



STELVIO 

This Supplement integrates the Alfa Stelvio Owner Handbook to which it is attached, and contains information on the Quadrifoglio version. For anything not included, refer to the Owner Handbook.

SEATS

MANUALLY ADJUSTABLE FRONT SEATS



1)



1)

"Sparco" Carbonshell Sport seats
(where provided)

Longitudinal adjustment

Lift lever 1 fig. 1 and push the seat forwards or backwards.

IMPORTANT Make the adjustment while sitting on the seat involved (driver side or passenger side).



2)

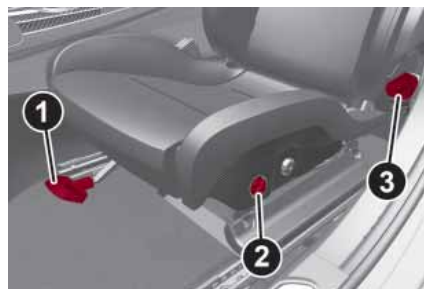


fig. 1

Height adjustment (electrical)

Move button 2 upwards or downwards to obtain the required height.

Backrest angle adjustment

Pull lever 3 fig. 1 and accompany the backrest with the movement of your torso (operate the lever until the desired position is reached, then release it).

ELECTRICALLY ADJUSTABLE FRONT SEATS



2)

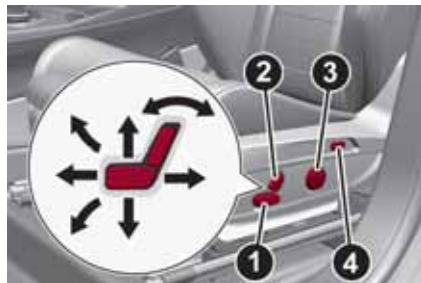


fig. 2

Height adjustment

Use the rear part of switch 1, fig. 2, to change the height and/or angle of the seat cushion.

Longitudinal adjustment

Push switch 1, fig. 2, forwards or backwards to move the seat in the corresponding direction.

Backrest angle adjustment

Push switch 2, fig. 2, forwards or backwards to tilt the backrest in the corresponding direction.

Electric lumbar adjustment

Use joystick 3, fig. 2, to operate the lumbar support device for maximum driving comfort.

Operating the following parts of the joystick:

- ☐ top: inflates the cushion;
- ☐ bottom: deflates the cushion;
- ☐ front: inflates the top of the cushion;
- ☐ back: inflates the bottom of the cushion.

IMPORTANT Electrical adjustment is only allowed when the ignition device is turned to ON and for about 60 seconds after it is turned to STOP. It is also possible to move the seat for about 60 seconds after opening/closing the door, locking/unlocking the vehicle or switching the front central courtesy light on.

Seat inclination adjustment (tilting) (where provided)

The seat cushion angle can be set to four positions. Lift or lower the front of control 1, fig. 2, to move the front of the seat in the corresponding direction. Release control 1 when the seat has reached the desired position.

Backrest width adjustment (where provided)

Press the switches 4, fig. 2, to adjust the backrest width by means of the lateral padding.

Seat cushion extension (where provided)

Lift the lever 6, fig. 3, and push the front of the cushion forward or back. It can move a few centimetres.



fig. 3

REAR SEATS



The rear seats, fig. 2, allow three passengers.



fig. 4



WARNING

- 1)** All adjustments must be made with the car stationary.
- 2)** After releasing the adjustment lever, always check that the seat is locked on the guides by trying to move it back and forth. If the seat is not locked into place, it may unexpectedly slide and cause the driver to lose control of the car.
- 3)** Always make sure that all occupants are seated and wearing their seat belts correctly.



IMPORTANT

- 1)** The fabric seat upholstery has been designed to withstand long-term wear due to normal use of the car. Some precautions are however required. Avoid prolonged and/or excessive rubbing against clothing accessories such as metal buckles and Velcro strips which, by applying a high pressure on the fabric in a small area, could cause it to break, thereby damaging the upholstery.
- 2)** Do not place any kind of object under the electrically adjusted seats as it could impede their movement or otherwise damage the drives.

DASHBOARD AND INSTRUMENT PANEL

TFT DISPLAY



fig. 5

- 1. Rev counter – 2. Digital engine oil temperature gauge with overheating warning light – 3. TFT Display
- 4. Digital fuel level gauge (the triangle on the left side of the symbol indicates the side of the car with the fuel filler) – 5. Speedometer

Apart from the instrument panel display size, there may be small differences according to the version or the end market destination of the car.

SBA (Seat Belt Alert) SYSTEM

REAR SEAT BELT ICON BEHAVIOUR

(where provided)

The icons are shown on the display (fig. 6) after a few seconds have elapsed since the ignition device is turned to ON and disappear after approximately 30 seconds.

After a door closes, or following a change in belt fastening status, the icons are shown again for approximately 30 seconds before disappearing.

The icons shown on the display indicate:

1. rear left seat belt;
2. rear central seat belt.
3. rear right seat belt.



fig. 6

Wear the rear seat belts as shown in fig. 7 and fig. 8.



fig. 7

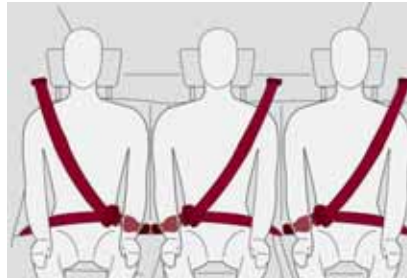


fig. 8

“Alfa DNA™ Pro” SYSTEM

“Alfa DNA™ Pro” SYSTEM

(dynamic car control system)

Using the selector (on the central tunnel), fig. 9, this device selects different car response modes according to driving style and road conditions:



fig. 9

- ☐ d = Dynamic (sports driving mode)
- ☐ n = Normal (mode for driving in normal conditions)
- ☐ a = Advanced Efficiency (ECO driving mode for maximum fuel savings).
- ☐ RACE = track race driving mode.
- ☐  = changes the suspension setting (where provided).

Unlike the other ones, the RACE position is unstable, therefore, by rotating the selector to RACE, it will return to its initial position "d".

The RACE symbol lights up in red on the selector when this mode is active.

The different modes are characterised by different colours on the instrument panel display:

- ❑ Normal - Blue,
- ❑ Dynamic - Red
- ❑ RACE - Yellow
- ❑ Advanced Efficiency - Green

"RACE" MODE

Engagement/disengagement

It is activated by rotating the selector to position "RACE", the displays light up in yellow.

IMPORTANT This mode should be activated on race tracks.

To deactivate the RACE mode, take the selector to position "RACE" again and the system will be set to "d" mode.

ALFA ACTIVE SUSPENSION (AAS)

The electronic suspensions control system of the car is the result of a sophisticated elaboration of the various board sensors, aimed at optimising the performance of the car.

The system continuously monitors the damping of the suspensions through the actuator installed on each shock absorber. This way, the calibration of the shock absorbers can be adjusted to the conditions of the road surface and to the dynamic conditions of the vehicle, improving its comfort and road holding.

The driver can choose, even while driving (only in "d" or "RACE" mode), between two types of suspension setting: a more sporty or a more comfortable one.

By pressing the button, the system prepares to work with a shock absorber calibration which favours driving comfort.



fig. 10

In the event of a system failure, the  symbol appears on the instrument panel display together with a dedicated message.

EMERGENCY STARTING

REMOTE BATTERY CONNECTION POLES

To facilitate the operation, the remote poles of the battery for the jump starting can be found in the engine compartment: the battery, on the other hand, is placed in the luggage compartment.

The negative terminal (-) fig. 11 is positioned next to the right bonnet lock.



fig. 11

The positive terminal (+), shown in fig. 13, can be reached by lifting the protective flap, fig. 12.



fig. 12

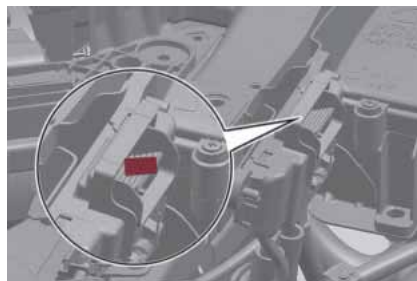


fig. 13

To carry out the operation, you need to have the correct cables to connect the auxiliary battery to the remote poles of the flat battery.

Usually, these cables have terminals at the ends and are identified by different sheath colours (red = positive, black = negative).

SCHEDULED SERVICING PROGRAMME (2.9 V6 engine)

The checks listed in the Scheduled Servicing Plan, after reaching 150,000 km/10 years, must be cyclically repeated starting from the first interval, thus following the same intervals as before.

Thousands of miles	9	18	27	36	45	54	63	72	81	90
Thousands of kilometres	15	30	45	60	75	90	105	120	135	150
Years	1	2	3	4	5	6	7	8	9	10
Check battery charge status with the proper instrument	•	•	•	•	•	•	•	•	•	•
Check tyre condition/wear and adjust pressure, if necessary. Check quick tyre repair kit recharge conditions/expiry date (where provided)	•	•	•	•	•	•	•	•	•	•
Check operation of lighting system (headlights, direction indicators, hazard warning lights, boot, passenger compartment, glove compartment, instrument panel warning lights, etc.)	•	•	•	•	•	•	•	•	•	•
Check and, if necessary, top up fluid levels (1)	•	•	•	•	•	•	•	•	•	•
Check exhaust emissions	•	•	•	•	•	•	•	•	•	•
Check the supply/engine control and emissions systems operation using the diagnosis equipment	•	•	•	•	•	•	•	•	•	•
Visually inspect condition of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (gaiters, sleeves, bushes, etc.)		•		•		•		•		•
Check windscreen and rear window wiper blade position/wear	•		•		•		•		•	

(1) Only use the fluids shown in the handbook for topping up, and only after checking that the system is intact.

Thousands of miles	9	18	27	36	45	54	63	72	81	90
Thousands of kilometres	15	30	45	60	75	90	105	120	135	150
Years	1	2	3	4	5	6	7	8	9	10
Check operation of the windscreen wiper/washer system and adjust jets, if necessary	●		●		●		●		●	
Check cleanliness of bonnet and luggage compartment locks, cleanliness and lubrication of linkage		●		●		●		●		●
Visually inspect conditions and wear of front disc brake pads and operation of pad wear indicators	●	●	●	●	●	●	●	●	●	●
Visually inspect conditions and wear of rear disc brake pads and operation of pad wear indicators	●	●	●	●	●	●	●	●	●	●
Visually inspect the condition and tensioning of the accessory drive belt(s)	●	●	●		●	●	●		●	●
Change engine oil and replace oil filter	●	●	●	●	●	●	●	●	●	●
Change the Transfer Case oil (for AWD versions)								●		
Spark plug replacement				●				●		
Replace accessory drive belt/s	(2)									
Replace air cleaner cartridge (3)		●		●		●		●		●
Change the brake fluid	(4)									
Replace the passenger compartment filter (3)	○	●	○	●	○	●	○	●	○	●

(2) Areas that are not dusty: recommended maximum distance 60,000 km. Regardless of the mileage, the belt must be replaced every 4 years. Dusty areas and/or heavy conditions (cold climates, urban driving, long periods of idling): the recommended maximum distance is 30,000 km. The belt must be replaced every 2 years, regardless of distance travelled.

(3) If the vehicle is used in dusty areas, the filter must be replaced every 15,000 km.

(4) The brake fluid must be changed every two years, regardless of the mileage.

(○) Recommended operations

(●) Mandatory operations

Thousands of miles	9	18	27	36	45	54	63	72	81	90
Thousands of kilometres	15	30	45	60	75	90	105	120	135	150
Years	1	2	3	4	5	6	7	8	9	10

FOR VEHICLES EQUIPPED WITH CARBON CERAMIC BRAKE DISCS

Visually inspect the brake discs surface and edge	•	•	•	•	•	•	•	•	•	•
Brake pads/brake discs replacement	(5)									

(5) The actual interval for changing the brake pads and the carbon ceramic brake discs depends on the vehicle usage conditions and is signalled by the warning light or message on the instrument panel.

Use the diagnosis equipment to reset the warning light every time the discs are replaced.

ENGINE COMPARTMENT

CHECKING LEVELS



2.9 V6 Engine

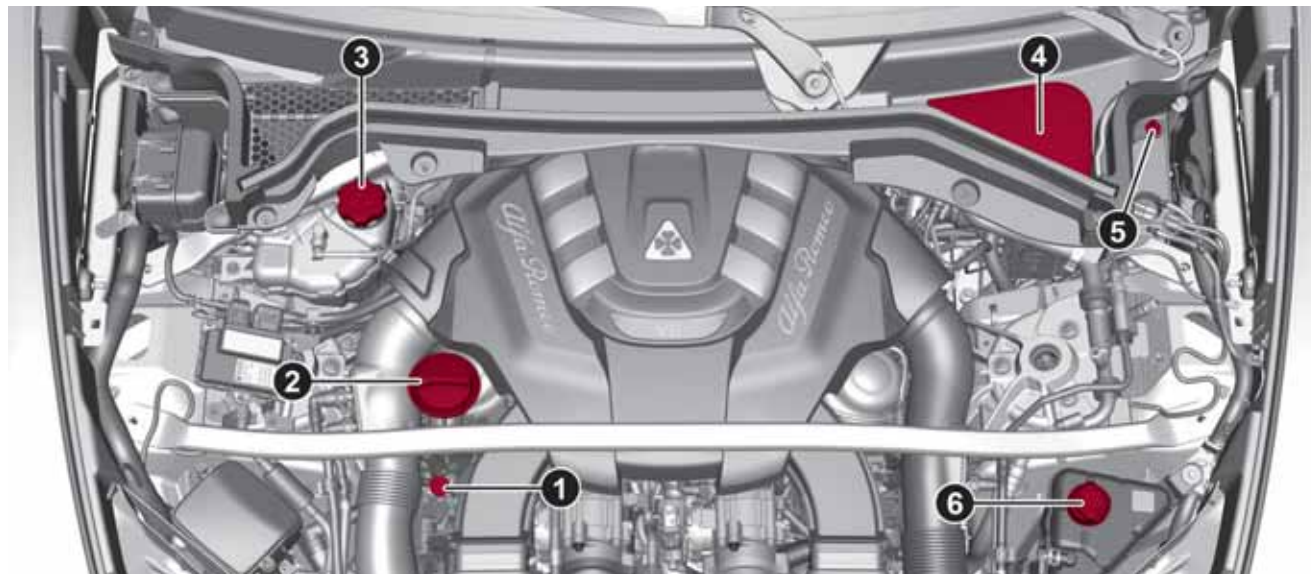


fig. 14

1. Engine oil dipstick – 2. Engine oil filler – 3. Engine coolant reservoir cap – 4. Brake fluid reservoir cap access cover
5. Windscreen/headlight washer fluid reservoir cap – 6. Intercooler coolant reservoir cap

ENGINE OIL



The engine oil level can be seen on the instrument panel display every time the engine is started, or on the Connect system display by activating the following functions from the main menu (MENU button) in sequence: "Car"; "Car status" and "Oil Level".

Check on the display using the 6 notches that the oil level is between MIN and MAX level: 1 notch MIN level, 6 notches MAX level.

If the oil level indication reaches the first red mark, add oil through the filler 2, considering that each notch shown on the display corresponds to approximately 250 ml.



In case of oil change or top-up, check the amount introduced using the dipstick. The level must NEVER be over the MAX line.

The oil level must be checked with the dipstick with the engine warm (temperature of about 90°C) and after waiting for 5 minutes.

IMPORTANT Make sure not to add too much engine oil when topping up. Engine oil in excess may damage the engine. Never exceed the MAX level when topping up engine oil. It is advisable to check the oil level in intermediate steps.

If the level is over the MAX line on the dipstick, go to a Dedicated Alfa Romeo Dealership.

IMPORTANT The oil level is not refreshed immediately on the display after topping up. Consequently, wait for the oil level to be refreshed on the display following to procedure shown below.

Oil level indication update on display

If a top up is needed, ensure that the oil level indication on the display is correct by leaving the car on flat ground with the engine running for approximately 5 minutes (temperature of about 90°C), then switch it off, wait for 5 minutes, turn the starter switch to ON without starting the engine and wait for a few seconds.

If the level indication is not updated after the previously described procedure, repeat the engine adjustment, stop the engine and wait a further 5 minutes before starting it again.

If the indication is not updated after the second start, contact the Dedicated Alfa Romeo Dealership.

IMPORTANT In normal working conditions, the oil level indication is shown on the instrument panel display. In case of oil level sensor failure (condition indicated by the lighting of the symbol  on the instrument panel display), use the oil dipstick in the engine compartment EXCLUSIVELY for the time needed to restore correct operation of the oil level sensor. The latter operation must be performed at a dedicated Alfa Romeo Dealership.

Engine oil consumption



The maximum engine oil consumption is usually 400 grams every 1000 km. When the car is new, the engine needs to run in, therefore the engine oil consumption can only be considered stabilised after the first 5000 - 6000 km.



WARNING

4) Never smoke while working in the engine compartment: gas and inflammable vapours may be present, with the risk of fire.

5) Be very careful when working in the engine compartment when the engine is hot: burns hazard. Do not get too close to the radiator cooling fan: the electric fan may start: injury hazard. Scarves, ties and other loose clothing might be pulled by moving parts.

6) If the engine oil is being topped up, wait for the engine to cool down before loosening the filler cap, especially for cars with an aluminium cap (where provided).

WARNING: risk of burns!



IMPORTANT

3) Be careful not to confuse the various fluid types while topping up: they are not compatible with each other! Topping up with an unsuitable fluid could severely damage your car.

4) The oil level must never exceed the MAX mark.

5) If the MAX mark is exceeded (last segment on the right turns red) after the top-up, go to a Dedicated Alfa Romeo Dealership as soon as possible to have the oil in excess removed.

6) Always top up using engine oil of the same specifications as that already in the engine.



IMPORTANT

1) Used engine oil and oil filters contain substances that are harmful to the environment. To change the oil and filters, we advise you to contact a Dedicated Alfa Romeo Dealership.

WHEELS AND TYRES



9) 10) 11)

SNOW CHAINS

It is possible to put chains on the rear 285/40 R20 tyre (winter tyre size). Avoid using traditional chains as they can damage the braking system if not installed correctly, thereby compromising the car's safety.

We strongly advise using zero-clearance chains and to use equipment proposed by the Dedicated Alfa Romeo Dealership.

TIPS ON ROTATING THE TYRES

IMPORTANT The car comes with tyres that are different for the two axles, so they cannot be rotated in any way.

In the case of irregular tyre wear, identify the cause and correct it as soon as possible, by contacting a Dedicated Alfa Romeo Dealership.



WARNING

7) The road holding qualities of the car also depend on the correct tyre inflation pressure.

8) If the tyre pressure is too low, it may overheat and be severely damaged as a result.

9) Never submit alloy rims for repainting treatments that require the use of temperatures above 150°C. The mechanical properties of the wheels could be impaired.

ENGINE CODE - BODYWORK VERSION

2.9 V6 Engine	Engine code	Bodywork versions
	670051007	949AXG2A

ENGINE

2.9 V6 Engine	
Cycle	Otto
Number and position of cylinders	V6
Piston bore and stroke (mm)	86.5 × 82
Total displacement (cm³)	2891
Compression ratio	9.3:1
Maximum power (ECE) (kW)	375
Maximum power (ECE) (HP)	510
Corresponding engine speed (rpm)	6500
Maximum torque (ECE) (Nm)	600
Maximum torque (ECE) (kgm)	61
Corresponding engine speed (rpm)	2500
Spark plugs	NGK-LKAR8AP7JDS
Fuel	Unleaded petrol 95 R.O.N. (EN228 specifications) (*)

(*) To comply with all emission limits while simultaneously guaranteeing minimal consumption and maximum performance, use premium-quality unleaded petrol with octane rating (RON) 98 or more.

RIMS AND TYRES

RIMS AND TYRES PROVIDED



12)

2.9 V6 Engine	Wheels	Tyres
	FRONT 9Jx20 ET29	FRONT 255/45 R20 101Y
	REAR 10Jx20 ET34	REAR 285/40 R20 104Y

Winter tyres are available in the following sizes: 255/45 R20 101W (M+S) and 285/40 R20 104W (M+S).

NOTE In partnership with Pirelli, Alfa Romeo has developed a range of winter tyres specially for the Alfa Romeo Stelvio. They can be identified by the "AR" mark. The "AR" tyres ensure the best car performance and safety. Alfa Romeo cannot guarantee that non-approved tyres are suitable, and they may cause vehicle malfunctions.

COLD TYRE INFLATION PRESSURE

When the tires are warm, the inflation pressure should be + 0.3 bar in relation to the recommended figure.

However, recheck that the value is correct with the tyre cold.

2.9 V6 Engine	Tyres	Unladen and medium load (*)		Full load (**)	
		Front	Rear	Front	Rear
	255/45 R20 101Y	2.3	—	2.7	—
	285/40 R20 104Y	—	2.5	—	2.9

The indicated pressures are suitable for all types of tyres (summer and winter)

(*) Pressure values for speeds below 160 km/h

(**) Pressure values for speeds above 160 km/h

SNOW CHAINS

It is possible to put chains on the rear 285/40 R20 tyre (winter tyre size).

Avoid using traditional chains as they can damage the braking system if not installed correctly, thereby compromising the car's safety.

We strongly advise using zero-clearance chains and to use equipment proposed by the Dedicated Alfa Romeo Dealership.



WARNING

10) *If winter tyres with a lower speed rating than that indicated in the Registration Certificate are used, do not exceed the maximum speed corresponding to the speed rating of the tyres used.*

DIMENSIONS

Dimensions are expressed in mm and refer to the vehicle equipped with its standard-supplied tyres.
Height is measured with vehicle unladen.

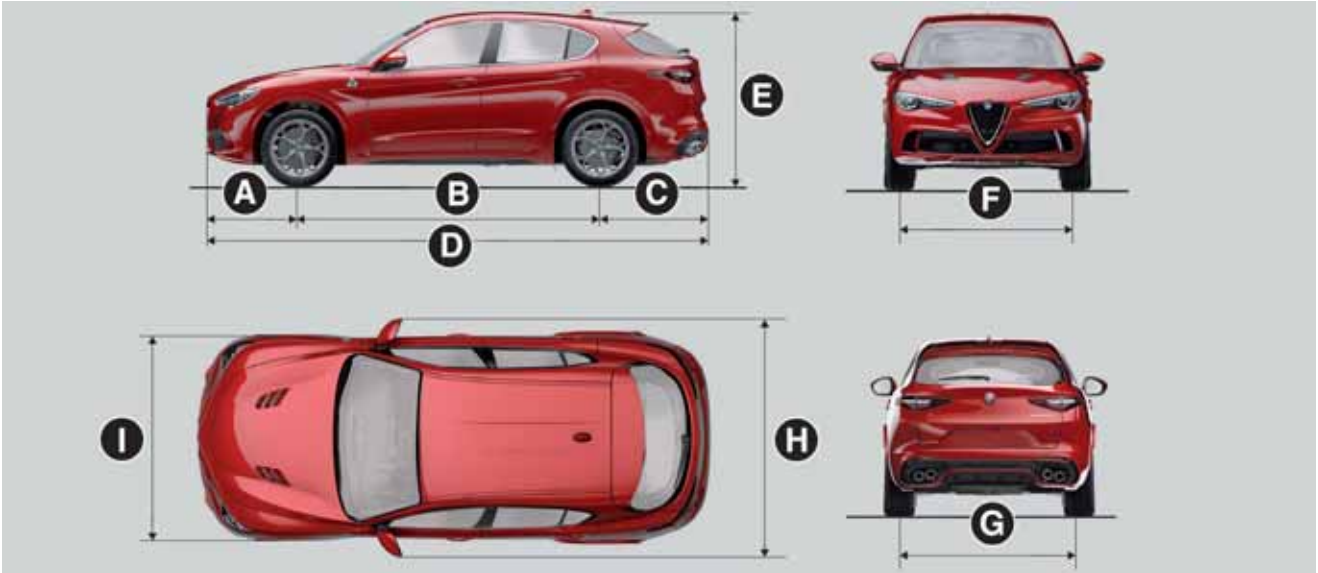


fig. 15

A	B	C	D	E	F	G	H	I
866	2818	1018	4702	1681	1622	1675	2163	1955

WEIGHTS

Weights (kg)	2.9 V6 Engine
Unladen weight (with all fluids, fuel tank filled to 90 % and without optional equipment)	1830
Payload including the driver (*)	630
Maximum permitted loads (**)	
– front axle	1170
– rear axle	1340
– total	2460
Towable loads	–

(*) If special equipment is fitted (trailer towing equipment, etc.) the unladen weight will increase and consequently the payload will decrease in relation to the maximum permitted loads.

(**) Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

REFUELLING

	2.9 V6 Engine
Fuel tank (litres)	64
including a reserve of (litres)	9.6
Main tank cooling system (litres)	11.2
Secondary tank cooling system (litres)	5.75
Engine oil filter (litres)	-
Engine oil sump (litres)	6.5
Hydraulic brake circuit (litres)	0.9
Windscreen washer fluid reservoir (litres)	4.1
AWD automatic transmission (kg)	7.8
RDU 230-TV differential (litres)	
– main unit	0.8
– right side unit	0.61
– left side unit	0.68
AWD System FAD transfer case (litres)	0.45
AWD System TRANSFER CASE (litres)	0.7

FLUIDS AND LUBRICANTS

Your car is equipped with an engine oil that has been thoroughly developed and tested in order to meet the requirements of the Service Schedule. Constant use of the prescribed lubricants guarantees the fuel consumption and emission specifications. Lubricant quality is crucial for engine operation and duration.



PRODUCT SPECIFICATIONS

ENGINE LUBRICATION

Use	Features	Specification	Original fluids and lubricants	Replacement interval
Lubricant for 2.9 V6 petrol engine	SAE 5W-40 ACEA C3	9.55535-GH2	SELENIA QUADRIFOGLIO Contractual Technical Reference N°F022.B18	According to Service Schedule

If lubricants conforming to the specific requirement are not available, products that meet the indicated specifications can be used to top up; in this case optimal engine performance is not guaranteed.

Use	Features	Specification	Original fluids and lubricants	Applications
Lubricants and greases for drive transmission	ATF Synthetic lubricant	9.55550-AV5	TUTELA TRANSMISSION AS8 Contractual Technical Reference N°F139.I11	Automatic transmission ZF 8HP75
	SAE 75W-85 API GL-5 synthetic lubricant	9.55550-DA8	TUTELA TRANSMISSION AXLE- DRIVE Contractual Technical Reference N°F058.N15	Differentials and reduction gears RDU 230-TV



IMPORTANT

7) The use of products with specifications other than those indicated above could cause damage to the engine not covered by the warranty.

PERFORMANCE

Top performance after the initial period of car usage.

2.9 V6 Engine	Maximum speed km/h	Acceleration from 0-100 km/h sec.
	283	3.8

FUEL CONSUMPTION

The fuel consumption figures given in the table below are determined on the basis of the type-approval tests laid down by specific European Directives.

IMPORTANT The type of route, traffic conditions, weather conditions, driving style, general condition of the car, trim level/equipment/accessories, use of the climate control system, car load, presence of roof racks and other situations that adversely affect the aerodynamics or wind resistance lead to different fuel consumption values than those measured.

IMPORTANT The fuel consumption will get more regular only after having driven the first 3000 km.

FUEL CONSUMPTION ACCORDING TO THE CURRENT EUROPEAN DIRECTIVE (litres/100 km)

2.9 V6 Engine	Urban	Extra-urban	Combined
	11.7	7.5	9.0

CO₂ EMISSIONS

The CO₂ emission levels given in the following table refer to combined consumption.

2.9 V6 Engine	CO ₂ EMISSIONS ACCORDING TO THE CURRENT EUROPEAN DIRECTIVE (g/km)
	210

QUADRIFOGLIO VERSION - ADVICE FOR USE

PERFORMANCE

The Alfa Stelvio Quadrifoglio is equipped with an engine capable of delivering exceptionally fast acceleration and speed:

- ❑ Peak power 510 HP at 6500 rpm.
- ❑ Peak torque 61 kgm at 2500 rpm.
- ❑ Top speed: 283 km/h
- ❑ Acceleration from 0 to 100 km/h: 3.8 seconds

For safe driving, it is essential, particularly during the first days of use, to get to know the car by driving carefully and gradually discovering its performance.

BRAKES



11)

The car braking system may optionally fit four carbon-ceramic material brake discs, one on each wheel.

In order to guarantee the maximum braking capacity for the first use, Alfa Romeo performs a "run-in" procedure for discs and pads directly at the factory.

The use of carbon-ceramic material brake discs guarantees braking features (better deceleration/pedal load ratio, braking distances, fading resistance) proportional to the dynamic features of the car in addition to considerably decreasing the unsprung component weight.

The materials used and the structural features of the system could generate anomalous noises which have absolutely no adverse effect on correct operation and reliability of the braking system.

Greater pressure may need to be applied to the brake pedal the first time to keep the same braking capacity in presence of condensation or salt on the braking surfaces, for example after washing or if the car is not used for a long time.

IMPORTANT Given the high technological level of this system, any servicing on it must be performed by a Dedicated Alfa Romeo Dealership with the exclusive skills needed for the repair operations.

IMPORTANT In case of intensive, high-performance use of the car, have the condition of the carbon-ceramic material braking system inspected at a Dedicated Alfa Romeo Dealership, as shown on the Service Schedule.



WARNING

11) After the car has been stopped for a long time in a very cold place (temperature below 0 °C), the first five times the brakes are used, the carbon-ceramic braking system efficiency is not optimal, so you may need slightly more pressure on the brake pedal.

DRIVING ON RACE TRACKS

Before driving on a track using a racing style, it is necessary to:

- ❑ Attend a race track driving course.
- ❑ Check the liquid levels in the engine compartment. For more information, see the "Checking levels" paragraph in the "Servicing and care" chapter of the Owner Handbook.
- ❑ Have the car inspected at a Dedicated Alfa Romeo Dealership centre.

Remember that the car was not designed to be driven exclusively on the racing track, and that this use increases stress and wear on components and consumable materials.

Preheating the carbon ceramic material brake discs

The brake discs must be warmed up to make them fully efficient. You are advised to perform the following procedure:

- ❑ brake nine times from 130 km/h to 30 km/h with deceleration equal to 0.7g (the longitudinal acceleration value is shown on the instrument panel display by setting RACE mode and selecting the "Performance" page) with 20 second intervals between brake applications; keep the car at a speed comprised between 60 km/h and 100 km/h and do not brake for 240 seconds to allow the brakes to cool down;
- ❑ then brake three times from 200 km/h to 30 km/h with deceleration equal to 1.1g (ABS operation) with 30 second intervals between brake applications; keep the car at a speed comprised between 60 km/h and 100 km/h and do not brake for 300 seconds to allow the brakes to cool down.



La meccanica delle emozioni