/(MEDIA-IN)** may be located in the glove compartment ⇒ Booklet *Radio*, or ⇒ Booklet *Navigation system*.

Applicable only in Canada

Glove compartment

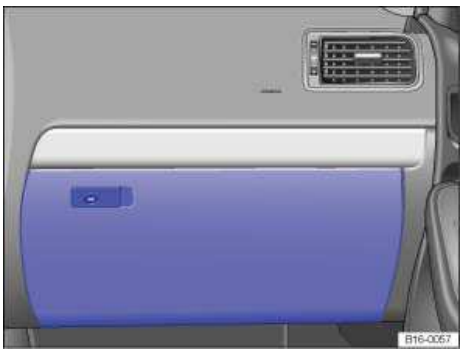

Fig. 97 On the passenger side: Glove compartment.

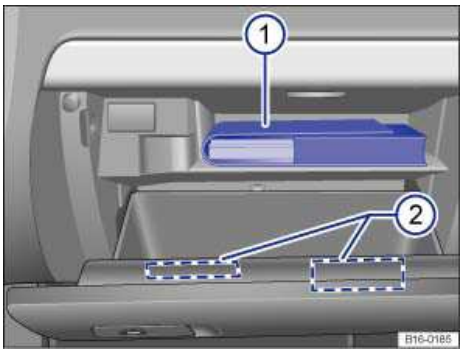

Fig. 98 Inside the glove compartment.

Please first read and note the introductory information and heed the WARNINGS ⚠

Key to ⇒ fig. 98:

(1) Owner's Manual in Owner's Manual slot

(2) Holders for pen and coins

Opening and closing the glove compartment

If necessary, unlock the glove compartment. It is locked when the key slot is vertical.

To *open*, pull the handle ⇒ fig. 97.

To *close*, push the lid up.

Owner's Manual slot

The slot at the top of the glove compartment is designed to hold the Owner's Manual.

The Owner's Manual is in this glove compartment slot ⇒ fig. 98 (1).

Always keep the Owner's Manual in this slot.

Holders for pen and coins

There are holders for a pen and for coins in the glove compartment cover (2).

Cooling the glove compartment

There may also be an air vent in the back of the glove compartment. Cool air can be directed into the glove compartment if the air conditioner is on. Open or close the air vent by turning it.

WARNING

An open glove compartment door can increase the risk of serious injury during sudden braking or driving maneuvers or in a crash.

- **Always keep the glove compartment closed while the vehicle is moving.**

NOTICE

In some vehicle models, design considerations have made it necessary to have openings in the glove compartment behind the Owner's Manual slot, for example. Small items may fall through these openings and get behind the instrument panel. This can cause unusual noises and damage the vehicle. Never put any small objects in the glove compartment for this reason.

Depending on options, a factory-installed **Media Device Interface (MDI)/(MEDIA-IN)** may be located in the glove compartment ⇒ Booklet *Radio*, or ⇒ Booklet *Navigation system*.

Storage compartment in the rear center console

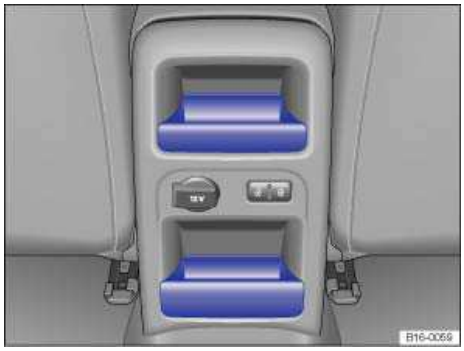

Fig. 99 In the rear center console: Storage compartment.

Please first read and note the introductory information and heed the WARNINGS

There may be storage compartments for stowing small objects ⇒ fig. 99 in the back of the center console.

Other storage compartments

Please first read and note the introductory information and heed the WARNINGS

Additional storage

- In the center console.
- In the door trim panels (front and rear).
- Pockets in the backrests of the front seats.
- Shelf behind the rear seat backrest – only for light clothing or similar objects that do not interfere with visibility to the rear!
- **Coat hooks** on the center door pillars and on the overhead grab handles in the rear.

WARNING

Clothes or other items on the shelf behind the rear seat backrest may limit visibility and cause accidents and severe personal injuries.

- **Always hang clothes so that they do not limit visibility.**
- **Always use the built-in coat hooks only for lightweight clothing. Never leave any heavy or sharp-edged items in the pockets that may interfere with airbag deployment and can cause personal injury in a collision.**

Cup holders

Introduction

In this section you'll find information about:

Cup holders in the front center console

Cup holders in the rear center armrest

Beverage bottle holders

There is a place for bottles in the open compartments in the driver and passenger doors ⇒ ⚠.

More information:

- Interior care and cleaning

WARNING

Improper use of beverage holders can cause injuries.

- **Never put hot drinks in the cup holders. During normal or sudden maneuvers, sudden braking or in a collision, hot liquid can be spilled and cause burns!**
- **Make certain that bottles or other items cannot fall into the driver's footwell while the vehicle is moving and interfere with the movement of the pedals.**
- **Never put heavy cups, food or other heavy items in the cup holders. Heavy items can fly through the passenger compartment in a crash and cause serious injury.**

WARNING

Hot or freezing temperatures in the passenger compartment can cause closed bottles to explode or break.

- **Never leave closed bottles in a very hot or cold vehicle.**

WARNING

Bottles and other things can fall into the driver's footwell and interfere with the pedals while driving.

- **Make sure that bottles cannot fall into the driver's footwell during driving to avoid obstructing the pedals.**

NOTICE

Never put open drinks in the cup holder when the vehicle is moving. The drinks can spill and damage the vehicle, including the electrical system.

Cup holders in the front center console

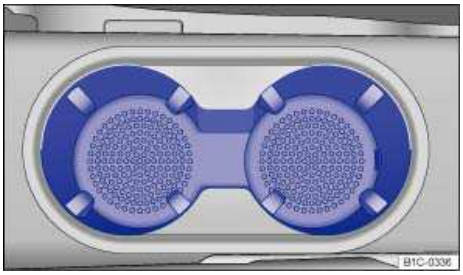

Fig. 100 In the front center console: Cup holders.

Please first read and note the introductory information and heed the WARNINGS

Place the drink in the cup holder ⇒fig. 100.

The front cup holder has inserts that can be removed for cleaning.

Cup holders in the rear center armrest

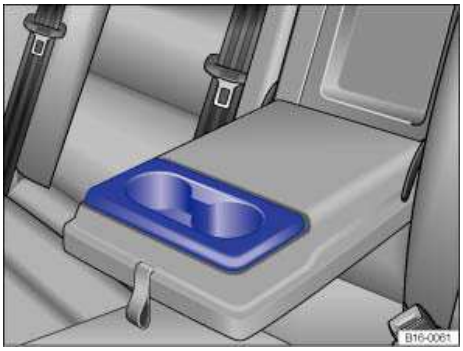

Fig. 101 Cup holders in the rear center armrest.

Please first read and note the introductory information and heed the WARNINGS

Your vehicle may be equipped with cup holders in the rear center armrest.

To *open*, fold the center armrest down.

To *close*, fold the center armrest up.

WARNING

Always keep the armrest folded up when the vehicle is moving to reduce the risk of injury.

- **Never let anybody, especially children, ride on the rear center armrest or in the center position on the rear seat when the armrest is folded down. An improper seating position can increase the risk of serious injury in a crash.**

12 Volt sockets

Introduction

In this section you'll find information about:

12 Volt sockets in the vehicle

Electrical devices can be connected to the vehicle 12 Volt sockets.

The connected devices must be in good working order.

More information:

- Parts, accessories, repairs and modifications
- Consumer information

WARNING

Improper use of electrical sockets and electrical devices may start a fire and cause severe personal injury.

- **Never leave children unattended in the vehicle. Sockets and connected devices can be used when the ignition is switched on.**
- **If the connected device gets warm, immediately switch it off and disconnect the power supply.**

NOTICE

- **To help prevent damage to the electrical system, never connect any accessories such as a solar panel or vehicle battery charger to a 12 Volt socket.**
- **Only use accessories which have been tested for electromagnetic compatibility with a motor vehicle.**
- **To help prevent damage from voltage fluctuations, switch off all electrical consumers connected to the 12 Volt socket before switching the ignition on or off or starting the engine.**
- **Never connect devices to a 12 Volt socket that draw more than the maximum wattage the socket can supply. Drawing too much power can damage the vehicle electrical system.**

Please turn off the engine when you stop for any length of time.

The vehicle battery will drain if you use electrical equipment when the engine is not running.

Unshielded devices may interfere with radio reception or the vehicle's electrical system.

Operating electrical devices near the windshield-integrated antenna may interfere with AM radio reception.

12 Volt sockets in the vehicle

Fig. 102 12 Volt socket.

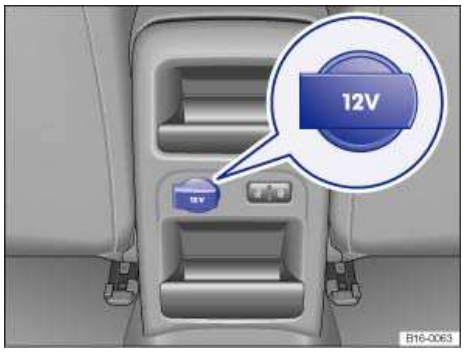

Fig. 103 In the center console: 12 Volt socket.

Please first read and note the introductory information and heed the WARNINGS ⚠

Maximum power draw

Socket	Maximum power draw
12 volts	120 watts

The maximum power draw at any one socket must never be exceeded. Electrical devices should have information on them that says how much power they draw.

If 2 or more electrical devices are connected at the same time, the total power draw of all connected devices must never be more than 190 watts ⇒ ⓘ.

12 Volt socket

The 12 Volt socket works only when the ignition is switched on.

If the ignition is on but the engine is not running, the vehicle battery will be drained by any device that is plugged in and turned on. For this reason, never use the electrical sockets unless the engine is running.

To help prevent damage from voltage fluctuations, switch off all electrical devices connected to a 12 Volt socket before switching the ignition on or off or starting the engine.

The vehicle may have 12 Volt sockets at the following places:

- In the storage compartment in the front center console ⇒ fig. 92.
- In the storage compartment in the rear center console ⇒ fig. 102.
- In the rear center console ⇒ fig. 103.
- In the luggage compartment.

NOTICE

- **Follow the manufacturer's instructions for connected devices!**
- **Never exceed the maximum power consumption, or the entire vehicle electrical system may be damaged.**
- **12 Volt socket:**
  - **Only use equipment that has been tested for electromagnetic compatibility and complies with applicable guidelines.**
  - **Never feed current into the socket, with a solar panel, for example.**

Unshielded devices may interfere with radio reception or the vehicle's electrical system.

Saving fuel and helping the environment

Introduction

In this section you'll find information about

Efficient driving style
Fuel-efficient driving

Fuel consumption, environmental impact, and wear and tear on engine, brakes and tires depend mainly on the following 3 factors:

- Your personal driving style.
- External conditions (weather, road conditions).
- Technical requirements.

You can reduce fuel consumption by up to 25% by using a few simple techniques and adjusting your driving style.

WARNING

Always adjust your speed and the distance you keep between you and the vehicles ahead of you to the road, traffic, weather, and visibility conditions.

Efficient driving style

Please first read and note the introductory information and heed the WARNINGS

Shifting faster

As a rule, the following applies: The higher gear is always the most efficient gear. The rule of thumb for most vehicles is to drive in 3rd gear at 20 mph (30 km/h), 4th gear at 25 mph (40 km/h), 5th gear at 30 mph (50 km/h), and 6th gear at 36 mph (60 km/h).

If traffic and driving conditions permit, "skipping" gears when upshifting also saves fuel.

Do not run the gears up to their limit. Use 1st gear only to start moving and then smoothly shift into 2nd gear. Avoid kick-downs in vehicles with automatic transmissions.

Vehicles with a gear indicator aid in fuel efficient driving by indicating the optimum time to shift gears.

Coasting

If you take your foot off the accelerator, fuel delivery to the engine is interrupted, which lowers fuel consumption.

Therefore, when nearing a red stop light, for instance, allow the vehicle to coast without using the accelerator. Press the clutch pedal and release it only if the vehicle moving too slowly or the coasting distance is too long. The engine will then continue to run at idle.

In situations where the vehicle will be stopped for a longer period of time, such as at a railroad crossing, physically switch off the engine.

Defensive driving and "flowing" with traffic

Frequent braking and acceleration increase fuel consumption significantly. Just by driving defensively and keeping a sufficiently large distance away from the vehicle in front of you can make up for the

speed fluctuations caused by taking your foot off the accelerator. Active braking and accelerating is then not necessarily required.

Calm and smooth driving

Consistency is more important than speed. The more smoothly you drive, the less fuel the vehicle consumes.

When driving on the highway or freeway, a constant, moderate speed is more efficient and economical than constantly accelerating and braking. Usually you can reach your destination just as quickly by driving at a moderate, but steady speed.

The cruise control system can assist in maintaining a uniform driving style.

Moderate use of extra electrical loads

Comfort inside the vehicle is nice and important, but it is important to use them in an environmentally conscious manner.

Some devices can increase fuel consumption when activated (examples):

- Climate control system (air conditioner): If the air conditioner has to produce starkly contrasting temperatures, it requires a large amount of energy, which is generated by the engine. The temperature in the vehicle should therefore not be extremely different from that of the outside temperature. It may be helpful to ventilate the vehicle before driving and then to drive a short distance with the windows open. After that, switch on the air conditioner with the windows closed. Keep the windows closed when driving at high speeds. Open windows increase fuel consumption.
- Switch off seat heating once it has served its purpose.
- Switch off the rear window defroster as soon as the windows are free of fog and ice.

Additional factors that increase fuel consumption (examples):

- Malfunctioning engine control.
- Driving in the mountains.
- Towing a trailer.

NOTICE

Never let the vehicle coast or roll down a hill in Neutral (N), especially when the engine is not running. The transmission will not be lubricated and will be damaged.

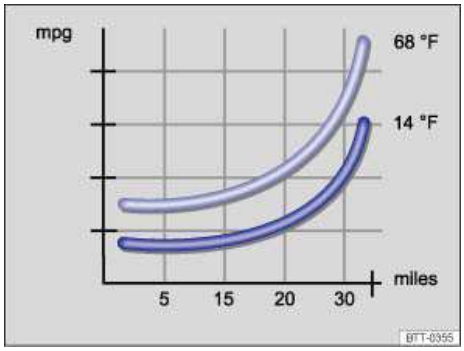

Fig. 117 Fuel consumption in mpg at 2 different outside air temperatures.

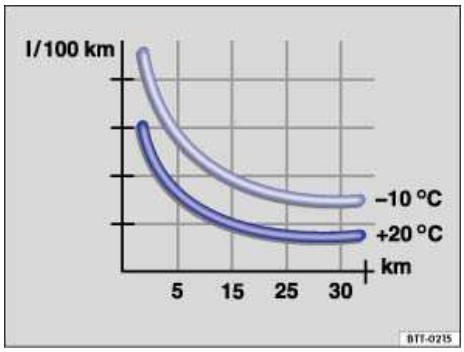

Fig. 118 Fuel consumption in l/100 km at 2 different outside air temperatures.

Please first read and note the introductory information and heed the WARNINGS ⚠

Driving defensively and economically can easily reduce fuel consumption by 10 to 15%.

The vehicle consumes the most fuel when accelerating. Defensive driving requires less braking and therefore less acceleration. If possible, coast the vehicle to a stop, for example, when you can see that the next traffic light is red or about to turn red.

Avoid traveling short distances

A cold engine consumes significantly more fuel immediately after starting. It takes a few miles (km) before the engine is warmed up and fuel consumption is stabilized.

To reduce fuel consumption and the emission of pollutants effectively, the engine and catalytic converter must reach their optimal **operating temperature**. Critical in this context is also the **outside air temperature**.

fig. 118 and display the varying fuel consumption rates for the same distance driven, once at +68 °F (+20 °C) and once at +14 °F (-10 °C).

Therefore, avoid driving short distances unnecessarily and consolidate routes.

Under the same conditions, the vehicle consumes more fuel in winter than in summer.

“Letting the engine run to warm up” is not only illegal in some places, but also technically not necessary and wastes fuel.

Adjust the tire pressure

The proper tire pressure helps reduce rolling resistance as well as fuel consumption.

When purchasing new tires, always make sure that the tires are optimized for lower rolling resistance.

Use low viscosity engine oil

Fully “synthetic,” low viscosity engine oils that expressly comply with Volkswagen oil quality standards reduce fuel consumption. Low viscosity engine oils reduce the frictional resistance on the engine and are distributed more evenly and quickly, particularly when cold-starting the engine. The effect is particularly apparent in vehicles that frequently travel short distances.

Always ensure the right engine oil level is maintained and keep to the scheduled service intervals (engine oil changes).

Make sure the engine oil that you purchase expressly complies with Volkswagen oil quality standards and is the oil approved by Volkswagen for your vehicle.

Avoid unnecessary weight

The lighter the vehicle, the more economical and eco-friendly it will be. For example, an extra 220 lbs (100 kg) of weight increases fuel consumption by up to 1 pint per 60 miles (0.3 l/100 km).

Remove all unnecessary items and unnecessary dead weight from the vehicle.

Remove unnecessary aftermarket components

The more aerodynamic the vehicle, the less fuel it will consume. Aftermarket components such as bicycle racks reduce its aerodynamic performance.

Therefore, remove unnecessary structures and unused rack systems, particularly if planning to drive at higher speeds.

Steering

Introduction

In this section you'll find information about:

Warning and indicator lights

Steering system information

The power steering system is not hydraulic, it is electro-mechanical. In both cases, the power steering works only when the engine is running.

The hydraulic power steering system uses hydraulic lines, hydraulic oil, a pump, a filter, and other parts to maintain a constant oil pressure in the hydraulic system.

The electro-mechanical power steering system automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. It delivers extra steering force only when you are actually turning the wheels. The electro-mechanical power steering works only when the engine is running.

More information:

- Starting and stopping the engine
- Vehicle battery
- Towing

WARNING

Turning the steering wheel is very hard when the power steering system is not working. This makes it harder to steer and control the vehicle.

- **Power steering works only when the engine is running.**
- **Never let the vehicle coast with the engine switched off.**
- **Never remove the key from the ignition switch while the vehicle is moving or rolling to a stop. The steering wheel will lock and you will be unable to control the vehicle.**

Warning and indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	Power steering malfunction.	**Stop!** Have the power steering system checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Lights up	Possible cause	Proper response
	Power steering assist is reduced.	Stop, restart the engine, and drive a short distance. If the yellow warning light does not come on again, you do **not** need to have the steering system checked. Otherwise, have the steering checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.
	Vehicle battery was disconnected and has been reconnected.	Drive a short distance at about 10–12 mph (15–20 km/h).

Flashes	Possible cause	Proper response
	Electronic steering column lock malfunction.	**Stop!** The ignition cannot be switched on. The vehicle must not be towed! Get professional assistance.
	Steering system stiff.	Turn the steering wheel back and forth.
	Steering column not locked/unlocked.	Switch the ignition off and then switch it on again. Heed any messages shown in the instrument cluster display, if applicable. On vehicles with Keyless Access, press the starter button briefly twice in a row without depressing the brake or clutch pedal. **Do not drive any farther** if the steering column remains locked after you switch on the ignition. Contact your authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Steering system information

Please first read and note the introductory information and heed the WARNINGS

To help make it more difficult to steal your vehicle, you should always make sure the steering column is locked before leaving the vehicle.

Electronic steering column lock

Vehicles with Keyless Access: The steering column is locked if the driver door is opened with the ignition switched off. The vehicle must be standing still and the transmission must be in Park **(P)** on an automatic transmission vehicle.

If the driver door is opened before the ignition is switched off, the electronic steering column lock is activated only after the vehicle has been locked with the vehicle key or via the sensor in the door handle.

Mechanical steering column lock

Vehicles without Keyless Access: The steering column is locked if the vehicle is stationary and the vehicle key is removed from the ignition switch.

Engaging the steering column lock	Disengaging the steering column lock
Parking the vehicle .	Turn the steering wheel slightly to take pressure off the steering column lock.
Remove the vehicle key.	Insert the vehicle key into the ignition switch.
Turn the steering wheel slightly until you hear the steering column lock engage.	Hold the steering wheel in this position and turn the ignition switch.

Power steering

Power steering automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. Power steering works only when the engine is running.

If power steering is reduced or lost completely, it will be much harder to steer and control the vehicle.

Counter-steering assistance

Counter-steering assistance is part of Electronic Stability Control (ESC). This feature makes it easier for the driver to control the vehicle in difficult situations. For example, if you have to brake hard on a surface that provides uneven traction, the vehicle could pull to the right or left. ESC detects this situation and helps the driver counter-steer with additional steering power ⇒ ⚠.

WARNING

The counter-steering assistance in ESC can do no more than help the driver steer in difficult situations. The driver must still control the vehicle. The vehicle does not steer by itself with this feature!

NOTICE

If the ignition is off, the steering column lock will engage and the vehicle cannot be steered. For this reason, you must leave the ignition on when going through an automatic car wash, for example, so that the wheels will still steer.

Shifting

Introduction

In this section you'll find information about:

Warning and indicator lights
Pedals
Manual transmission: Gearshift lever
Automatic transmission: Selector lever
Shifting with Tiptronic®
Driving with automatic transmission
Automatic transmission malfunction
Gear recommendation

Explanatory notes in this section regarding automatic transmissions also apply to the DSG® Direct Shift Gearbox automatic transmission.

When the ignition is switched on and the transmission is in Reverse (R):

- The backup lights come on.
- Climatronic switches automatically to air recirculation mode.

More information:

- Lower center console
- Instruments
- Braking, stopping and parking
- Climate control
- Engine control and emission control system
- Emergency closing and opening

WARNING

Rapid acceleration can cause skidding and loss of traction, especially on slippery roads, resulting in a loss of vehicle control, collisions, and serious personal injury.

- **Only use the kick-down feature or fast acceleration if visibility, weather, road, and traffic conditions permit and other drivers will not be endangered by your driving and the vehicle's acceleration.**

WARNING

Constant braking causes the brakes to overheat and even to fail leading to collisions and serious personal injury.

- **Never "ride" the brakes or apply the brake pedal too often or too long.**
- **Riding the brakes will substantially reduce braking performance, increase stopping distance, and can cause complete brake system failure.**

NOTICE

- **Never “ride” the brakes by keeping your foot on the brake pedal when you do not want to brake. This will make the brakes wear faster.**
- **Before driving downhill, especially on hills that are long or steep, always reduce speed and shift into lower gear (manual or automatic transmission). This will let the vehicle use engine braking and reduce the load on the brakes. Otherwise, the brake system could overheat and even fail. Only use the brakes when you need them to slow the vehicle down more or to stop.**

Warning and indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	DSG® transmission too hot.	**Do not continue driving!** Allow the transmission to cool with the selector lever in the **P** position. If the warning does not turn off, do not continue driving. See your authorized Volkswagen dealer for assistance. Otherwise, serious transmission damage could result
	Brake pedal not depressed.	Apply the brake pedal to select a drive gear

Flashes	Possible cause	Proper response
	The release button in the selector lever did not engage. Vehicle movement is prevented.	Engage selector lever release button
	Automatic transmission malfunction. blinks, alternating with the selector lever indicator, for example **D**.	Drive at low engine speed (rpm) to the nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility to have the system checked.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**
- **Whenever stalled or stopped for repair, move the vehicle a safe distance off the road, turn on the emergency flashers, stop the engine, and use other warning devices to warn approaching traffic.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Pedals

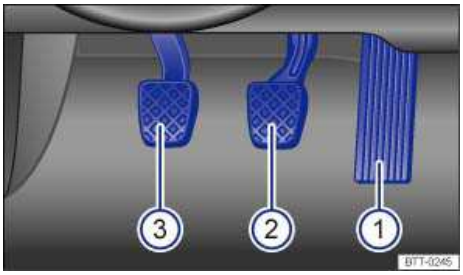

Fig. 107 Pedals in vehicles with manual transmission: 1 Accelerator pedal, 2 Brake pedal, 3 Clutch pedal.

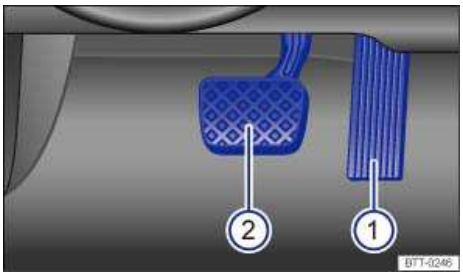

Fig. 108 Pedals in vehicles with automatic transmission: 1 Accelerator pedal, 2 Brake pedal.

Please first read and note the introductory information and heed the WARNINGS

All pedals must always be able to move freely in and out without interference from floor mats or other things.

Only use floor mats that leave the pedal area free and are held securely in place with floor mat fasteners to help prevent sliding.

If a brake circuit malfunctions, more brake pedal travel is needed to bring the vehicle to a full stop, and it is important that nothing is in the way when you have to depress the brake pedal harder and farther than normal.

WARNING

Objects in the driver footwell can prevent the pedals from moving freely. This can cause loss of vehicle control and increase the risk of serious personal injuries.

- **Always make sure that nothing can interfere with the pedals.**
- **Always fasten floor mats securely to the floor.**
- **Never put floor mats or other floor coverings on top of already installed floor mats.**
- **Always make sure that nothing can fall into the driver footwell while the vehicle is moving.**

NOTICE

Always make sure that the pedals are able to move freely and that nothing can interfere with them. If a brake circuit fails, more brake pedal travel will be needed to bring the vehicle to a stop. The brake pedal must be pressed farther and harder than normal.

Manual transmission: Gearshift lever

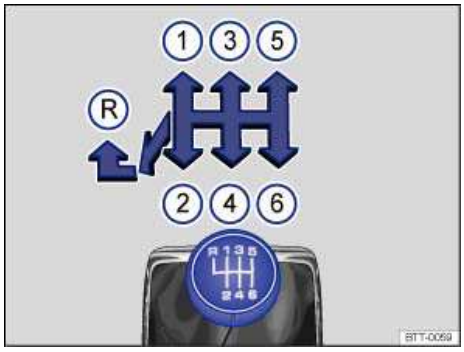

Fig. 109 Gearshift pattern of a 6-speed manual transmission.

Please first read and note the introductory information and heed the WARNINGS ⚠

The positions of the individual gears are shown on the gearshift lever ⇒ fig. 109.

- Depress the clutch pedal all the way and hold.
- Move the gearshift lever into the desired position ⇒ ⚠.
- Release the clutch pedal to engage the gear.

The clutch pedal must be fully depressed to start the engine.

Shifting into reverse

- Only shift to the reverse gear when the vehicle is not moving.
- Depress the clutch pedal fully and hold ⇒ ⚠.
- Move the gearshift lever to neutral and press down.
- Move the shift lever to the left and then push forward into the reverse gear position (R).
- Release the clutch pedal to engage the gear.

Downshifting

You should always downshift gear by gear when driving, meaning always into the next lowest gear. Do not downshift when the engine rpm (revolutions per minute) is too high ⇒ ⚠. At fast speeds or high engine rpm, skipping over one or more gears when downshifting can cause damage to the clutch and transmission, even if a gear is not engaged ⇒ ⓘ.

WARNING

Downshifting to a lower gear incorrectly can result in loss of vehicle control and can cause accidents and serious personal injuries.

WARNING

When the engine is running and a gear is engaged, the vehicle will start to move as soon as the clutch pedal is released, even when the parking brake is applied. This also applies when the parking brake is engaged.

- **Never shift into reverse when the vehicle is moving.**

NOTICE

Shifting down to a gear that is too low when driving at fast speeds or high engine rpm can cause extensive damage to the clutch and transmission. That is true even if the clutch pedal is pressed so that the clutch is not engaged.

NOTICE

To help prevent damage and premature wear:

- **Do not rest your hand on the gearshift lever while driving. Over time, the pressure will cause premature wear in the transmission.**
- **Make sure that the vehicle has come to a complete stop before shifting into reverse.**
- **Always depress the clutch pedal all the way when changing gears.**
- **Do not hold the vehicle on a hill using engine power with the clutch pedal partially engaged and the engine running.**

Automatic transmission: Selector lever

Fig. 110 Side view: Automatic transmission selector lever with shift lever release button (arrow).

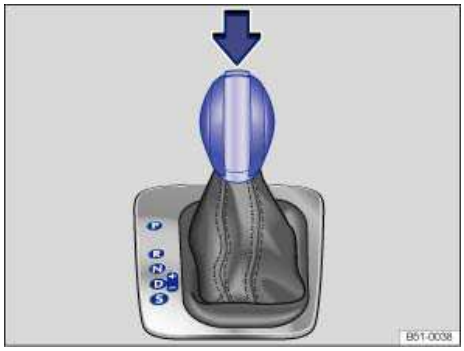

Fig. 111 Automatic transmission selector lever with shift lever release button (arrow).

Please first read and note the introductory information and heed the WARNINGS

Automatic transmission vehicles have an Automatic Shift Lock (ASL). With ASL, you must depress the brake pedal and hold it down while pressing the release button on the selector lever handle in the direction of the arrow ⇒fig. 110 or ⇒fig. 111 in order to move the selector lever out of Park **(P)** and into a drive gear. When the selector lever is in Neutral **(N)**, you also have to depress the brake pedal before you can move the selector lever to Drive **(D)**, Sport Drive **(S)**, or Reverse **(R)**.

If the ignition is switched on, either the current selector lever setting or the current gear is shown in the instrument cluster display.

Selector lever position	Designation	Meaning ⇒
P	**Park**	The drive wheels are mechanically locked. Select only when the vehicle is *not moving*. To change the selector lever position, switch on the ignition (if it is off) and then press the selector lever release button while holding down the brake pedal.
R	**Reverse**	The reverse gear is engaged. Shift into Reverse only when the vehicle is *not moving*.
N	**Neutral**	Transmission is in Neutral position. No power is transmitted to the wheels and no engine braking is available.
D	**Drive** (standard driving position)	All forward gears shift up and down automatically. The transmission shifts as needed depending on engine load, individual driving style, and vehicle speed.
S	**Sport Drive** (Sport driving position)	All forward gears automatically upshift *later* and downshift *earlier* than in the **D** (Drive) position, to take full advantage of the engine's power reserves. The transmission shifts as needed depending on engine load, individual driving style, and vehicle speed.

Automatic Shift Lock (ASL)

The Automatic Shift Lock (ASL) in Park **(P)** and Neutral **(N)** prevents drive positions from being engaged inadvertently, which would cause the vehicle to move.

To release the ASL, depress and hold the brake pedal with the ignition switched on. Press the release button on the selector lever at the same time.

The ASL is not engaged if the selector lever is moved quickly through Neutral **(N)** (e.g., when shifting from Reverse **(R)** to Drive **(D)**). This makes it possible to “rock” the vehicle backwards and forwards if it is stuck in snow or mud. The ASL engages automatically if the brake pedal is not depressed and the lever is in Neutral **(N)** for more than about 1 second and the vehicle is traveling no faster than about 3 mph (5 km/h).

In rare cases, the ASL may not engage on vehicles with DSG® Direct Shift Gearbox. If this happens, power to the drive wheels will be interrupted to prevent the vehicle from moving unexpectedly. The green indicator light k will blink and a text message will be displayed. To engage the Automatic Shift Lock (ASL):

- Depress and then release the brake pedal. Try to engage the ASL again.

WARNING

Moving the selector lever to the wrong position can cause loss of vehicle control, a collision, and serious personal injury.

- **Never accelerate when moving the selector lever.**
- **When the engine is running and a drive position is engaged, the vehicle will start to move as soon as the brake pedal is released.**
- **Never shift into Reverse or Park when the vehicle is moving.**

WARNING

Unintended vehicle movement can cause serious personal injury.

- **Never get out of the driver's seat while the engine is running, especially when the transmission is in a drive gear. If you must leave your vehicle while the engine is running, always set the parking brake and shift the transmission into Park (P).**
- **Never leave the vehicle in Neutral (N). It will roll down hills, whether the engine is running or not.**
- **When the engine is running and a drive gear - Drive (D), Sport Drive (S), or Reverse (R) - has been selected, press and hold the brake pedal to keep the vehicle from moving. The vehicle may “creep” and move forward or backward even if the engine is idling slowly.**
- **Never shift into Reverse (R) or Park (P) when the vehicle is moving.**

NOTICE

Even though the transmission is in Park (P), the vehicle may move a couple of inches (a few centimeters) forwards or backwards if you take your foot off the brake pedal after stopping the vehicle without first setting the parking brake.

If the selector lever is moved into Neutral **(N)** by mistake when the vehicle is moving, take your foot off the accelerator pedal. Wait until the engine speed has dropped to idle speed before moving the selector lever into a drive gear.

Leaving the selector lever for a long period of time in any position other than Park **(P)** when the ignition is switched off can drain the vehicle battery.

Shifting with Tiptronic®

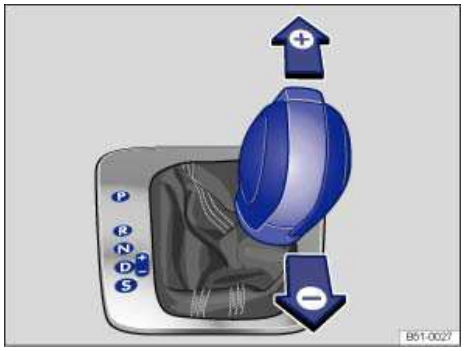

Fig. 112 Selector lever in Tiptronic position.

Fig. 113 Steering wheel with optional Tiptronic shift paddles.

Please first read and note the introductory information and heed the WARNINGS ⚠

Tiptronic lets you upshift and downshift manually with the automatic transmission. When Tiptronic mode is used, the transmission stays in the current gear and does not upshift or downshift automatically unless the transmission senses a situation where upshifting or downshifting is necessary to keep the engine from over- or under-revving.

Using Tiptronic with the selector lever

- Push the selector lever sideways to the right from Drive **(D)** position into the Tiptronic position ⇒ ⚠ in *Automatic transmission: Selector lever*
- Briefly push the selector lever forward (+) to upshift into a higher gear or backward (–) to downshift into a lower gear ⇒ fig. 112.

Using Tiptronic with the shift paddles behind the steering wheel

- The paddles ⇒ fig. 113 work when the selector lever is in the Tiptronic position or when the selector lever is in Drive **(D)** or Sport Drive **(S)**. You do not have to move the selector lever over to the right into the Tiptronic position.
- To upshift, pull the paddle + OFF on the right toward you.
- To downshift, pull the paddle – on the left toward you.

- To switch off Tiptronic mode, pull the paddle + OFF on the right toward you and hold it there for about 1 second.

Tiptronic will switch off automatically if the shift paddles have not been used for a while and the selector lever is not in the Tiptronic position.

NOTICE

- **During acceleration, the transmission will shift automatically into the next higher gear before reaching maximum engine speed (rpm).**
- **If you use Tiptronic to shift into a lower gear, the transmission will downshift only when doing so will not over-rev the engine.**

Driving with automatic transmission

Please first read and note the introductory information and heed the WARNINGS

All forward gears shift up and down automatically.

Driving on hills

The steeper the grade, the lower the gear that must be selected. Lower gears increase the braking effect of the engine. Never coast downhill in Neutral **(N)**.

- Reduce speed.
- Switch to Tiptronic mode by moving the selector lever from Drive **(D)** to the right into the Tiptronic position
- Downshift by pulling the selector lever back briefly (-).
- **OR:** Downshift using the paddles on the steering wheel

If you stop and start up again when going uphill, you should use Hill Hold as long as the engine is running.

Vehicles without Hill Hold: If you stop on a hill with the vehicle in gear, you must depress the brake pedal or engage the parking brake to keep the vehicle from rolling. Do not release the brake pedal or the parking brake until the vehicle has started to move forward ⇒.

Kick-down acceleration

The kick-down feature permits maximum acceleration when the selector lever is in the Drive **(D)**, Sport Drive **(S)** or Tiptronic mode.

If you push the accelerator all the way down, the vehicle will automatically downshift, depending on vehicle speed and engine speed (rpm). This feature lets you take advantage of the full acceleration capacity of the vehicle ⇒.

With kick-down actuated, the transmission will stay in the current gear longer and not upshift until the engine reaches maximum rpm.

Launch control program

The launch control program lets you take advantage of maximum acceleration from a standstill.

- Switch off Anti-Slip Regulation (ASR)
- Depress and hold the brake pedal with your left foot.
- Move the selector lever into Sport Drive **(S)** or Tiptronic position.
- With your right foot, depress the accelerator pedal until the engine reaches about 3200 rpm.
- Remove your left foot from the brake ⇒. The vehicle will accelerate from a stop at the maximum rate.

- Once you have accelerated, switch ASR back on again!

WARNING

Rapid acceleration can cause skidding and loss of traction, especially on slippery roads, resulting in a loss of vehicle control, collisions, and serious personal injury.

- **Only use the kick-down feature, Launch Control Program, or fast acceleration if visibility, weather, road, and traffic conditions permit and other drivers will not be endangered by your driving and the vehicle's acceleration.**
- **Always adapt your driving to the traffic flow.**
- **Note that the drive wheels can spin and the vehicle can swerve when ASR is switched off, especially when the road is slippery.**
- **Once you have accelerated, switch ASR back on again.**

NOTICE

- **When stopping on hills with the transmission in a drive gear, do not use the accelerator to help prevent the vehicle from rolling backwards. This can cause the automatic transmission to overheat and be damaged.**
- **Never let the vehicle coast or roll down a hill in Neutral (N), especially when the engine is not running. The transmission will not be lubricated and will be damaged.**

Automatic transmission malfunction

Please first read and note the introductory information and heed the WARNINGS

Emergency shift program

If all selector lever position indicators in the instrument cluster display are highlighted against a bright background, there is a system malfunction. The automatic transmission and the DSG automatic transmission will then operate in the emergency shift program. The emergency shift program lets you drive the vehicle, but at a reduced speed and without being able to use all of the forward gears.

In some cases, vehicles with a DSG® Direct Shift Gearbox automatic transmission may **not be able to shift into reverse**. It is then impossible to drive the vehicle backwards.

In any event, have the automatic transmission checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Overheating of Direct Shift Gearbox (DSG®) automatic transmission

The DSG® automatic transmission may overheat, for example, due to frequent starts, extended “creeping,” or stop-and-go traffic. Overheating is indicated by the warning light Á and, if applicable, by a text message in the instrument cluster. An additional warning chime may sound. Stop and let the transmission cool down ⇒.

The vehicle does not move forward or in reverse even though a drive position is selected with the selector lever

If the vehicle does not move in the desired direction, the system may not have engaged the drive position correctly. Press the brake pedal and select the drive position again.

If the vehicle still does not move in the desired direction, there is a system malfunction. See your authorized Volkswagen dealer or authorized Volkswagen Service Facility for assistance to have the system checked.

NOTICE

- **As soon as you get any of these warnings about transmission overheating, you must either park the vehicle in a safe place or drive faster than 12 mph (20 km/h).**
- **If the text message and acoustic warning repeat themselves every 10 seconds or so, you must park the vehicle in a safe place as soon as you can safely do so and stop the engine. Let the transmission cool down.**
- **To help prevent damage to the transmission, do not drive the vehicle again until the acoustic warning has stopped. As long as the engine is overheated, avoid stop and start driving and avoid low speeds ("walking pace").**

Gear recommendation

Please first read and note the introductory information and heed the WARNINGS

If your vehicle has a manual transmission, it may also be equipped with a gear recommendation feature. The gear recommendation displays a gear in the instrument cluster display that can help reduce fuel consumption.

Display	Meaning
●	The selected gear is optimal.
↑	Recommendation to shift into a higher gear.
↓	Recommendation to shift into a lower gear.

WARNING

The gear recommendation is only intended to assist the driver to select a gear for optimum fuel economy. The gear recommendation cannot take road and traffic conditions into account.

- **The driver is responsible for selecting the correct gear for the current driving conditions, such as when passing, when driving on hills or when towing a trailer.**

Selecting the optimal gear helps to reduce fuel consumption.

The gear recommendation display turns off when you press the clutch pedal.

Saving fuel and helping the environment

Introduction

In this section you'll find information about

Efficient driving style
Fuel-efficient driving

Fuel consumption, environmental impact, and wear and tear on engine, brakes and tires depend mainly on the following 3 factors:

- Your personal driving style.
- External conditions (weather, road conditions).
- Technical requirements.

You can reduce fuel consumption by up to 25% by using a few simple techniques and adjusting your driving style.

WARNING

Always adjust your speed and the distance you keep between you and the vehicles ahead of you to the road, traffic, weather, and visibility conditions.

Efficient driving style

Please first read and note the introductory information and heed the WARNINGS

Shifting faster

As a rule, the following applies: The higher gear is always the most efficient gear. The rule of thumb for most vehicles is to drive in 3rd gear at 20 mph (30 km/h), 4th gear at 25 mph (40 km/h), 5th gear at 30 mph (50 km/h), and 6th gear at 36 mph (60 km/h).

If traffic and driving conditions permit, "skipping" gears when upshifting also saves fuel.

Do not run the gears up to their limit. Use 1st gear only to start moving and then smoothly shift into 2nd gear. Avoid kick-downs in vehicles with automatic transmissions.

Vehicles with a gear indicator aid in fuel efficient driving by indicating the optimum time to shift gears.

Coasting

If you take your foot off the accelerator, fuel delivery to the engine is interrupted, which lowers fuel consumption.

Therefore, when nearing a red stop light, for instance, allow the vehicle to coast without using the accelerator. Press the clutch pedal and release it only if the vehicle moving too slowly or the coasting distance is too long. The engine will then continue to run at idle.

In situations where the vehicle will be stopped for a longer period of time, such as at a railroad crossing, physically switch off the engine.

Defensive driving and "flowing" with traffic

Frequent braking and acceleration increase fuel consumption significantly. Just by driving defensively and keeping a sufficiently large distance away from the vehicle in front of you can make up for the

speed fluctuations caused by taking your foot off the accelerator. Active braking and accelerating is then not necessarily required.

Calm and smooth driving

Consistency is more important than speed. The more smoothly you drive, the less fuel the vehicle consumes.

When driving on the highway or freeway, a constant, moderate speed is more efficient and economical than constantly accelerating and braking. Usually you can reach your destination just as quickly by driving at a moderate, but steady speed.

The cruise control system can assist in maintaining a uniform driving style.

Moderate use of extra electrical loads

Comfort inside the vehicle is nice and important, but it is important to use them in an environmentally conscious manner.

Some devices can increase fuel consumption when activated (examples):

- Climate control system (air conditioner): If the air conditioner has to produce starkly contrasting temperatures, it requires a large amount of energy, which is generated by the engine. The temperature in the vehicle should therefore not be extremely different from that of the outside temperature. It may be helpful to ventilate the vehicle before driving and then to drive a short distance with the windows open. After that, switch on the air conditioner with the windows closed. Keep the windows closed when driving at high speeds. Open windows increase fuel consumption.
- Switch off seat heating once it has served its purpose.
- Switch off the rear window defroster as soon as the windows are free of fog and ice.

Additional factors that increase fuel consumption (examples):

- Malfunctioning engine control.
- Driving in the mountains.
- Towing a trailer.

NOTICE

Never let the vehicle coast or roll down a hill in Neutral (N), especially when the engine is not running. The transmission will not be lubricated and will be damaged.

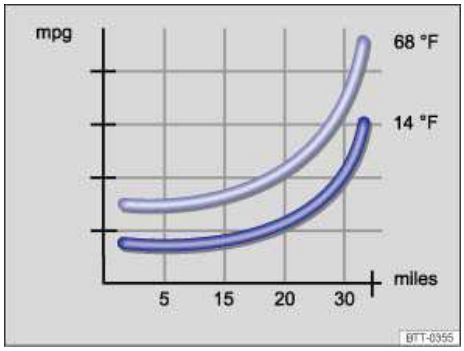

Fig. 117 Fuel consumption in mpg at 2 different outside air temperatures.

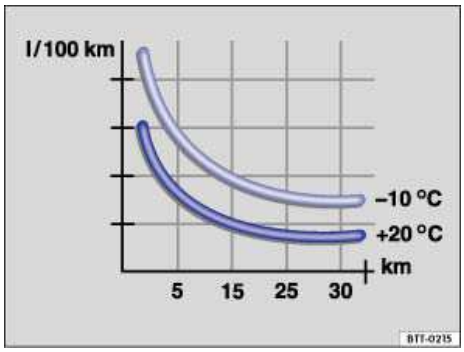

Fig. 118 Fuel consumption in l/100 km at 2 different outside air temperatures.

Please first read and note the introductory information and heed the WARNINGS ⚠

Driving defensively and economically can easily reduce fuel consumption by 10 to 15%.

The vehicle consumes the most fuel when accelerating. Defensive driving requires less braking and therefore less acceleration. If possible, coast the vehicle to a stop, for example, when you can see that the next traffic light is red or about to turn red.

Avoid traveling short distances

A cold engine consumes significantly more fuel immediately after starting. It takes a few miles (km) before the engine is warmed up and fuel consumption is stabilized.

To reduce fuel consumption and the emission of pollutants effectively, the engine and catalytic converter must reach their optimal **operating temperature**. Critical in this context is also the **outside air temperature**.

fig. 118 and display the varying fuel consumption rates for the same distance driven, once at +68 °F (+20 °C) and once at +14 °F (-10 °C).

Therefore, avoid driving short distances unnecessarily and consolidate routes.

Under the same conditions, the vehicle consumes more fuel in winter than in summer.

“Letting the engine run to warm up” is not only illegal in some places, but also technically not necessary and wastes fuel.

Adjust the tire pressure

The proper tire pressure helps reduce rolling resistance as well as fuel consumption.

When purchasing new tires, always make sure that the tires are optimized for lower rolling resistance.

Use low viscosity engine oil

Fully “synthetic,” low viscosity engine oils that expressly comply with Volkswagen oil quality standards reduce fuel consumption. Low viscosity engine oils reduce the frictional resistance on the engine and are distributed more evenly and quickly, particularly when cold-starting the engine. The effect is particularly apparent in vehicles that frequently travel short distances.

Always ensure the right engine oil level is maintained and keep to the scheduled service intervals (engine oil changes).

Make sure the engine oil that you purchase expressly complies with Volkswagen oil quality standards and is the oil approved by Volkswagen for your vehicle.

Avoid unnecessary weight

The lighter the vehicle, the more economical and eco-friendly it will be. For example, an extra 220 lbs (100 kg) of weight increases fuel consumption by up to 1 pint per 60 miles (0.3 l/100 km).

Remove all unnecessary items and unnecessary dead weight from the vehicle.

Remove unnecessary aftermarket components

The more aerodynamic the vehicle, the less fuel it will consume. Aftermarket components such as bicycle racks reduce its aerodynamic performance.

Therefore, remove unnecessary structures and unused rack systems, particularly if planning to drive at higher speeds.

Steering

Introduction

In this section you’ll find information about:

Warning and indicator lights

Steering system information

The power steering system is not hydraulic, it is electro-mechanical. In both cases, the power steering works only when the engine is running.

The hydraulic power steering system uses hydraulic lines, hydraulic oil, a pump, a filter, and other parts to maintain a constant oil pressure in the hydraulic system.

The electro-mechanical power steering system automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. It delivers extra steering force only when you are actually turning the wheels. The electro-mechanical power steering works only when the engine is running.

More information:

- Starting and stopping the engine
- Vehicle battery
- Towing

WARNING

Turning the steering wheel is very hard when the power steering system is not working. This makes it harder to steer and control the vehicle.

- **Power steering works only when the engine is running.**
- **Never let the vehicle coast with the engine switched off.**
- **Never remove the key from the ignition switch while the vehicle is moving or rolling to a stop. The steering wheel will lock and you will be unable to control the vehicle.**

Warning and indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	Power steering malfunction.	**Stop!** Have the power steering system checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.
	Power steering assist is reduced.	Stop, restart the engine, and drive a short distance. If the yellow warning light does not come on again, you do **not** need to have the steering system checked. Otherwise, have the steering checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.
	Vehicle battery was disconnected and has been reconnected.	Drive a short distance at about 10–12 mph (15–20 km/h).

Flashes	Possible cause	Proper response
	Electronic steering column lock malfunction.	**Stop!** The ignition cannot be switched on. The vehicle must not be towed! Get professional assistance.
	Steering system stiff.	Turn the steering wheel back and forth.
	Steering column not locked/unlocked.	Switch the ignition off and then switch it on again. Heed any messages shown in the instrument cluster display, if applicable. On vehicles with Keyless Access, press the starter button briefly twice in a row without depressing the brake or clutch pedal. **Do not drive any farther** if the steering column remains locked after you switch on the ignition. Contact your authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Steering system information

Please first read and note the introductory information and heed the WARNINGS

To help make it more difficult to steal your vehicle, you should always make sure the steering column is locked before leaving the vehicle.

Electronic steering column lock

Vehicles with Keyless Access: The steering column is locked if the driver door is opened with the ignition switched off. The vehicle must be standing still and the transmission must be in Park **(P)** on an automatic transmission vehicle.

If the driver door is opened before the ignition is switched off, the electronic steering column lock is activated only after the vehicle has been locked with the vehicle key or via the sensor in the door handle.

Mechanical steering column lock

Vehicles without Keyless Access: The steering column is locked if the vehicle is stationary and the vehicle key is removed from the ignition switch.

Engaging the steering column lock	Disengaging the steering column lock
Parking the vehicle .	Turn the steering wheel slightly to take pressure off the steering column lock.
Remove the vehicle key.	Insert the vehicle key into the ignition switch.
Turn the steering wheel slightly until you hear the steering column lock engage.	Hold the steering wheel in this position and turn the ignition switch.

Power steering

Power steering automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. Power steering works only when the engine is running.

If power steering is reduced or lost completely, it will be much harder to steer and control the vehicle.

Counter-steering assistance

Counter-steering assistance is part of Electronic Stability Control (ESC). This feature makes it easier for the driver to control the vehicle in difficult situations. For example, if you have to brake hard on a surface that provides uneven traction, the vehicle could pull to the right or left. ESC detects this situation and helps the driver counter-steer with additional steering power ⇒ ⚠.

WARNING

The counter-steering assistance in ESC can do no more than help the driver steer in difficult situations. The driver must still control the vehicle. The vehicle does not steer by itself with this feature!

NOTICE

If the ignition is off, the steering column lock will engage and the vehicle cannot be steered. For this reason, you must leave the ignition on when going through an automatic car wash, for example, so that the wheels will still steer.

Steering

Introduction

In this section you'll find information about:

Warning and indicator lights

Steering system information

The power steering system is not hydraulic, it is electro-mechanical. In both cases, the power steering works only when the engine is running.

The hydraulic power steering system uses hydraulic lines, hydraulic oil, a pump, a filter, and other parts to maintain a constant oil pressure in the hydraulic system.

The electro-mechanical power steering system automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. It delivers extra steering force only when you are actually turning the wheels. The electro-mechanical power steering works only when the engine is running.

More information:

- Starting and stopping the engine
- Vehicle battery
- Towing

WARNING

Turning the steering wheel is very hard when the power steering system is not working. This makes it harder to steer and control the vehicle.

- **Power steering works only when the engine is running.**
- **Never let the vehicle coast with the engine switched off.**
- **Never remove the key from the ignition switch while the vehicle is moving or rolling to a stop. The steering wheel will lock and you will be unable to control the vehicle.**

Warning and indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	Power steering malfunction.	**Stop!** Have the power steering system checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Lights up	Possible cause	Proper response
	Power steering assist is reduced.	Stop, restart the engine, and drive a short distance. If the yellow warning light does not come on again, you do **not** need to have the steering system checked. Otherwise, have the steering checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.
	Vehicle battery was disconnected and has been reconnected.	Drive a short distance at about 10–12 mph (15–20 km/h).

Flashes	Possible cause	Proper response
	Electronic steering column lock malfunction.	**Stop!** The ignition cannot be switched on. The vehicle must not be towed! Get professional assistance.
	Steering system stiff.	Turn the steering wheel back and forth.
	Steering column not locked/unlocked.	Switch the ignition off and then switch it on again. Heed any messages shown in the instrument cluster display, if applicable. On vehicles with Keyless Access, press the starter button briefly twice in a row without depressing the brake or clutch pedal. **Do not drive any farther** if the steering column remains locked after you switch on the ignition. Contact your authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Steering system information

Please first read and note the introductory information and heed the WARNINGS

To help make it more difficult to steal your vehicle, you should always make sure the steering column is locked before leaving the vehicle.

Electronic steering column lock

Vehicles with Keyless Access: The steering column is locked if the driver door is opened with the ignition switched off. The vehicle must be standing still and the transmission must be in Park **(P)** on an automatic transmission vehicle.

If the driver door is opened before the ignition is switched off, the electronic steering column lock is activated only after the vehicle has been locked with the vehicle key or via the sensor in the door handle.

Mechanical steering column lock

Vehicles without Keyless Access: The steering column is locked if the vehicle is stationary and the vehicle key is removed from the ignition switch.

Engaging the steering column lock	Disengaging the steering column lock
Parking the vehicle .	Turn the steering wheel slightly to take pressure off the steering column lock.
Remove the vehicle key.	Insert the vehicle key into the ignition switch.
Turn the steering wheel slightly until you hear the steering column lock engage.	Hold the steering wheel in this position and turn the ignition switch.

Power steering

Power steering automatically adjusts to driving speed, steering torque, and the steering angle of the wheels. Power steering works only when the engine is running.

If power steering is reduced or lost completely, it will be much harder to steer and control the vehicle.

Counter-steering assistance

Counter-steering assistance is part of Electronic Stability Control (ESC). This feature makes it easier for the driver to control the vehicle in difficult situations. For example, if you have to brake hard on a surface that provides uneven traction, the vehicle could pull to the right or left. ESC detects this situation and helps the driver counter-steer with additional steering power ⇒ ⚠.

WARNING

The counter-steering assistance in ESC can do no more than help the driver steer in difficult situations. The driver must still control the vehicle. The vehicle does not steer by itself with this feature!

NOTICE

If the ignition is off, the steering column lock will engage and the vehicle cannot be steered. For this reason, you must leave the ignition on when going through an automatic car wash, for example, so that the wheels will still steer.

Starting assistance systems

Introduction

In this section you'll find information about:

Hill Hold

More information:

- Volkswagen Information System
- Braking, stopping and parking
- Vehicle battery
- Tires and wheels
- Parts, accessories, repairs and modifications
- Jump-starting

WARNING

The intelligent technology of the dynamic starting assistance features cannot overcome the laws of physics. Never let the increased convenience provided by the dynamic starting assistance features tempt you into taking risks.

- **Unintended vehicle movement can cause serious personal injury.**
- **The dynamic starting assistance features are no substitute for careful and attentive driving.**
- **Always adapt your speed and driving style to visibility, weather, road, and traffic conditions.**
- **The dynamic starting assistance features cannot keep the vehicle from moving in all hill-start situations (for example, if the ground is slippery or icy).**
- **Never activate the throttle manually from the engine compartment when the engine is running and the automatic transmission is in gear. The vehicle will start to move as soon as the engine speed increases, even if the parking brake is set.**

WARNING

Driving with too little fuel in the fuel tank increases the risk of stalling, especially when driving up and down hills.

- **If your vehicle stalls suddenly, this can cause an accident and serious personal injuries.**
- **Driver assistance and braking assistance systems can malfunction when there is too little fuel in the tank and cause you to lose control of the vehicle.**
- **Never drive until the fuel tank is almost empty.**

Hill Hold

Please first read and note the introductory information and heed the WARNINGS

Hill Hold helps keep the vehicle from rolling backwards when starting out on a hill, for example after stopping at a traffic light. You don't have to apply and release the parking brake while depressing the

accelerator. For Hill Hold to work, the engine must be running and the vehicle must be in First Gear or Reverse (manual transmission) or in Drive **(D)**, Sport Drive **(S)**, or Reverse **(R)** (automatic transmission) and you must use the foot brake to hold the vehicle before starting to move.

Hill Hold keeps the brake applied for not quite 2 seconds with the same force you used to prevent the vehicle from moving. This gives you time to take your foot off the brake, let the clutch out on a manual transmission vehicle, and gently depress the accelerator to get the vehicle moving again. If you do not depress the accelerator pedal and get the vehicle moving again within this time, the brakes will release and the vehicle will roll downhill. Furthermore, if any requirement for engaging Hill Hold is no longer met while the vehicle is stopped, Hill Hold disengages and the brakes are automatically released and will no longer hold the vehicle.

Hill Hold is activated automatically when the following conditions are all met at the same time.

Points 1 to 3 must all be met at the same time:

Step	Manual transmission	Automatic transmission
1.	Hold the **stopped** vehicle on an incline with the foot or parking brake.	
2.	The engine must be running “smoothly.”	
3.	A manual transmission vehicle must be in 1st gear **(1)** if headed up a hill or in Reverse **(R)** if backing up a hill; you must hold the clutch down and the foot brake must be depressed to keep the vehicle from moving.	An automatic transmission vehicle must be in Reverse **(R)**, Drive **(D)**, or Sport Drive **(S)** and the foot brake must be depressed to keep the vehicle from moving.
4.	To drive off, take your foot off the brake pedal as you let the clutch out and gently depress the accelerator within 2 seconds.	To drive off, take your foot off the brake pedal and gently depress the accelerator within 2 seconds.

Hill Hold is immediately deactivated:

- If any requirement listed in the table above is no longer met (see, *Hill Hold is activated automatically when the following conditions are all met at the same time.*).
- If the engine is not running smoothly or the engine malfunctions.
- If the engine stalls or is switched off.
- *Automatic transmission vehicles:* If the transmission is in Neutral **(N)**.
- *Automatic transmission vehicles:* If a tire does not have enough road contact (such as when the vehicle is tipped or at an angle).

WARNING

The intelligent technology of Hill Hold cannot overcome the laws of physics. Never let the increased convenience provided by Hill Hold tempt you into taking risks.

- **The Hill Hold feature cannot hold the vehicle in all hill start situations (for example, if the surface is icy or slippery).**
- **Hill Hold can only help keep the vehicle from moving for less than 2 seconds. After that, the brakes will be released and the vehicle can roll down the hill.**

Rear Assist

Introduction

In this section you'll find information about:

Operation instructions
Parking

There is a camera in the luggage compartment lid to assist the driver while backing up or maneuvering. The camera image is shown together with the orientation lines projected by the system on the screen of the factory-installed radio or navigation system.

Rear Assist may take a few seconds to bring up the camera image.

More information and warnings:

- Exterior views
- Accessories, replacement parts, repairs and modifications
- ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*

WARNING

Rear Assist is not able to give you a clear and undistorted view of all areas behind the vehicle.

- **The camera has blind spots in which it cannot detect people and objects.**
- **Always be careful and look around you when parking. The camera cannot show people, animals, and objects in certain situations. Watch out for small children and animals in particular.**
- **Due to the screen resolution or in low-light conditions, the camera may not pick up thin posts, chain-link fences and similar fences, and other objects, or it may not show them clearly.**
- **The camera lens enlarges and distorts the field of vision and causes objects on the screen to appear altered and imprecise.**
- **Always keep the camera lens clean and free of snow and ice; do not cover the lens.**

WARNING

Rear Assist technology cannot overcome the laws of physics and the limits of the system. Careless or unintentional use of Rear Assist may result in accidents and severe injuries.

- **Always adjust your speed and driving style to road, traffic, weather, and visibility conditions.**
- **Always keep an eye on the parking direction and the vehicle surroundings. The front of the vehicle swings out more than the rear of the vehicle.**
- **Never pay so much attention to the graphics shown on the screen that you fail to notice what is going on around you.**
- **Always watch for people, especially small children, animals, and objects, because the camera may not always be able to detect them.**
- **The system may not be able to clearly show everything behind the vehicle.**
- **Use Rear Assist only when the luggage compartment lid is completely closed.**

NOTICE

- **The camera shows only two-dimensional images on the screen. Due to the lack of depth of field, it may be difficult or impossible to identify protruding objects or recesses in the road, for example.**
- **Things like thin rods, fences, posts, and trees may not be detected by the camera and could damage the vehicle.**

Operation instructions

Fig. 119 In the luggage compartment lid: Location of the Rear Assist camera.

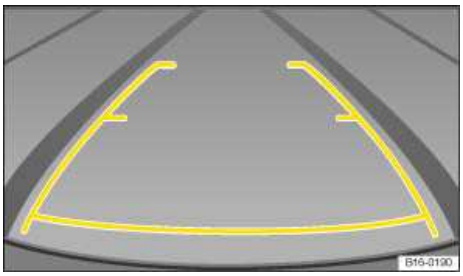

Fig. 120 Rear Assist display.

Please first read and note the introductory information and heed the WARNINGS

In order to	Operation
Automatically activate display:	Shift into Reverse when the ignition is switched on or the engine is running.
Manually deactivate display:	Press a function selection button on the radio or the navigation system ⇒ Booklet *Radio* or ⇒ Booklet *Navigation system*. **OR:** Switch off the ignition. The Rear Assist display turns off after a few seconds.
Switch off display by shifting out of Reverse:	The camera display switches off.

In order to	Operation
Deactivate display by driving forward:	Drive forward faster than about 10 mph (15 km/h).

Special considerations

1) Do not use Rear Assist in the following situations:

– When an incorrect or unclear image is displayed, such as when there is poor visibility or the lens is dirty.

– If the area behind the vehicle cannot be seen clearly or completely.

– If the rear of the vehicle is heavily loaded.

– When the luggage compartment lid is open.

– If the driver is not familiar with the system.

– If the position or angle of the camera has changed, such as after a rear-end collision. Have the system checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

2) Examples of optical distortion by the camera

The Rear Assist camera displays only two-dimensional images. Recesses and protruding objects on the ground or protruding parts on other vehicles are difficult or impossible to identify due to the lack of depth of field.

Objects or another vehicle may seem closer or farther away on the screen than they really are:

– When driving from a level surface onto an upward or downward slope.

– When driving up or down a slope onto a level surface.

– If the rear of the vehicle is heavily loaded.

– When approaching protruding objects. These objects can disappear from the field of view when backing up.

Cleaning the camera lens

Keep the camera lens clean and free of snow and ice:

- Engage the parking brake.
- Switch on the ignition.
- Select the reverse gear.
- Wet the camera lens with a commercially available alcohol-based glass cleaner and clean with a dry cloth ⇒ ⓘ.
- Remove snow with a brush.
- Remove ice with deicer spray ⇒ ⓘ.

NOTICE

- **Never use abrasive cleaning agents to clean the camera lens.**
- **Never remove snow or ice on the camera lens with warm or hot water. This can damage the camera lens.**

Volkswagen recommends practicing parking with Rear Assist in a safe place with little or no traffic or in a parking lot under good visibility and weather conditions in order to familiarize yourself with the system, the orientation lines and the way they work.

Rear Assist does not work when the luggage compartment lid is open.

Parking

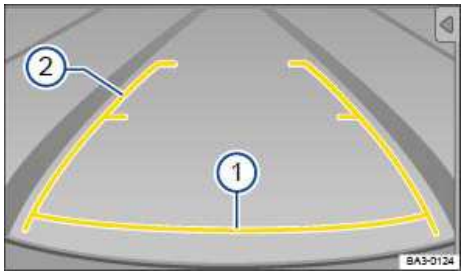

Fig. 121 On the screen: Static orientation lines for the parking space behind the vehicle.

Please first read and note the introductory information and heed the WARNINGS

Orientation lines overview

The yellow area displayed stops about 2 yards (meters) behind the vehicle on the road.

Meaning of the orientation lines on the screen[5] ⇒ fig. 121.

(1) Safety distance: area up to about 16 inches (40 cm) behind the vehicle on the road.

(2) Projection of the vehicle (widened somewhat) toward the rear. The middle markers are about 40 inches (1 meter) behind the vehicle on the road.

Parking

- Position the vehicle in front of a parking space and shift into Reverse.
- Slowly back up and steer so that the yellow orientation lines lead into the parking space (2).
- Align the vehicle in the parking place so that the yellow orientation lines are parallel with the parking space.

[5] All distances of the orientation lines refer to a vehicle that is on a level surface.

Cruise Control System (CCS)

Introduction

In this section you'll find information about:

Indicator lights

Indicator lights

Cruise control operation

The Cruise Control System (CCS) helps maintain an individually stored constant speed when driving above about 15 mph (20 km/h).

The CCS slows down the vehicle only by reducing the flow of fuel to the engine, not by braking ⇒ ⚠.

More information:

- Shifting gears
- Parts, accessories, repairs and modifications

⚠ WARNING

Using the cruise control when it is not possible to drive safely at a constant speed can be dangerous and can lead to an accident and serious personal injuries.

- **Never use cruise control when driving in heavy or varying traffic or when you cannot keep a safe distance between you and the vehicles ahead of you.**
- **Never use cruise control on steep, winding, or slippery roads (such gravel roads, wet roads, or snowy or icy roads) or on roads with standing water.**
- **Never use cruise control when driving off-road or on unpaved roads.**
- **Always adjust your speed and the distance you keep between you and the vehicles ahead of you to the road, traffic, weather, and visibility conditions.**
- **To help prevent unintended operation of cruise control, switch the system off when it is not being used.**
- **It is dangerous to use the Resume feature when the previously set speed is too high for the existing road, traffic, or weather conditions.**
- **When going downhill, the cruise control may not be able to maintain a constant speed. The vehicle will speed up because of its own weight. Downshift and/or use the foot brake to slow the vehicle.**

Applicable only in the United States

Indicator lights

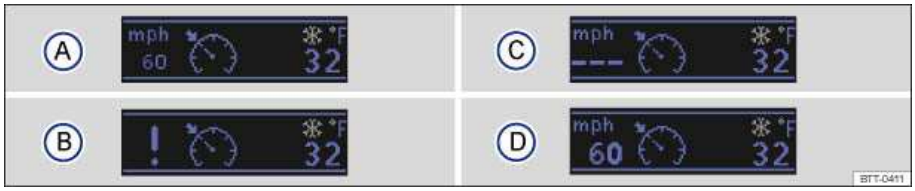

Fig. 122 In the instrument cluster display: Cruise control status indications.

Please first read and note the introductory information and heed the WARNINGS

Display

Different cruise control versions are available. The stored speed is shown in the instrument cluster display on some equipment versions.

Status fig. 122

(A) Cruise control temporarily deactivated. Stored speed in small numbers.

(B) System malfunction. See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

(C) Cruise control activated. No speed stored in memory.

(D) Cruise control is active. Stored speed in large numbers.

Indicator lights

Lights up	Possible cause
CRUISE	Cruise control is regulating the speed.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Applicable only in Canada

Indicator lights

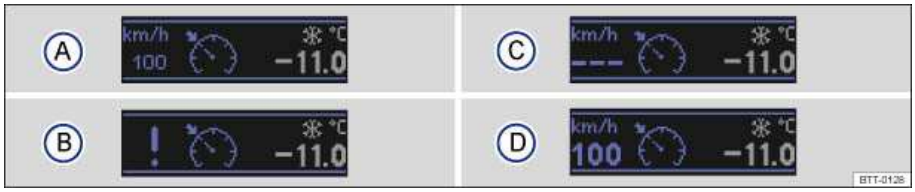

Fig. 123 In the instrument cluster display: Cruise control status indications.

Please first read and note the introductory information and heed the WARNINGS

Display

Different cruise control versions are available. The stored speed is shown in the instrument cluster display on some equipment versions.

Status ⇒ fig. 123

(A) Cruise control temporarily deactivated. Stored speed in small numbers.

(B) System malfunction. See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

(C) Cruise control activated. No speed stored in memory.

(D) Cruise control is active. Stored speed in large numbers.

Indicator lights

Lights up	Possible cause
	Cruise control is regulating the speed.
CRUISE	

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Cruise control operation

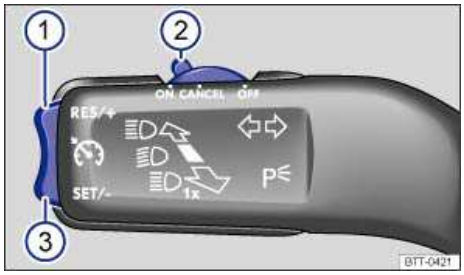

Fig. 124 On the left side of the steering column: Cruise control buttons and switches.

Please first read and note the introductory information and heed the WARNINGS

In order to:	You must: ⇒ fig. 124	Result:
Switch on cruise control.	Move switch (2) to ON position.	System is switched on, but does not regulate vehicle speed until a speed is set.
Set cruise control to current vehicle speed.	Press button (3) **SET/–**.	Current vehicle speed is set; cruise control helps to maintain this speed.
Temporarily deactivate cruise control.	Move switch (2) to the CANCEL position. **OR:** depress the brake or clutch pedal.	Cruise control is temporarily deactivated. The speed is still stored in the memory.
Resume speed stored in cruise control.	Press button (1) **RES/+**	Cruise control resumes speed previously set.
Increase set speed (while cruise control is actively controlling vehicle speed).	Press button (1) **RES/+** *briefly* to increase the set speed in small steps of 1 mph (1 km/h) each.	The vehicle will accelerate until the new higher speed is reached and saves the new higher speed in the memory.
	Press *and hold* button (1) **RES/+** to increase the set speed until the higher desired speed is reached and button is released.	
Reduce set speed (while cruise control is actively controlling vehicle speed).	Press button (3) **SET/–**. *briefly* to reduce the set speed in small steps of 1 mph (1 km/h) each.	Cruise control will slow the vehicle down *without braking* by reducing the flow of fuel to the engine until the new lower speed is reached and saves the new lower speed in the memory.
	Press *and hold* button (3) **SET/–**. to reduce the set speed until the lower desired speed is reached and the button is released.	
Switch off cruise control.	Move switch (2) to OFF position.	System is switched off. The set speed is deleted.

Driving downhill with cruise control

If cruise control cannot maintain constant speed while driving downhill, slow the vehicle with the foot brake and downshift if necessary.

Automatic deactivation

Cruise control speed regulation is automatically deactivated or temporarily interrupted:

- If the system detects an error that could affect the function of the cruise control.
- If the vehicle has accelerated and goes faster than the stored speed for a longer time.
- If the brake or clutch pedal is depressed.
- If the vehicle shifts gear (manual transmission).
- If an airbag deploys.

Tire Pressure Monitoring System (TPMS)

Applicable only in the United States

Introduction

In this section you'll find information about:

Indicator light (telltale)

Tire Pressure Monitoring System (TPMS) and recalibration with the SET button

Your vehicle's Tire Pressure Monitoring System (TPMS) uses the Anti-lock Brake System (ABS) sensors to indirectly check the tire pressure of all 4 tires while you are driving. The sensors monitor the tread circumference (rolling circumference) and vibration characteristics of the individual tires. TPMS warns if there is a significant loss of pressure in one or more tires while the vehicle is moving.

Pressure loss is signaled by the indicator light (described below) as well as by acoustic warnings and text warnings in the instrument cluster display if your vehicle has this display (Multi-Function Indicator - MFI).

The original benchmark pressure is the recommended maximum load cold tire inflation pressure for the tires that come with your vehicle. This pressure is listed on the tire pressure label on the driver door jamb. After adjusting the tire pressures in all 4 tires, you must confirm and store the new cold inflation pressures by pressing the SET button, which changes the benchmark pressure to match the current pressure of the tires on your vehicle

Recalibrating the TPMS to reset the benchmark cold tire inflation pressure with proper use of the SET button is explained below

More information:

- Volkswagen Information System
- Transporting
- Braking, stopping and parking
- Exterior care and cleaning
- Tires and wheels
- Parts, accessories, repairs and modifications
- Consumer Information

WARNING

Incorrect tire pressures and/or underinflation can cause sudden tire failure, loss of control, collision, serious personal injury or even death.

- **When the warning symbol appears in the instrument cluster, stop and inspect the tires.**
- **Incorrect tire pressure and/or underinflation can cause increased tire wear and can affect the handling of the vehicle and stopping ability.**
- **Incorrect tire pressures and/or underinflation can also lead to sudden tire failure, including a blowout and sudden deflation, causing loss of vehicle control.**
- **The driver is responsible for the correct tire pressures for all tires on the vehicle. The recommended tire pressure values are listed on a sticker inside the driver door 259.**
- **The TPMS can only work correctly when all tires on the vehicle are filled to the correct cold tire inflation pressure.**
- **Using incorrect tire pressure values can cause accidents or other damage. Always inflate the tires to the correct specified cold tire pressure values for the tires installed on the vehicle.**
- **Always maintain correct cold tire inflation pressure so that TPMS can do its job.**
- **Always inflate tires to the recommended and correct tire pressure before driving off.**
- **Driving with underinflated tires causes them to flex (bend) more, letting them get too hot, resulting in tread separation, sudden tire failure, and loss of control.**
- **Excessive speed and/overloading can cause heat build-up, sudden tire failure and loss of control.**
- **If the tire pressure is too low or too high, the tires will wear prematurely and the vehicle will not handle well.**
- **If the tire is not "flat" and you do not have to change a wheel immediately, drive carefully and at reduced speed to the nearest service station to check the tire pressure and add air as required.**
- **When replacing tires or wheel rims on vehicles equipped with TPMS always read and heed the information and all WARNINGS regarding, *Tires and wheels*.**
- **The Tire Pressure Monitoring System must be recalibrated using the SET button whenever you remove and remount or change any wheel or tire on the vehicle, even if the reinstalled or replacement wheels and tires are identical to those that were removed and even if the tire pressure does not change**

WARNING

Improper use of the SET button can cause the TPMS to give false warnings or to give no warning despite dangerously low tire pressure

Underinflation increases fuel consumption and tire wear.

Do not rely solely on the Tire Pressure Monitoring System. Check your tires regularly to make sure they are properly inflated and have no signs of damage, such as punctures, cuts, cracks, and blisters. Remove any objects that become embedded in the tire tread but have not penetrated into the body of tire itself.

When you take delivery of the vehicle, the Tire Pressure Monitoring System is calibrated for the factory-recommended cold tire inflation pressure for the tires on your vehicle, as shown on the label inside the driver door

- The system must be recalibrated using the SET button whenever you remove and remount or change any wheel or tire on the vehicle, even if the reinstalled or replacement wheels and tires are

identical to those that were removed and even if the tire pressure does not change **Error! Bookmark not defined.**.

- If you have to adjust the tire pressure on a warm tire, fill the tire with 2.0 - 4.35 psi (20 - 30 kPa) more than the pressure specified on the tire pressure label inside the driver door 259.
- If the TPMS determines that the air pressure in at least one tire is too low, carefully check the pressure in all 4 tires with an accurate tire pressure gauge. Low tire pressure usually cannot be determined by looking at the tire. This is especially true of low-profile tires.

If you have work done on your wheels or tires, inform the workshop that the vehicle is equipped with a Tire Pressure Monitoring System (TPMS).

New tires may expand slightly the first time they are driven at high speeds, which can trigger a tire pressure warning. Remember that tire pressure can only be properly measured when the tire is “cold”

Only replace old tires with tires that have been approved by Volkswagen for your vehicle type.

Applicable only in the United States

Indicator light (telltale)

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause or meaning ⇒	Proper response
	Lights up and a chime may also sound. The inflation pressure of one or more tires is significantly lower than the benchmark pressure set by the driver or a tire has structural damage. Depending on vehicle equipment, a message may also appear in the instrument cluster display.	**Stop safely as soon as possible!** Reduce speed immediately! Avoid fast cornering and hard braking! Check the condition and inflation pressure of all tires. Have damaged tires replaced.

Flashes	Possible cause or meaning ⇒	Proper response
	Flashes for about 70 seconds and then stays on: System malfunction.	Check and, if necessary, adjust the tire inflation pressure in all 4 tires. If the tire pressure is correct, switch the ignition off and back on. If the indicator light flashes again and then stays on or does not go out after checking and adjusting the air pressure in all 4 tires and pressing the SET button, take the vehicle to an authorized Volkswagen dealer or an authorized Volkswagen Service Facility. Have the system checked.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Incorrect tire pressures and/or underinflation can cause sudden tire failure, loss of control, collision, serious personal injury, or even death.

- **When the warning symbol (!) appears in the instrument cluster, stop the vehicle as soon as it is safe to do so and inspect all tires.**
- **Incorrect tire pressure and/or underinflation can cause increased tire wear and can affect the handling of the vehicle and its stopping ability.**
- **Incorrect tire pressure and/or underinflation can also lead to sudden tire failure, including a blowout and sudden deflation, causing loss of vehicle control.**
- **The driver is responsible for the correct tire pressures for all tires on the vehicle. The recommended tire pressure values are listed on a sticker inside the driver door .**
- **The TPMS can only work correctly when all tires on the vehicle are filled to the correct cold tire inflation pressure. Always maintain the correct cold tire inflation pressure so that TPMS can do its job.**
- **Using incorrect tire pressure values can cause accidents or other damage. Check the pressure in all 4 tires when the tires are still cold. Never reduce air pressure in warm tires to match cold tire inflation pressure.**
- **Always inflate the tires to the correct specified cold tire pressure values for the tires installed on the vehicle; see the tire inflation pressure label on the driver door jamb, *Tires and wheels*.**
- **Always inflate tires to the recommended and correct tire pressure before driving off.**
- **Driving with underinflated tires causes them to flex (bend) more, letting them get too hot, which can result in tread separation, sudden tire failure, and loss of control.**
- **Excessive speed and/or overloading can cause heat build-up, sudden tire failure, and loss of control.**
- **If the tire pressure is too low or too high, the tires will wear prematurely and the vehicle will not handle well.**
- **If the tire is not “flat” and you do not have to change the tire or wheel immediately, drive at reduced speed to the nearest service station to check the tire pressure and add air as required.**
- **When replacing tires or wheel rims on vehicles equipped with TPMS, always read and heed the information and all WARNINGS in the section , *Tires and wheels*.**
- **The Tire Pressure Monitoring System must be recalibrated using the SET button whenever you remove and remount or change any wheel or tire on the vehicle, even if the reinstalled or replacement wheels and tires are identical to those that were removed and even if the tire pressure does not change.**

WARNING

Improper use of the SET button can cause the TPMS to give false warnings or to give no warning despite dangerously low tire pressure

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

If the ignition is switched on, an acoustic warning sounds when low tire pressure is detected. If a system malfunction is detected, no acoustic warning sounds.

Driving for a longer period of time on rough roads or with a dynamic and sporty style can make the TPMS system temporarily unavailable. The indicator light will come on, signaling a malfunction, but will go out again once the road condition or driving style changes.

Applicable only in the United States

Heating and air conditioning

Applicable only in the United States

Introduction

In this section you'll find information about:

Manual AC controls, version 1
Manual AC controls, version 2
Climatronic controls
Air conditioner operation
Air conditioner operation
Air vents
Air recirculation

Manual air conditioning (AC) and Climatronic

Your vehicle is equipped with either a manual AC climate control system or a Climatronic climate control system.

On vehicles with Climatronic climate control, Climatronic information appears in the Climatronic display and/or on the screen of the factory-installed Radio system or Radio & Navigation system.

The temperature units (Fahrenheit or Celsius) in the factory-installed Radio system or Radio & Navigation system screen can be changed in the **Settings** menu in the instrument cluster display in appropriately equipped vehicles.

The dust and pollen filter

The dust and pollen filter with an activated carbon insert reduces the entry of pollutants into the passenger compartment.

The dust and pollen filter must be replaced at the intervals recommended in ⇒ Booklet *Warranty and Maintenance* so that the air conditioner can work properly.

If the effectiveness of the filter decreases prematurely due to operating the vehicle where the outside air is heavily polluted, the dust and pollen filter should be replaced more frequently than indicated.

More information:

- Exterior views
- Passenger compartment
- Volkswagen Information System
- Seat functions
- Windshield wiper and washer
- Starting and stopping the engine
- Exterior care and cleaning

WARNING

Poor visibility increases the risk of collisions and other accidents that cause serious personal injuries.

- **Always make sure all windows are clear of ice, snow and condensation for good visibility to the front, sides, and rear.**
- **Maximum heating output and defrosting performance are not possible until the engine has reached operating temperature. Wait until you have good visibility before driving off.**
- **Always make sure you know how to properly use the climate control system as well as the rear window defroster that you will need for good visibility.**
- **Never use air recirculation for long periods of time. When the air conditioner is off and recirculation mode is on, condensation can quickly form on the windows and greatly reduce visibility.**
- **Always switch off recirculation mode when it is not needed.**

WARNING

Stale air causes driver fatigue and reduces driver alertness, which can cause accidents, collisions and serious personal injury.

- **Never switch off the fan for a long period of time and never use air recirculation for a long period of time because no fresh air will enter the passenger compartment.**

NOTICE

- **If you think the air conditioner is not working properly or may be damaged, switch it off to help prevent more damage. Have the air conditioner checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.**
- **Air conditioner repair requires specialized knowledge and special tools. Volkswagen recommends that you see an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.**
- **Do not smoke when air recirculation is switched on. Smoke drawn into the ventilation system can leave residue on the evaporator and on the dust and pollen active carbon filter, resulting in permanent odors whenever the air conditioner is switched on.**

If the air conditioner is switched off, the fresh outside air will not be dehumidified. To help keep the windows from fogging over, Volkswagen recommends leaving the air conditioner (compressor) switched on. Press the A/C button. The indicator light in the button must come on.

When it is very hot and humid outside, **water condensation** can drip from the air conditioner evaporator and form a puddle under the vehicle. This is normal and does not indicate a leak.

Keep the air intake slots in front of the windshield free of ice, snow, and leaves in order to maintain proper functioning of the heating and ventilation systems.

Maximum heating output and defrosting performance are not possible until the engine has reached operating temperature.

Emergency starting and starting the engine with a very weak vehicle battery or after the vehicle battery has been replaced may change or delete system settings (including time, date, personal convenience settings, and programming). Check the settings and correct as necessary once the vehicle battery has built up a sufficient charge.

Applicable only in Canada

Introduction

In this section you'll find information about:

Manual AC controls, version 1

Manual AC controls, version 2

Climatronic controls

Air conditioner operation

Air conditioner operation

Air vents

Air recirculation

Climatronic

Climatronic information appears in the Climatronic display and/or on the screen of the factory-installed Radio system or Radio & Navigation system.

The temperature units (Fahrenheit or Celsius) in the factory-installed Radio system or Radio & Navigation system screen can be changed in the **Settings** menu in the instrument cluster display in appropriately equipped vehicles.

The dust and pollen filter

The dust and pollen filter with an activated carbon insert reduces the entry of pollutants into the passenger compartment.

The dust and pollen filter must be replaced at the intervals recommended in ⇒ Booklet *Warranty and Maintenance* so that the air conditioner can work properly.

If the effectiveness of the filter decreases prematurely due to operating the vehicle where the outside air is heavily polluted, the dust and pollen filter should be replaced more frequently than indicated.

More information:

- Exterior views
- Passenger compartment
- Volkswagen Information System
- Seat functions
- Windshield wiper and washer
- Starting and stopping the engine
- Exterior care and cleaning

WARNING

Poor visibility increases the risk of collisions and other accidents that cause serious personal injuries.

- **Always make sure all windows are clear of ice, snow and condensation for good visibility to the front, sides, and rear.**
- **Maximum heating output and defrosting performance are not possible until the engine has reached operating temperature. Wait until you have good visibility before driving off.**
- **Always make sure you know how to properly use the heating and ventilation systems as well as the rear window defroster that you will need for good visibility.**
- **Never use air recirculation for long periods of time. When the air conditioner is off and recirculation mode is on, condensation can quickly form on the windows and greatly reduce visibility.**
- **Always switch off recirculation mode when it is not needed.**

WARNING

Stale air causes driver fatigue and reduces driver alertness, which can cause accidents, collisions and serious personal injury.

- **Never switch off the fan for a long period of time and never use air recirculation for a long period of time because no fresh air will enter the passenger compartment.**

NOTICE

- **If you think the air conditioner is not working properly or may be damaged, switch it off to help prevent more damage. Have the air conditioner checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**
- **Air conditioner repair requires specialized knowledge and special tools. Volkswagen recommends that you see an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.**
- **Do not smoke when air recirculation is switched on. Smoke drawn into the ventilation system can leave residue on the evaporator and on the dust and pollen active carbon filter, resulting in permanent odors whenever the air conditioner is switched on.**

If the air conditioner is switched off, the fresh outside air will not be dehumidified. To help keep the windows from fogging over, Volkswagen recommends leaving the air conditioner (compressor) switched on. Press the A/C button. The indicator light in the button must come on.

When it is very hot and humid outside, **water condensation** can drip from the air conditioner evaporator and form a puddle under the vehicle. This is normal and does not indicate a leak.

Keep the air intake slots in front of the windshield free of ice, snow and leaves in order to maintain proper functioning of the heating and ventilation systems.

Maximum heating output and defrosting performance are not possible until the engine has reached operating temperature.

Emergency starting and starting the engine with a very weak vehicle battery or after the vehicle battery has been replaced may change or delete system settings (including time, date, personal convenience settings, and programming). Check the settings and correct as necessary once the vehicle battery has built up a sufficient charge.

Applicable only in the United States

Manual AC controls, version 1

Fig. 126 In the center console: Manual AC controls.

Please first read and note the introductory information and heed the WARNINGS

Press the corresponding button to switch a function on or off. If a function is switched on, an indicator light in the button comes on. To switch off a function, press the button again.

Buttons, knobs	More information: Manual AC ⇒ fig. 126
Temperature (1) ● . . . ●	Turn knob to set the desired temperature. The MAX position provides maximum cooling output. Recirculation mode and the cooling system switch on automatically.
Fan (2) 0 . . .	Setting 0: the fan and manual AC are switched off. Setting 4: highest fan speed.
Air distribution (3)	Direct airflow by turning knob to any setting (continuously adjustable).
	Defrost: Airflow is directed to the windshield. Recirculation mode switches off automatically in this position. Increases the fan speed to clear the windshield as quickly as possible. The cooling system switches on automatically to dehumidify the air.
	Air distribution to the air vents in the instrument panel.
	Air distribution to the footwells.
	Air distribution to the windshield and footwells.

Buttons, knobs	More information: Manual AC ⇒ fig. 126
	Rear window defroster: Works only when the engine is running and switches off automatically after 10 minutes or less.
	Air recirculation mode
,	Buttons for seat heating
A/C	Press the button to switch the air conditioner on or off.
Switching off.	Turn fan switch to position 0.

WARNING

Stale air causes driver fatigue and reduces alertness, which can cause accidents, collisions, and serious personal injury.

- **Never switch off the fan for a long time, because no fresh air will enter the passenger compartment.**

Applicable only in the United States

Manual AC controls, version 2

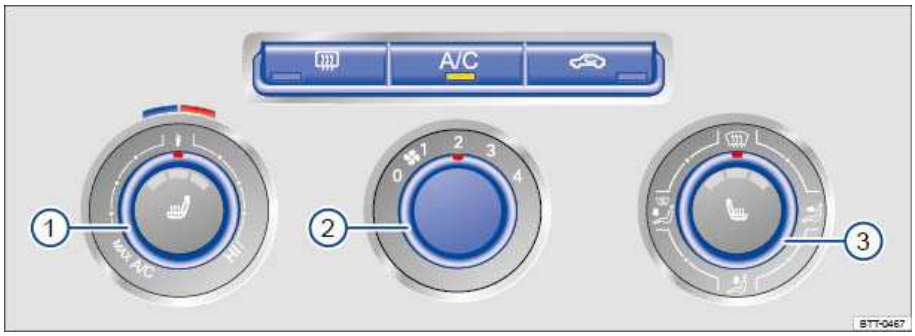

Fig. 127 In the center console: Manual AC controls.

Please first read and note the introductory information and heed the WARNINGS

Press the corresponding button to switch a function on or off. If a function is switched on, an indicator light in the button comes on. To switch off a function, press the button again.

Button/Knob	More information: Manual AC ⇒ fig. 127
Temperature (1) ■ . . . ■	Turn knob to set the desired temperature.

Button/Knob	More information: Manual AC ⇒ fig. 127
Fan (2) 0 . . . 	Setting 0: the fan and manual AC are switched off. Setting 4: highest fan speed.
Air distribution (3)	Direct airflow by turning knob to any setting (continuously adjustable).
	Defrost: Airflow is directed to the windshield. Recirculation mode switches off automatically in this position. Increases the fan speed to clear the windshield as quickly as possible. The cooling system switches on automatically to dehumidify the air.
	Air distribution to the air vents in the instrument panel.
	Air distribution to the footwells.
	Air distribution to the windshield and footwells.
	Rear window defroster: Functions only when the engine is running and switches off automatically after 10 minutes or less.
	Air recirculation
	Buttons for seat heating
A/C	Press the button to switch the air conditioner on or off.
MAX A/C	Turn knob (1) to the position for maximum cooling output. The air recirculation and air conditioning switches on automatically.
Switching off.	Turn fan switch to position 0.

WARNING

Stale air causes driver fatigue and reduces alertness, which can cause accidents, collisions, and serious personal injury.

- **Never switch off the fan for a long time, because no fresh air will enter the passenger compartment.**

Climatronic controls

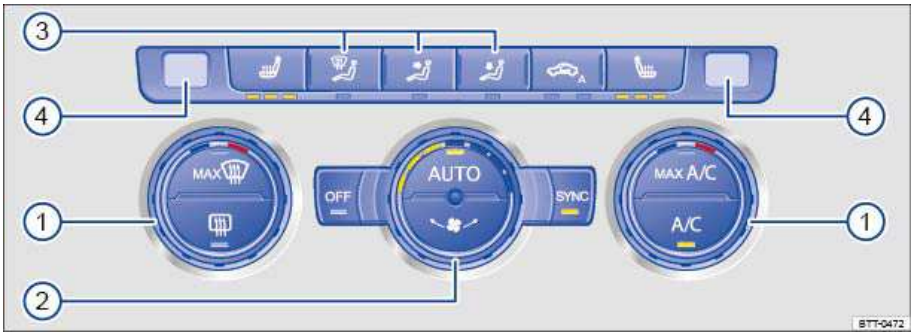

Fig. 128 In the center console: Climatronic controls.

Please first read and note the introductory information and heed the WARNINGS ⚠

Press the corresponding button to switch a function on or off. If a function is switched on, an indicator light in or under the button comes on. To switch off a function, press the button again.

Button/Knob	More information: Climatronic ⇒ fig. 128.
Temperature (1) ■ . . . ■	Left and right sides of the vehicle can be set to different temperatures. Turn the knob to set the temperature.
Fan (2)	The fan speed is automatically controlled depending on the vehicle speed in order to help prevent unnecessary noise. The fan can also be adjusted manually.
Air distribution (3)	Air flow is automatically adjusted to a comfortable level. It can also be manually adjusted with buttons (3).
Displays (4)	Left-side and right-side digital temperature displays.
MAX	Defrost button. The incoming outside air is directed to the windshield, and air recirculation automatically switches off. To defrost the windshield as quickly as possible, humidity is removed from the air at temperatures above about +35 °F (+1.5 °C), and the blower is set to a high speed.
	Air distribution to the air vents in the instrument panel.
	Air distribution to the footwells.
	Air is directed upward.
	Rear window defroster: Works only when the engine is running and switches off automatically after 10 minutes or less.
A	Manual and automatic air recirculation
,	Buttons for seat heating

Button/Knob	More information: Climatronic ⇒ fig. 128.
A/C	Press the button to switch the air conditioner on or off.
MAX A/C	Push the button for maximum air conditioner cooling. The air recirculation and cooling system are switched on automatically and the air distribution is automatically set to position
SYNC	Applies the temperature settings for the driver side to the passenger side: If the indicator light in the SYNC button comes on, the temperature settings for the driver side also apply to the passenger side. Press the button or turn the temperature knob for the passenger side to set a different temperature for the passenger side. The indicator light in the button goes out.
AUTO	Automatic temperature control, fan speed, and air distribution. Press the AUTO button to switch on the feature. The indicator light in the button comes on.
OFF	Press the OFF button. If the system is switched off, the indicator light in the OFF button lights up.

WARNING

Stale air causes driver fatigue and reduces alertness, which can cause accidents, collisions, and serious personal injury.

- **Never switch off the fan for a long time, because no fresh air will enter the passenger compartment.**

Applicable only in the United States

Air conditioner operation

Please first read and note the introductory information and heed the WARNINGS

The air conditioner works only when the ignition is switched on. The cooling system for the passenger compartment works only when the engine is running and the fan is on.

The air conditioner is most efficient when the windows and the power sunroof are closed. If the vehicle is stationary and the passenger compartment becomes very hot due to sunlight, briefly opening the windows and the power sunroof may speed up the cooling process.

Keep the air intake slots in front of the windshield free of ice, snow, and leaves so that the heating and ventilation systems can work properly.

Settings for optimum visibility

When you switch on the cooling system, both the temperature and humidity in the vehicle are reduced. This will help make passengers feel more comfortable and help keep the windows from fogging up.

For manual AC

- Switch off the air recirculation
- Set the fan to the desired speed.
- Turn the temperature knob to the center position.
- Open and adjust all air vents in the instrument panel
- Turn the air distribution knob to the desired setting.
- Push the A/C button to turn on the air conditioner. The indicator light in the button lights up.

For Climatronic

- Press the AUTO button.
- Set temperature to +72 °F (+22 °C).
- Open and adjust all air vents in the instrument panel

Climatronic: Changing the temperature unit on the factory-installed Radio or Radio & Navigation system display

The inside and outside temperatures can be displayed in either Fahrenheit (F) or Celsius (C).

Select **Units** in the instrument cluster display in the **Settings** main menu

You can also press and hold the A/C and AUTO buttons to switch the Climatronic temperature display from Celsius to Fahrenheit and vice versa.

Heating

Maximum heating output and defrosting performance are not possible until the engine has reached operating temperature.

Air conditioner does not work

The air conditioner may not switch on for one of the following reasons:

- The engine is not running.
- The fan is switched off.
- The air conditioner fuse has blown.
- The outside air temperature is colder than about +38 °F (+3 °C).
- The air conditioner compressor has been temporarily switched off due to excessive engine coolant temperature.
- There is another malfunction in the vehicle. Have the air conditioner checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Special considerations

When it is very hot and humid outside, **water condensation** can drip from the air conditioner evaporator and form a puddle under the vehicle. This is normal and does not indicate a leak.

The climate control system adjusts the passenger compartment temperature as fast as possible considering the outside temperature.

Due to residual moisture in the air conditioner, the windshield may fog up after the engine is started. Switch on the windshield defroster to help evaporate the condensation as quickly as possible.

The air coming out of the vents flows through the passenger compartment and out through the vents under the rear window. Do not cover these slots with clothing or other things.

Applicable only in Canada

Air conditioner operation

Please first read and note the introductory information and heed the WARNINGS

The air conditioner works only when the ignition is switched on. The cooling system for the passenger compartment works only when the engine is running and the fan is on.

The air conditioner is most efficient when the windows and the power sunroof are closed. If the vehicle is stationary and the passenger compartment becomes very hot due to sunlight, briefly opening the windows and the power sunroof may speed up the cooling process.

Keep the air intake slots in front of the windshield free of ice, snow, and leaves so that the heating and ventilation systems can work properly.

Settings for optimum visibility

When you switch on the cooling system, both the temperature and humidity in the vehicle are reduced. This will help make passengers feel more comfortable and help keep the windows from fogging up.

- Press the AUTO button.
- Set temperature to +72 °F (+22 °C).
- Open and adjust all air vents in the instrument panel 225.

Changing the temperature unit on the factory-installed Radio or Radio & Navigation system display

The inside and outside temperatures can be displayed in either Fahrenheit (F) or Celsius (C).

Select **Units** in the instrument cluster display in the **Settings** main menu

You can also press and hold the A/C and AUTO buttons to switch the Climatronic temperature display from Celsius to Fahrenheit and vice versa.

Heating

Maximum heating output and fast defrosting will only be possible after the engine has reached operating temperature.

Air conditioner does not work

The air conditioner may not switch on for one of the following reasons:

- The engine is not running.
- The fan is switched off.
- The air conditioner fuse has blown.
- The outside air temperature is colder than about +38 °F (+3 °C).
- The air conditioner compressor has been temporarily switched off due to excessive engine coolant temperature.
- There is another malfunction in the vehicle. Have the air conditioner checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Special considerations

When it is very hot and humid outside, **water condensation** can drip from the air conditioner evaporator and form a puddle under the vehicle. This is normal and does not indicate a leak.

The climate control system adjusts the passenger compartment temperature as fast as possible considering the outside temperature.

Due to residual moisture in the air conditioner, the windshield may fog up after the engine is started. Switch on the windshield defroster to help evaporate the condensation as quickly as possible.

The air coming out of the vents flows through the passenger compartment and out through the vents under the rear window. Do not cover these slots with clothing or other things.

Air vents

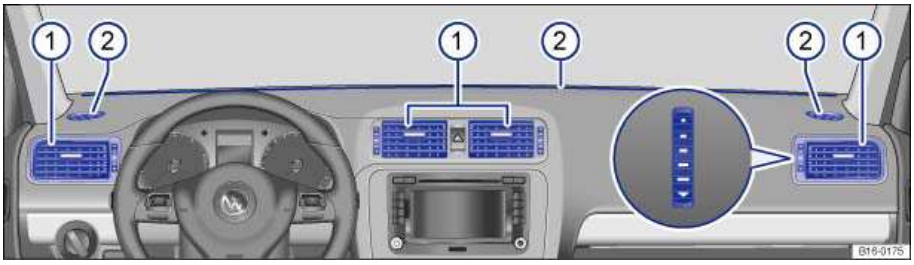

Fig. 129 In the instrument panel: Air vents.

Please first read and note the introductory information and heed the WARNINGS

Air vents

To help ensure sufficient heating, cooling and ventilation in the passenger compartment, never close the air vents completely ⇒fig. 129 (1).

- To open and close the air vents, turn the respective thumbwheel (magnified view) in the desired direction. When the thumbwheel is in the ¡ position, the air vent is closed.
- Use the lever on the vent grille to adjust the airflow direction.

Additional, non-adjustable air vents are located in the instrument panel (2), in the footwells, as well as in the rear area of the passenger compartment.

NOTICE

Do not place food, medications, or other heat-sensitive things in front of the air vents. Food, medications, and other things that are sensitive to heat or cold can be damaged or made unusable by the air flow from the vents.

The air coming out of the vents flows through the passenger compartment and out through vents below the rear window. Do not cover these slots with clothing or other things.

Air recirculation

Please first read and note the introductory information and heed the WARNINGS

General information

There are different types of air recirculation:

	Manual air recirculation (manual AC).
A	The left indicator light under the button comes on: manual air recirculation is switched on (Climatronic).
	The right indicator light under the button comes on: automatic air recirculation is switched on (Climatronic).

The air recirculation mode helps prevent outside air from entering the vehicle interior.

In very hot outside temperatures, temporarily switch to manual air recirculation in order to cool the vehicle interior faster.

For safety reasons, air recirculation is switched off if you push the MAX button or the air distribution switch is turned to ⇒ ⚠.

Switching manual air recirculation on and off: manual AC

Switching on: Press the button until the indicator light in the button comes on.

Switching off: Press the button until the indicator light in the button goes out.

Switching manual air recirculation on and off: Climatronic

Switching on: Press the button repeatedly until the left indicator light under the button comes on.

Switching off: Press the button repeatedly until the indicator light under the button goes out.

Automatic air recirculation

In the setting, fresh air enters the passenger compartment. If the system detects an increased concentration of pollutants in the outside air, it automatically switches to air recirculation. As soon as the pollutant level is back in the normal range, air recirculation is switched off.

Unpleasant odors cannot be detected by the system.

Air recirculation is **not** automatically activated under the following outside temperatures and conditions:

- The air conditioning is on (indicated by the light in the A/C button) and the outside air temperature is colder than about +38 °F (+3 °C).
- The cooling system and the windshield wiper are switched off and the outside air temperature is cooler than about +50 °F (+10 °C).
- The cooling system is switched off, the outside air temperature is cooler than about +59 °F (+15 °C), and the windshield wiper is switched on.

Switching automatic air recirculation on and off

Switching on: Press the button repeatedly until the right indicator light under the button comes on.

Switching off: Press the button repeatedly until no indicator light under the button is on.

It is not possible to activate automatic air recirculation when the outside air temperature is colder than about +38 °F (+3 °C).

Temporarily deactivating the automatic air recirculation

- Press the button once to switch to air recirculation temporarily in the event of unpleasant odors. The left indicator light comes on.
- Press the button again after more than 2 seconds to resume automatic air recirculation. The right indicator light comes on.

⚠ WARNING

Stale air causes driver fatigue and reduces driver alertness, which can cause accidents, collisions and serious personal injury.

- **Never use air recirculation mode over an extended period of time, since no fresh air will enter the passenger compartment.**
- **When the air conditioner is off and recirculation mode is on, condensation can quickly form on the windows and greatly reduce visibility.**
- **Always switch off recirculation mode when it is not needed.**

NOTICE

Do not smoke when air recirculation is switched on. Smoke drawn into the ventilation system can leave residue on the evaporator and on the dust and pollen active carbon filter, resulting in permanent odors whenever the air conditioner is switched on.

Climatronic: When backing up and while the automatic wiper/washer is operating, air recirculation is briefly activated to help keep exhaust fumes from getting into the passenger compartment.

Refueling

Introduction

In this section you'll find information about:

Indicator lights and fuel gauge
Refueling
Fuel capacities
Refueling checklist

The fuel filler flap is located on the rear right side of the vehicle.

More information:

- Exterior views
- Fuel
- Preparations for working in the engine compartment

WARNING

Improper refueling or handling of fuel is dangerous and can cause fire, explosion, and severe burns.

- **Always make sure that the fuel filler cap is screwed on all the way. This helps keep fuel from spilling out or evaporating.**
- **Fuel is highly flammable and explosive; it can cause severe burns and other severe injuries.**
- **Failure to shut the engine off while refueling and/or to insert the pump nozzle all the way into the fuel filler neck can cause fuel to overflow and to spray out. Fuel spray and overflowing fuel are dangerous because they can cause fire and serious personal injury.**
- **During refueling, the engine and the ignition must be switched off for safety reasons.**
- **Never use a cellular telephone, CB radio, or other radio equipment while refueling. The electromagnetic radiation can cause sparks that can ignite fuel vapors and cause a fire.**
- **Never get back into your vehicle while refueling. If in exceptional circumstances you must get back in your vehicle while refueling, make certain that you close the door and touch metal to discharge static electricity before touching the filler nozzle again. This helps avoid the build-up of static electricity, which can cause sparks that can ignite fuel vapors released during refueling.**
- **Never smoke or have an open flame (or sparks, cigarettes, or other smoldering objects) anywhere in or near your vehicle when refueling or filling a portable fuel container.**
- **Follow all safety instructions and procedures that apply at the service station where you refuel.**
- **Never spill fuel in the vehicle or the luggage compartment.**

WARNING

Even if empty, portable fuel containers can leak and cause a fire and serious personal injuries, especially in a crash.

- **For your safety, we strongly recommend that you do not travel with a portable fuel container in your vehicle.**
- **If, under exceptional circumstances, you must transport a portable fuel container, please observe the following:**
  - **Never fill a portable fuel container while it is anywhere in or on the vehicle (for example, in the luggage compartment or on top of the luggage compartment lid). Static electricity can build up while filling and can ignite fuel vapors, causing a fire.**
  - **Always place a portable fuel container on the ground before filling. Never spill fuel inside the vehicle or luggage compartment. Fuel vapors are highly flammable.**
  - **Always keep the filler nozzle completely inside the portable container before and during filling.**
  - **If filling a portable container made of metal, the filler nozzle must always be in contact with the container. This will help prevent static electricity from discharging and causing a fire.**
  - **Always observe local and state or provincial laws about the use, storage, and transportation of portable fuel containers.**
  - **Make certain that the portable fuel container meets industry standards, such as ANSI/ASTM F852-86.**

NOTICE

- **Remove fuel spills from the vehicle immediately to help prevent damage to the paint, tires, and wheel housings.**
- **Refueling with gasoline when your vehicle has a diesel engine or refueling with diesel fuel when your vehicle has a gasoline engine can cause very serious and expensive engine and fuel system damage that is not covered by any Volkswagen Limited Warranty.**
- **If you put any amount of incorrect fuel in the fuel tank, do not start the engine under any circumstances. Immediately contact the nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility for assistance. These fuels contain substances that can severely damage the fuel system and the engine if the engine is started.**

Fuels can pollute the environment. Spilled fuel must be collected and disposed of properly, following all applicable environmental regulations.

There is no emergency release for the fuel filler flap. Contact an authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

Indicator lights and fuel gauge

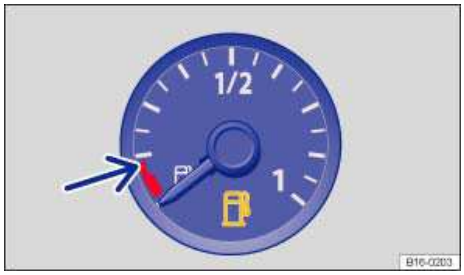

Fig. 130 In the instrument cluster: Fuel gauge.

Please first read and note the introductory information and heed the WARNINGS ⚠

Lights up	Gauge position ⇒ fig. 130	Possible cause or meaning ⇒ ⚠	Proper response
	Red range (arrow)	Fuel tank almost empty. Running on reserve 231.	Time to refuel ⇒ ⓘ.
	–	Fuel filler cap not properly closed.	Stop and close the fuel filler cap properly.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

Fuel filler cap not properly closed

If the indicator light comes on or you see a text message in the instrument cluster display indicating that the fuel filler cap is not properly closed, stop the vehicle in a safe place and switch off the engine and the ignition.

Open the fuel filler flap and take the fuel filler cap off the filler neck. Then put the fuel filler cap back on the filler neck and screw it on clockwise until you clearly hear a clicking sound. Close the fuel filler flap.

After switching on the ignition, the indicator light may stay on or the text message may still appear in the instrument cluster display, even if the fuel filler cap is now properly closed. This is normal and no reason to take your vehicle in for service.

If, however, the malfunction indicator light also comes on, drive to your nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility and have the fuel system and the engine checked.

WARNING

Driving with a fuel tank that is almost empty can lead to stalling in traffic, a collision, and serious personal injuries.

- **When the fuel tank is almost empty, fuel supply to the engine can be interrupted, especially when driving over bumps, across slopes, and up and down hills.**
- **Steering and braking assistance as well as ESC and related systems will not work if the engine "sputters" or stalls due to lack of fuel.**
- **Always refuel when the tank is 1/4 full to reduce the risk of running out of fuel and stalling in traffic.**

NOTICE

- **Failure to heed warning lights or text WARNINGS can result in vehicle damage.**
- **Never drive until the fuel tank is completely empty. The irregular fuel supply can cause the engine to misfire. This allows unburned fuel to get into the exhaust system and damage the catalytic converter.**

The small arrow next to the gas pump symbol in the fuel gauge shows the side of the vehicle with the fuel filler flap.

Fuel capacities

Please first read and note the introductory information and heed the WARNINGS

Engine	Fuel tank capacity
Gasoline engines	About 14.5 gallons (55.0 liters), including about 2 gallons (7.0 liters) reserve.

Refueling checklist

Please first read and note the introductory information and heed the WARNINGS

The engine compartment of any motor vehicle is a hazardous area. Never do any work on the engine or in the engine compartment unless you

- know exactly how to carry out the job,
- have the correct technical information and the proper tools and supplies, and
- are familiar with the necessary safety precautions , *Preparations for working in the engine compartment*.

Checklist

If you are uncertain in any way, have the work done by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Serious personal injury may result from improperly performed work. Make sure that you check the following items regularly. The best thing is to check them every time you refuel:

✓ Windshield washer fluid level

Fuel

Introduction

In this section you'll find information about:

Gasoline

Gasoline additives

The correct fuel grade for your engine is shown on a sticker located on the inside of the fuel filler flap ⇒ fig. 132.

Bad or poor quality fuel reduces operating performance, efficiency and service life of the engine. If you notice any symptoms like rough engine idle or performance or "bucking," immediately reduce the vehicle speed, accelerate slowly, and keep the engine speed in the middle of the rpm range. Avoid high rpm and rapid acceleration. If these symptoms should appear right after refueling, switch off the engine. In both cases contact an authorized Volkswagen dealer or an authorized Volkswagen Service Facility to have the engine checked.

More information:

- ⇒ Booklet *Warranty and Maintenance*
- Refueling
- Engine control and exhaust system

WARNING

Improper refueling or handling of fuel can cause fire, explosion, and severe burns.

- **Fuel is highly explosive and flammable and can cause severe burns and other injuries.**
- **Heed applicable safety warnings and obey local fuel handling regulations.**
- **Always make sure the fuel cap is screwed on all the way. This keeps fuel from spilling out and from evaporating.**
- **Failure to shut the engine off while refueling and/or to insert the pump nozzle fully into the vehicle's filler neck could cause fuel overflow and fuel spray. Fuel spray and overflowing fuel are dangerous because they can cause fire or serious injury.**
- **For safety reasons, the engine must be turned off when refueling.**
- **Never get back into your vehicle while refueling. If in exceptional circumstances you must get back in your vehicle while refueling, make certain that you close the door and touch metal to discharge static electricity before touching the filler nozzle again. Static electricity can cause sparks that can ignite fuel vapors released during refueling.**

Gasoline additives

Please first read and note the introductory information and heed the WARNINGS

Additives are used to improve the quality of the gasoline.

Fuel quality impacts the operating performance, efficiency and service life of the engine. Therefore, use high quality gasoline that is already blended by the fuel supplier with suitable gasoline additives that do not contain metal. The additives provide corrosion protection, clean the fuel system, and prevent deposits on the engine.

Volkswagen recommends TOP TIER Detergent Gasoline. For more information on TOP TIER Detergent Gasoline, please go to the official Web site http://www.toptiergas.com.

If quality gasoline with additives that do not contain metal is not available or engine malfunctions occur, you should add the required additives while refueling ⇒ ⓘ.

Not all gasoline additives are effective. Using the wrong additives can cause significant and expensive damage to the engine and the catalytic converter. Never use additives that contain metal. Please note that metal can be included in some aftermarket gasoline additives that are available to be added to gasoline during or after refueling to help improve knock resistance or increase the octane rating.

Volkswagen recommends using only additives approved by Volkswagen. Appropriate additives as well as instructions on how to use them are available from your authorized Volkswagen dealer or authorized Volkswagen Service Facility. Do not add any other gasoline additives.

NOTICE

You can damage the engine by using incorrect additives.

- **Using incorrect gasoline additives can cause extensive engine damage as well as damage to the catalytic converter.**
- **If you must fuel your vehicle with gasoline whose octane rating is too low, only drive with the engine speed in the middle of the rpm range and with low engine load. Avoid high rpm and heavy engine load. Otherwise, the engine could be damaged. Refuel your vehicle with gasoline with the required octane rating as soon as possible.**
- **Do not use fuel that is labeled at the pump as containing metal. Lead replacement fuel contains high concentrations of metallic additives. Engine damage could result.**
- **Fueling your vehicle just one time with leaded fuel or fuel that contains other metallic additives can affect the performance of the catalytic converter and cause extensive damage to it.**

Preparations for working in the engine compartment

Introduction

In this section you'll find information about:

Warning light

Getting ready to work in the engine compartment

Opening and closing the engine compartment

Always position the vehicle on a firm and level surface before doing any work in the engine compartment.

The engine compartment of a vehicle is a hazardous area. Never do any work on the engine or in the engine compartment unless you

- know exactly how to carry out the job,
- have the correct technical information and the proper tools and supplies, and
- are familiar with the necessary safety precautions ⇒ ⚠.

If you are uncertain in any way, have the work done by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility. Serious personal injury may result from improperly performed work.

More information:

- Exterior views
- Windshield wiper and washer
- Starting and stopping the engine
- Brake fluid
- Checks while refueling
- Engine oil
- Engine coolant
- Vehicle battery
- Exterior care and cleaning
- Parts, accessories, repairs and modifications

⚠ WARNING

Unintended vehicle movement during maintenance work can cause serious personal injuries.

- **Never work under the vehicle unless you have safely secured the vehicle from moving. If you must work under the vehicle with the wheels on the ground, always make sure that the vehicle is on level ground, that all 4 wheels are chocked to keep them from moving, and that the key is not in the ignition.**
- **If you must work under a vehicle raised on a floor jack, always make sure that the vehicle is safely supported on safety stands intended for that purpose that are strong enough to support the weight of the vehicle. The jack supplied with the vehicle is not strong enough for this purpose and can collapse causing serious personal injury.**

WARNING

The engine compartment of any motor vehicle is a potentially dangerous area and can cause serious personal injury.

- **Always use extreme caution when doing any work in the engine compartment. Always follow commonly accepted safety practices and use common sense. Never risk personal injury.**
- **Never perform any work in the engine compartment unless you know exactly how to carry out the job and have the correct technical information and the correct tools.**
- **If you are uncertain about what to do, have the work performed by an authorized Volkswagen dealer, an authorized Volkswagen Service Facility, or another qualified workshop. Serious personal injury may result from improperly performed work.**
- **We strongly recommend that you always have HID – High Intensity Discharge (Xenon) headlights and H7 bulbs replaced by a qualified technician. Serious personal injury may result from improperly performed work.**
- **Never open or close the engine hood if steam or coolant is escaping. Hot steam or coolant can cause serious burns. Always wait until you no longer see or hear steam or coolant escaping from the engine.**
- **Always let the engine cool down completely before carefully opening the hood.**
- **Hot parts of the engine and the exhaust system will burn skin on contact.**
- **When the engine has cooled down and you are ready to open the hood:**
  - **Firmly apply the parking brake and shift the transmission into Park (P) (automatic) or Neutral (manual only).**
  - **Take the vehicle key out of the ignition.**
  - **On vehicles with Keyless Access, make sure that the remote control vehicle key is out of range of the vehicle and that the vehicle cannot be started by depressing the starter button**
  - **Always keep children and others away from the engine compartment and never leave them unsupervised.**
- **The engine coolant system is under pressure when the engine is hot. Never unscrew the coolant expansion tank cap when the engine is hot. Hot coolant can spray out and cause severe burns and other serious injuries.**
  - **Turn the cap slowly and very carefully in a counterclockwise direction while applying light downward pressure on the top of the cap.**
  - **Always protect your face, hands, and arms from hot escaping coolant or steam by covering the cap with a large, thick rag.**
- **Never spill fluids on the engine or exhaust system when refilling. Spilling fluids onto hot parts of the engine or exhaust system can cause a fire.**

WARNING

High voltage systems in the engine compartment can cause electrical shocks or even electrocution, severe burns, other serious injuries, and even death!

- **Never short-circuit the electrical system. Be especially careful when using jumper cables. The vehicle's battery could explode!**
- **To reduce the risk of electrical shock and personal injury while the engine is running or being started:**
  - **Never touch ignition cables. Never touch other components of the high voltage electronic ignition system.**
  - **Never touch the wiring of the HID – High Intensity Discharge (Xenon) headlights.**
- **Read and heed the important information and warnings on cleaning the engine compartment, *Cleaning the engine compartment***

WARNING

Moving parts in the engine compartment can cause serious personal injury on contact.

- **Never reach into the area around or touch the radiator fan. Contact with the blades can cause serious personal injury. Always remember that the radiator fan is temperature-controlled and can come on suddenly even when the engine has been switched off for a while and the key has been removed from the ignition.**
- **If you have to perform a check or repair when the engine is running, there are more risks from the rotating parts, such as the drive belts, alternator, radiator fan, etc., and from the high-voltage ignition system. Always use extreme care.**
  - **Always make sure that jewelry, loose clothing and long hair do not get caught in rotating engine parts. Before starting any work remove your jewelry, take off your necktie, tie back and cover your hair, and do not wear clothing that can hang down and get caught in moving engine parts.**
  - **Always use extreme caution if the accelerator pedal has to be depressed to perform a check. The vehicle will start to move even if the parking brake is on.**
- **Never leave any objects in the engine compartment, for example cleaning rags and tools. Objects left behind can cause malfunctions, engine damage, and even fires.**

WARNING

Operating fluids and some materials in the engine compartment can catch fire easily, causing burns and other serious personal injuries!

- **Never smoke near the engine compartment.**
- **Never work next to open flames or sparks.**
- **Never pour or spill operating fluids or other flammable liquids on the engine. These fluids can ignite on hot engine parts and cause injuries.**
- **If work on the fuel system or the electrical system is necessary:**
  - **Always disconnect the 12 Volt vehicle battery. Make sure the vehicle is unlocked when you disconnect the battery, or the alarm will go off. Never touch the electrical wiring of the ignition system.**
  - **Never work near heaters, water heaters, or other open flames.**
- **Always have a functional, approved fire extinguisher nearby.**

NOTICE

When changing or topping off fluids, make sure that you pour the fluids into the correct reservoirs. Adding the wrong type of operating fluids will cause serious malfunctions and engine damage.

Fluid leaks and spills are harmful to the environment. Regularly check the ground underneath your vehicle for this reason. If you find spots of oil or other fluids, have your vehicle checked by your authorized Volkswagen dealer or authorized Volkswagen Service Facility. Dispose of leaked operating fluids properly.

Warning light

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
OR icon appears in the display	Engine hood not properly closed.	**Stop!** Close the engine hood.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

If the engine hood is open or not closed properly, the warning light comes on in the instrument cluster or the vehicle icon appears in the instrument cluster display showing the open engine hood.

Depending on your vehicle's equipment and options, the red warning light or icon may still be displayed even after the ignition is switched off as long as the key has not been taken out of the ignition. The icon in the instrument cluster display goes out about 15 seconds after the vehicle has been locked.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

Getting ready to work in the engine compartment

Please first read and note the introductory information and heed the WARNINGS

Checklist

Before any work in the engine compartment, carry out the following steps in the order in which they are listed ⇒:

✓ Park the vehicle in a safe place on a firm, level surface.

✓ Hold the brake pedal down until the engine is switched off.
✓ Apply the parking brake to help prevent the vehicle from moving
✓ Shift the transmission into Park **(P)** (automatic) or Neutral (manual only)
✓ Stop the engine and remove the key from the ignition switch
✓ Let the engine cool down sufficiently.
✓ Keep children and others away from the vehicle.
✓ Make sure the vehicle cannot move unexpectedly.

⚠ WARNING

Disregarding the safety-related checklist may result in serious injuries.

- **Always review and follow the checklist. Follow accepted safety practices and use common sense.**

Opening and closing the engine compartment

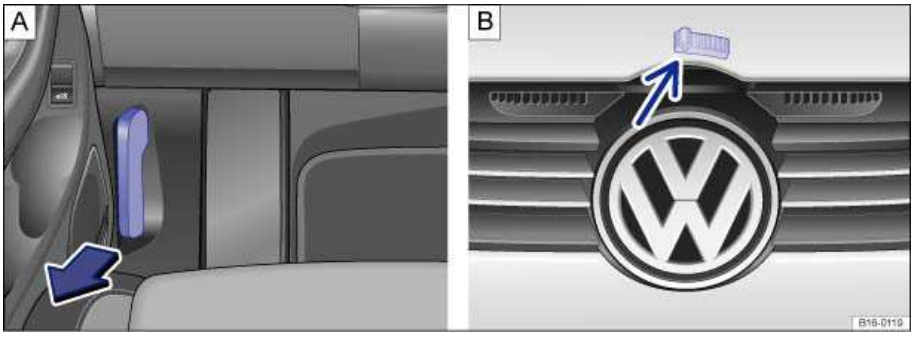

Fig. 133 A: In the footwell on the driver side: Inside engine hood release lever. B: Above the radiator grille: Outside engine hood release.

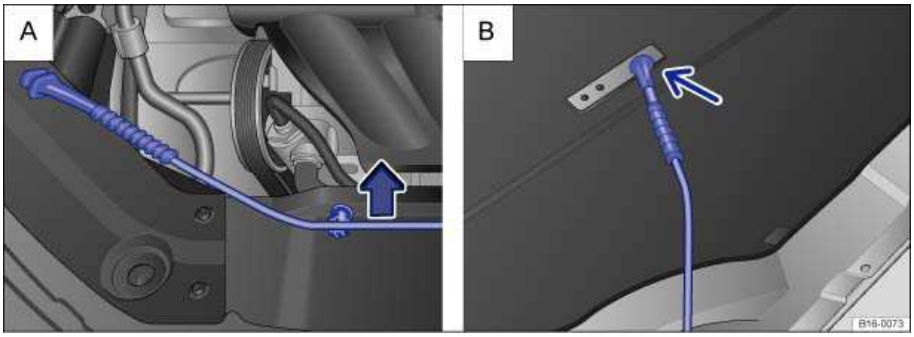

Fig. 134 A: In the engine compartment: Bracket for hood support. B: Hood propped open.

Please first read and note the introductory information and heed the WARNINGS ⚠

Opening the engine hood

- Before you open the hood, make sure that the windshield wiper arms are resting on the windshield ⇒.
- Open the driver door and pull the inside hood release lever in the direction of the arrow ⇒ fig. 133 **A**. The engine hood is released from its latch by a spring ⇒.
- Push the outside hood release lever **B** (arrow) and lift the hood all the way up.
- Pull the hood support out of its bracket in the direction of the arrow ⇒ fig. 134 **A** and insert it into the opening in the hood **B** (arrow).

Closing the engine hood

- Lift the hood slightly ⇒.
- Take out the hood support and clamp it in place in its bracket **A**.
- Lower the hood by hand until it is about 1 ft. (30 cm) above its latch and then let it drop into place to latch it. *Do not* push down on it afterwards!

If the hood does not close completely, open it again and close it properly.

When the hood is properly closed, you can see that it fits flush with the other body parts. The indicator light in the instrument cluster will go out

WARNING

If the hood is not closed properly, it could fly up and block your view while you are driving. This can lead to a crash and serious personal injuries.

- **After closing the engine hood, check that the hood release lever is properly latched into the hood latch. The engine hood must be flush with the surrounding auto body parts.**
- **If you ever notice that the hood latch is not properly secured when the vehicle is moving, stop at once and close it.**
- **Never let anyone get in the way of the hood when closing it.**

NOTICE

- **Make sure the windshield wiper arms are resting on the windshield before you open the hood. Otherwise, the windshield wipers and the hood may be damaged.**
- **Always put the windshield wiper arms down against the windshield before driving the vehicle.**

NOTICE

Before opening or closing the engine hood, make sure there is enough room to do so, for example when the vehicle is in a garage.

Engine oil

Introduction

In this section you'll find information about:

Warning and indicator lights
Engine oil specifications
Engine oil capacities
Checking the engine oil level and adding oil
Engine oil consumption
Changing engine oil

More information:

- ⇒ Booklet *Warranty and Maintenance*
- Preparations for working in the engine compartment
- Parts, accessories, repairs and modifications

WARNING

Improper handling of engine oil can cause severe burns and other serious injuries.

- **Always wear eye protection.**
- **Engine oil is poisonous and must be stored out of the reach of children.**
- **Store engine oil only in the closed original container. This also applies to used oil until disposal.**
- **To reduce the risk of poisoning, never drain the oil into empty food or beverage containers that might mislead someone into drinking from them.**
- **Continuous contact with used engine oil is harmful to your skin. Always protect your skin by washing thoroughly with soap and water.**
- **Engine oil becomes extremely hot when the engine is running and can cause severe burns. Always let the engine cool down to the touch.**

Like all other operating fluids, engine oil can pollute the environment. Collect leaked or spilled operating fluids and dispose of them properly in accordance with applicable environmental laws and regulations.

Engine oil specifications

Please first read and note the introductory information and heed the WARNINGS

The engine oil used must conform to exact specifications.

Using the proper engine oil is important for the functionality and service life of the engine. Your engine was factory-filled with a high-quality multi-grade oil which can usually be used throughout the entire year.

Engine oils are constantly being improved. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are always up-to-date regarding new developments and changes. Volkswagen therefore recommends that you have the engine oil changed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Engine oil quality is based not only on requirements for engines and exhaust treatment systems, but also on fuel quality. Engine oil comes into contact with fuel and fuel residue in all internal combustion engines, causing engine oil to age and its lubricating qualities to deteriorate.

Your engine was factory-filled with a high-quality, “synthetic” all-season engine oil that meets strict Volkswagen oil quality standards and has a viscosity grade of SAE 5W-40. or SAE 5W-30. You can use this oil for normal driving in all temperatures.

If you need to add oil between oil changes, use only a high quality oil that expressly complies with the Volkswagen oil quality standard specified for your vehicle's engine:

Engines	Engine oil specification
Gasoline engines	VW 502 00 VW 503 00 VW 504 00

At the time this Manual was printed, the engine oils available in the U.S. that meet these Volkswagen standards are “synthetic” oils. This does not mean, however, that any “synthetic” engine oil will meet Volkswagen standards. Always use an approved oil that expressly complies with the Volkswagen oil quality standard that applies to your vehicle's engine.

General recommendations:

If “synthetic” oil that meets the applicable Volkswagen oil quality standard with viscosity grade SAE 5W-40 or SAE 5W-30 is not available in your area, be sure to use a viscosity grade suitable for the climate, season, and operating conditions that exist where the vehicle is used. Make sure the oil meets the quality standard

Engine oils are constantly being improved. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are always up-to-date regarding new developments and changes. Volkswagen therefore recommends that you have the engine oil changed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

NOTICE

- **If you need to add oil and there is none available that meets the Volkswagen oil quality standard your engine requires, you may add a total of no more than 1/2 quart (0.5 liter) of a high-quality “synthetic” oil that meets ACEA A3 specifications and has a viscosity grade of SAE 5W-40 or SAE 5W-30.**
- **Use only a high quality engine oil that expressly complies with the Volkswagen oil quality standard specified for your vehicle's engine. Using any other oil can cause serious engine damage that will not be covered by any Volkswagen Limited Warranty.**
- **Do not mix any lubricants or other additives into the engine oil. Doing so can cause engine damage! Damage caused by these kinds of additives are not covered by any Volkswagen Limited Warranty.**

Engine oil capacities

Please first read and note the introductory information and heed the WARNINGS

Engines	Engine oil capacity (with filter)
200 hp (147 kW) gasoline engine	About 4.9 quarts (4.6 liters)

Engine oil consumption

Please first read and note the introductory information and heed the WARNINGS

To provide effective lubrication and cooling for internal engine parts, all internal combustion engines use some oil. Oil consumption varies from engine to engine and may change over the life of the engine. Engines tend to use more oil during the break-in period than they do afterward, when oil consumption has stabilized.

Under normal conditions, the rate of oil consumption depends on oil quality as well as viscosity, engine speed (rpm), outside temperature, road conditions, the amount of oil dilution caused by condensed water or fuel residue, and oxidation of the oil. Oil consumption may increase with engine wear over time, until replacement of worn engine parts may become necessary.

Volkswagen recommends that you to check the engine oil level at regular intervals, preferably every time you fill the fuel tank, and always before a long trip. Your vehicle may consume engine oil depending on several variables. A maximum of 1 quart per 1200 miles (1 liter per 2000 km) would be considered normal. New vehicles may consume more oil over the first 3000 miles (5000 km).

The oil pressure warning light is not an indicator of low engine oil level. If the warning light stays on or flashes while driving (above 1500 rpm), a chime will sound. It indicates that the oil pressure is too low. Stop the engine immediately, check the engine oil level and add oil if necessary. If the engine oil level is normal, but the light continues to flash, do not keep driving or let the engine idle, as damage may occur.

If you believe your engine uses too much oil, we recommend that you consult your authorized Volkswagen dealer or authorized Volkswagen Service Facility so that the cause of your concern can be properly diagnosed. Please keep in mind that accurate measurement of oil consumption requires great care and may take some time. Your authorized Volkswagen dealer and authorized Volkswagen Service Facility have instructions for how to measure oil consumption accurately.

Depending on the way the vehicle is driven and the operating conditions, oil consumption can be up to 1 quart per 1200 miles (0.5 liter per 1000 km). Consumption may be higher for new vehicles during the first 3000 miles (5000 km).

Engine coolant

Introduction

In this section you'll find information about:

Warning light and engine coolant temperature gauge
Engine coolant specifications
Checking engine coolant level and topping off

Never do any work on the coolant system unless you

- know exactly how to carry out the job,
- have the correct technical information and the proper tools, supplies, and operating fluids, and
- are familiar with the necessary safety precautions ⇒ ⚠!

If you are uncertain in any way, have the work done by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Serious personal injury may result from improperly performed work.

More information:

- Trailer towing
- Preparations for working in the engine compartment
- Parts, accessories, repairs and modifications

⚠ WARNING

Engine coolant is poisonous!

- **Always keep the coolant in its original container stored in a safe place.**
- **To reduce the risk of poisoning, never store engine coolant in empty food or beverage containers or in any other containers that might mislead someone into drinking from them.**
- **Always keep engine coolant out of reach of children.**
- **Always make sure there is enough of the correct coolant additive to provide proper antifreeze protection at the coldest temperatures that can be expected where the vehicle will be used.**
- **At extremely cold temperatures, the coolant could freeze, causing the vehicle to break down. The heater would also not work, and vehicle occupants could be without protection at subfreezing temperatures.**

Coolant and coolant additives can pollute the environment. Collect leaking operating fluids and dispose of them properly in accordance with applicable environmental laws and regulations.

Warning light and engine coolant temperature gauge

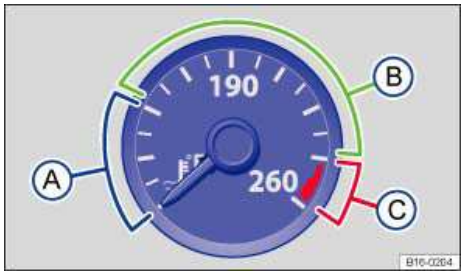

Fig. 137 Engine coolant temperature gauge in the instrument cluster: A Engine cold; B Normal temperature range; C Warning zone.

Please first read and note the introductory information and heed the WARNINGS ⚠

If the indicator in the engine coolant temperature gauge is located in the cold range (A), the engine has not reached operating temperature. High engine speeds and heavy engine loads should be avoided.

Under normal driving conditions, the needle should be in the middle of the gauge. The temperature may go higher when the engine is working hard, especially in hot weather.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

The following table explains what to do if the engine coolant warning light ¿ does not go out a few seconds after the engine is started or if it starts flashing while driving.

Flashes	Temperature gauge needle ⇒ fig. 137	Possible cause	Proper response
	(C) Warning zone	Engine coolant temperature too high.	**Stop!** Pull off the road and stop as soon as you can do so safely. Stop the engine and let it cool down until the temperature needle is in the normal range again. Check the engine coolant level and add coolant if needed If the engine coolant level is correct or the problem continues after adding coolant and driving a short distance, **do not drive any farther**. Contact the nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility. If the coolant level is correct, the overheating may be caused by a radiator fan fault. Check the fuses and replace as necessary

Flashes	Temperature gauge needle ⇒ fig. 137	Possible cause	Proper response
	(B) Normal range	Engine coolant level too low.	Check the engine coolant level after the engine has cooled down and add engine coolant if low If the engine coolant level is correct or the problem continues after adding coolant, **do not drive any farther**. Contact an authorized Volkswagen dealer or authorized Volkswagen Service Facility. These instructions apply only when the coolant temperature stays in the normal range. Stop immediately if the needle goes into the red warning zone (C).
	–	Engine coolant system malfunction.	**Stop!** Get assistance from an authorized Volkswagen dealer, an authorized Volkswagen Service Facility, or another qualified workshop.
–	(A) Cold range	The engine has not yet warmed up.	Do not drive at high engine speeds or with heavy engine loads until the engine warms up.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Engine coolant specifications

Please first read and note the introductory information and heed the WARNINGS

The engine cooling system is filled at the factory with a mixture of specially conditioned water and at least 40 percent of Volkswagen engine coolant additive **G 13** (TL-VW 774 J). This engine coolant additive is pink.

This mixture provides antifreeze protection down to -13 °F (-25 °C). It also helps to protect the light alloy parts in the engine cooling system against corrosion. In addition, the mixture helps prevent calcium deposits and increases the boiling point of the engine coolant.

To protect the engine, the mixture must *always* contain *at least 40% coolant additive* even in warm weather or climates where antifreeze protection is not needed.

If more antifreeze protection is needed for climate conditions, the percentage of coolant additive can be increased. However, the coolant additive percentage must never be more than 60%; otherwise, antifreeze protection is reduced and the ability of the mixture to cool the engine is also reduced.

When adding engine coolant, use a mixture of **distilled** water and at least 40% coolant additive G 13 or G 12 plus-plus (TL-VW 774 G) for optimum corrosion protection ⇒ ⓘ.

Do not mix G 13 with G 12 plus or G 11. Mixing these coolant additives together significantly reduces corrosion protection ⇒ ⓘ and can lead to engine damage that is not covered by any Volkswagen Limited Warranty.

WARNING

Too little antifreeze protection in the engine cooling system can cause engine failure and severe injuries.

- **Always make sure there is enough of the correct coolant additive to provide proper antifreeze protection at the coldest temperatures that can be expected where the vehicle will be used.**
- **At extremely cold temperatures, the coolant could freeze, causing the vehicle to break down. The heater would also not work, and vehicle occupants could be without protection at subfreezing temperatures.**

NOTICE

Never mix original Volkswagen engine coolant additives with other additives not approved by Volkswagen. Mixing Volkswagen coolant additives with coolant additives made by other manufacturers can seriously damage the engine and the engine cooling system.

- **If the fluid in the engine coolant reservoir is any color but pink, then G 13 was mixed with a different engine coolant. If this is the case, the engine coolant must be replaced immediately. Otherwise serious malfunctions or engine damage can occur!**

Engine coolant and engine coolant additives can pollute the environment. Collect leaking operating fluids and dispose of them properly in accordance with applicable environmental laws and regulations.

Vehicle battery

Introduction

In this section you'll find information about:

Warning light

Checking the vehicle battery electrolyte level

Charging, replacing, disconnecting and connecting the vehicle battery

The standard 12 Volt vehicle battery is part of the vehicle electrical system.

Never do any work on the vehicle electrical system unless you

- know exactly how to carry out the job,
- have the correct technical information and the proper tools, and
- are familiar with the necessary safety precautions ⇒ ⚠!

If you are uncertain in any way, have the work done by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Serious personal injury may result from improperly performed work.

Location of the vehicle battery

The 12 Volt vehicle battery is located in the engine compartment.

Explanation of the warnings on the vehicle battery

Symbol	Meaning
	Always wear eye protection!
	Battery acid is highly corrosive. Always wear protective gloves and eye protection!
	Fire, sparks, open flame, and smoking are prohibited!
	When a battery is charged, it produces hydrogen gas which is highly explosive!
	Always keep children away from battery acid and vehicle batteries!

More information:

- ⇒ Booklet *Warranty and Maintenance*
- Preparations for working in the engine compartment
- Parts, accessories, repairs and modifications

WARNING

Working on the batteries or the electrical system in your vehicle can cause serious acid burns, fires, explosions, or electrical shocks. Always read and heed the following WARNINGS and safety precautions before working on the batteries or the electrical system.

- **Before working on the electrical system, always switch off the ignition and all electrical consumers and disconnect the negative (-) cable from the standard 12 Volt battery.**
- **When you change a light bulb, always switch off the light first.**
- **Always keep children away from battery acid and vehicle batteries in general.**
- **Always wear eye protection. Never let battery acid or lead particles come into contact with your eyes, skin, or clothing.**
- **Sulfuric battery acid is very corrosive. It can burn unprotected skin and cause blindness. Always wear protective gloves and eye protection. To reduce your risk of injury, never tilt the batteries, as this could spill acid through the vents and burn you.**
- **If you get battery acid in your eyes or on your skin, immediately rinse with cold water for several minutes and then get immediate medical attention. If you swallow any battery acid, get medical attention immediately.**
- **When disconnecting the batteries from the vehicle electrical system, always disconnect the negative cable (-) first and then the positive cable (+).**
- **Always switch off all electrical consumers before reconnecting 12 Volt batteries. Reconnect the plus cable (+) first and then the negative cable (-). Never reverse the polarity of the connections. This could cause a fire.**
- **A highly explosive mixture of gases is given off when the battery is being charged.**
- **Do not smoke and avoid fires, sparks, and open flames when working. Never create sparks or electrostatic charges when handling cables and electrical equipment. Never short circuit the battery terminals. High-energy sparks can cause serious personal injury.**
- **Never use or attempt to charge a damaged or frozen battery, or a battery that was frozen but has thawed. Charging a frozen or thawed battery could cause explosions and chemical burns! Replace damaged or frozen vehicle batteries immediately. A dead battery can freeze at temperatures around +32 °F (0 °C).**
- **If the battery has a vent line or tube, make sure that it is properly connected to the battery.**

WARNING

California Proposition 65 Warning

- **Battery posts, terminals, and related accessories contain lead and lead components, chemicals known to the State of California to cause cancer and reproductive harm. Wash your hands after handling.**

NOTICE

- **Do not expose the vehicle battery to direct sunlight for an extended period of time as ultraviolet rays may damage the battery housing.**
- **If the vehicle is left standing in the cold for a long time, protect the vehicle battery from freezing. A battery will be permanently damaged by freezing.**

Emergency starting and starting the engine with a very weak vehicle battery or after the vehicle battery has been replaced may change or delete system settings (including time, date, personal convenience settings, and programming). Check the settings and correct as necessary once the vehicle battery has built up a sufficient charge.

Warning light

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	Alternator malfunction.	See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility. Have the electrical system checked. Switch off unnecessary electrical loads. The vehicle battery will not be charged by the alternator as you drive.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Exterior care and cleaning

Introduction

In this section you'll find information about:

Washing the vehicle
Washing with a power washer
Cleaning windows and outside mirrors
Cleaning and changing the windshield wiper blades
Waxing and polishing vehicle paint
Caring for and cleaning chrome and aluminum parts
Cleaning wheel rims
Care of rubber door and window seals
Deicing door lock cylinders
Undercoating
Cleaning the engine compartment

Regular and expert care helps to **preserve the value** of your vehicle. Such expert care may also be one of the requirements of your New Vehicle Limited Warranty if corrosion repair or repainting is necessary.

Vehicle care products are available from your authorized Volkswagen dealer or authorized Volkswagen Service Facility.

More information:

- Preparations for working in the engine compartment
- Interior care and cleaning
- Parts, accessories, repairs and modifications

WARNING

Vehicle care products can be dangerous. Improper use can cause accidents, burns, poisoning, or other serious personal injuries.

- **Always store vehicle care products only in original containers that are securely closed.**
- **Always read and heed all the instructions and all WARNINGS on the package.**
- **To reduce the risk of poisoning, never use empty food or beverage containers that might mislead someone into drinking from them.**
- **Always keep vehicle care products out of the reach of children.**
- **Always use such products outdoors or in well-ventilated areas, because harmful vapors may be released when these products are used.**
- **Never use fuel, turpentine, engine oil, nail polish remover or other volatile fluids for vehicle care. They are poisonous and highly flammable.**

WARNING

Improper care and cleaning of vehicle components can impact the safety features of the vehicle and cause severe injuries.

- **Always clean and maintain vehicle components according to manufacturer's instructions.**
- **Only use approved or recommended cleaners.**

NOTICE

Vehicle care products containing solvents can damage plastics and other vehicle the materials.

Wash the vehicle only at specifically designated wash locations to help prevent water contaminated with oil, grease and fuel from entering the storm drain sewer system. In some areas it is against the law to wash motor vehicles anywhere than other than at specified designated car washing locations.

When buying vehicle care products, try to choose those that are not harmful to the environment.

Never throw out vehicle care products with ordinary household waste. Always read and heed all the instructions and all WARNINGS on the package.

Washing with a power washer

Please first read and note the introductory information and heed the WARNINGS

Always follow the instructions for the power washer. This especially applies to the **pressure** and **spraying distance** ⇒.

Make sure there is enough distance to soft materials such as rubber hoses or insulating material.

Never use **concentrated jet nozzles** or so-called **dirt blasters** ⇒.

Never use a power washer to clean the engine compartment, *Cleaning the engine compartment*.

WARNING

Improper use of power washers can cause serious invisible permanent damage leading to tire failure and loss of vehicle control. This can cause accidents and severe personal injury.

- **Keep sufficient distance between water jet and tires. Never wash tires with a nozzle that sprays the water out in a direct stream regardless of the distance to the tire and even for a very short time.**
- **Never use “dirt blasters” to clean tires. Even spraying from a relatively long distance for a very short time can do visible or invisible damage to tires.**

WARNING

After the vehicle has been washed, the wet brakes or, in winter, brake discs or pads coated with ice, react slower and need longer stopping distances.

- **Always dry the brakes and clean off any ice coatings with a few careful applications of the brake. Make sure not to endanger other motorists or cyclists or disobey legal requirements.**

NOTICE

- **Water temperature should not be more than +140 °F (+60 °C).**
- **To help prevent damage to the paint, do not wash the vehicle in direct sunlight.**

- **Do not clean icy or snow-covered windows with a power washer.**
- **When washing or rinsing the vehicle in cold weather, do not let water get into the lock cylinders or point the hose at gaps around the doors, hood, or luggage compartment lid. The water could freeze on the locks and seals and make it difficult to open the vehicle!**

Undercoating

Please first read and note the introductory information and heed the WARNINGS

The vehicle underbody is coated to help protect it from corrosion and damage. The undercoating could be damaged during normal use. We therefore recommend that you have the protective coatings on the underbody and suspension inspected regularly, and repaired if necessary.

WARNING

Undercoating and rustproofing products can catch fire on the hot exhaust system or any other hot engine component.

- **Never apply additional undercoating or rust proofing on or near the exhaust manifold, the exhaust pipes, the catalytic converter, the heat shields, or any other hot vehicle component.**

Interior care and cleaning

Introduction

In this section you'll find information about:

Caring for upholstery

Cleaning upholstery, fabric trim and Alcantara®

Care and cleaning of leather upholstery

Cleaning leatherette

Cleaning storage compartments and cup holders

Care and cleaning of plastic components, wood trim and instrument panel

Cleaning the safety belts

Modern clothing fabrics such as dark denim may not be completely colorfast. Even with normal use, dye from these and other fabrics can rub off on seat upholstery and leave visible discolorations (especially on light-colored seat upholstery). This is caused by a lack of colorfastness in the clothing fabric, not by any fault in the seat upholstery fabric. To help prevent damage to the seat upholstery, always make sure your clothing is colorfast. Volkswagen recommends having a qualified specialist remove any discolorations from the seat upholstery.

The longer stains, dirt and other deposits remain on the surfaces of vehicle components and upholstery, the more difficult it may be to clean them. If stains, dirt and deposits are left untreated for a long time, they may become impossible to remove.

More information:

- Exterior care and cleaning
- Parts, accessories, repairs and modifications

WARNING

Vehicle care products can be dangerous. Improper use can cause accidents, burns, poisoning, or other serious personal injuries.

- **Always store vehicle care products only in original containers that are securely closed.**
- **Always read and heed all the instructions and all WARNINGS on the package.**
- **To reduce the risk of poisoning, never use empty food or beverage containers that might mislead someone into drinking from them.**
- **Always keep vehicle care products out of the reach of children.**
- **Always use such products outdoors or in well-ventilated areas, because harmful vapors may be released when these products are used.**
- **Never use fuel, turpentine, engine oil, nail polish remover or other volatile fluids for vehicle care. They are poisonous and highly flammable.**

WARNING

Improper care and cleaning of vehicle components can compromise the vehicle's safety features and cause serious personal injury.

- **Always clean and maintain vehicle components according to manufacturer's instructions.**
- **Only use approved or recommended cleaners.**

NOTICE

- **Vehicle care products containing solvents can cause irreparable damage to plastics and other vehicle materials.**
- **Stains, dirt and other deposits that contain aggressive substances or solvents can corrode vehicle materials and cause permanent damage, even after brief contact with the surface.**
- **Remove stains, dirt, and other deposits as quickly as possible and do not allow them to dry.**
- **To help prevent damage, have stubborn stains removed by a professional who has the necessary expertise and experience.**

Suitable care products are available from authorized Volkswagen dealers and authorized Volkswagen Service Facilities.

Caring for upholstery

Please first read and note the introductory information and heed the WARNINGS .

Checklist

Please note the following when it comes to the care and preservation of the upholstery ⇒:

✓ Open Velcro® fasteners can damage upholstery, fabric, and trim. Before you get into the vehicle, close all Velcro® fasteners that could come into contact with upholstery fabrics and cloth trim.

✓ Sharp-edged objects and items on clothing and belts (such as belt clips, mobile phone cases, zippers, rivets, and rhinestones) can damage upholstery material and fabric trim. To help prevent damage, do not let such items come into direct contact with the upholstery and fabric trim.

✓ Dust and dirt particles in pores, folds, and seams can have a “scouring” effect on material and damage the surface. Remove dust and dirt regularly to help prevent permanent surface damage.

✓ Check clothing for color-fastness to help prevent upholstery discoloration, especially to light-colored upholstery.

NOTICE

Disregarding the upholstery-related checklist may lead to damage or discoloration of upholstery and fabric trim.

- **Please note and follow the points listed in the checklist.**

Volkswagen recommends having any discoloration removed by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Tires and wheels

Introduction

In this section you'll find information about:

Tire and wheel handling
Wheel rims
New and replacement tires
Tire inflation pressure
Tire inflation pressure in cold tires
Tire inflation pressure in cold tires
Tread depth and tread wear indicators
Tire wear and damage
Spare wheel or compact spare wheel
Tire labeling
Winter tires
Snow chainsGlossary of tire and loading terminology
Tires and vehicle load limits
Determining the correct load limit

Volkswagen recommends that all work on tires and wheels be done by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. They are familiar with the technical requirements and recommended procedures, have the necessary special tools and spare parts, and can properly dispose of old tires.

More information:

- Transporting
- Trailer towing
- Braking, stopping and parking
- Tire Pressure Monitoring System
- Exterior care and cleaning
- Vehicle tool kit
- Consumer information
- Wheel covers
- Changing a wheel

WARNING

New tires or tires that are old, worn or damaged cannot provide maximum control and braking performance.

- **Improper care and handling of tires and wheels can reduce driving safety and cause accidents and severe injuries.**
- **Install only radial tires of the same make, the same dimensions (tread circumference), and similar tread profile on all 4 wheels.**
- **New tires tend to be slippery and must be broken in. Always drive with special care for the first 350 miles (560 km) to help reduce the risk of losing control, a collision, and serious personal injuries.**
- **Check tire inflation pressure regularly when the tires are cold and always maintain the prescribed tire pressure. Low tire pressure can cause tires to get too hot, resulting in tread separation, sudden loss of pressure, and blowouts. Tires with excessively low pressure flex (bend) more, which can cause the tire to overheat and fail suddenly without warning.**
- **Check tires regularly for wear and damage.**
- **Never drive with worn or damaged tires (for example, tires with punctures, cuts, cracks, blisters, or bumps). Driving with worn or damaged tires can lead to loss of vehicle control, sudden tire failure including blowouts and sudden deflation, crashes, and serious personal injuries.**
- **Have worn or damaged tires replaced immediately.**
- **Never exceed the maximum speed rating or the maximum load rating of the tires on your vehicle.**
- **The effectiveness of the driver assistance systems and the braking support systems depends on the tire traction.**
- **If you notice unusual vibration or if the vehicle pulls to one side when driving, always stop as soon as it is safe to do so and check the wheels and tires for damage.**
- **To reduce the risk of losing control, crashes, and serious personal injuries, never loosen the bolts on wheels with bolted rim rings.**
- **Never mount used tires on your vehicle if you are not sure of their past use. Old, used tires and wheels may have damage that cannot be seen that can lead to sudden tire failure and loss of vehicle control.**
- **Tires age even if they are not being used and can fail suddenly, especially at high speeds, causing loss of vehicle control, accidents, and severe personal injuries. Tires that are more than 6 years old can be used only in an emergency and even then only with special care and at low speed.**

For technical reasons it is usually not possible to use wheel rims from other vehicles. Even wheel rims from the same model may not fit properly. Check with an authorized Volkswagen dealer or authorized Volkswagen Service Facility if necessary.

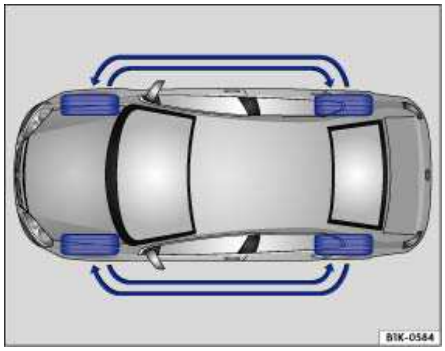

Fig. 143 Tire rotation diagram.

Please first read and note the introductory information and heed the WARNINGS ⚠

Tires may be the least appreciated and most abused parts of a motor vehicle. Tires are very important, since their small patches of rubber are the only contact between your vehicle and the road.

Maintaining correct tire pressure, making sure that your vehicle and its tires do not have to carry more weight than they can safely handle, and regularly inspecting tires for damage (such as cuts, slashes, irregular wear, and overall condition) are the most important things that you can do to help avoid sudden tire failure, including tread separation and blowout.

The tires and wheels are essential parts of the vehicle's design. The tires and wheels approved by Volkswagen are specially matched to the characteristics of the vehicle for good road holding and safe handling when in good condition and properly inflated.

Avoiding tire damage

- If you must drive over a curb or other obstacle, drive very slowly and as much as possible at a right angle to the curb with the tire tread of both front wheels contacting the curb at the same time.
- Regularly check tires for damage, such as punctures, cuts, tears and blisters.
- Remove embedded material in the tread profile that **has not yet penetrated the inside of the tire** 264.
- Heed all warning messages from the Tire Pressure Monitoring System
- Replace worn or damaged tires immediately
- Damage to tires and wheels is often not readily visible. If you notice unusual vibration or the vehicle pulls to one side, this may indicate that one of the tires is damaged. The tires must be checked immediately for **hidden damage** by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.
- Never exceed the load and permissible maximum speed rating of the tires
- Always keep aggressive chemicals including grease, oil, gasoline and brake fluid off the tires,

including the compact spare wheel ⇒ ⚠.

- Replace missing valve caps immediately.

Unidirectional tires

Unidirectional tires are designed to rotate only in one direction. Unidirectional tires have arrows on the sidewalls that show the direction of rotation. Unidirectional tires must always be mounted according to the specified direction of rotation in order to deliver their best grip, braking performance, low road noise, and good wear as well as good hydroplaning resistance.

If you have to mount a tire opposite to its proper direction of rotation, you must drive more carefully, since the tire is no longer being used as designed. This is particularly important on wet roads. You must replace or remount the tire as soon as possible in order to restore the correct direction of rotation.

Rotating tires

To help ensure even wear on all tires, regular tire rotation according to the diagram ⇒ fig. 143 is recommended. In this way all tires can have about the same service life.

Volkswagen recommends that you have your tires rotated by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Tires more than 6 years old

Tires age even if they are not being used. Physical and chemical processes reduce tire strength and performance and cause them to harden and become brittle. Old tires can fail suddenly and without warning.

Volkswagen recommends replacing tires that are 6 years and older. This also applies to tires that look new (including the tire on the compact spare wheel) or that seem to still be usable with tread depth that has not yet reached the legal minimum depth ⇒ ⚠.

The age of each tire can be determined with the manufacturing date that is part of the U.S. DOT tire identification number (TIN)

Tire storage

Mark tires before removing them to help make sure that the previous location (left, right, front, rear) and rolling direction can be maintained when remounting them. Store tires in a cool, dry and preferably dark place. Do **not** store tires mounted on wheels standing up.

Tires not mounted on wheels should be covered to help protect them from dirt and stored vertically (sitting on the tread).

⚠ WARNING

Aggressive fluids and materials can cause visible and invisible tire damage that can cause tire blowouts.

- **Always keep chemicals, oils, grease, fuels, braking fluids and other aggressive substances away from tires.**

⚠ WARNING

Tires age even if they are not being used and can fail suddenly, especially at high speeds, causing loss of vehicle control, accidents, and severe personal injuries.

- **Tires that are more than 6 years old can be used only in an emergency and even then only with special care and at low speed.**

Always dispose of old tires in accordance with legal requirements.

Wheel rims

Please first read and note the introductory information and heed the WARNINGS ⚠

The design of the wheel bolts is matched to the factory-installed wheels. If different wheels are installed, wheel bolts with the right length and bolt head shape must be used. This helps to ensure that wheels can be mounted securely and that the brakes will work correctly

In most cases, you cannot use wheel bolts from a different vehicle. Even wheel rims from the same model may not fit properly.

Tires and wheel rims approved by Volkswagen have been matched precisely to your vehicle model and contribute considerably to good handling and safe vehicle performance.

Tightening torque

Wheel bolts must always be installed with the correct tightening torque . The required tightening torque for your vehicle's wheel bolts is **88 ft-lbs (120 Nm)**. After changing a wheel, the bolt torque must be checked as soon as possible with an accurate torque wrench. See an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Wheel rims with bolted rim rings

Wheel rims with bolted rim rings have several parts. The parts are bolted together with special screws in a special process. This helps to ensure that they will work properly, prevent leaks, run true and safely. Damaged wheel rims must be replaced, and you must never take them apart or try to repair them yourself. Have an authorized Volkswagen dealer or an authorized Volkswagen Service Facility repair them for you ⇒ ⚠.

Wheel rims with bolted decorative covers

Light-alloy wheels may have interchangeable decorative covers attached to the rim with self-locking screws. If you want to replace damaged wheel covers, contact your authorized Volkswagen dealer or authorized Volkswagen Service Facility.

⚠ WARNING

Using improper or damaged wheel rims can affect driving safety, cause accidents and severe personal injury.

- **Use only wheel rims approved for the vehicle.**
- **Regularly check wheel rims for damage and replace them if necessary.**

⚠ WARNING

Improper loosening and tightening of the bolts on wheel rims with bolted rim rings can cause accidents and severe personal injury.

- **Never loosen bolted connections on wheel rims with bolted rim rings.**
- **Have all work on wheel rims with bolted rim rings performed by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.**

Tire inflation pressure

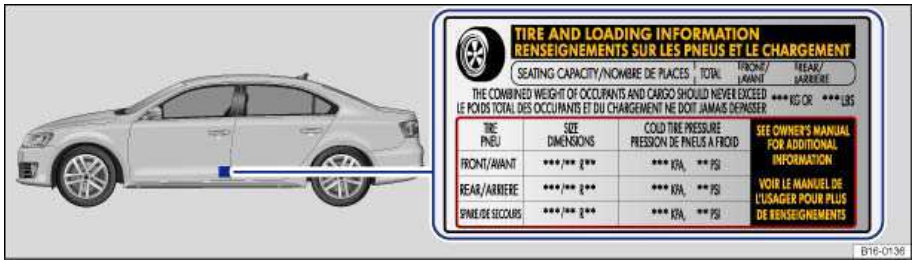

Fig. 144 Location of the tire inflation pressure label.

Please first read and note the introductory information and heed the WARNINGS ⚠

The correct tire inflation pressure for the factory-installed tires is listed on a label. The factory-installed tires may be summer, winter, or all-season tires. The label ⇒ fig. 144 is on the driver door jamb.

Under- or over-inflation significantly shortens the service life of your tires and affects the handling of the vehicle ⇒ ⚠. The correct tire pressure is very important, particularly when the vehicle is driven at **higher speeds**. Incorrect tire pressure causes increased wear and even sudden tire failure and blowouts.

Therefore, tire pressure should be checked at least once a month and always before long trips.

The specified tire inflation pressure applies to a **cold tire**. When tires are warm, the pressure will be higher than when the tires are cold.

Do not reduce the tire pressure on warm tires to match the required cold tire inflation pressure. The tire inflation pressure would then be too low and could cause sudden tire failure and blowout.

Tire inflation pressure in cold tires

Please first read and note the introductory information and heed the WARNINGS ⚠

Model	Engine	Tire size	Tire pressure		
			bar	psi	kPa
Jetta GLI	**2.0 L / 200 hp (147 kW) TSI**	225/45 R 17H	2.4	35	240
		225/40 R 18H	2.7	39	270
The Tire Pressure Monitoring System is configured at the factory with the correct tire inflation pressure applicable for the vehicle model, engine and factory-installed tires. The tire inflation pressure is listed on the tire inflation pressure label on the driver door jamb ⇒ fig. 144. The tire inflation pressures for the road tires are listed on this label. The inflation pressure for the compact spare is as specified on the tire pressure label or on a separate label for the compact spare, if there is one. In the event of a discrepancy between the above figures and the tire pressures listed on the tire inflation pressure label, the pressures listed on the label are the ones you should use. The listed pressure applies to all road tires. The Tire Pressure Monitoring System must be recalibrated using the SET button whenever you change or adjust the cold tire inflation pressures or remove and remount or change any wheel or tire on the vehicle, even if the reinstalled or replacement wheels and tires are identical to those that were removed and even if the tire pressure does not change					

Applicable only in Canada

Tire inflation pressure in cold tires

Please first read and note the introductory information and heed the WARNINGS ⚠ 257.

Model	Engine	Tire size	Tire pressure		
			bar	psi	kPa
Jetta GLI	**2.0 L / 200 hp (147 kW) TSI**	225/45 R 17H	2.4	35	240
		225/40 R 18H	2.7	39	270
The tire inflation pressure is also listed on the sticker inside the driver door jamb ⇒ fig. 144. The tire inflation pressures for the road tires are listed on this label. The inflation pressure for the compact spare is as specified on the tire pressure label or on a separate label for the compact spare, if there is one. In the event of a discrepancy between the above figures and the tire pressures listed on the tire inflation pressure label, the pressures listed on the label are the ones you should use. The listed pressure applies to all road tires.					

Tread depth and tread wear indicators

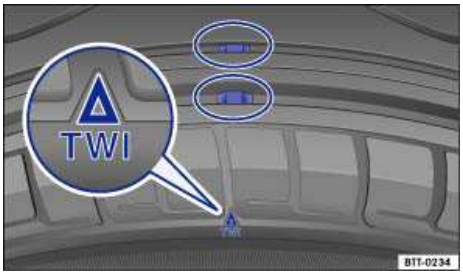

Fig. 145 Tread pattern: Wear indicator.

Please first read and note the introductory information and heed the WARNINGS ⚠

Tread depth

Most driving situations require as much tread depth as possible and similar tread depth for the tires on the front and rear wheels. This is especially true when driving in winter weather, at low temperatures and under wet conditions ⇒ ⚠.

In most countries the legally permissible minimum tread depth is 1/16 in (1.6 mm), as measured in tread grooves next to the wear indicators. Please be sure to obey country-specific legal requirements.

Winter tires are no longer suitable for winter operation once the tread pattern is worn down to a depth of 3/16 in (4.8 mm).

The tread depth of new tires can differ between tire models and manufacturers because of the different design features and tread patterns.

Tread wear indicator (TWI) in the tire

The 1/16 in (1.6 mm) high wear indicators are molded into the bottom of the tread grooves of the original tires running across the treads ⇒ fig. 145. Several wear indicators are evenly spaced around

the tire. Markings on the sides of the tires (for example “TWI” or symbols) show the position of the wear indicators.

Wear indicators show when the tires are worn down. The tires must be replaced no later than when the tread pattern is worn down to the wear indicators.

WARNING

Worn tires are dangerous and can cause loss of vehicle control including serious personal injuries.

- **Never drive a vehicle when the tread on any tire is worn down to the wear indicators, replace them sooner.**
- **Worn tires do not grip the road properly, especially on wet roads, increasing your risk of “hydroplaning” and loss of control.**
- **Worn tires reduce the ability of your vehicle to handle well in normal and difficult driving situations and increase braking distances and the risk of skidding.**

Tire wear and damage

Please first read and note the introductory information and heed the WARNINGS

Wheel rim and tire damage is often difficult to see. Unusual **vibrations** or **pulling to one-side** can be an indication of tire damage ⇒.

- If you suspect tire damage, immediately reduce speed!
- Check tires and wheel rims for damage.
- If a tire is damaged, do not drive any farther. Get expert assistance.
- If no external damage is visible, slowly and carefully drive to the nearest authorized Volkswagen dealer, authorized Volkswagen Service Facility, or other qualified workshop and have the vehicle checked.

Objects embedded in the tire

- If embedded objects have penetrated to the inside tire, do not remove them!
- Get professional help immediately.

Tire wear

Tire wear depends on several factors, including:

- Driving style.
- Unbalanced wheels.
- Wheel alignment.

Driving style – Fast cornering, hard acceleration and braking increase tire wear. If you experience increased tire wear under normal driving conditions, have the vehicle suspension checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Unbalanced wheels – The wheels on a new vehicle are balanced. When driving, however, various conditions can cause a wheel to become unbalanced. Unbalanced wheels can cause wear to the steering and suspension systems. Have all wheels rebalanced. A wheel must always be rebalanced if a new tire has been mounted.

Wheel alignment – Incorrect wheel alignment causes excessive and uneven tire wear, impairing vehicle safety. If you notice excessive or uneven tire wear, have the wheel alignment checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

WARNING

Unusual vibrations or pulling to one side can indicate tire damage.

- **Reduce speed immediately and stop when it is safe to do so.**
- **Check tires and wheel rims for damage.**
- **Never drive with a damaged tire or rim. Get expert assistance instead.**
- **If no external damage is visible, slowly and carefully drive to the nearest authorized Volkswagen dealer, authorized Volkswagen Service Facility, or other qualified workshop and have the vehicle checked.**

Spare wheel or compact spare wheel

Fig. 146 In the luggage compartment: Handwheel holding the spare wheel in place.

Fig. 147 In the luggage compartment: Compact spare wheel.

Please first read and note the introductory information and heed the WARNINGS

Stowing the replaced wheel

- Hook the floor covering on the upper edge of the luggage compartment.
- Put the wheel you took off the vehicle into the spare wheel well so that the center hole of the rim is aligned with the threaded pin.
- Turn the handwheel clockwise until the wheel is securely in place.

- If necessary, return the vehicle tool kit to its location in the luggage compartment.
- Unhook the floor covering and fold it back down onto the floor of the luggage compartment.
- Close the luggage compartment lid.

If the spare wheel is different from the road wheels

If the spare is different from the road wheels, a compact spare wheel, for example, or if the road wheels are winter tires, the spare wheel must be used only in the event of a flat tire, only for a brief time, and only when driving with extra caution ⇒ ⚠.

Replace it with a tire matching the others on your vehicle as soon as possible.

Please heed the following:

- Do not drive faster than 50 mph (80 km/h)!
- Avoid full-throttle acceleration, hard braking and fast cornering!
- Do not use snow chains on the compact spare wheel
- After installing the spare wheel or compact spare wheel, check the tire pressure as soon as possible

Check the tire inflation pressure of the spare or compact spare whenever you check the tire pressure of the road wheels, at least once a month. Inflate a **spare wheel** to the cold tire pressure specified for the vehicle's road wheels on the tire pressure label; inflate a **compact spare wheel** to the cold tire pressure specified for the compact spare on the tire pressure label or on a separate label for the compact spare, if there is one.

⚠ WARNING

Improper use of a spare wheel or a compact spare wheel can cause loss of vehicle control, a crash or other accident, and serious personal injury.

- **Never use a spare wheel or compact spare wheel if it is damaged or worn down to the wear indicators.**
- **In some vehicles, the spare wheel or compact spare wheel is smaller than the original tire. A smaller compact spare wheel is identified with a sticker and the words “50 mph” or “80 km/h”. This is the maximum permissible speed when driving with this tire.**
- **Never drive faster than 50 mph (80 km/h) with a compact spare wheel. Avoid full-throttle acceleration, heavy braking, and fast cornering!**
- **Never drive more than 125 miles (200 km) if a compact spare wheel is installed on the front axle (drive axle).**
- **Replace the compact spare with a normal wheel and tire as soon as possible. Compact spare tires are designed for brief use only.**
- **Regularly check the U.S. DOT Tire Identification Number (TIN) to determine the age of the compact spare wheel 267. Tires age even if they are not being used and can fail suddenly, especially at higher speeds.**
- **Tires that are more than 6 years old can only be used in an emergency and then with special care and at lower speeds.**
- **The compact spare wheel must always be secured with the wheel bolts provided by the factory.**
- **Never drive using more than one compact spare wheel.**
- **After installing the compact spare wheel, the tire pressure must be checked as soon as possible**
- **Snow chains cannot be used on the compact spare wheel. If you must use snow chains and have a compact spare wheel mounted, move the compact spare wheel to the rear axle if a front tire has to be replaced. The tire taken off the rear axle can then be used to replace the flat front tire. Be sure you do not change the tire's direction of rotation. Install the snow chains on the full-sized road tire.**

NOTICE

When the spare wheel or compact spare is being used, the TPMS indicator light can come on after a couple of minutes

If possible, attach the spare wheel, compact spare wheel, or wheel you took off the vehicle securely in the luggage compartment.

Tire labeling

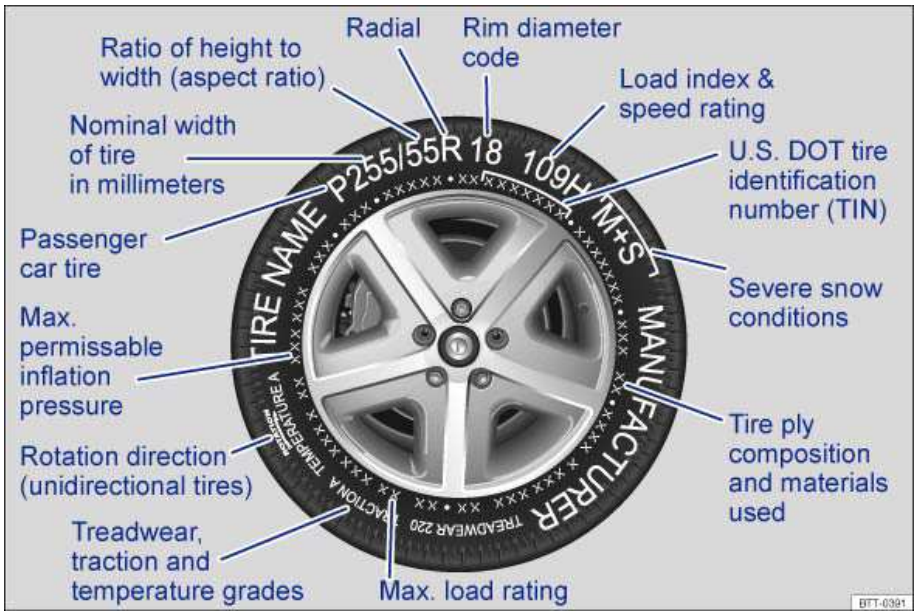

Fig. 148 International tire labeling.

Please first read and note the introductory information and heed the WARNINGS

Knowing about tire specifications makes it easier to choose the correct replacement tires. Radial tires have specifications marked on the sidewall.

Tire labeling (example)	Meaning	
Brand, Logo	*Manufacturer*	
Tire name	Individual tire designation of the manufacturer.	
P215 / 55 R 18	Dimensions:	
	P	Tire application: Passenger car
	255	Nominal sidewall-to-sidewall width of tire in millimeters.
	55	Ratio of height to width (aspect ratio)

Tire labeling (example)	Meaning	
	R	Tire belt design letter code for radial.
	18	Rim diameter (in inches)
95 H	Load rating code 269 and speed rating code	
XL	Indicates “reinforced” tire (heavy-duty)	
M+S *or* M/S	Indicates Mud and Snow capability (also M/S)	
RADIAL TUBELESS	Tubeless radial tire.	
E4 ...	Labeling according to international regulations (E) including number of the approving country. The multi-digit approval number is listed next.	
DOT BT RA TY5 1709	Tire identification number (**TIN**)[6] – In some cases the manufacturing date is only on one side of the tire:	
	DOT	The tire complies with the requirements of the United States Department of Transportation, responsible for issuing safety standards.
	BT	Identification letter of the manufacturing site.
	RA	Manufacturer information regarding tire dimensions.
	TY5	Tire characteristics provided by the manufacturer.
	1709	Manufacturing date: 17th week in 2009.
TWI	Marks the position of the treadwear indicator	
Made in Germany	Country of manufacture.	
MAX LOAD 615 KG (1356 LBS)	United States maximum load rating per wheel.	
MAX INFLATION 350 KPA (51 PSI)	United States maximum permissible inflation pressure.	
ROTATION	Rotation direction (unidirectional tires)	
SIDEWALL 1 PLY RAYON	Tire ply composition and materials used: 1 layer of rayon.	
TREAD 4 PLIES 1 RAYON + 2 STEEL + 1 NYLON	Tire tread composition and materials used: In this example there are 4 layers under the tread: 1 layer of rayon, 2 layers of steel belt and 1 layer of nylon.	
Consumer information regarding comparison to specified base tires (standardized test procedure) 283:		
TREADWEAR 220	Relative service life expectancy of the tire referenced to a U.S.-specific standard test.	
TRACTION A	Traction rating under wet conditions (AA, A, B or C).	
TEMPERATURE A	Temperature stability of the tire at increased test bench speeds (A, B or C).	
Additional numbers found on the tire could either be tire manufacturer internal labels or country-specific labels (such as for Brazil and China).		

[6] TIN represents the serial number of the tire.

Unidirectional tires

Unidirectional tires are designed to rotate only in one direction. Unidirectional tires have arrows on the sidewalls that show the direction of rotation. Make sure you mount the tire so that it rotates in the proper direction. The tire's performance with regard to hydroplaning, traction, noise, and wear is worse if it is not mounted in the proper direction of rotation.

If you have to mount a tire opposite to its proper direction of rotation, you must drive more carefully, since the tire is no longer being used as designed. This is particularly important on wet roads. You must replace or remount the tire as soon as possible in order to restore the correct direction of rotation.

Load rating code

The load index indicates the maximum permissible load per individual tire in pounds (kilograms).

91 1356 lbs (615 kg)

92 1388 lbs (630 kg)

93 1433 lbs (650 kg)

95 1521 lbs (690 kg)

97 1609 lbs (730 kg)

98 1653 lbs (750 kg)

99 1709 lbs (775 kg)

100 1763 lbs (800 kg)

101 1819 lbs (825 kg)

102 1874 lbs (850 kg)

103 1929 lbs (875 kg)

104 1984 lbs (900 kg)

110 2337 lbs (1060 kg)

Speed rating code letter

The speed rating code letter indicates the maximum permissible road speed of the tires.

P up to 93 mph (150 km/h)

Q up to 99 mph (160 km/h)

R up to 106 mph (170 km/h)

S up to 112 mph (180 km/h)

T up to 118 mph (190 km/h)

U up to 124 mph (200 km/h)

H up to 130 mph (210 km/h)

V up to 149 mph (240 km/h)

Z over 149 mph (240 km/h)

W up to 168 mph (270 km/h)

Y up to 186 mph (300 km/h)

Some tire manufacturers label tires with a maximum permissible road speed above 149 mph (240 km/h) with the letter combination “ZR.”

WARNING

Using incorrect or unmatched tires and/or wheels or improper tire and wheel combinations can lead to loss of control, collision and serious personal injury.

- **Always use tires, wheels and wheel bolts that meet the specifications of the original factory-installed tires or other combinations that have been specifically approved by the vehicle manufacturer.**
- **All 4 wheels must be fitted with radial tires of the same type, the same size (tread circumference), and the same tread pattern. Driving with different tires reduces vehicle handling and can lead to a loss of control.**
- **Never drive faster than the maximum speed for which the tires installed on your vehicle are rated because tires that are driven faster than their rated speed can fail suddenly.**
- **Overloading tires can cause heat build-up, sudden tire failure, including a blowout and sudden deflation and loss of control.**
- **Temperature grades apply to tires that are properly inflated and not over- or underinflated.**

Winter tires

Please first read and note the introductory information and heed the WARNINGS

Winter tires improve the handling characteristics of your vehicle significantly when driving under wintry road conditions. Summer tires have less traction on snow and ice because of their design (width, rubber composition, tread design). Volkswagen strongly recommends that you always have winter tires or all-season tires installed on all 4 wheels on your vehicle, especially when winter road conditions are expected. Winter tires also improve the vehicle's braking performance and help reduce stopping distances during winter weather. Volkswagen recommends installing winter tires once temperatures are below +45 °F (+7 °C).

Winter tires are no longer suitable for winter driving once the **tread pattern** is worn down to a depth of 3/16 in (4.8 mm). In addition, winter tire performance decreases with **age** – independent of the tread profile depth.

When using winter tires:

- Obey state and country-specific legal requirements.
- Install winter tires on all 4 wheels.
- Use winter tires only under wintry road conditions.
- Only use winter tires with dimensions approved for the vehicle.
- Use only winter tires of the same tire belt design, the same dimensions (tread circumference), and the same tread design.
- Follow speed restrictions according to the winter tire's speed rating code letter ⇒.

Speed restrictions

Winter tires are certified up to a top speed identified by speed rating code letters on the side wall

In some vehicle models it is possible to set a speed warning in the menu in the instrument cluster display

Top speed rating and tire inflation pressure for **V winter tires** depend on the engine installed in your vehicle. Be sure to ask you authorized Volkswagen dealer or authorized Volkswagen Service Facility about the maximum permissible speed and the required tire inflation pressure for the winter tires that you plan to use.

WARNING

Driving faster than the maximum speed for which the winter tires on your vehicle were designed can cause sudden tire failure including a blowout and sudden deflation, loss of control, crashes and serious personal injuries.

- **Winter tires have a maximum speed rating that may be lower than your vehicle's maximum speed.**
- **Never drive faster than the maximum speed for which the winter tires installed on your vehicle are rated because tires that are driven faster than their rated speed can fail suddenly.**
- **Never exceed the maximum load rating for the winter tires installed on your vehicle.**

Install summer tires promptly in the spring. Summer tires offer better handling characteristics for temperatures above +45 °F (+7 °C). They are quieter, do not wear as quickly, and reduce fuel consumption.

The Tire Pressure Monitoring System must be recalibrated using the SET button whenever you remove and remount or change any wheel or tire on the vehicle, even if the reinstalled or replacement wheels and tires are identical to those that were removed and even if the tire pressure does not change

If necessary, ask your authorized Volkswagen dealer or authorized Volkswagen Service Facility about permissible winter tire dimensions.

Snow chains

Please first read and note the introductory information and heed the WARNINGS

Obey local regulations as well as the applicable speed limits when driving with snow chains.

Snow chains improve forward motion, traction and braking characteristics under wintry conditions.

Snow chains may be used **only on the front wheels** and only in tire and wheel combinations that have been approved by Volkswagen.

Please contact your authorized Volkswagen dealer or authorized Volkswagen Service Facility about appropriate wheel, tire and snow chain dimensions.

If possible, use only chains with low profile links that are not thicker than 37/64 in. (15 mm) including the tensioner.

Remove center hubcaps and decorative rim rings before installing snow chains ⇒. However, for safety reasons, caps must be installed on the wheel bolts. These are available from authorized Volkswagen dealers and authorized Volkswagen Service Facilities.

Compact spare wheel

For technical reasons, snow chains cannot be used on the compact spare

If you must use snow chains and have a compact spare wheel mounted, move the compact spare wheel to the rear axle if a front tire has to be replaced. The tire taken off the rear axle can then be used to replace the flat front tire. Be sure to install the unidirectional tires so that they will run in the proper direction. Volkswagen recommends installing the snow chains before mounting the wheel to the vehicle.

WARNING

Using the wrong snow chains or installing snow chains improperly can cause accidents and severe personal injuries.

- **Always use the proper snow chains.**
- **Follow the installation instructions provided by the snow chain manufacturer.**
- **Never exceed the permissible speed limit when driving with snow chains.**

NOTICE

- **Remove snow chains when roads are free of snow. Otherwise, the chains can damage the tires, impair vehicle handling and can be quickly worn down.**
- **Snow chains can scratch or damage wheel rims if they have direct contact with the rims. Volkswagen recommends using coated snow chains.**

Glossary of tire and loading terminology

Please first read and note the introductory information and heed the WARNINGS .

Accessory weight

The combined weight (in excess of those standard items which may be replaced) of automatic transmission, electro-mechanical power steering, power brakes, power windows, power seats, radio, and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).

Aspect ratio

The ratio of sidewall height to tire width, expressed as a percentage. A number of 70 (0.7:1 or 70%) or lower indicates a low-profile tire with a shorter sidewall for improved steering response and better overall handling on dry pavement.

Bead

The part of a tire made of steel wires, wrapped or reinforced by ply cords, with the shape and structure to ensure proper fit to the wheel rim.

Bead separation

A breakdown of the bond between components in the bead.

Carcass

The tire structure, except tread and sidewall rubber which, when inflated, bears the load.

Chunking

The breaking away of pieces of the tread or sidewall.

Cord

The strands of material forming the plies in the tire.

Cord separation

The parting of cords from adjacent rubber compounds.

Cracking

Any parting within the tread, sidewall, or inner liner of the tire extending to cord material.

Cold tire inflation pressure

The tire pressure recommended by the vehicle manufacturer for a tire of a specified size that has not been driven for more than a couple of miles (kilometers) at low speeds in the 3 hour period before the tire pressure is measured or adjusted.

Curb weight

The weight of a motor vehicle with standard equipment including the maximum capacity of fuel, oil, and coolant, air conditioner, and additional weight of optional equipment.

Extra load tire

A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire.

Gross Axle Weight Rating (GAWR)

The load-carrying capacity of a single axle system, measured where the tire contacts the ground.

Gross Vehicle Weight Rating (GVWR)

The maximum loaded weight of the vehicle.

Groove

The space between 2 adjacent tread ribs.

Load rating (code)

The maximum load that a tire is rated to carry for a given inflation pressure. You may not find this information on all tires because it is not required by law.

Maximum load rating

The load rating for a tire at the maximum permissible inflation pressure for that tire.

Maximum loaded vehicle weight

The total of:

- Curb weight.
- Accessory weight.
- Vehicle capacity weight.
- Production options weight.

Maximum (permissible) inflation pressure

The maximum cold inflation pressure to which a tire may be inflated. Also called “maximum inflation pressure.”

Normal occupant weight

Means 150 lbs (68 kilograms) times the number of occupants seated in the vehicle up to the total seating capacity of your vehicle.

Occupant distribution

The placement of passengers in a vehicle.

Outer diameter

The diameter of a new, properly inflated tire.

Overall width

Total width measured at the exterior sidewalls of an inflated tire, including the additional width of labeling, decorations, or protective bands or ribs.

Passenger car tire

A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 pounds or less.

Ply

A layer of rubber-coated parallel cords.

Ply separation

A parting of rubber compound between adjacent plies.

Pneumatic tire

A mechanical device made of rubber, chemicals, fabric, and steel or other materials, that, when mounted on an automotive wheel, provides the traction and contains the gas or fluid that sustains the load.

Production options weight

The combined weight of installed regular production options weighing over 5 lbs (2.3 kg) more then the standard items they replace, and not previously considered as curb weight or accessory weight. These include, for example, heavy-duty brakes, ride levelers, roof rack, heavy-duty battery, and special trim.

Radial ply tires

A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread.

Recommended inflation pressure

The tire pressure recommended by the vehicle manufacturer for a tire of a specified size that has not been driven for more than a couple of miles (kilometers) at low speeds in the 3 hour period before the tire pressure is measured or adjusted.

Reinforced tire

A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire.

Rim

The outer edge of a wheel upon which the tire beads are seated.

Rim diameter

The nominal diameter of the wheel's tire bead seating surface. If you change your wheel size, to wheels of a different diameter, you will have to purchase new tires to match the new wheels.

Rim size

Designation means rim diameter and width.

Rim type designation

The industry or manufacturer's designation for a rim by style or code.

Rim width

The nominal distance between wheel rim flanges.

Section width

The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling decoration, or protective bands.

Sidewall

The portion of a tire between the bead and the tread.

Sidewall separation

The parting of the rubber compound from the cord material in the sidewall.

Speed rating (letter code)

A standardized letter code indicating the maximum speed at which a tire is designed to be driven for extended periods of time. The ratings range from 93 mph or 150 km/h (“P”) to 186 mph or (300 km/h) “Y”.

The speed rating letter code, where applicable, is molded on the tire sidewall . You may not find this information on all tires because it is not required by law.

Tire Pressure Monitoring System

A system that detects when at least one of a vehicle's tires is underinflated and illuminates a low tire-pressure warning light.

Tread

The portion of a tire that normally touches the road.

Tread rib

A tread section running circumferentially around a tire.

Tread separation

Tire failure caused by the tread pulling away from the tire carcass.

Tread wear indicators (TWI)

Raised areas within the main tread grooves that show, visually, when tires are worn and near the end of their useful life 263, *Tread depth and tread wear indicators*.

Uniform Tire Quality Grading (UTQG)

A tire information system developed by the U.S. National Highway Traffic Safety Administration (NHTSA) that is designed to help buyers compare tires. UTQG is not a safety rating, nor is it a guarantee that a tire will last for a certain number of miles or perform a certain way. It gives tire buyers more information to compare with factors such as price, brand loyalty and dealer recommendations. Under UTQG, tires are graded by the tire manufacturers in 3 areas: tread wear, traction and temperature resistance. UTQG information is molded into the tire sidewalls.

U.S. DOT Tire Identification Number (TIN)

A tire's serial number. It begins with the letters “DOT” (“Department of Transportation”) and indicates that the tire meets all federal standards. The next 2 numbers or letters indicate the plant where the tire was manufactured. The last 4 numbers represent the week and year of manufacture.

For example, the numbers 1709 mean that the tire was produced in the 17th week of 2009. Any other numbers are marketing codes used by the tire manufacturer. This information is used to help identify affected consumers if a tire defect requires a recall.

Vehicle capacity weight

The total rated cargo, luggage and passenger load. Passenger load is 150 lbs (68 kilograms) times the vehicle's total seating capacity (as listed on the label inside the driver door).

Vehicle maximum load on the tire

The load on an individual tire that is determined by taking each axle's share of the maximum loaded vehicle weight (GAWR) and dividing by 2.

Vehicle normal load on the tire

The load on an individual tire that is determined by taking each axle's share of the curb weight, accessory weight, and normal occupant weight (distributed according to the table below) and dividing by 2.

Wheel size designation

Wheel rim diameter and width.

Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, number of occupants	Vehicle normal load, number of occupants	Occupant distribution in a normally loaded vehicle
2, 3, or 4	2	2 in front
5	3	2 in front, 1 in back

Tires and vehicle load limits

Please first read and note the introductory information and heed the WARNINGS

There are limits to the load any vehicle or any tire can carry. A vehicle that is overloaded will not handle well and is more difficult to stop. Overloading can damage important parts of the vehicle. Overloading can also lead to blowout, sudden loss of pressure or other tire failure that can cause loss of control.

Your safety and the safety of your passengers depends on making sure that load limits are not exceeded. Vehicle load includes everybody and everything in and on the vehicle. These load limits are technically referred to as the vehicle's **Gross Vehicle Weight Rating (GVWR)**.

The GVWR includes the weight of the basic vehicle, all factory-installed and other accessories, a full tank of fuel, oil, coolant and other fluids plus maximum load. The maximum load includes the number of passengers that the vehicle is intended to carry (seating capacity) with an assumed weight of 150 lbs (68 kg) for each passenger at a designated seating position and the total weight of any luggage in the vehicle. If you tow a trailer, the weight of the trailer hitch and the tongue weight of the loaded trailer must be included as part of the vehicle weight. At altitudes above 3000 ft (1000 m), combined towing weight (vehicle plus trailer) must be reduced by 10% for every 3000 ft (1000 m).

The Gross Axle Weight Rating (GAWR) is the maximum load that can be carried at each of the vehicle's 2 axles (by the front or rear tires). GVWR and GAWR are listed on the safety compliance label on the driver door jamb. Your vehicle has 5 total seating positions: 2 in the front and 3 in back. Each seating position has a safety belt. Because there is an upper limit to your vehicle's total weight (GVWR), the weight of whatever is being carried (including the weight of a trailer hitch and the tongue weight of the loaded trailer) is also limited. More passengers, or passengers who are heavier than the assumed 150 lbs (68 kg), mean that less weight can be carried as luggage or other cargo. The tire pressure label on your Volkswagen also lists the maximum combined weight of all of the occupants and luggage or other cargo that the vehicle can carry.

WARNING

Overloading a vehicle can cause loss of vehicle control, a crash or other accident, serious personal injury, and even death.

- **Carrying more weight than your vehicle was designed to carry will prevent the vehicle from handling properly and increase the risk of the loss of vehicle control.**
- **The brakes on a vehicle that has been overloaded may not be able to stop the vehicle in a safe distance.**
- **Tires on a vehicle that has been overloaded can fail suddenly, including a blowout and sudden deflation, causing loss of control and a crash.**
- **Always make sure that the total load being transported – including the weight of a trailer hitch and the tongue weight of a loaded trailer – does not make the vehicle heavier than the vehicle's Gross Vehicle Weight Rating.**

Determining the correct load limit

Please first read and note the introductory information and heed the WARNINGS

Never overload tires. The following example illustrates how to determine the combined weight of all vehicle occupants and luggage or other vehicle payloads. Never overload the vehicle!

Steps for Determining Correct Load Limit:

1.	Locate the statement “THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED XXX KG OR XXX LBS” on your vehicle's placard (tire inflation pressure label) .
2.	Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3.	Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
4.	The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5 x 150) = 650 lbs.)
5.	Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
6.	If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this Manual to determine how this reduces the available cargo and luggage capacity of your vehicle.

Check the tire sidewall to determine the load index specified for the tire.

Parts, accessories, repairs and modifications

Introduction

In this section you'll find information about:

Break-in period

Parts and accessories

Operating fluids and equipment

Repairs and technical modifications

Repairs and other things that can affect Advanced Airbag performance

CB radio equipment

Notice about data recorded by vehicle control modules

Using a mobile phone in a motor vehicle when it is not connected to the vehicle telephone antenna - some important things to know

Lift points for the vehicle

More information:

- Safety belts
- Airbag system
- Roof rack
- Trailer towing
- 12 Volt sockets
- Braking, stopping and parking
- Starting assistance systems
- Rear Assist
- Cruise control system (CCS)
- Tire Pressure Monitoring System
- Preparations for working in the engine compartment
- Engine oil
- Engine coolant
- Vehicle battery
- Exterior care and cleaning
- Interior care and cleaning
- Consumer information
- ⇒ Booklet *Radio*
- ⇒ Booklet *Navigation system*
- ⇒ Booklet *Mobile Phone Package*

WARNING

Inappropriate spare parts and accessories as well as improperly performed work, modifications and repairs can cause vehicle damage, accidents and serious personal injuries.

- **Volkswagen strongly recommends to only use accessories approved by Volkswagen and Genuine Volkswagen Parts®. These parts and accessories have been evaluated by Volkswagen for their suitability, reliability and safety.**
- **Have repairs and vehicle modifications performed by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities have the required tools, diagnostic equipment, repair information, and trained personnel to properly replace any airbag in your vehicle and assure system effectiveness in a crash.**
- **Only install parts on the vehicle that are consistent with factory-installed parts with respect to design and characteristics.**
- **Never store, mount, or attach objects, such as cup holders or phone cradles, on or next to the airbag module covers or within the airbags deployment zones.**
- **Only use wheel rim/tire combinations approved by Volkswagen for the respective vehicle type.**

Break-in period

Please first read and note the introductory information and heed the WARNINGS

Note applicable requirements for breaking in new parts.

Breaking in a new engine

A new engine must be carefully broken in during the first 1000 miles (1600 kilometers). During the first few hours of driving, the engine's internal friction is higher than later when all moving parts have been broken in.

Engine life is influenced by how you drive the vehicle for the first 1000 miles (1600 km). Even afterwards, driving at moderate engine speeds, especially when the engine is cold, will tend to reduce engine wear and help the engine to last longer and go farther. But do not drive at an excessively low engine speed, either. Always downshift if the engine is not running smoothly. **For the first 600 miles (1000 km):**

- Do not use full throttle.
- Don't let the engine speed get above 2/3 the maximum speed.
- Do not tow a trailer.

From 600 to 1000 miles (1000 to 1600 km): Speed may *gradually* be increased to maximum permissible road and engine speed.

New tires and brake pads

- New tires and replacement tires
- Brakes

Breaking in a new engine gently will increase service life and reduce oil consumption.

Parts and accessories

Please first read and note the introductory information and heed the WARNINGS

Volkswagen recommends that you consult an authorized Volkswagen dealer or authorized Volkswagen Service Facility before purchasing accessories, spare parts or other equipment. Always do so if you want to install additional accessories or replace parts. Your authorized Volkswagen dealer or authorized Volkswagen Service Facility can provide information about legal requirements and factory-recommended accessories, spare parts, and other equipment.

WARNING

Improper vehicle modifications and repairs affect the performance of the airbag system and cause malfunctions and severe personal injuries.

- **Never store, mount, or attach objects, such as cup holders or phone cradles, on or next to the airbag module covers or within the airbag deployment zones.**
- **Objects on or near the surface where airbags are located can come loose and cause serious personal injury if the airbag deploys.**

Operating fluids and equipment

Please first read and note the introductory information and heed the WARNINGS

Operating fluids and parts that wear out with use (such as timing belts, tires, engine coolants, engine oils, spark plugs, and vehicle batteries) are constantly being improved. For this reason, it is important to have operating fluids changed and wearing parts replaced by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are always up-to-date regarding new developments and changes.

WARNING

Improper use of operating fluids and equipment can cause accidents, serious personal injuries, burns and/or poisoning.

- **Always store vehicle care products in a safe place in original containers that are securely closed.**
- **To reduce the risk of poisoning, never use empty food or beverage containers that might mislead someone into drinking from them.**
- **Always keep vehicle care products out of the reach of children.**
- **Always read and heed all the instructions and all WARNINGS on the package before using vehicle care products.**
- **When using products that give off harmful fumes, always work outdoors or in a well ventilated area.**
- **Never use fuel, turpentine, engine oil, nail polish remover or other volatile fluids for vehicle care. They are poisonous and highly flammable. They could cause fires and explosions!**

NOTICE

- **Only refill with suitable operating fluids. When changing or topping off fluids, make sure that you pour the fluids into the correct reservoirs. Adding incorrect fluids will cause serious malfunctions and engine damage! Under no circumstances should you mix up operating fluids. Otherwise serious malfunctions and engine damage can occur!**

- **Accessories and other things installed in front of the cooling air intakes impair the efficiency of the engine coolant. The engine can overheat under high outside temperatures or under high engine loads!**

Leaking operating fluids can pollute the environment. Collect leaking operating fluids in suitable containers and dispose of them properly in accordance with applicable environmental laws and regulations.

CB radio equipment

Please first read and note the introductory information and heed the WARNINGS

An outside antenna is required for the operation of radio equipment in the vehicle.

Volkswagen approves the operation of radio equipment in the vehicle under the following conditions:

- Professionally installed outside antenna.
- Maximum transmission power 10 watts.

Optimal device coverage can only be assured when an outside antenna is properly installed.

Consult with an authorized Volkswagen dealer or authorized Volkswagen Service Facility if you would like to use a radio with transmission power higher than 10 watts. Authorized Volkswagen dealers and authorized Volkswagen Service Facilities are familiar with technical possibilities for the installation of aftermarket equipment or can advise you where equipment can be professionally installed. Obey legal requirements as well as instructions and operational guidelines provided by the equipment manufacturer in the operating manuals for the radio equipment.

WARNING

Loose or improperly installed radio equipment can be thrown around the passenger compartment during sudden driving or braking maneuvers or a crash and cause serious personal injuries.

- **Always install radio equipment properly and securely outside of the airbag deployment zones.**

WARNING

Using a radio device in the vehicle without connection to an outside antenna can exceed electromagnetic radiation thresholds. This also applies if the outside antenna is not installed properly.

- **Use a CB radio in the vehicle only with a professionally installed and connected outside antenna.**

Notice about data recorded by vehicle control modules

Please first read and note the introductory information and heed the WARNINGS

Your vehicle is **not equipped** with an Event Data Recorder (EDR).

EDRs, sometimes called “crash recorders,” are installed by some manufacturers for the express purpose of capturing data for retrieval after an accident or crash event.

Some state laws restrict the retrieval or downloading of data stored by EDRs installed in a vehicle for the express purpose of retrieving data after an accident or crash event without the owner's consent.

Although your vehicle is not equipped with an EDR, it is equipped with a number of electronic control modules for various vehicle systems, such as engine management, emission control, airbags, and safety belts.

These electronic control modules also record data during normal vehicle operation for diagnostic and repair purposes. Their recording capability is limited to data (no sound is recorded). Only a small amount of data is actually recorded over a very limited period of time, or stored when a system fault is detected by a control module. Some of the data stored may relate to vehicle speed, direction, or braking, as well as restraint system use and performance in the event of a crash. Stored data can only be read and downloaded with special equipment.

Using a mobile phone in a motor vehicle when it is not connected to the vehicle telephone antenna - some important things to know

Please first read and note the introductory information and heed the WARNINGS

Mobile or cellular telephones send and receive radio waves, sometimes called “radiofrequency energy” (RF energy), both when they are being used and when they are in standby mode. Current scientific literature indicates that radio waves that exceed a certain level can have effects on the human body. Limits and guidelines have been established by governmental authorities and international committees in an effort to keep the electromagnetic radiation from cellular phones at levels that will not cause health problems. However, there is no scientifically based proof that wireless phones are absolutely safe.

Therefore some experts recommend a precautionary approach regarding the use of cellular phones by taking measures that lower the personal exposure to electromagnetic fields. When using a cellular telephone inside a motor vehicle without a proper connection to an integrated vehicle telephone antenna, the personal exposure to electromagnetic fields will be higher than when using the cellular telephone while properly connected to an integrated or other outside vehicle telephone antenna.

Your vehicle may be equipped with an optional hands-free system that will permit many of the features of compatible Bluetooth® enabled cellular telephones to be used for greater convenience and is consistent with the laws of an increasing number of states and localities that prohibit the use of cellular telephones without some kind of hands-free device.

The hands-free system in your vehicle can be used with certain cell phones that are connected by wire and hardware connector or via compatible Bluetooth® enabled phones with a cradle that is designed to fit your cellular telephone. The special cradle offers several advantages: The phone cradle must be safely secured to the base plate. Your phone is firmly attached to the instrument panel and is within reach at all times. Placing the phone in its cradle permits it to be charged, but more importantly connects the mobile phone to the vehicle's outside antenna. A cellular telephone that is properly connected to the integrated or other outside vehicle telephone antenna will lower the personal exposure to electromagnetic fields. You should also experience a better quality of service. Although a cellular telephone can be used inside your vehicle without a cradle, the phone will not be securely attached to the vehicle, will not be charged through the cradle wiring, and more importantly will not be connected to the vehicle's integrated telephone antenna. The mobile phone will also not be recharged. You might also experience more dropped calls and an overall impaired quality of the connection.

Therefore we strongly recommend that you use your cellular telephone in your vehicle only when it is properly attached to an appropriate cradle mounted on a base plate on the instrument panel.

Because of the large number and variety of cellular telephones on the market and the frequency with which new models are introduced, Volkswagen does not offer cradles for cellular telephones. Please check with the manufacturer of the cellular telephone that you plan to use.

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

WARNING

A mobile phone on the seat, instrument panel or in other places can be thrown around the inside of the vehicle during a sudden braking maneuver, a crash or other accident and injure vehicle occupants.

- **Never place or attach accessories or other objects (such as cup holders, telephone brackets, note pads, navigation systems, large, heavy or bulky objects) on the doors, on the windshield, over or near the area marked "AIRBAG" on the steering wheel, instrument panel, backrests or between these areas and the occupant. Such objects could cause serious injury in a collision, especially if an airbag inflates.**

WARNING

Using a mobile phone or CB radio inside the vehicle without a properly installed and separate outside antenna can be dangerous to your health and that of your passengers because the electromagnetic radiation energy that cell phones and CB radios emit may be above established limits. This also applies if the outside antenna is not installed properly.

- **Always keep the mobile phone antenna at least 8 in. (20 cm) away from pacemakers. Heart specialists advise that cell phones can adversely affect the way pacemakers work.**
- **Never carry a mobile phone that is switched on in the breast pocket directly over a pacemaker.**
- **If you suspect there may be interference with a pacemaker or other medical device, switch the mobile phone off immediately.**

Consumer information

Introduction

In this section you'll find information about:

Stickers and labels
Operating your vehicle outside of the United States and Canada
Radio antenna and reception
UTQG classification
Volkswagen service information

More information:

- Exterior views
- Starting assistance systems
- Parts, accessories, repairs and modifications
- ⇒ Booklet *Warranty and Maintenance*

WARNING

Improper vehicle care and use, as well as improper changes to the vehicle, increase the risk of accidents and injuries.

- **Obey all applicable legal requirements.**
- **Read your Owner's Manual and heed all WARNINGS.**

NOTICE

Improper vehicle care and use, as well as improper changes to the vehicle, can result in damage to the vehicle.

- **Obey all applicable legal requirements.**
- **Perform service according to the specifications in the ⇒ Booklet *Warranty and Maintenance*.**
- **Read your Owner's Manual and heed all WARNINGS.**

Stickers and labels

Please first read and note the introductory information and heed the WARNINGS

Factory-installed safety certificates, stickers and signs containing important information regarding vehicle operation can be found in the engine compartment and on certain vehicle components, such as inside the fuel filler flap, on the passenger sun visor, in the driver door jamb or on the luggage compartment floor.

- Do not remove, alter or render unusable or illegible any safety certificates, stickers and labels.
- If vehicle components bearing safety certificates, stickers, or labels are replaced, make certain that the firm doing the work attaches new conforming certificates, stickers, or labels to the same part of the new components.

Safety Compliance Certification Label

A safety certificate affixed to the door jamb in the driver door confirms that at time of production all necessary safety standards and requirements of the traffic safety agency of the respective country were met. The month and year of production as well as the vehicle identification number may be listed as well.

Radiator fan and high voltage warning sticker

A warning sticker about the radiator fan and the high voltage of the electrical system is located in the engine compartment next to the engine hood release. The vehicle ignition system complies with the Canadian standard ICES-002.

Operating your vehicle outside of the United States and Canada

Please first read and note the introductory information and heed the WARNINGS

Government regulations in the United States and Canada require that automobiles meet specific emission regulations and safety standards. Therefore, vehicles built for the U.S. and Canada differ from vehicles sold in other countries.

If you plan to take your vehicle outside the continental limits of the United States or Canada, there is the possibility that:

- Unleaded fuels for vehicles with catalytic converters may not be available.
- Fuel may have a considerably lower octane rating and may cause engine damage.
- Service may be inadequate due to lack of proper service facilities, tools or testing equipment.
- Replacement parts may not be readily available.
- DVD navigation systems for vehicles built for the United States and Canada will not necessarily work in Europe, and may not work in other countries outside of North America.

NOTICE

Volkswagen is not responsible for mechanical damage that may result from substandard fuel or service or the unavailability of Genuine Volkswagen parts.

- **Volkswagen is not responsible if the vehicle does not meet the respective legal requirements in other countries and continents.**

Radio antenna and reception

Please first read and note the introductory information and heed the WARNINGS

If the radio and navigation systems were installed at the factory, the radio antenna may be installed in different locations in the vehicle:

- On the inside of the rear window with the rear window defroster,
- On the inside of the rear side windows,
- On the inside of the windshield,
- On the vehicle roof.

Antennas on the insides of windows are thin wires.

NOTICE

Antennas installed on the insides of windows can be damaged by abrasive objects or by corrosive or acidic cleaning agents or other chemicals. Do not place any stickers on the windshield-integrated antenna and never clean the antenna with corrosive or acidic cleaning agents or other chemicals.

If electrical devices are operated close to the integrated windshield antenna, interference with AM radio reception may occur.

UTQG classification

Please first read and note the introductory information and heed the WARNINGS

Uniform Tire Quality Grading (UTQG): Quality grades can be found where applicable on the tire sidewall between the tread shoulder and maximum section width. Example:

- Treadwear (number)
- Traction: AA, A, B or C
- Temperature: A, B or C

For example: Treadwear 200, Traction AA, Temperature A.

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 (Treadwear-value 150) would wear one-and-one-half (1 1/2) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance ⇒.

Temperature

The temperature grades are A (the highest), B, and C representing the tire's resistance to the generation of heat, and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law ⇒.

WARNING

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning or peak traction characteristics.

WARNING

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Volkswagen service information

Please first read and note the introductory information and heed the WARNINGS

Volkswagen service information is published as soon as possible after model introduction.

To order service information contact:

Volkswagen Technical Literature Ordering Center

www.vw.techliterature.com

WARNING

Improperly performed repairs and modifications can cause vehicle damage and malfunctions, and can impair the efficiency of driver assistance systems and the airbag system. This can lead to accidents and severe personal injuries.

- **Have repairs and vehicle modifications performed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.**

Declaration of Compliance, Telecommunications and Electronic Systems

Radio Frequency Devices and Radiocommunication Equipment User Manual Notice.

Radio-based equipment

- Mobile Phone Package
- Electronic immobilizer
- Remote control vehicle key
- Keyless Access locking and starting system

These devices comply with:

FCC Part 15.19

These devices comply with **Part 15 of the FCC Rules**. Operation is subject to the following 2 conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15.21

CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

These devices comply with **RSS-210 of Industry Canada**.

Operation is subject to the following 2 conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Applicable only in the United States

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Volkswagen of America, Inc. 3800 Hamlin Road, Auburn Hills, MI 48326.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Volkswagen of America, Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153);

go to http://www.nhtsa.gov

or write to:

Administrator
NHTSA
1200 New Jersey Avenue, SE.
Washington, D.C. 20590

You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

Applicable only in Canada

Reporting Safety Defects

If you live in Canada and you believe that your vehicle has a defect that could cause a crash, injury or death, you should immediately inform Transport Canada, Defect Investigations and Recalls. You should also notify Volkswagen Canada, Inc.

Transport Canada

Canadian customers who wish to report a safety-related defect to Transport Canada, Defect Investigations and Recalls, may either call Transport Canada toll-free at

Phone: 1-800-333-0510 or
1-819-994-3328 (Ottawa region and from other countries)

or contact Transport Canada by mail at:

Transport Canada
Motor Vehicle Safety Investigations Laboratory
80 Noel Street
Gatineau, QC
J8Z 0A1

For additional road safety information, please visit the Road Safety website at:

http://www.tc.gc.ca/eng/roadsafety/menu.htm

Engine control and emission control system

Introduction

In this section you'll find information about:

Indicator lights
Catalytic converter

More information:

- Shifting gears
- Refueling
- Fuel
- Engine oil
- Vehicle battery
- Notice about data recorded by vehicle control modules
- Towing

WARNING

The vehicle exhaust system and the catalytic converter get very hot. This can cause a fire and serious personal injury.

- **Never park where parts of the hot exhaust system and catalytic converter could ignite flammable materials, such as brush, leaves, dry grass, spilled fuel, etc.**
- **Never apply additional undercoating or rust proofing on or near the exhaust manifold, exhaust pipes, catalytic converter, or heat shields.**

WARNING

California Proposition 65 Warning

- **Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm.**

Indicator lights

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
EPC	Engine control malfunction (Electronic Power Control).	Have engine checked immediately by an authorized Volkswagen dealer or authorized Volkswagen Service Facility.

Lights up	Possible cause	Proper response
	Engine control/monitoring system malfunction (engine Malfunction Indicator Light - MIL)	Ease off the accelerator. Carefully drive to the nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility. Have engine checked.

Flashes	Possible cause	Proper response
	Misfire, which can damage the catalytic converter.	Ease off the accelerator. Carefully drive to the nearest authorized Volkswagen dealer or authorized Volkswagen Service Facility. Have engine checked.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

As long as the indicator lights x or EPC are on, expect engine malfunctions, increased fuel consumption, and loss of engine efficiency.

Catalytic converter

Please first read and note the introductory information and heed the WARNINGS .

The catalytic converter provides exhaust gas after-treatment to help reduce pollutants in the exhaust gas. To help ensure long service life of the exhaust system and gasoline engine catalytic converter:

- Only use unleaded fuel.
- Never completely empty the fuel tank.
- Do not exceed the correct oil level
- Do not tow the vehicle to start it, but use a jump-start instead

If you experience misfires, loss of power or the engine is not running smoothly while driving, reduce speed immediately and have the vehicle checked by an authorized Volkswagen dealer or authorized Volkswagen Service Facility. Otherwise, gasoline could reach the exhaust system and get into the atmosphere. The catalytic converter could also be damaged by overheating!

In an emergency

Introduction

In this section you'll find information about:

Protecting yourself and the vehicle

More information:

- Braking, stopping and parking
- Emergency closing and opening
- Vehicle tool kit
- Changing a wheel

WARNING

A vehicle breakdown in traffic is dangerous and creates a great risk for you, your passengers, and others.

- **Always stop the vehicle as soon as it is safe to do so. Move the vehicle a safe distance off the road where it is safe to park and, if necessary, lock all doors in an emergency. Turn on the emergency flashers and set up another warning device about 25 yards (25 meters) behind the vehicle to warn approaching traffic.**
- **Never leave children, disabled persons, or anyone who cannot help themselves alone in the vehicle when locking the doors. This could result in people being trapped in the vehicle in an emergency. Depending on the time of year, people trapped in the vehicle can be exposed to very high or very low temperatures.**

Protecting yourself and the vehicle

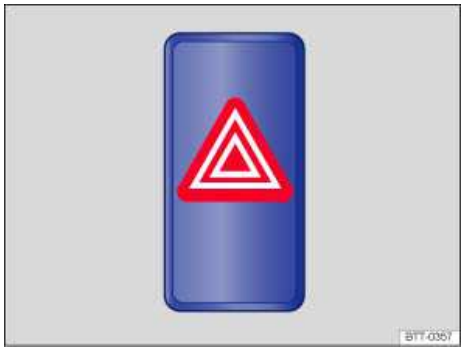

Fig. 151 In the center of the instrument panel: Switch for emergency flashers.

Please first read and note the introductory information and heed the WARNINGS

Obey all legal requirements regarding protecting a broken-down vehicle. For example, turning on the emergency flashers and wearing a safety vest are mandatory in many countries.

Checklist

For your own safety and that of your passengers, carry out the following steps in the order listed ⇒ ⚠:

1. Park the vehicle at a safe distance from traffic and on a suitable surface ⇒ ⚠.
2. Switch on emergency flashers by pressing the ⚠ switch ⇒ fig. 151.
3. Apply the parking brake to help prevent the vehicle from moving
4. Shift the transmission into Park **(P)** (automatic) or Neutral (manual only)
5. Stop the engine and remove the key from the ignition switch
6. Have all passengers exit and go to a safe location away from moving traffic, such as behind a guard rail.
7. Take all vehicle keys with you when leaving your vehicle.
8. Set up a warning triangle or other warning device in order to alert other motorists and cyclists.
9. Let the engine cool down and get expert assistance if necessary.

If the emergency flashers are on, use the turn signal lever to indicate a direction or lane change, for example when the vehicle is being towed. This temporarily interrupts the emergency flashers.

Switch on the emergency flashers when:

- Traffic suddenly slows down or stops in front of you to warn those approaching from behind.
- In any emergency situation.
- If the vehicle breaks down.
- When being towed.

Always obey traffic laws that govern the use of emergency flashers where you are driving.

If the emergency flashers are not working, a different method – as permitted by law – must be used to alert other motorists and cyclists to the breakdown.

⚠ WARNING

Disregarding the safety-related checklist may lead to accidents and serious personal injuries.

- **Always review and follow the checklist. Follow accepted safety practices and use common sense.**

⚠ WARNING

The vehicle exhaust system and the catalytic converter get very hot. They can cause fires and serious personal injury.

- **Never park where parts of the hot exhaust system or catalytic converter could ignite flammable materials, such as dry grass, brush, leaves, spilled fuel, etc.**

ⓘ The vehicle battery will be drained if the emergency flashers are on for a long time – even if the ignition is switched off.

Emergency closing and opening

Introduction

In this section you'll find information about:

Manually unlocking and locking the driver door

Manually locking the passenger door and rear doors

Opening the luggage compartment lid from inside the luggage compartment

Emergency closing of the power sunroof

Emergency release for the selector lever

The doors, the luggage compartment lid, and the power sunroof can be manually locked and, in some cases, unlocked if necessary, for instance because the power locking system or the remote control vehicle key malfunctions.

More information:

- Vehicle key set
- Power locking and closing system
- Doors
- Luggage compartment lid
- Power sunroof
- In an emergency

WARNING

Serious injuries can result if the emergency closing and opening procedures are used carelessly.

- **Never leave children, disabled persons, or anyone who cannot help themselves in the vehicle. The doors can be locked with the remote control vehicle key. This could result in people being trapped in the vehicle in an emergency.**
- **A closed vehicle can become very hot or very cold, depending on the season. Particularly in the summer, heat build-up in the passenger and luggage compartment of a parked vehicle can result in temperatures in the vehicle that are much higher than the outside temperatures. Temperatures can quickly reach levels that can cause unconsciousness and death, particularly to small children.**

WARNING

Careless opening and closing of doors, the luggage compartment lid, and the power sunroof is dangerous and can cause serious personal injury.

- **Open or close doors, the luggage compartment lid, and the power sunroof only when no one is in the way.**

NOTICE

To help prevent vehicle damage, carefully remove and properly reinstall parts after emergency locking or unlocking.

Manually unlocking and locking the driver door

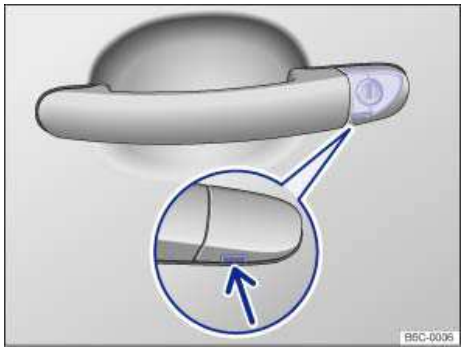

Fig. 152 Door handle on driver door: Concealed lock cylinder.

Please first read and note the introductory information and heed the WARNINGS

When locking the vehicle manually, all doors are locked. Keep the key turned in the locking position to close the windows and the power sunroof (convenience closing). When the vehicle is unlocked manually, only the driver door is unlocked. Keep the key turned in the unlocking position to open the windows. Note the instructions for the anti-theft alarm system

- Unfold the key bit from the remote control vehicle key
- Insert the key bit from below into the opening of the cover cap on the driver door ⇒ fig. 152 (arrow) and lift the cover cap off. Grasping the door handle and pulling slightly makes it easier to remove the cap.
- Insert the key bit into the lock cylinder of the driver door and unlock or lock the door.
- Reinsert the cover cap from top to bottom and press until it clicks into place. Grasping the door handle and pulling slightly makes it easier to reinstall the cap.

Special considerations when unlocking:

- If the vehicle is equipped with an anti-theft alarm system, the system remains activated for the unlocked vehicle. But the alarm is not triggered at first
- Open the driver door. The alarm will sound.
- Switch on the ignition. The electronic immobilizer recognizes a valid remote control vehicle key when the ignition is switched on and deactivates the anti-theft alarm system.

The driver door can be unlocked separately from the inside the vehicle by pulling the door handle to open the door

The anti-theft alarm system, when installed, is not activated when the vehicle is locked manually with the key bit

Manually locking the passenger door and rear doors

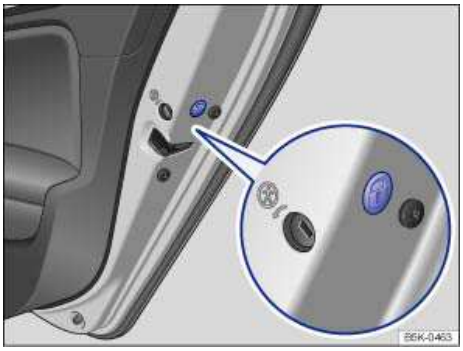

Fig. 153 On the front side of the right rear door: Emergency lock, covered by a rubber seal.

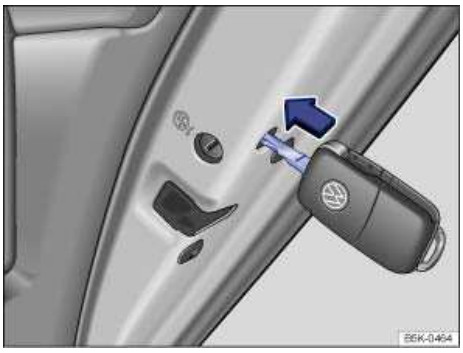

Fig. 154 On the front side of the right rear door: Manual vehicle locking with the key bit in the vehicle key.

Please first read and note the introductory information and heed the WARNINGS

The passenger door and rear doors can each be locked manually. This will **not** activate the anti-theft alarm system, when installed.

- Open the door.
- Remove the rubber seal on the front side of the door. The seal is marked with a lock W ⇒ fig. 153.
- Unfold the key bit from the remote control vehicle key
- Insert the key bit into the slot and turn ⇒ fig. 154. If there is a colored lever instead of a slot, press the colored lever forward.
- Reinsert the rubber seal and completely close the door.
- Make sure that the door is locked.
- Repeat the procedure for other doors if necessary.
- Have the vehicle checked immediately by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Doors can be unlocked and opened separately from inside the vehicle by pulling the door handle to open the door

Opening the luggage compartment lid from inside the luggage compartment

Fig. 155 Behind the rear seat backrest: Release of the rear seat back.

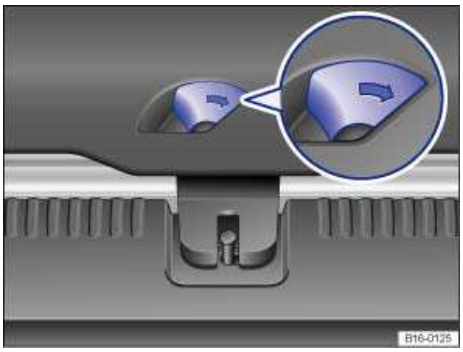

Fig. 156 Opening the luggage compartment lid from inside the luggage compartment.

Please first read and note the introductory information and heed the WARNINGS ⚠

- To release the rear seat backrest, insert the vehicle key into the slot in the shelf behind the rear seat backrest ⇒ fig. 155 and push in the direction of the arrow.
- Fold the rear backrests forward.
- Remove luggage in order to reach the luggage compartment lid from the inside.

Opening the luggage compartment lid from inside the luggage compartment:

- Push the lever in the direction of the arrow ⇒ fig. 156. The luggage compartment lid unlatches. Push the luggage compartment lid to open.

The release lever glows in the dark to help it be seen in low-light conditions.

Emergency closing of the power sunroof

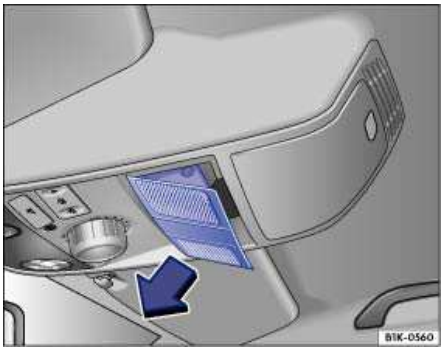

Fig. 157 In headliner: Removing cover.

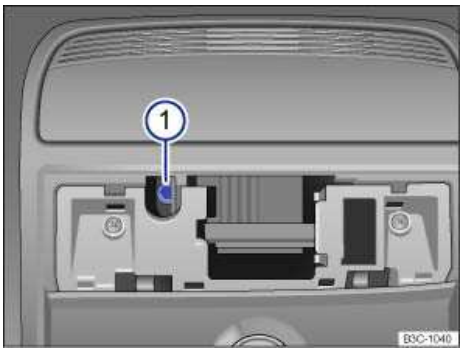

Fig. 158 Hexagonal head screw for closing the power sunroof.

Please first read and note the introductory information and heed the WARNINGS ⚠

The power sunroof has an overheating protection feature that can temporarily turn the electric motor off under certain circumstances. This can happen after, for example, overriding the motor too often when closing the power sunroof without the pinch protection.

After the motor has cooled down enough, the overheating protection feature will let the motor work again and the power sunroof can be opened or closed with the rotary switch.

Before you try to use emergency closing procedures to close the power sunroof, please wait several minutes to make sure that the motor has not been temporarily turned off by the overheating protection feature.

If you must perform an emergency closing, please do so in the following order:

1. Remove the cover in direction of the arrow ⇒ fig. 157.
2. Insert a commercially available 1/6 in. (4 mm) Allen wrench[7] into the hexagonal head screw ⇒ fig. 158 (1).
3. Turn the wrench to close the power sunroof.

---

[7] Not included with the vehicle tool kit.

4. Install the cover again.
5. Have the power sunroof checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility. Emergency closing may cause the power sunroof and its pinch protection to malfunction.

Emergency release for the selector lever

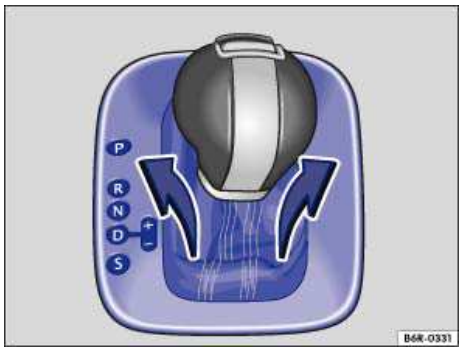

Fig. 159 Removing the selector gate cover.

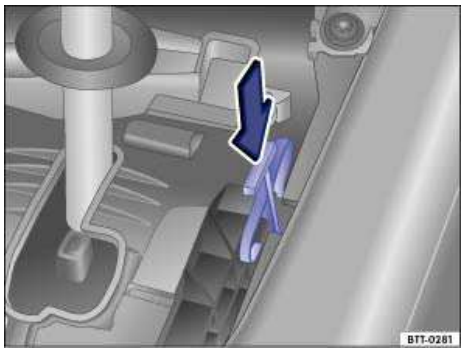

Fig. 160 Releasing the selector lever lock.

Please first read and note the introductory information and heed the WARNINGS ⚠

If the power supply fails (due to a dead vehicle battery, for example) and the vehicle has to be pushed or towed, the emergency release must be used to move the selector lever to Neutral **(N)**.

The emergency release is located under the selector gate cover on the right side when viewed in the driving direction.

Preparations

- Set the parking brake. If the parking brake cannot be set firmly, you must find another way to help prevent the vehicle from moving.
- Switch off the ignition.

Removing the selector gate cover

- Pull upward on the cover around the selector lever sleeve ⇒ fig. 159.
- Slip the cover up and over the selector lever ⇒ ⚠.

Emergency release for the selector lever

- Push the release lever ⇒ fig. 160 in the direction of the arrow and hold it in this position.
- Press the release button in the selector lever handle and shift the selector lever to Neutral **(N)**.

WARNING

Never shift the transmission out of Park (P) without first firmly applying the parking brake. Otherwise, the vehicle can start to roll unexpectedly, especially on hills or inclines, and cause an accident and serious injuries.

NOTICE

Even with the selector lever is in Neutral (N), the automatic transmission will be damaged if the vehicle is towed (or you let it coast) for an extended period or at high speed with the engine shut off.

Vehicle tool kit

Introduction

In this section you'll find information about:

Storage
Contents

When securing the vehicle after a breakdown, always obey all applicable legal requirements.

More information:

- Trailer towing
- Preparations for working in the engine compartment
- In an emergency
- Changing a wheel

WARNING

Loose tools and other items in the vehicle tool kit and a loose spare (or compact spare) wheel may be thrown through the passenger compartment if you brake suddenly or steer sharply or are involved in an accident. This can cause severe injuries.

- **Always make sure the vehicle tool kit and spare (or compact spare) wheel are securely stowed in the luggage compartment.**

WARNING

Improper or damaged vehicle tools can lead to accidents and injury.

- **Never work with tools that are damaged or not right for the job.**

Storage

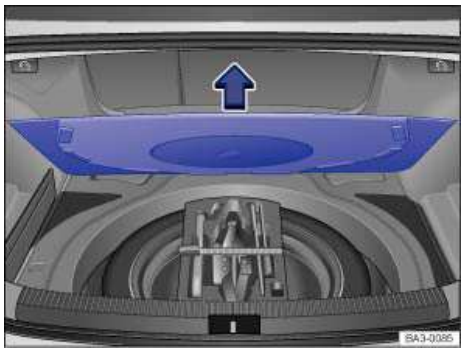

Fig. 161 In the luggage compartment under the floor panel: Compact spare wheel and vehicle tool kit.

Please first read and note the introductory information and heed the WARNINGS

The vehicle tool kit is in the luggage compartment in one of several places, such as under the luggage compartment floor panel ⇒ fig. 161.

- Open the luggage compartment lid
- Grasp the floor panel by the handle and lift it up in the direction of the arrow ; remove it if necessary.

Completely retract the jack after use. Otherwise it will not fit in its compartment and cannot be stowed safely.

Contents

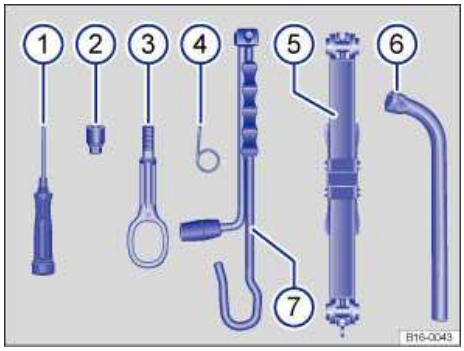

Fig. 162 Contents of the vehicle tool kit.

Please first read and note the introductory information and heed the WARNINGS

The contents of the vehicle tool kit depend on the vehicle configuration. The following describes the maximum contents.

Contents of the vehicle tool kit ⇒ fig. 162

(1) Screwdriver with a hexagonal socket in the handle for removing or inserting previously loosened wheel bolts. The screwdriver blade is reversible. The screwdriver may be stored under the lug wrench.

(2) Adapter for anti-theft wheel bolts. Volkswagen recommends that you always carry the adapter for the wheel bolts in the vehicle along with the vehicle tool kit. The **code number** of the wheel bolt lock is imprinted on the front side of the adapter. If lost, a replacement adapter can be ordered using this number. Record the code number of the wheel bolt lock and store it separately from the vehicle.

(3) Screw-in towing eye.

(4) Hubcap puller clips for removing hubcaps, wheel covers, or wheel bolt caps.

(5) Jack. Before putting the jack back in the foam insert, be sure to completely crank the jack down to its original position.

(6) Lug wrench.

(7) Crank.

Wheel covers

Introduction

In this section you'll find information about

Hubcaps
Wheel covers
Wheel bolt caps

More information:

- Exterior care and cleaning
- Vehicle tool kit
- Changing a wheel

WARNING

Unsuitable wheel covers and improper installation of wheel covers can cause accidents and severe injuries.

- **Improperly installed wheel covers can come loose while driving and endanger other motorists and cyclists.**
- **Do not use damaged wheel covers.**
- **Always make sure that the flow of air for brake system cooling is not blocked or reduced before installing wheel covers. This applies to both factory-installed wheel covers and aftermarket wheel covers. Insufficient air supply may significantly increase stopping distance.**

NOTICE

To help prevent damage to the vehicle, be careful when removing wheel covers and be sure to install them properly.

Hubcaps

Fig. 163 Pulling the hubcap off.

Fig. 164 Twisting the hubcap off.

Please first read and note the introductory information and heed the WARNINGS ⚠

Depending on the vehicle model, the hubcaps can either be pulled off ⇒ fig. 163 or removed by twisting ⇒ fig. 164.

Vehicles with pull-off hubcaps

- *To remove* Take the wire clip out of vehicle tool kit and hook it into one of the holes in the hubcap ⇒ fig. 163.
- Pull the hubcap off in the direction of the arrow.
- *To install* Press the hubcap against the rim until it latches.

Vehicles with twist-off hubcaps

- *To remove* Twist the hubcap to the left or right until it loosens from the wheel rim ⇒ fig. 164.
- Grasp behind one of the lugs and pull the hubcap off.
- *To install* Push the hubcap onto the center of the rim.
- Press the hubcap against the rim until it latches.

Wheel covers

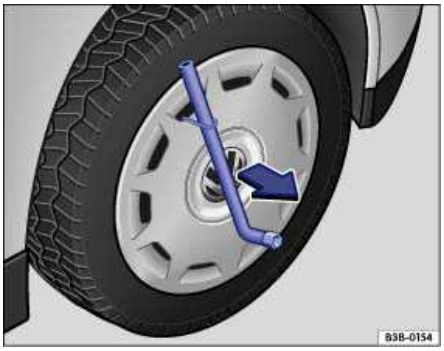

Fig. 165 Pulling the wheel cover off.

Please first read and note the introductory information and heed the WARNINGS ⚠

Pulling off the wheel cover

- Take the lug wrench and wire clip out of the vehicle tool kit
- Place the wire clip hook in one of the openings of the wheel cover.
- Slide the lug wrench through the clip ⇒ fig. 165 and pull the wheel cover off in the direction of the arrow.

Installing the wheel cover

Before installing the wheel cover, the anti-theft wheel bolt must be screwed into position ⇒ fig. 168 (2) or (3) in relation to the position of the tire valve (1). Otherwise, the wheel cover cannot be installed.

Make sure that the valve cutout is aligned with the valve ⇒ fig. 168 (1), and press the wheel cover onto the wheel rim. Make sure that the wheel cover is latched onto the rim along the entire circumference.

Wheel bolt caps

Fig. 166 Pulling cover caps off wheel bolts.

Please first read and note the introductory information and heed the WARNINGS ⚠

Changing a wheel

Introduction

In this section you'll find information about:

Preparations for changing a wheel

Wheel bolts

Lifting the vehicle with the vehicle jack

Changing a wheel

After changing a wheel

Change a wheel by yourself only if the vehicle is parked in a safe location, you are familiar with safety procedures and the technical steps, and you have proper tools available. Otherwise, get expert assistance.

The vehicle jack can only be safely used to change the wheel on a vehicle that has **only one** flat or damaged tire. If the vehicle does not have the support it needs from 3 fully inflated tires, the vehicle can fall off the jack. If more than 1 tire on the vehicle is flat or damaged, do not lift the vehicle with the vehicle jack. Instead, get expert assistance.

More information:

- Exterior views
- Vehicle key set
- Tires and wheels
- In an emergency
- Vehicle tool kit
- Wheel covers

WARNING

Changing a wheel, especially on the side of the road, can be dangerous. To help reduce the risk of serious personal injury:

- **Always stop the vehicle as soon as it is safe to do so. Move the vehicle a safe distance off the road where it is safe to change the wheel.**
- **Always make sure that all passengers, especially children, are in a safe place outside the vehicle and away from the vehicle and traffic (such as behind a guard rail).**
- **Turn on the emergency flashers and set up another warning device about 25 yards (25 meters) behind the vehicle to warn approaching traffic.**
- **Change a wheel by yourself only if you are familiar with the necessary steps. Otherwise, get expert assistance.**
- **Always switch the engine off, firmly apply the parking brake, and shift the transmission into Park (P) (automatic transmission) or any gear (manual only) to help prevent the vehicle from moving suddenly and slipping off the jack.**
- **Always make sure that the ground is level and firm. If necessary, place the jack on a large and sturdy board or on a similar ground support.**
- **Always block the wheel diagonally opposite the wheel being changed with chocks or other similar things.**
- **If you are towing a trailer, always unhitch it from your vehicle before starting to change the wheel. Always apply the trailer brakes firmly and make sure the trailer cannot move unintentionally.**
- **Always use proper and undamaged tools when changing a wheel.**
- **Once a wheel is lifted off the ground, having the transmission in Park (P) or in gear will not prevent sudden vehicle movement.**
- **Always use a jack that has been approved by the manufacturer for your vehicle. Never use other jacks, even if they have been approved for use on other Volkswagen models.**
- **To reduce the risk of losing control, crashes, and serious personal injuries, never loosen the screws on rims with threaded rim rings.**
- **After changing a wheel, have the wheel bolt tightening torque checked with an accurate torque wrench.**
- **After changing a wheel or tire, reset the Tire Pressure Monitoring System**

Fuses

Introduction

In this section you'll find information about:

Fuses in the vehicle

Replacing blown fuses

Due to ongoing development of the vehicle, configuration-dependent allocation of fuses and the combined fuse protection of multiple loads with one fuse, an up-to-date overview of the fuse location per load is not possible at the time of printing. Detailed information regarding fuse box layout is available from authorized Volkswagen dealers and authorized Volkswagen Service Facilities.

In general, one fuse can protect several loads. One load can also be protected by several fuses.

Find out why the fuse blew and correct the problem before replacing a blown fuse. If a newly replaced fuse blows again after a short time, the electrical system should be checked by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

More information:

- Preparations for working in the engine compartment

WARNING

High voltage systems in the engine compartment can cause electrical shocks, severe burns, and even death!

- **Never touch ignition cables. Never touch other components of the high voltage electronic ignition system.**
- **Avoid short circuits in the electrical system.**

WARNING

Using the wrong fuse, using a blown fuse that has been repaired, and using metal objects in place of fuses to complete the electrical connection in the circuit can cause fires and serious personal injury.

- **Never replace a fuse with one that has a higher amp rating. Replace a blown fuse only with a fuse of the same amperage (same color and same imprint) and same overall size.**
- **Never repair fuses.**
- **Never replace fuses with a metal strip, a paper clip, or a similar object.**

NOTICE

- **To help prevent damage to the electrical system, switch off all lights and accessories, switch off the ignition, and remove the key from the ignition switch before replacing a fuse.**
- **If a fuse is replaced with a fuse with higher amperage, this can also cause damage at different locations in the electrical system.**
- **Open fuse boxes must be protected from dirt and moisture. Dirt and moisture in fuse boxes can cause damage to the electrical system.**

Fuses in the vehicle

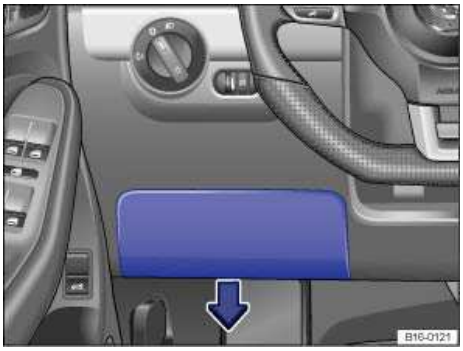

Fig. 172 On the driver side in the instrument panel: Fuse box cover.

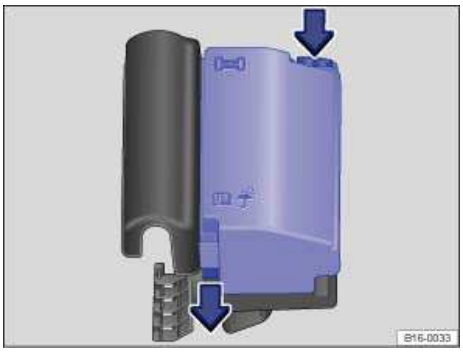

Fig. 173 In the engine compartment: Fuse box cover.

Please first read and note the introductory information and heed the WARNINGS

Replace a blown fuse only with a fuse of the same amperage (same color and same imprint) and same overall size.

Fuse types

- Regular blade fuse (ATO®).
- Mini blade fuse (MINI®).
- Cartridge fuse (JCASE®).

Fuse color coding

Color	Current strength in amps (ATO/MINI)	Current strength in amps (JCASE)
Black	1	—
Purple	3	—
Light brown	5	—
Brown	7.5	—

Color	Current strength in amps (ATO/MINI)	Current strength in amps (JCASE)
Red	10	50
Blue	15	20
Yellow	20	60
White or clear	25	—
Green	30	40
Orange	40	—
Pink	30	30

Opening the fuse box in the instrument panel

- Pull the lower part of the cover in the direction of the arrow ⇒ fig. 172 and remove the cover from the bottom.
- On the inside of the cover there are plastic tweezers for removing and inserting fuses.
- To **install**, guide the cover from the bottom into the instrument panel and push in the direction opposite to the arrow until you can hear it latch into place.

Opening the fuse box in the engine compartment

- Open the engine hood ⇒ ⚠
- Move the release tabs in the direction of the arrows ⇒ fig. 173 to unlock the fuse box cover.
- Remove the cover upward.
- To **install** push the cover onto the fuse box. The locking tabs must latch with an audible “click”.

NOTICE

- **To help prevent vehicle damage, be careful when removing fuse box covers and be sure to reinstall them properly.**
- **Open fuse boxes must be protected from dirt and moisture. Dirt and moisture in fuse boxes can cause damage to the electrical system.**

The vehicle contains other fuses in addition to those mentioned in this section. Have these fuses replaced by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

There are plastic tweezers for removing fuses on the inside of the fuse box cover in the instrument panel.

Changing light bulbs

Introduction

In this section you'll find information about:

Indicator light

Information on light bulb replacement

Changing headlight bulbs

Changing light bulbs in the Xenon headlight

Changing light bulbs in the front bumper

Changing taillight bulbs in the luggage compartment lid

Changing taillight bulbs in the vehicle body

Changing license plate light bulbs

Changing a light bulb requires a certain amount of skill. If you are uncertain about how to proceed, Volkswagen recommends having the light bulb changed by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility. Special training and knowledge are generally required when other vehicle parts must be disassembled to replace a bulb, or when HID – High Intensity Discharge (Xenon) headlights must be replaced.

You should always keep a box in the vehicle with all the replacement bulbs required for traffic safety. Replacement bulbs are available from your authorized Volkswagen dealer or authorized Volkswagen Service Facility. The laws of some countries explicitly require you to have replacement bulbs in the vehicle.

Driving with outside lights that do not work may be against the law.

Additional light bulb specifications

Some factory-installed light bulbs in the headlights or the rear lights may have different specifications than conventional light bulbs. Specifications are on the glass bulb or on the metal base.

More information:

- Exterior views
- Lights and Vision
- Preparations for working in the engine compartment
- Vehicle tool kit
- Fuses

WARNING

Crashes and other accidents can happen when you cannot see the road ahead and when you cannot be seen by other motorists.

WARNING

Improper replacement of burned out headlights and other light bulbs can cause serious personal injury.

- **Stop! Always read and heed the WARNINGS before doing any work in the engine compartment. The engine compartment of any motor vehicle is a potentially dangerous area, and work in this area can lead to serious personal injury.**
- **HID – High Intensity Discharge (Xenon) headlights get power from a high voltage source that can cause severe personal injury and even death if handled improperly.**
- **H7 bulbs and HID – High Intensity Discharge (Xenon) headlights are under high pressure and can explode if handled improperly.**
- **Always let a burned out light bulb cool down before replacing it.**
- **Never replace a light bulb unless you are familiar with all of the necessary procedures. In particular, never remove a headlight unless you know exactly how to carry out the job and have the correct tools and light bulbs.**
- **If you are uncertain about what to do, have the work performed by an authorized Volkswagen dealer, an authorized Volkswagen Service Facility, or another qualified workshop. Serious personal injury may result from improperly performed work.**
- **We strongly recommend that you always have HID – High Intensity Discharge (Xenon) headlights and H7 bulbs replaced by a qualified technician.**
- **Do not touch the glass of light bulbs with your bare hands. Fingerprints left on the bulb evaporate due to the heat when the bulb is switched on and cause the reflector to “cloud.”**
- **There are sharp edges on and around the headlight housing in the engine compartment and the rear light housing. Wear hand protection if you replace bulbs.**

NOTICE

After replacing a headlight bulb or other light bulb, always make sure that the rubber covers or plastic caps have been properly and securely reinstalled to help prevent water from getting into the electrical connections and headlight housing and damaging the electrical system.

Indicator light

Please first read and note the introductory information and heed the WARNINGS

Lights up	Possible cause	Proper response
	Light bulb of the exterior vehicle lighting not working.	Replace the light bulb that isn't working.

When the ignition is switched on, several warning and indicator lights come on briefly for a function check. They go out after a few seconds.

WARNING

Failure to heed warning lights and instrument cluster text messages can cause the vehicle to break down in traffic and result in a collision and serious personal injury.

- **Never ignore warning lights or text WARNINGS.**
- **Always stop the vehicle as soon as it is safe to do so.**

NOTICE

Failure to heed warning lights or text WARNINGS can result in vehicle damage.

Failure of a single LED within a taillight is not indicated. However, the = indicator light will come on if all LEDs fail.

Information on light bulb replacement

Please first read and note the introductory information and heed the WARNINGS

Checklist

Steps for replacing a light bulb. Please carry out these steps only in the order listed ⇒.

1. Stop the vehicle in a safe place on level and firm ground at a safe distance from traffic.
2. Apply the parking brake to help prevent the vehicle from moving
3. Turn the light switch to **0** position
4. Move the turn signal lever to neutral position
5. Automatic transmission: Shift the transmission into Park **(P)**
6. Stop the engine and remove the key from the ignition switch
7. Manual transmission: Engage a gear
8. Let orientation lighting go out
9. Let the burned out light bulb cool down.
10. Check if the fuse is blown
11. Replace the burned out light bulb according to instructions ⇒. Always replace a burned-out light bulb with a good bulb with the same specifications. Specifications are on the glass bulb or on the metal base.
12. Never touch the glass of the light bulb with your bare hands. Fingerprints can cloud the outer surface of the light bulb when heated, affecting the lighting power, clouding the reflector, and reducing the brightness.
13. Always make sure that the new bulb works. If the bulb does not work, it may not be installed correctly; the connection plug may not be completely seated; the corresponding fuse may be burned out; or the bulb may be bad.
14. Always have the headlights adjusted by an authorized Volkswagen dealer or an authorized Volkswagen Service Facility after a headlight bulb has been replaced.

WARNING

Disregarding the safety-related checklist may lead to accidents and serious personal injuries.

- **Always review and follow the checklist. Follow accepted safety practices and use common sense.**

NOTICE

Always insert and remove lamps carefully to help prevent damage to the vehicle paint or to other parts of the vehicle.

Changing light bulbs in the Xenon headlight

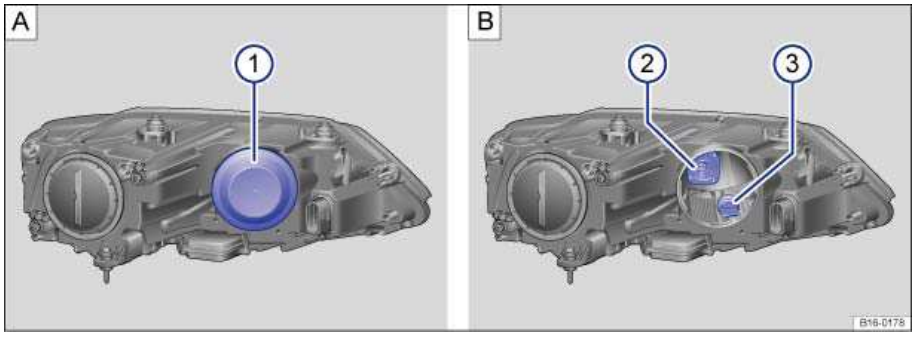

Fig. 177 In the engine compartment: Cover 1 on the left headlight for the cornering light bulb holder 2 and the turn signal bulb holder3.

Please first read and note the introductory information and heed the WARNINGS

Contact your authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance with HID headlight replacement.

The headlight does not need to be removed in order to replace the light bulbs.

Please carry out each step only in the order specified:

fig. 177	Cornering light (2) or turn signal (3)
1.	Please review and follow the checklist
2.	Open the engine hood Ü
3.	Remove the rubber cover (1) **A** on the side of the headlight.
4.	Turn the bulb holder counterclockwise until it stops and remove it toward the rear with the bulb.
5.	Replace burned out bulbs with new bulbs that are identical to the ones being replaced.
6.	Reinsert the bulb holder in the headlight and turn it clockwise until it stops.
7.	Install the rubber cover (1) **A**.

The illustrations show the left headlight assembly from the rear. The right headlight assembly is the mirror image of the left headlight assembly.

Different models may have different lights, and the location and design of covers, bulb holders, and bulbs may be in a different location than shown in the illustrations.

You cannot replace the LEDs in LED daytime running lights. Contact your authorized Volkswagen dealer or an authorized Volkswagen Service Facility for assistance.

Changing light bulbs in the front bumper

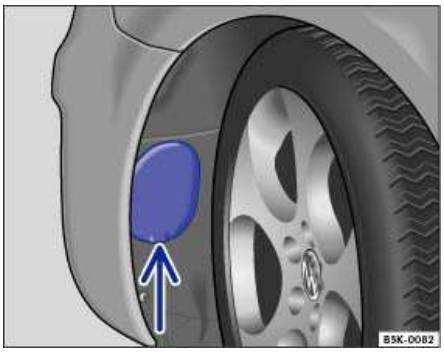

Fig. 178 Remove cover in wheel house liner.

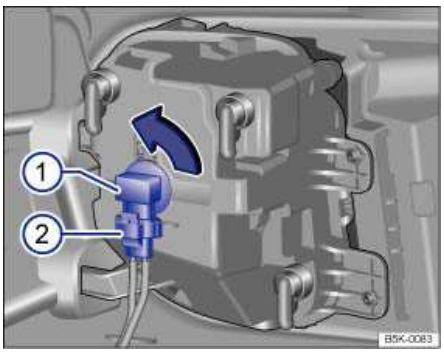

Fig. 179 Remove the bulb in the fog light.

Please first read and note the introductory information and heed the WARNINGS

Please perform the activities only in the given order:

1.	Review and follow the checklist
2.	Start the engine. To change the left bulb, turn the steering wheel completely to the right; to change the right bulb, turn the steering wheel completely to the left.
3.	Switch off the ignition and lights. Pull out the ignition key.
2.	With the flat blade of the screwdriver from the vehicle tool kit, remove the cover in the wheel house lining from below ⇒ fig. 178 (arrow).
3.	Release the connector ⇒ fig. 179 (2) and pull it off.

Please perform the activities only in the given order:

4.	Turn the bulb holder (1) as far as it goes to the left and then pull it out with the light bulb to the rear.
5.	Replace the burned out light bulb with a new bulb of the same type.
6.	Insert the bulb holder into the headlight and turn as far as it goes to the right.
7.	Attach the connector (2) to the bulb holder (1). The connector must latch audibly.
8.	Replace the cover ⇒ fig. 178 in the wheel house liner.

Different models may have different lights, and the location and design of covers, bulb holders, and bulbs may be in a different location than shown in the illustrations.

Changing taillight bulbs in the luggage compartment lid

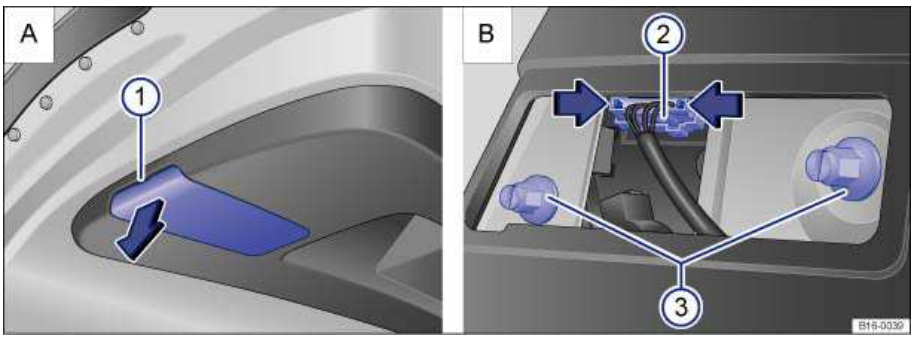

Fig. 180 In the luggage compartment lid. A: Removing the taillight cover. B: Removing the taillight assembly.

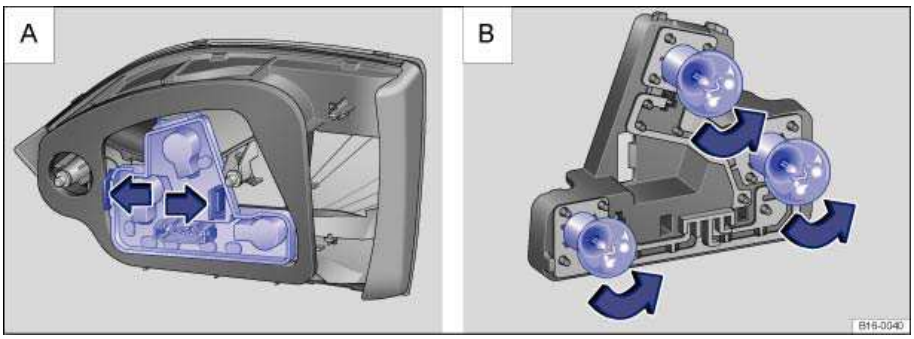

Fig. 181 Taillight assembly. A: Removing the bulb holder. B: Removing the light bulb.

Please first read and note the introductory information and heed the WARNINGS ⚠ .

Please carry out each step only in the order specified:

1.	Please review and follow the checklist .
2.	Open the luggage compartment lid
3.	Using the flat blade of the screwdriver from the vehicle tool kit carefully pry the cover off the slot ⇒ fig. 180 **A**(1).
4.	Unscrew the fastening screws **B** (3) with your hand and carefully remove the taillight assembly from the luggage compartment lid.
5.	Press together the release tabs for the connector plug **B** (2) in the direction of the arrow and pull the connector plug off.
6.	Unlock the bulb holder by pressing the locking tabs in direction of the arrow ⇒ fig. 181 **A** and remove the bulb holder from the taillight assembly.
7.	Replace the burned out light bulb with a new bulb of the same type **B**.
8.	Reinsert the bulb holder in the taillight assembly. The locking tabs must latch with an audible “click”.
9.	Attach the connector plug ⇒ fig. 180 **B** (2) to the bulb holder.
10.	Carefully reinsert the taillight assembly into the opening in the luggage compartment lid. Hold the rear light assembly with one hand in the installation position and with the other hand, tighten the fastening screws **B** (3).
11.	Check the taillight assembly for proper installation and secure fit.
12.	Attach the cover. The cover must latch tightly and securely into place.
13.	Close the luggage compartment lid

LEDs in the taillights in the luggage compartment lid

Changing LEDs is not possible without dismantling vehicle components. Contact an authorized Volkswagen dealer or an authorized Volkswagen Service Facility.

Different models may have different lights, and the location and design of covers, bulb holders, and bulbs may be in a different location than shown in the illustrations.

Jump-starting

Introduction

In this section you'll find information about

Using jumper cables

If your engine does not start because the vehicle battery is dead, your vehicle's battery can be connected to the battery of another vehicle to start your engine (jump-starting). Check the battery acid level indicator on the vehicle battery before jump-starting

You must use jumper cables that meet recognized industrial standards (check information provided by the jumper cable manufacturer). For vehicles with **gasoline engines**, the cross-section of the jumper cable wire must be at least 0.038 in.^{2} (25 mm^2), or about 3 ga. (AWG).

More information:

- Starting assistance systems
- Preparations for working in the engine compartment
- Vehicle battery

WARNING

Working on the batteries or the electrical system in your vehicle can cause serious acid burns, fires, or electrical shock.

- **Always keep children away from battery acid and vehicle batteries in general.**
- **Sulfuric battery acid is very corrosive and can cause blindness and damage to unprotected skin. Never let battery acid or lead particles contact your eyes, skin, and clothing.**
- **Never lean over a vehicle battery. Always wear protective gloves and eye protection. To reduce your risk of injury, never tilt the batteries; acid could spill out through the vents and burn you.**
- **A highly explosive mixture of gases is given off when the battery is being charged.**
- **Always avoid fires, sparks, open flame, and smoking. Never create sparks or electrostatic charges when handling cables and electrical equipment. Never short-circuit the battery terminals. High-energy sparks can cause serious personal injury.**
- **If you get battery acid in your eyes or on your skin, immediately rinse with cold water for several minutes and get medical attention immediately. If you swallow any battery acid, get medical attention immediately.**

WARNING

Improper use of jumper cables when jump-starting a vehicle with a dead battery can cause the battery to explode, leading to serious personal injury. To help reduce the risk of battery explosion:

- **All work on the batteries or the electrical system in your vehicle can cause serious acid burns, fires, or electrical shocks. Always read and heed the following WARNINGS and safety precautions before working on the batteries or the electrical system 248, *Vehicle battery*.**
- **Always make sure that the battery providing starting assistance (the booster battery) has the same voltage as the dead battery (12 V) and about the same amperage capacity (see battery label).**
- **Never jump-start a vehicle with a thawed or frozen vehicle battery. The battery can explode. A dead battery can freeze at temperatures around +32 °F (0 °C).**
- **A battery that is frozen or was frozen, but has since thawed, must be replaced.**
- **When the vehicle battery is jump-started, it gives off hydrogen gas, which is highly explosive! Always keep fire, sparks, open flame, and smoking materials far away from vehicle batteries. Never use a cellular telephone while connecting or disconnecting jumper cables.**
- **Jump-start batteries only in well-ventilated areas. Batteries give off highly explosive hydrogen gas during jump-starting.**
- **Always route the jumper cables so that they cannot get caught in any moving parts in the engine compartment.**
- **Never short out the battery terminals by connecting the positive (+) and negative (-) terminals with each other.**
- **Never connect the negative cable from the other vehicle directly to the negative terminal of the dead battery, as this may cause the hydrogen gas given off by the dead battery to explode.**
- **Never attach the negative cable from the vehicle providing starting assistance to any part of the fuel system or to the brake hoses or brake lines.**
- **Never allow the non-insulated parts of the battery clamps to touch.**
- **Never allow the jumper cable attached to the positive battery terminal to contact metal parts of the vehicle.**
- **Always follow the instructions of the jumper cable manufacturer.**

NOTICE

To help prevent extensive damage to the vehicle electrical system, read and heed the following:

- **Connecting jumper cables improperly can cause a short circuit and do expensive damage to the vehicle's electrical system.**
- **Do not let the vehicles touch each other while the jumper cables are connected. If they do, electrical current may flow between the vehicles when the positive (+) terminals are connected, causing electrical system damage.**

Using jumper cables

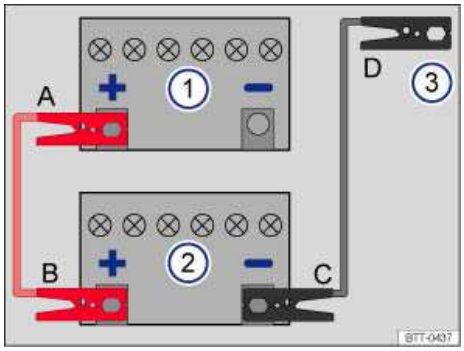

Fig. 186 Diagram for attaching the jumper cables: Dead battery 1 and booster battery 2.

Please first read and note the introductory information and heed the WARNINGS ⚠ .

The dead battery must be properly connected to the vehicle's electrical system.

Make certain that the vehicles are not touching each other. Otherwise, electric current could flow as soon as the positive terminals (+) are connected. Use longer jumper cables if necessary.

The clamps on the jumper cables must have good contact to bare metal on the battery terminals.

If the engine does not start, stop the process after 10 seconds and repeat after about 1 minute.

The procedure for attaching and for removing the jumper cables is described below. Perform each of the following steps only in the order described, which follow the letters shown in the illustration ⇒ fig. 186 **A – B – C – D**.

Attaching jumper cables

1. Switch off the ignition in both vehicles
2. Open the battery cover in the engine compartment if the battery has a cover .
3. Attach one end of the *red* jumper cable to the **positive terminal** (+) of the dead battery: (1) ⇒ ⚠.
4. Attach the other end of the *red* jumper cable to the **positive terminal** (+) of the good battery (booster battery): (2).
5. Attach one end of the *black* jumper cable to the **negative terminal** (-) of the booster battery: (2) .
6. Attach the other end of the *black* jumper cable (3) to **a bare metal part of the vehicle with the dead battery**. This part should be connected directly to the engine block. You may also attach the cable to the engine block itself or to the towing eye installed on the front of the vehicle 325. Attach the clamp to a point that is as far away as possible from the dead battery (1) ⇒ ⚠.
7. Route the jumper cables so that they cannot get caught in any moving parts in the engine compartment of either vehicle.

Starting the engine

- Start the engine of the vehicle with the good battery that is providing help and let it run at idle speed.
- Turn on the ignition of the vehicle with the dead battery. If the engine starts, wait 2 to 3 minutes

until it “runs smoothly” before removing the jumper cables as described below ⇒ ⚠. If the engine does not start within about 10 seconds, turn off the ignition and wait at least 1 minute; then try again.

Before removing the jumper cables

- Switch off the headlights (if they are on).
- In the vehicle with the dead battery, switch on the heater fan and the rear window defroster. This helps to minimize voltage spikes when the cables are disconnected.

Removing jumper cables

With the engine running, remove the jumper cables **in reverse order** to the way they were connected.

1. Disconnect the black (-) cable from the vehicle with the **dead** battery.
2. Disconnect the black (-) cable from the other vehicle (vehicle with the **good** battery).
3. Disconnect the red (+) cable from the other vehicle (vehicle with the **good** battery).
4. Disconnect the red (+) cable from the vehicle with the **dead** battery.
5. Close the battery cover.
6. If necessary, unscrew the towing eye on the front of the vehicle

WARNING

Improper use of jumper cables when jump-starting a vehicle with a dead battery can cause the battery to explode, leading to serious personal injury. To help reduce the risk of battery explosion:

- **All work on the batteries or the electrical system in your vehicle can cause serious acid burns, fires, or electrical shocks. Always read and heed the following WARNINGS and safety precautions before working on the batteries or the electrical system, *Vehicle battery*.**
- **Always wear proper eye protection. Never lean over the vehicle battery.**
- **Attach the jumper cables in the correct order: first the positive cable, then the negative cable.**
- **Never connect the negative cable from the vehicle providing starting assistance to parts of the fuel system or to the brake hoses or brake lines.**
- **Never allow the non-insulated parts of the battery clamps to touch.**
- **Never allow the jumper cable attached to the positive battery terminal to contact metal parts of the vehicle.**
- **Check the battery acid level indicator window on the vehicle battery. Use a flashlight, never a match, cigarette lighter, or other open flame. If you cannot see the color of the window clearly, or if it is light yellow or colorless, do not jump-start the vehicle. Get expert assistance.**
- **Avoid electrostatic discharge in the vicinity of the vehicle battery. Sparks may cause the hydrogen gas escaping from the vehicle battery to ignite.**
- **Never jump-start a vehicle with a battery that is damaged or frozen or that was frozen and has thawed. The battery can explode. Replace the battery instead.**
- **Always follow the instructions of the jumper cable manufacturer.**
- **Always make sure that the battery providing starting assistance has the same voltage as the dead battery (12 V) and about the same capacity (see battery label).**
- **Batteries give off explosive hydrogen gas. Always keep fire, sparks, open flame and smoking materials away from batteries.**
- **Never connect the negative cable from the other vehicle directly to the negative terminal of the dead battery. The hydrogen gas from the battery is explosive.**
- **Never short out the battery terminals by connecting the positive (+) and negative (-) terminals with each other.**

Towing

Introduction

In this section you'll find information about:

Towing on a commercial tow truck
Tips on towing
Installing the front towing eye
Installing the rear towing eye
Driving tips while towing

Observe legal requirements when towing.

For technical reasons:

- **A vehicle with a dead battery must never be towed. Jump-start the vehicle instead.**
- **It is not possible to tow-start or push-start your vehicle. Jump-start the vehicle instead.**

Vehicles with Keyless Access may only be towed with the ignition on.

Towing the vehicle when the engine is turned off and the ignition is turned on drains the vehicle battery. Depending on the charge level of the vehicle battery, it is possible that even after just a few minutes, electrical devices such as the emergency flashers may not have the power necessary to function. The steering wheel might lock in vehicles with Keyless Access ⇒ ⚠.

More information:

- Exterior views
- Shifting
- Engine control and emission control system
- Jump-starting

⚠ WARNING

Never tow a vehicle without any electrical power.

- **Never remove the remote control vehicle key from the ignition switch or turn off the ignition with the starter button while the vehicle is moving. The electronic steering column lock could suddenly engage, and you would not be able to steer or control the vehicle. You can lose control of the vehicle, crash, and seriously injure yourself and others.**
- **If the vehicle loses power while it is being towed, stop towing the vehicle immediately and contact your authorized Volkswagen dealer or authorized Volkswagen Service Facility for assistance.**

WARNING

Towing a vehicle changes the way it handles and brakes. To help reduce the risk of an accident and serious personal injury, note the following:

- **The driver of the vehicle that is being towed:**
  - **Since the brake booster also does not work when the engine is stopped, you will need to press harder on the brake pedal to slow down or stop. Always be alert so as not to rear-end the towing vehicle.**
  - **Will have to use considerably more force to turn the steering wheel because the power steering is not working.**
- **The driver of the vehicle that is doing the towing:**
  - **Must accelerate gradually and gently and avoid jerking movements.**
  - **Must not brake hard or steer sharply.**
  - **Must brake earlier and more gently than in normal driving.**

NOTICE

- **Be careful not to damage the paint when installing and removing the towing eye and the cover for the threaded hole behind the bumper.**
- **Unburned fuel can get into the catalytic converter during towing and damage it.**

Towing on a commercial tow truck

Please first read and note the introductory information and heed the WARNINGS

To help avoid damaging the vehicle, have it towed only by a professional towing company. Read and heed the following information:

General information

Never let the vehicle be towed at speeds above 30 mph (50 km/h).

Never let the vehicle be towed for more than 30 miles (50 km).

Towing manual transmission vehicles

- Release the parking brake.
- Shift the transmission into Neutral **(N)**.
- If possible, have the vehicle towed with the front wheels off the ground.
- If necessary, the vehicle can also be towed with the rear wheels off the ground ⇒.

Towing automatic transmission vehicles

- Release the parking brake.
- Shift the transmission into Neutral **(N)**.
- Tow the vehicle only with its front wheels off the ground ⇒.

When not to tow your vehicle

If there is little or no oil in the transmission because of damage to your vehicle, it must be moved with the drive wheels off the ground. The vehicle can only be towed if its ignition is switched on and its electrical system is operating. In the following situations, the vehicle cannot be towed at all and must be transported on a flatbed truck or trailer:

- If the front and rear wheels cannot turn.
- If the vehicle battery is dead (because the electronic steering column lock engages and cannot be released).
- If you have to tow an automatic transmission vehicle more than 30 miles (50 km).

WARNING

It is not safe for children or other persons to ride in a vehicle that is being towed.

- **Never let children or anyone else remain in the vehicle while it is being towed.**

NOTICE

The drive axle rotates while the vehicle is being towed with its rear wheels off the ground. This can damage the automatic transmission.

- **Never tow automatic transmission vehicle with the rear wheels off the ground.**
- **Tow manual transmission vehicles with the rear wheels off the ground only if it is certain that no transmission fluid can leak out.**

Tips on towing

Please first read and note the introductory information and heed the WARNINGS

Towing eye; tow rope or tow bar

A towing eye is included in your vehicle's tool kit. This can be inserted in a threaded hole in the front bumper and used when your vehicle is being towed by another vehicle. On most vehicles, there is another threaded hole in the rear bumper, so you can use the towing eye to tow other vehicles as well. Towing a vehicle with a tow bar is safer and easier on both vehicles than using a tow rope. A tow rope should be used only if a tow bar is not available.

The tow rope should be flexible enough to help protect both vehicles from damage. Use a synthetic fiber rope or similar rope.

Attach the tow rope or tow bar only to the towing eye included in the vehicle tool kit for this purpose, or to a trailer hitch.

Towing manual transmission vehicles

Check whether your vehicle can be towed at all, *When not to tow your vehicle*

If yes, not the following for the towed vehicle:

- Shift the gearshift lever to Neutral
- Do not tow faster than 30 mph (50 km/h).
- Do not tow more than 30 miles (50 km).

Towing automatic transmission vehicles

Check whether your vehicle can be towed at all; , *When not to tow your vehicle*

If yes, not the following for the towed vehicle:

- Put the transmission in Neutral **(N)**.
- Do not tow faster than 30 mph (50 km/h).
- Do not tow more than 30 miles (50 km).
- When a commercial tow truck is being used, the vehicle must only be towed with the front wheels lifted off the ground.

When not to tow your vehicle

In the following situations, the vehicle cannot be towed and must be transported on a flatbed truck or trailer:

- If transmission fluid has leaked out of the transmission.
- If there is little or no oil in the transmission because of damage to your vehicle, it must be moved with the drive wheels off the ground.
- If the front and rear wheels cannot turn.
- When the vehicle battery is dead, because the steering may remain disabled and it may not be possible to release the electronic steering column lock.
- If you have to tow an automatic transmission vehicle more than 30 miles (50 km).

Towing other vehicles

- Obey all legal requirements
- Read and heed all towing information in the owner's manual for the other vehicle.

A vehicle can be towed only if the electronic steering column lock is released. In case of a power loss or malfunctions of the electrical system, the engine may have to be jump-started in order to release the electronic steering column lock.

Driving tips while towing

Please first read and note the introductory information and heed the WARNINGS

Towing requires some experience, especially when using a tow rope. Both drivers must be familiar with the techniques required for towing. Inexperienced drivers should not try to tow a vehicle or to drive a vehicle that is being towed.

Do not pull too hard with the towing vehicle, and avoid jerking the tow rope. When towing on an unpaved road, there is always a risk of overloading and damaging the attachment points.

If your vehicle is being towed, it can still signal turns even if the emergency flashers are activated, as long as the ignition is switched on. Use the turn signal in the normal way. The emergency flashers go off as long as the turn signal is blinking. As soon as the turn signal lever returns to its neutral position, the emergency flashers are automatically activated again.

As the driver of the vehicle being towed:

- If your vehicle is the one being towed, the ignition switch must be switched on to keep the steering wheel from locking. Also make sure that the turn signals, horn, windshield wipers, and windshield washers work properly.
- Since power steering does not work when the engine is switched off, more effort is needed to steer the vehicle.
- Since the brake booster also does not work when the engine is stopped, you will need to press harder on the brake pedal to slow down or stop. Do not hit the towing vehicle.
- Read and heed the information and WARNINGS in the towing vehicle's owners manual.

As the driver of the towing vehicle:

- Drive especially carefully and accelerate gently. Avoid sudden driving maneuvers.
- Brake earlier and more gently than usual and with light pedal pressure.
- Read and heed the information and WARNINGS in the owner's manual of the vehicle being towed.

Abbreviations

Abbreviation	Meaning
5S man	5-speed manual transmission
6S auto	6-speed automatic transmission
6S man	6-speed manual transmission
ABS	Anti-lock Brake System
AFS	Adaptive Front Lighting System
AKI	Anti-Knock Index
ANSI	American National Standards Institute
ASR	Anti-Slip Regulation
ATA	Anti-Theft Alarm system
BAS	Brake Assist System
ccm	Cubic centimeter – metric unit of measure for engine displacement
CCS	Cruise Control System
CID	Cubic inch displacement – unit of measure for engine displacement
cm	Centimeter – metric unit of measure for length
CO_2	Carbon dioxide
DIN	Deutsches Institut für Normung (German Institute for Standardization)
DRL	Daytime Running Lights
DSG®	Direct Shift Gearbox automatic transmission
EDL	Electronic Differential Lock
EN	European Norm
EPC	Engine control (Electronic Power Control)
ESC	Electronic Stability Control
g/km	Generated carbon monoxide amount in grams per kilometer driven
GAWR	Gross Axle Weight Rating
GVWR	Gross Vehicle Weight Rating
HID	High Intensity Discharge headlights (Xenon)
hp	Horsepower – unit of measure for engine power
kg	Kilogram – metric unit of measure for weight
kN	Kilonewton – a unit of measure for force
kp	Kilopond – unit of measure for force
kPa	Kilopascal – unit of measure for tire pressure
kW	Kilowatt – engine rating
LED	Light Emitting Diode
m	Meter – metric unit of measure for length

MDI	Media Device Interface (MEDIA-IN)
MFI	Multi-Function Indicator
Nm	Newton meter – unit of measure for engine torque
RON	Research Octane Number – measurement of anti-knock resistance of gasoline
rpm	Engine revolutions per minute (engine speed)
SAE	Society of Automotive Engineers
TSI®	Turbocharged gasoline engine with direct fuel injection
XDL	Extension of the Electronic Differential Lock system