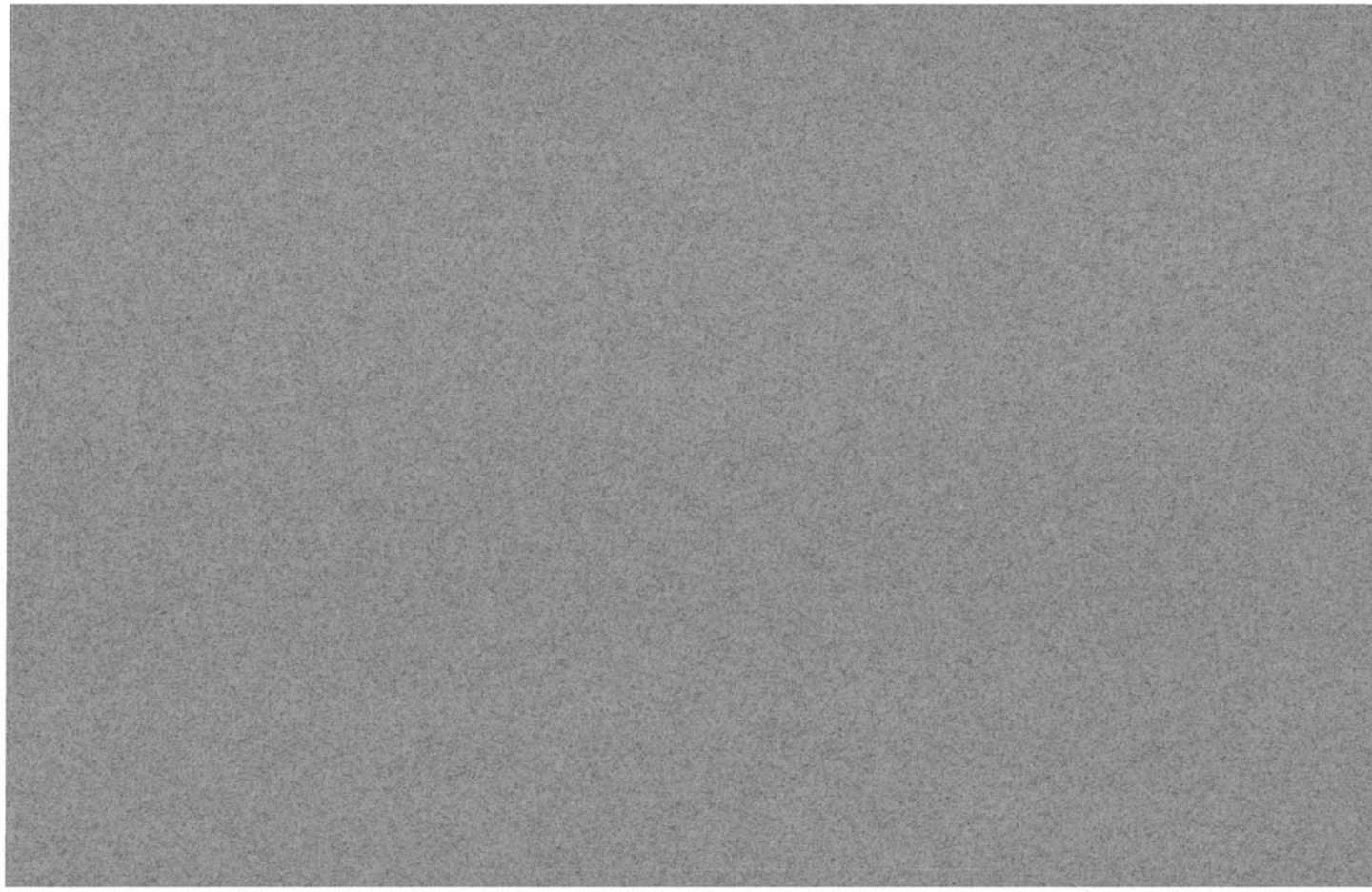




Q45
1992 OWNER'S MANUAL



FOREWORD

Your INFINITI represents a new way of thinking about car design. It integrates advanced engineering and superior craftsmanship with a simple, refined aesthetic sensitivity associated with traditional Japanese culture.

The result is a different notion of luxury and beauty. The car itself is important, but so also is the sense of harmony that the car evokes in its driver, and the sense of satisfaction you feel with the INFINITI — from the way it looks and drives to the high level of dealer service.

To ensure that you enjoy your INFINITI to the fullest, we encourage you to read this Owner's Manual immediately. It explains all of the features, controls and performance characteristics of your INFINITI; it also provides important instructions and safety information.

A separate Warranty booklet is to be found in your Owner's Literature Portfolio. Always carry it with you when you take your INFINITI to an authorized dealer. The Portfolio contents provide complete information about all warranties covering this vehicle, the periodic maintenance required to keep the warranties in effect as well as the INFINITI roadside Assistance Program.

INFINITI is dedicated to providing a satisfying ownership experience for as long as you own your car. Should you have any questions regarding your INFINITI or your INFINITI dealer, please contact our Consumer Affairs department at 1-800-662-6200. In Hawaii 531-0231 (Oahu Number). Thank you.

WHEN READING THE MANUAL

This manual includes information for all options available on this model. Therefore, you may find some information that does not apply to your vehicle.

All information, specifications and illustrations in this manual are those in effect at the time of printing. INFINITI reserves the right to change specifications or design at any time without notice.

READ FIRST — THEN DRIVE SAFELY

Before driving your vehicle, please read your Owner's Manual carefully. This will ensure familiarity with controls and maintenance requirements, assisting you in the safe operation of your vehicle.

Throughout this manual we have used the word **WARNING**. This is used to indicate the presence of a hazard which may cause the possibility of a personal injury or other damage and must be followed precisely.

CAUTION. This is also used throughout the manual to indicate the presence of a hazard that could cause possible minor injury to yourself or components and the procedures must be followed carefully.



©1991 NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

TABLE OF CONTENTS

IMPORTANT SAFETY INFORMATION

REMINDERS FOR SAFETY!

Follow these three important driving rules to help ensure a safe and comfortable trip for you and your passengers!

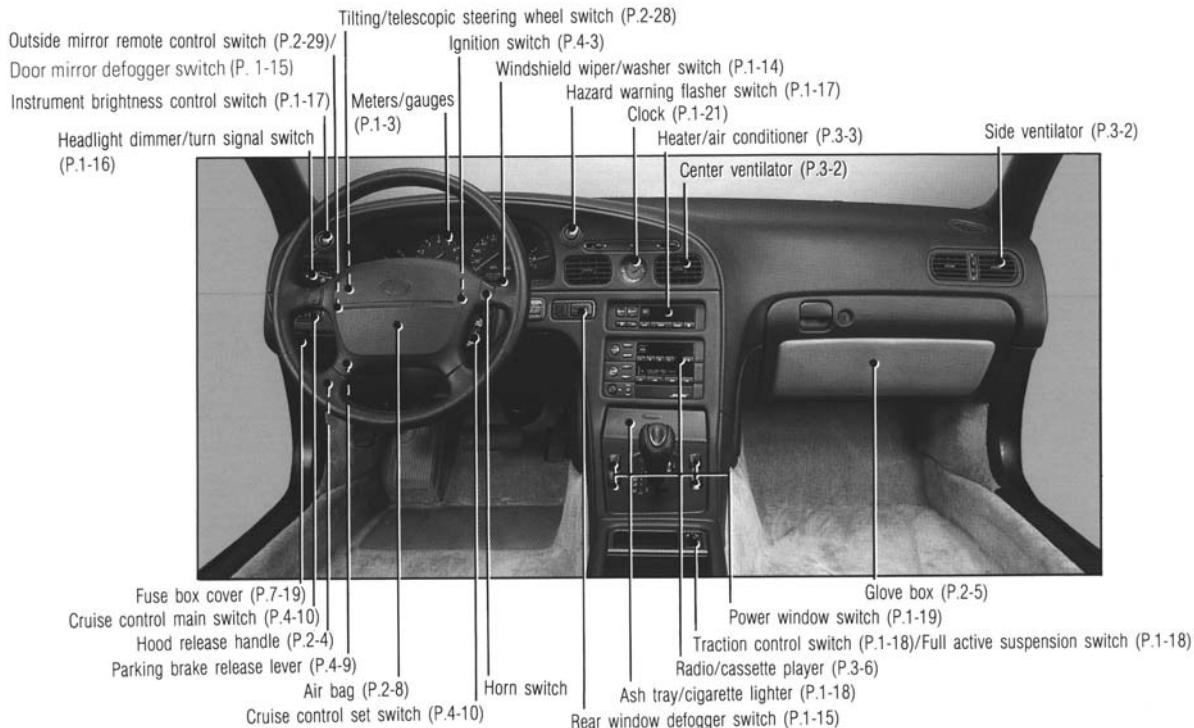
- **NEVER** drive under the influence of alcohol or drugs.
- **ALWAYS** observe posted speed limits and never drive too fast for conditions.
- **ALWAYS** use your seat belts and appropriate child restraint systems.

INSTRUMENTS AND CONTROLS.....	1-1
PRE-DRIVING CHECKS AND ADJUSTMENTS	2-1
HEATER, AIR CONDITIONER AND AUDIO SYSTEM	3-1
STARTING AND DRIVING	4-1
IN CASE OF EMERGENCY	5-1
APPEARANCE AND INTERIOR CARE.....	6-1
DO-IT-YOURSELF	7-1
MAINTENANCE	8-1
TECHNICAL AND CONSUMER INFORMATION.....	9-1
INDEX	10-1

1 INSTRUMENTS AND CONTROLS

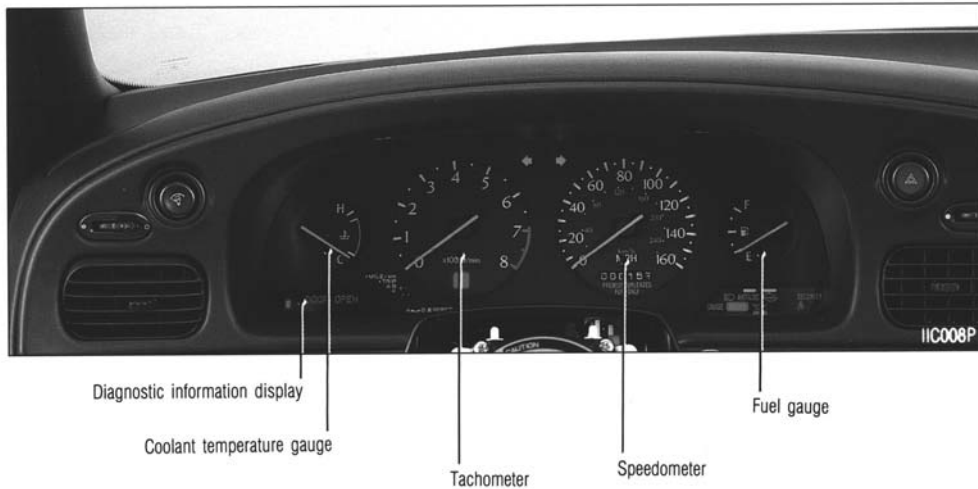
Meters and gauges	1-3	Full-active suspension height	
Warning/indicator light and chime	1-7	control switch	1-18
Diagnostic information display	1-12	Traction control cancel switch	1-18
Windshield wiper and washer switch	1-14	Cigarette lighter and ashtrays	1-18
Rear window defogger switch	1-15	Power window	1-19
Outside mirror defogger switch	1-15	Sun roof	1-20
Headlight and turn signal switch	1-16	Clock	1-21
Instrument brightness control		Interior light	1-22
and foot light switch	1-17	Personal light	1-22
Hazard warning flasher switch	1-17	Vanity mirror light	1-23

INSTRUMENTS AND CONTROLS



INSTRUMENTS AND CONTROLS

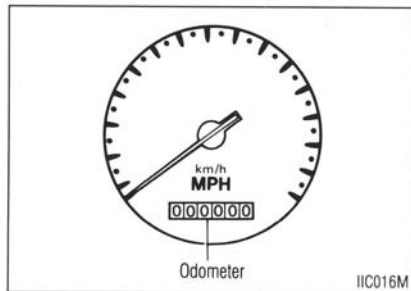
METERS AND GAUGES



INSTRUMENTS AND CONTROLS

SPEEDOMETER

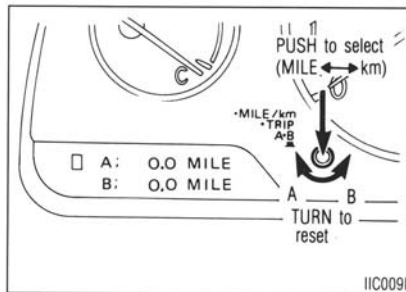
The speedometer indicates vehicle speed in miles per hour.



ODOMETER

The odometer records the total mileage the vehicle has been driven.

TRIP ODOMETER



The trip odometer records the distance covered during individual trips.

When the ignition is turned "ON" and there is no malfunction, the display will show "OK" for approximately 8 seconds. The display will then show the trip odometer.

The trip odometer is divided into 2 displays, A and B. This will allow the trip odometer to record 2 different distances. Turning the knob

clockwise will reset A to zero and turning it counterclockwise will reset B to zero.

By pushing the knob, the display unit (MILE or km) can be selected.

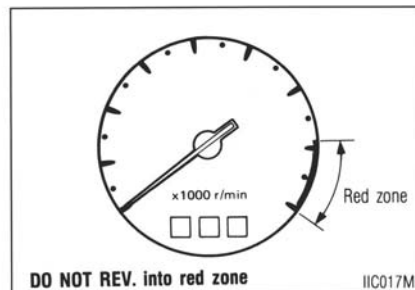
If any malfunction warning is shown, then the trip odometer will not be displayed. Pushing the knob will display the trip odometer for 8 seconds. At this time the displayed unit cannot be changed.

When "low fuel" or "low washer" is displayed, the trip odometer will display only A. Display B can be obtained by pushing the knob.

INSTRUMENTS AND CONTROLS

TACHOMETER

The tachometer indicates engine speed in revolutions per minute (rpm).

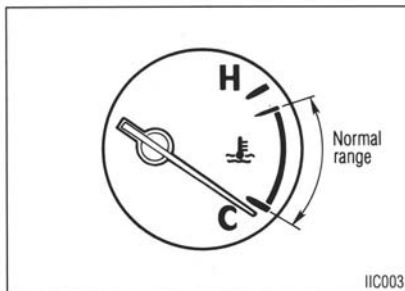


CAUTION:

When engine speed approaches the red zone, shift to a higher gear. Engine speed in the red zone may cause serious engine damage.

COOLANT TEMPERATURE GAUGE

The gauge indicates engine coolant temperature. Engine coolant temperature will vary with the outside air temperature and driving conditions.



CAUTION:

If the gauge indicates over the normal range, stop the vehicle as soon as safely possible. If the engine is over-

heated, continued operation of the vehicle may seriously damage the engine. See "In case of emergency" section for immediate action required.

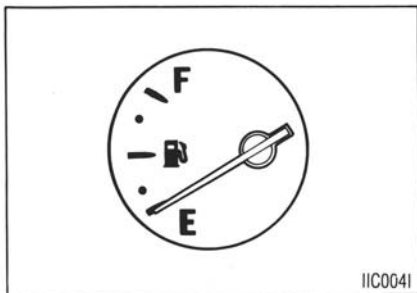
INSTRUMENTS AND CONTROLS

FUEL GAUGE

The gauge indicates the APPROXIMATE fuel level in the tank.

The gauge may move slightly during braking, turning, acceleration, or going up or down hill.

The gauge needle is designed to remain in approximately the same position, even when the ignition key is turned "OFF".



Refill the fuel tank before the gauge registers Empty.

INSTRUMENTS AND CONTROLS

WARNING/INDICATOR LIGHT AND CHIME

 BRAKE	Brake warning light	 AIR BAG	Air bag warning light	● Low washer warning display
	Turn signal/hazard indicator light		Emission system warning light	● Low fuel warning display
	High beam indicator light (Blue)		Traction control system warning light	● Headlight warning display
	Seat belt warning light		Slip indicator light	● Stop light warning display
	Oil pressure warning light		Height indicator light	● Tail light warning display
	Cruise indicator light		Full-active suspension warning light	● Stop/tail light system warning display
	Anti-lock brake warning light		Diagnostic information display	● Charge warning display
	SUPER HICAS warning light		● Automatic transmission warning display	● Brake pad wear warning display
	Theft warning light		● Door open warning display	● OK display

Checking bulbs

Apply the parking brake and turn the ignition key to "ON" without starting the engine. The

following lights will come on: , , , , , , , , 

If any light fails to come on, it may indicate a

burned-out bulb or an open circuit in the electrical system. Have the system repaired promptly.

INSTRUMENTS AND CONTROLS



Engine oil pressure warning light

This light warns of low engine oil pressure. If the light flickers or comes on during normal driving, pull off the road in a safe area, stop the engine **immediately** and call an INFINITI dealer or other responsible repair shop. **Running the engine when the oil pressure warning light is on could cause serious damage to the engine. In case of emergency, see Section 5.**

The oil pressure warning light is not designed to indicate a low oil level. Use the dipstick to check the oil level. See "Engine oil" in the "Do-it-yourself" section.



Seat belt warning light and chime

The light and chime remind you to fasten seat belts. The light flashes "ON" and "OFF" for about seven seconds whenever the ignition key

is turned to "ON". At the same time, the chime will sound for about seven seconds unless the driver's seat belt is securely fastened.



Brake warning light

This light functions for both the parking brake and the foot brake systems.

Parking brake indicator

The light comes on when the parking brake is applied.

Low brake fluid warning

The light warns of a low brake fluid level. If the light comes on while the engine is running with the parking brake not applied, stop the vehicle and perform the following:

1. Check the brake fluid level. Add brake fluid as necessary. See "Brake fluid" in the "Do-it-yourself" section.
2. If the brake fluid level is correct, have the

warning system checked by an INFINITI dealer.

WARNING:

- ***If you judge it to be safe, drive carefully to the nearest service station for repairs. Otherwise, have your vehicle towed because driving it could be dangerous. In case of emergency, see Section 5.***
- ***Pressing the brake pedal with engine stopped and/or low brake fluid level may increase your stopping distance and require greater pedal effort as well as greater pedal travel.***



Anti-lock brake warning light

INSTRUMENTS AND CONTROLS

If the light comes on while the engine is running, it may indicate there is something wrong with the anti-lock portion of the brake system. Have the system checked by your INFINITI dealer.

If an abnormality occurs in the system, the anti-lock function will cease but the ordinary brakes will continue to operate normally.

If the light comes on while you are driving, contact your INFINITI dealer for repair.

AIR
BAG

Air bag warning light

When the ignition key is in the "ON" or "START" position, the air bag light will illuminate for about 7 seconds and then turn off. This means the system is operational.

If any of the following conditions occur, the air bag needs servicing and your INFINITI must be taken to your nearest authorized INFINITI dealer.

1. The air bag light does not come on for 7 seconds and then go off as described above.
2. The air bag light flashes intermittently or remains on.
3. The air bag light does not come on at all.

Unless checked and repaired, the Supplemental Restraint System may not function properly. For additional details on the Air Bag System, see Section 2.



Turn signal/hazard indicator lights

The light flashes when the turn signal switch lever or hazard switch is turned on.



High beam indicator light (Blue)

This light comes on when the headlight high beam is on and goes out when the low beam is selected.

CRUISE

Cruise indicator light

The light comes on while the vehicle speed is controlled by the cruise control system.

HICAS

SUPER HICAS warning light

If the light comes on while the engine is running, it may indicate there is something wrong with the SUPER HICAS portion of the steering system or that the power steering fluid is low. If after checking the fluid level the light remains on, have the system checked by your INFINITI dealer.

If an abnormality occurs in the system, the SUPER HICAS function will stop but the ordinary 2 wheel steering will operate normally.

If the light comes on while you are driving, contact your INFINITI dealer for repair.

INSTRUMENTS AND CONTROLS



Emission system warning light

If this light comes on while the engine is running, it may indicate a potential emission control problem. Although the vehicle may still be driveable, see your INFINITI dealer for service as soon as possible. Continued operation without having the emission control system checked and repaired as necessary could lead to excessive emissions, poor driveability, reduced fuel economy, and possible damage to the emission control system which may affect your warranty coverage.



Traction control system warning light

When the traction control system switch is off, this light comes on. When the TCS indicator light and slip indicator light come on with the traction control system switch turned on, this

light alerts the driver to the fact that the traction control system's failsafe mode is operating i.e. that the traction control system is temporarily out of order.

Have the system checked by your INFINITI dealer. If an abnormality occurs in the system, the traction control function will be canceled but the vehicle can still be driven. See "Traction control system" in the "Starting and driving" section.



Slip indicator light

This indicator will light when the traction control system is operating, thus alerting the driver to the fact that the road surface is slippery and informing him of when the vehicle is nearing its limits.



Full-active suspension warning light

If the light comes on or remains lit, while the engine is running it may indicate there is

something wrong with the full-active suspension portion of the suspension system. Have the system checked by your INFINITI dealer.

If an abnormality occurs in the system, the full-active suspension function will stop but the ordinary suspension will operate normally.



Height indicator light

This light comes on, when the driver selects the "H" range by turning the height control switch.



THEFT WARNING

The theft warning system provides visual and audio alarm signals if parts of the vehicle are disturbed.

How to activate the theft warning system

1. Remove the key from the ignition switch.
2. Close all windows. Close and lock all doors, hood and trunk lid. The doors can be locked

INSTRUMENTS AND CONTROLS

either with or without the key.

The system can be activated even if the windows are open.

3. Confirm that the warning light comes on. The light will glow for about 30 seconds and then go out. The system is now activated. If, during this 30 second time period, the door is unlocked or the ignition key is turned to "ACC" or "ON", the system will not activate.

CAUTION:

- ***If the key is turned slowly when locking the door, the system may not activate. Furthermore, if the key is turned excessively to the unlock position, the system may be deactivated when the key is removed. If the indicator light fails to glow for***

30 seconds, unlock the door once and lock it again.

- ***Even when the driver and/or passengers are in the vehicle, the system will activate with all doors, hood, trunk lid and back door locked and ignition key off.***

Theft warning system operation

The warning system will give the following alarm:

- The headlights blink and the horn sounds intermittently. In addition, the starter motor will not operate.
- The alarm automatically turns off after 2 to 4 minutes; however, the alarm will reactivate if the vehicle is tampered with again.

The alarm is activated by:

- Opening the door or trunk lid without using the key (even if the door is opened by releasing the door inside lock knob) or opening the trunk lid or back door by operating the opener lever.
- Opening the hood.
- Pushing in or pulling out of the key cylinder on the door or trunk lid.

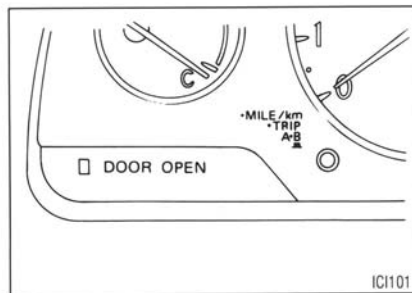
How to stop alarm

The alarm will stop only by unlocking a door or trunk lid with the key. The alarm will not stop if the ignition switch is turned to "ACC" or "ON".

If the system does not operate as described above, have it checked by your INFINITI dealer.

INSTRUMENTS AND CONTROLS

DIAGNOSTIC INFORMATION DISPLAY



When the ignition is "ON" and there is no malfunction, the display will show "OK" for approximately 8 seconds. The display will then show the 2 trip odometers.

If a malfunction occurs, the display will show the malfunctioning item. The trip odometers will not be displayed. If the knob is pushed during the indication of a malfunction, the trip odometers (both A, B) are displayed for approxi-

mately 8 seconds. Then the malfunction will be indicated again.

While the trip odometers are displayed, it is possible to reset them. It is not possible to change from the km to the MILE display.

If a malfunction occurs before the ignition is turned on, the display will show the malfunction as soon as the ignition is turned "ON". If a malfunction occurs while driving, the malfunction will be indicated as soon as it is detected. When there is more than 1 malfunction, the display will show one for approximately 8 seconds and then switch to the other malfunctioning item.

Charge warning (LOW BATTERY CHARGE)

If this warning is displayed while the engine is running, it may indicate that there is something wrong with the charging system. Turn the engine off and check the alternator belt. If the

belt is loose, broken, missing or if the light remains on, see your INFINITI dealer immediately. In case of emergency, see Section 5.

CAUTION:

Do not continue driving if the belt is loose, broken or missing. In case of emergency, see Section 5.

Brake pad wear warning (BRAKE PAD WORN)

When a brake pad requires replacement, the warning will be displayed. Have the brakes checked as soon as possible by your INFINITI dealer.

Headlight warning (HEADLIGHT INOPERATIVE)

If this warning is displayed with the ignition switch on and the headlights on, one or more

INSTRUMENTS AND CONTROLS

headlight bulbs are burned out. Replace the headlight bulb. See "Light bulbs" in the "Do-it-yourself" section.

To cancel this warning, after replacing the headlight bulb, the ignition switch and the head lamp switch should be turned "ON" for approximately 1 second. If the warning is not canceled, it will be displayed again when the ignition switch is turned "ON".

Stop light warning (STOP LAMP INOPERATIVE)

If this warning is displayed with the ignition switch on and with the brake pedal depressed, one or more stop light bulbs are burned out. Replace the stop light bulb.

To cancel this warning, after replacing the stop light bulb, the ignition switch should be turned "ON" and the brake pedal depressed for approximately 1 second. If the warning is not canceled, it will be displayed again when the

ignition switch is turned "ON".

Tail light warning (TAIL LAMP INOPERATIVE)

If this warning is displayed with the ignition switch on and with the light switch on, one or more tail light bulbs are burned out. Replace the tail light bulb.

To cancel this warning, after replacing the tail light bulb, the ignition switch and the tail light should be turned "ON" for approximately 1 second. If the warning is not canceled, it will be displayed again when the ignition switch is turned "ON".

Tail/stop light system warning (TAIL/STOP LAMP INOPERATIVE)

If this warning is displayed with the ignition switch on and with the light switch on, or when the brake pedal is depressed, there is a malfunction in the tail or stop light system.

To cancel this warning, after replacing the burned out bulb, the ignition switch and the tail/stop light should be turned "ON", and the brake pedal depressed for approximately 1 second. If the warning is not canceled, it will be displayed again when ignition switch is turned "ON".

Automatic transmission warning (TRANSMISSION MALFUNCTION)

When the ignition switch is "ON" and the warning is displayed, there is something wrong with the transmission. Have your INFINITI dealer check and repair the transmission as required.

Door open warning (DOOR OPEN)

This warning is displayed when any of the

INSTRUMENTS AND CONTROLS

doors are not closed securely while the ignition key is "ON".

Low fuel warning (LOW FUEL)

This warning is displayed when the fuel tank is almost empty. Refuel at the nearest gas station.

Low washer fluid warning (LOW WASHER)

This warning is displayed when the washer tank fluid is at a low level. Add washer fluid as necessary. See the "Do-it-yourself" section.

OK light

When the "OK" is displayed, there is no malfunction in the systems monitored by the diagnostic information display.

Key reminder chime

The chime will sound if the driver side door is opened while the key is left in the ignition

switch. Remove the key and take it with you when leaving the vehicle.

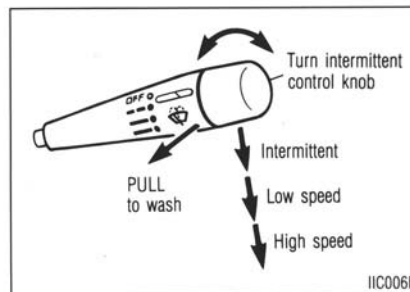
Light reminder chime

A chime will sound when the driver side door is opened if the light switch is turned on (ignition switch is turned off).

Turn the light switch off when you leave the vehicle.

WINDSHIELD WIPER AND WASHER SWITCH

Push the lever down to operate the wiper. Pull the lever toward you to operate the washer.



Intermittent operation can be adjusted from 4 to 12 seconds by turning the knob.

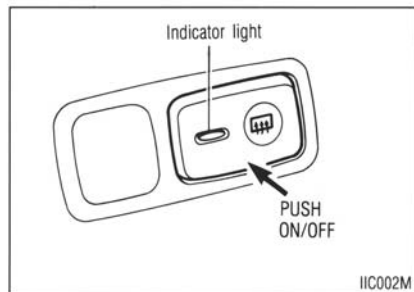
CAUTION:

- ***Do not operate the washer continuously for more than 30 seconds.***

INSTRUMENTS AND CONTROLS

- ***Do not operate the washer if the reservoir tank is dry.***

REAR WINDOW DEFOGGER SWITCH



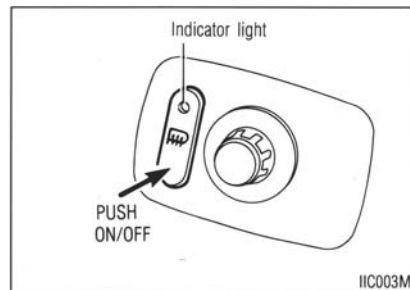
To defog the rear window glass, start the engine and push the switch on. The indicator light will come on. Push the switch again to turn the defogger off.

It will automatically turn off in approximately 15 minutes.

CAUTION:

When cleaning the inner side of the window, be careful not to scratch or damage the electrical conductor strips.

DOOR MIRROR DEFOGGER SWITCH

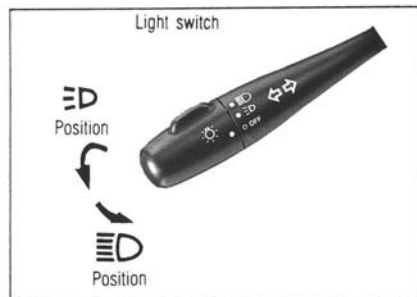


To defog the outside door mirror glass, start the engine and push the switch on. The indicator light will come on. Push the switch off when the mirrors are clear.

INSTRUMENTS AND CONTROLS

HEADLIGHT, DIMMER AND TURN SIGNAL SWITCH

Lighting



Turn the switch to the "D" position:

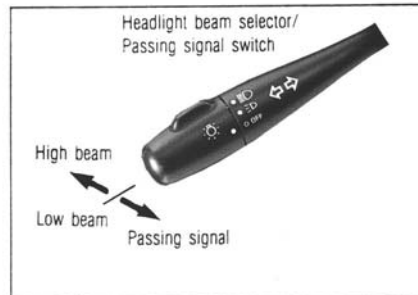
The front clearance, side marker, tail, license plate and instrument lights will come on.

Turn the switch to the "D" position:

Headlights will come on and all the other lights remain on.

Daytime light system (For Canada)

Even if the light switch is off, the headlight high beam will come on after starting the engine. The headlights illuminate a little darker than with the light switch in the "D" position.

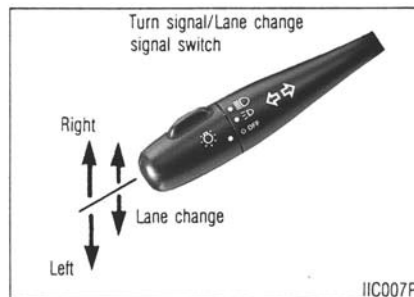


To select the high beam, push the lever forward. Pull it back to select the low beam.

Passing signal

Pulling the lever will flash the headlight high beam.

Turn signal



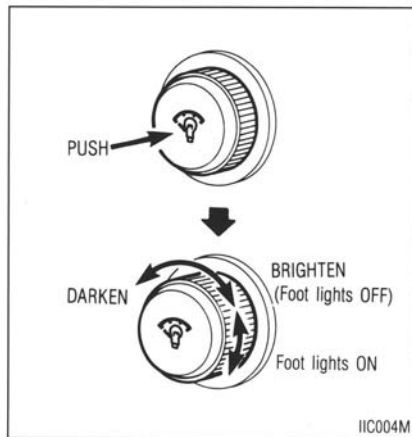
Move the lever up or down to signal the turning direction. When the turn is completed, the turn signals cancel automatically.

Lane change signal

To signal a lane change, move the lever up or down to the point where the lights begin flashing.

INSTRUMENTS AND CONTROLS

INSTRUMENT BRIGHTNESS CONTROL AND FOOT LIGHT SWITCH



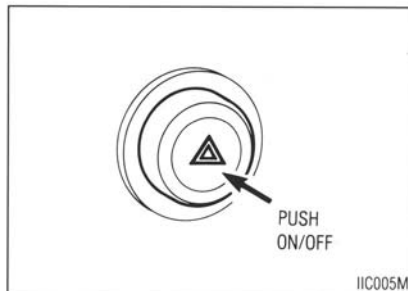
Turn the headlight switch on, then push and turn the control knob to adjust the brightness of the instrument panel lights.

Foot light switch:

Even if the headlight switch is turned off, the interior light, step light and foot well lights will come on.

HAZARD WARNING FLASHER SWITCH

Push the switch on to warn other drivers when you must stop or park under emergency conditions. All turn signal lights will flash.



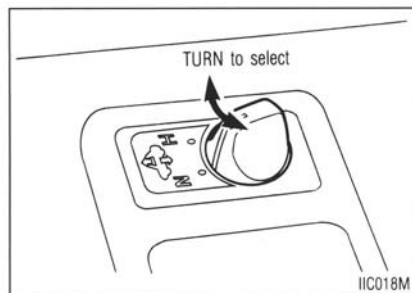
WARNING:

- *When stalled or stopped on the roadway under emergency conditions, move the vehicle well off the road.*
- *Do not use the switch while moving on the highway unless unusual circumstances force you to drive so slowly that your vehicle might become a hazard to other traffic.*
- *Some state laws may prohibit the use of the hazard warning flasher switch while driving.*
- *Turn signals do not work when the switch is operating.*

The flasher can be actuated with the ignition switch either off or on.

INSTRUMENTS AND CONTROLS

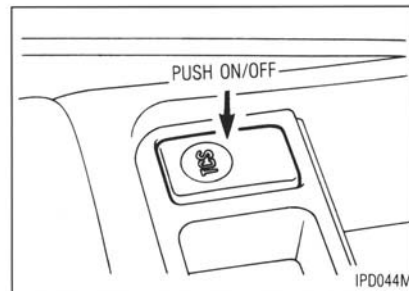
FULL-ACTIVE SUSPENSION HEIGHT CONTROL SWITCH



The height of the car is adjustable for driving on rough or gravel roads. Turning the switch to H while the engine is on will cause the car to rise up gradually [approx. 0.8 in (2 cm)]. The HEIGHT indicator light in the meter will illuminate at the same time.

See "FULL-ACTIVE SUSPENSION" in the "Starting and driving" section.

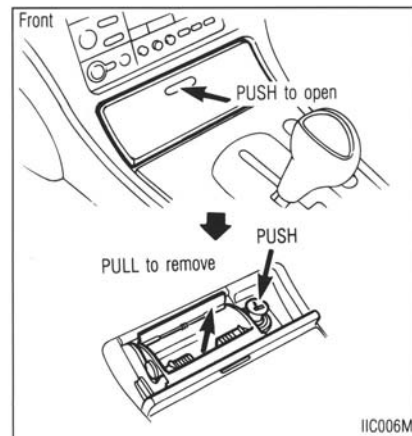
TRACTION CONTROL CANCEL SWITCH



To cancel the TCS (traction control system), push the TCS switch on. The indicator will come on. Push it again to turn it ON.

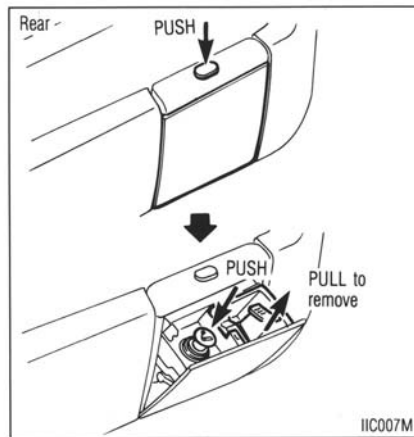
See "TRACTION CONTROL SYSTEM" in the "Starting and driving" section.

CIGARETTE LIGHTER AND ASHTRAYS



When the key is in the ACC, or ON position, push the lighter in all the way, then release it. When the lighter is heated, it will spring out. Return the lighter to its original position after use.

INSTRUMENTS AND CONTROLS



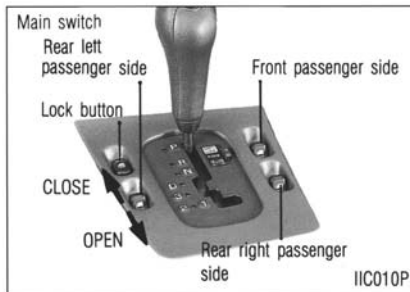
To empty the ashtray, pull up on the horizontal bar and remove the tray.

CAUTION:

The cigarette lighter should not be used while driving in order that full attention may be given to the driving operation.

POWER WINDOW

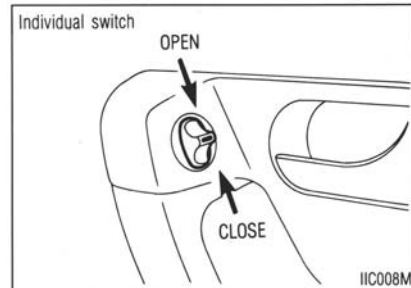
The power window operates only when the ignition key is in the "ON" position.



To open or close the window, press the switch and hold it down.

Locking passenger's window

When the lock button is pushed in, only the driver side window can be opened or closed. Push it in again to cancel.



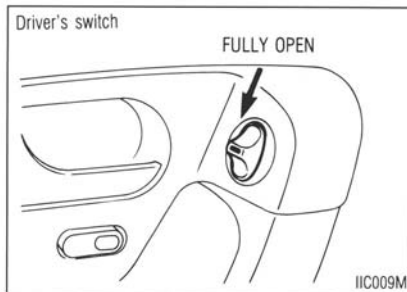
The individual switch will open or close the only the corresponding window. To open, hold the switch down. To close, hold the switch up.

WARNING:

- ***Make sure that all passengers have their hands, etc. inside the vehicle before closing the windows.***
- ***Do not leave children unattended inside the vehicle. They could unknowingly activate switches.***

INSTRUMENTS AND CONTROLS

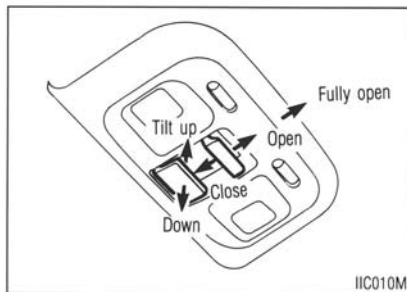
AUTOMATIC SWITCH



To fully open the driver side window, press down on the switch and release it; it need not be held. The window will automatically open all the way. To stop the window, press then release the "UP" side of the switch.

SUN ROOF

The sun roof will only operate when the ignition key is in the "ON" position.



Sliding the sun roof

To open the roof, press the "OPEN" side of the switch.

To fully open the sun roof, fully press the "OPEN" side of the switch and release it; it need not be held. The sun roof will automatically open all the way. To stop the sun roof just

press the switch on the opposite side of the switch.

To close the roof, hold down the "CLOSE" side.

Tilting the sun roof

To tilt up, first close the sun roof, then keep pushing the "UP" side of the tilt switch. To close the sun roof, keep pushing the "DOWN" side.

WARNING:

- ***Be extremely careful not to have any part of your body in the sun roof opening while the roof is closing.***
- ***Do not stand up or extend any portion of your body out of the opening while driving.***
- ***Remove water drops, snow, ice or sand from the sun roof before opening.***
- ***Do not place any heavy object on the sun roof or surrounding area.***

INSTRUMENTS AND CONTROLS

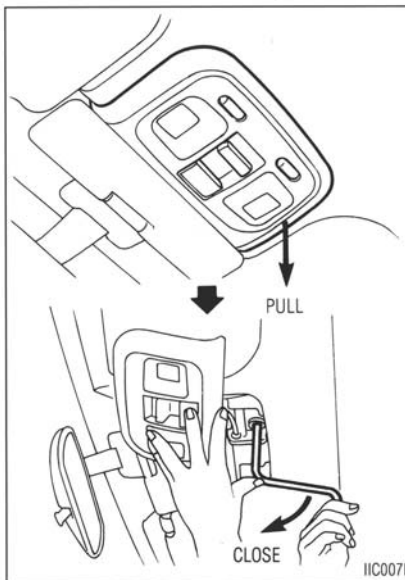
IF THE SUN ROOF DOES NOT CLOSE

CAUTION:

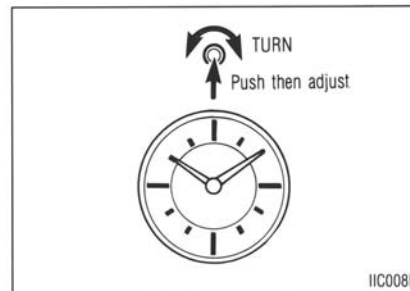
Turn the ignition key off. Be certain no objects are lodged in the sun roof opening.

1. Remove the spot light unit.
2. Use the wrench supplied in the tool bag and turn the shaft clockwise to close the sun roof.

Have the sun roof system checked and repaired by your INFINITI dealer.



CLOCK



Push the knob to move the knob in and out. The time can be adjusted by turning the knob.

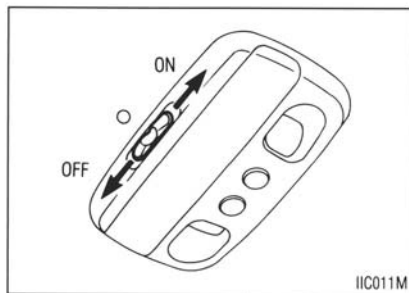
After adjustment, push the knob in. If the knob is left out, the clock will not work.

INSTRUMENTS AND CONTROLS

INTERIOR LIGHT

The interior light has a three-position switch.

When the switch is in the center "○" position, the light will illuminate when a door is opened.



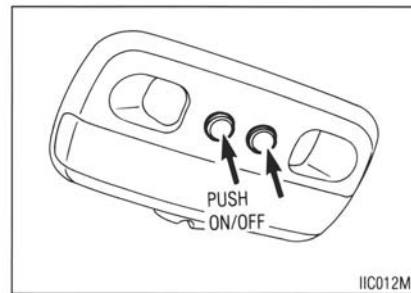
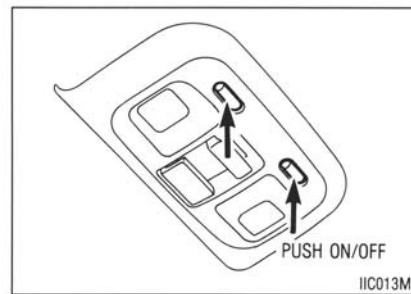
Interior light delay system

When the light switch is set at the center "○" position, the interior light will gradually fade out after the front door is closed.

Illuminated entry system

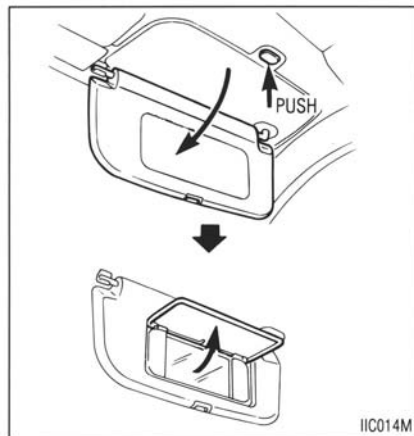
When the light switch is set at the center "○" position and the front door handle is pulled and released once, the interior light and door key light will come on and gradually go out. This system is helpful at night to locate the door key slot or check the vehicle interior.

PERSONAL LIGHT



INSTRUMENTS AND CONTROLS

VANITY MIRROR LIGHT



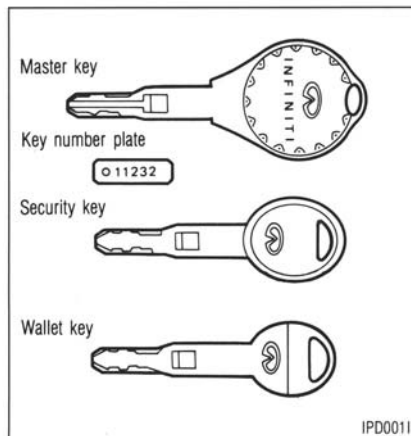
The light on the vanity mirror will turn on when the cover on the vanity mirror is opened.

2 PRE-DRIVING CHECKS AND ADJUSTMENTS

Key	2-2	Accessory box.....	2-17
Door locks	2-2	Seat belts	2-17
Hood release.....	2-4	Tilting steering column	2-29
Glove box lock	2-5	Telescopic steering column	2-29
Trunk lid	2-5	Outside mirrors remote control.....	2-30
Fuel filler lid	2-6	Foldable outside mirrors.....	2-30
Supplemental restraint system	2-8	Inside mirror	2-30
Automatic drive positioner.....	2-12	Vanity mirror (sun visor).....	2-31
Seats	2-15	Parcel shelf box.....	2-31

PRE-DRIVING CHECKS AND ADJUSTMENTS

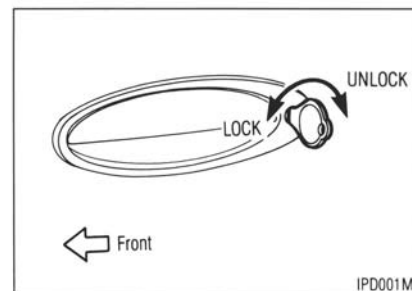
KEY



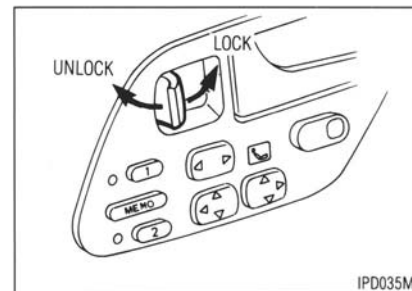
The master key can be used for all the locks. The security key cannot be used for the trunk lid or glove box locks. To protect belongings when you leave a key with someone, give them the security key only. The wallet key acts as a spare security key, and should be carried with

you. Never leave this key in the vehicle.

Record the key number on the metal tag and keep it in a safe place (such as your wallet), NOT IN THE CAR. A key number plate is supplied with your key. Keep the plate in a safe place. If you lose your keys, see your INFINITI dealer for duplicates by using the key number. In case of emergency, see Section 5.



Locking the doors without key



DOOR LOCKS

Locking front doors with key

To lock the door, turn the key towards the front of the vehicle.

To unlock, turn it towards the rear.

Locking the front door will simultaneously lock the other doors.

PRE-DRIVING CHECKS AND ADJUSTMENTS

To lock the doors from the outside without a key, move the inside lock knob to the "LOCK" position, then close the door.

When locking the door this way, be certain not to leave the key inside the vehicle.

The inside lock knob cannot be set to the "LOCK" position with front doors opened and with the key in the ignition.

CAUTION:

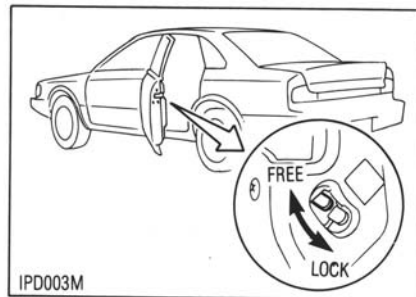
- ***Always have the doors locked while driving. Along with the use of seat belts, this provides greater safety in the event of an accident by helping to prevent persons from being thrown from the vehicle. This also helps keep children and others from unintentionally opening the doors, and will help keep out intruders.***
- ***Before opening any door, always***

look for and avoid oncoming traffic.

CHILD SAFETY REAR DOOR LOCK

Child safety locking helps prevent doors from being opened accidentally, especially when small children are in the vehicle.

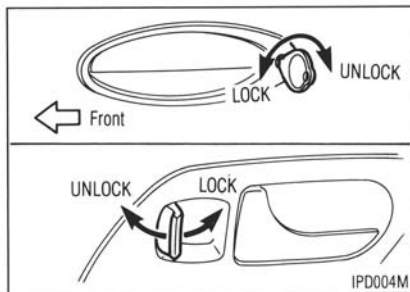
When the lever is in the lock position, the rear door can be opened only from the outside.



PRE-DRIVING CHECKS AND ADJUSTMENTS

POWER DOOR LOCK

The power door lock system allows you to lock or unlock all doors simultaneously.



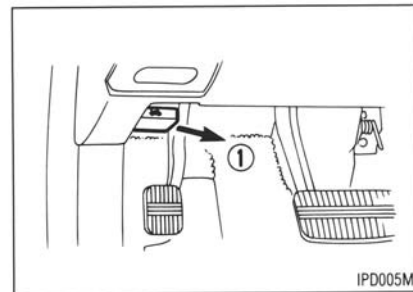
- Turning the front door key to the front of the vehicle will lock all doors.
- Turning the front door key one time to the rear of the vehicle will unlock the door, then releasing the key and turning it to the rear again will unlock all doors.

- Pushing the front door lock knob in will lock all doors.



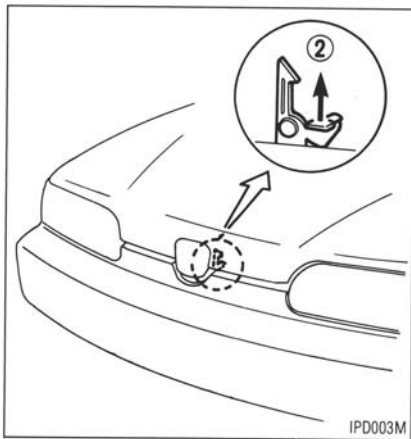
- Operating the lock-unlock switch will lock or unlock all doors.

HOOD RELEASE



1. Pull the hood lock release handle ① located below the instrument panel; the hood will then spring up slightly.

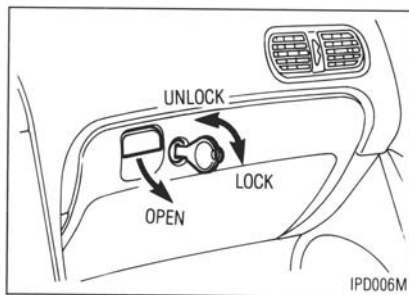
PRE-DRIVING CHECKS AND ADJUSTMENTS



2. Pull the lever ② at the front of the hood with your fingertips and raise the hood.
3. When closing the hood, slowly close the hood and make sure it locks into place.

GLOVE BOX LOCK

When locking or unlocking the glove box, use the master key.



The glove box may be opened by pulling up on the handle.

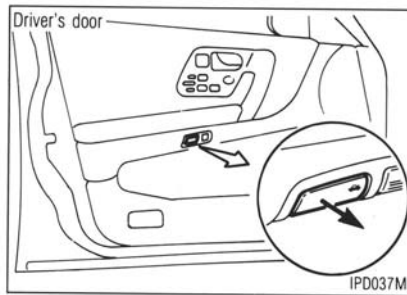
WARNING:

Keep glove box lid closed while driving to prevent injury in an accident or a sudden stop.

TRUNK LID

Trunk lid release switch operation

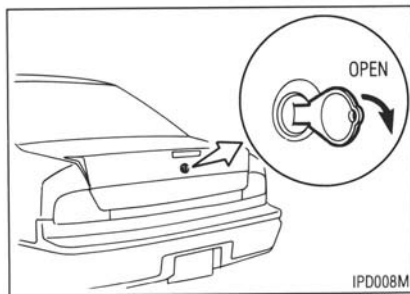
The trunk lid release switch is located on the lower side of the driver's arm rest.



To open the trunk lid, pull the release switch. To close, push the trunk lid down securely.

PRE-DRIVING CHECKS AND ADJUSTMENTS

Key operation

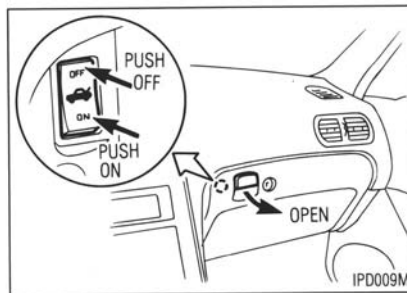


To open the trunk lid, turn the key clockwise.
To close, remove the key and push the trunk lid down securely.

WARNING:

***Do not drive with the trunk lid open.
This could allow dangerous exhaust
gases to be drawn into the vehicle.***

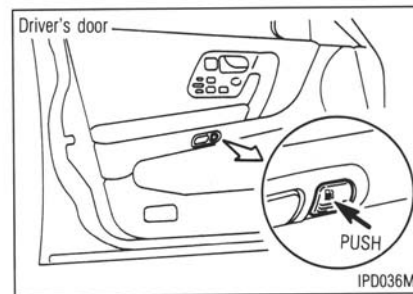
OPENER CANCEL SWITCH FOR TRUNK LID



When the cancel switch is "OFF", the trunk lid cannot be opened with the trunk lid release switch. It can be opened only with the key.

FUEL FILLER LID

Opener switch

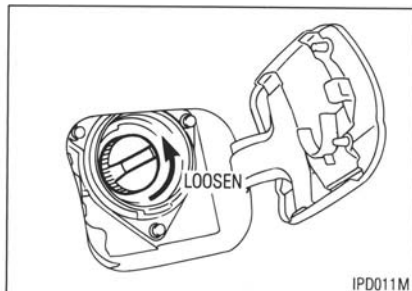


To open the fuel filler lid, push the opener switch, located on the lower side of the driver side arm rest. To lock, close the fuel filler lid securely.

PRE-DRIVING CHECKS AND ADJUSTMENTS

FUEL FILLER CAP

The fuel filler cap is a screw-on ratcheting type. Tighten the cap clockwise until ratcheting clicks are heard.



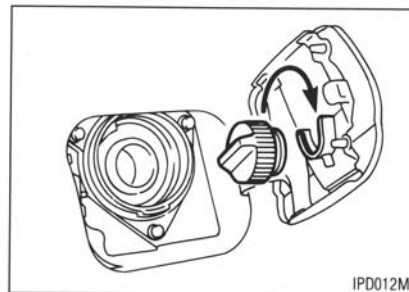
CAUTION:

- *Gasoline is extremely flammable and highly explosive under certain conditions. Always stop engine and do not smoke or allow open flames*

or sparks near the vehicle when refueling.

- *Fuel may be under pressure. Remove cap slowly to prevent fuel from spraying out and possible personal injury.*
- *Use only a genuine fuel filler cap as a replacement. It has a built-in safety valve needed for proper operation of the fuel system and emission control system. An incorrect cap can result in a serious malfunction and possible injury.*

FUEL FILLER CAP HOLDER



Put the fuel filler cap on the cap holder while refueling.

PRE-DRIVING CHECKS AND ADJUSTMENTS

SUPPLEMENTAL RESTRAINT SYSTEM

The information written in this Supplemental Restraint System section contains important points concerning the air bag system. The Supplemental Restraint System Air Bag helps reduce impact force to the driver in certain frontal collisions. The air bag is designed to **supplement** the accident protection provided by the driver's seat belt and is **not a substitute** for the three-point seat belt system. The seat belt should be correctly worn and the driver seated a suitable distance from the steering wheel.

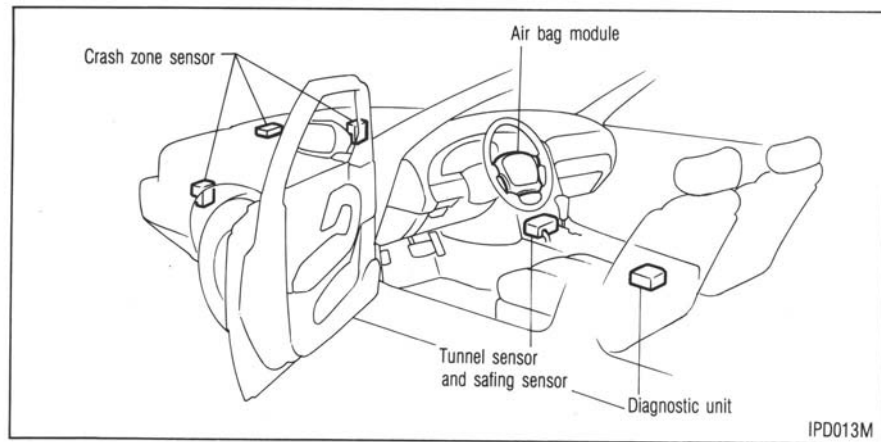
The air bag will operate only when the ignition switch is in the "ON" or "START" position.

WARNING:

The seat belts are designed to help

reduce the risk or severity of injury in various kinds of accidents and should be worn by all occupants of the vehicle. The seat belt must be worn, as the air bag only assists in reducing the impact force in a frontal collision. (See "Seat belts".)

PRE-DRIVING CHECKS AND ADJUSTMENTS



Air bag system

The air bag is located in the center of the steering wheel and will deploy in a moderate to severe frontal collision. The air bag will not usually deploy in the event of a side impact, rear impact or a roll-over accident. There are no air bags for the passenger seat. When the air bag

system receives a signal from the crash zone sensors, a fairly loud deploying noise will be heard, followed by release of smoke. This smoke is not injurious and does not indicate a fire. The air bag, along with the use of a seat belt, helps to cushion the impact force on the driver's face and chest. The seat belt should be correctly worn and the driver seated a suitable

distance from the steering wheel. Since the air bag deploys quickly in order to protect the driver, the force of the air bag deploying can increase the risk of injury if the driver is too close to or is against the steering wheel during deployment. The air bag will deflate quickly after the collision is over.

The air bag will operate only when the ignition switch is in the "ON" or "START" position.

The air bag system consists of 5 sensors, an air bag module inside the steering wheel pad and a diagnostic unit which sends electrical signals to the air bag module. The 5 sensors are as follows:

1. Right crash zone sensor
2. Center crash zone sensor
3. Left crash zone sensor
4. Tunnel sensor

PRE-DRIVING CHECKS AND ADJUSTMENTS

5. Safing sensor

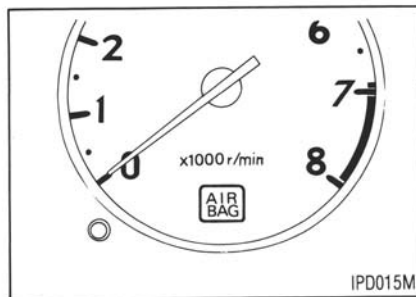
In a moderate to severe frontal impact, the sensors and a diagnostic unit will trigger the deployment of the air bag.

WARNING:

No unauthorized changes are to be made to any components or wiring of the air bag system. This is to prevent accidental deployment of the air bag or damage to the air bag operation. Tampering with the air bag system may result in serious personal injury. This includes changes to or replacement of the steering wheel, placing material over the steering wheel pad, or installing additional trim material around the air bag system. Objects attached to the steering wheel pad may become dangerous projectiles and cause injury if the air bag deploys. Work around and

on the air bag system should be done by an authorized INFINITI dealer. Installation of electrical equipment should also be done by an authorized INFINITI dealer. Unauthorized electrical test equipment and probing devices must not be used on the air bag system.

AIR BAG WARNING LIGHT



The air bag light, displaying "AIR BAG" in the instrument panel, monitors the circuits of the air bag. The circuits monitored by the air bag light are the 3 crash zone sensors, tunnel sensor, safing sensor and all related wiring.

When the ignition key is in the "ON" or "START" position, the air bag light will illuminate for about 7 seconds and then turn off. This means the system is operational.

If any of the following conditions occur, the air bag needs servicing and must be taken to your nearest authorized INFINITI dealer.

1. The air bag light does not come on for 7 seconds and then go off as described above.
2. The air bag light flashes intermittently or remains on.
3. The air bag light does not come on at all.

Under these conditions, the Supplemental Restraint System Air Bag will not operate properly.

PRE-DRIVING CHECKS AND ADJUSTMENTS

It must be checked and repaired.

Repair and replacement procedure

The air bag system is designed to inflate on a one-time-only basis. Unless it is damaged, the air bag light will remain illuminated after deployment has occurred. Repair and replacement of the air bag system must be done only by an authorized INFINITI dealer. To ensure long-term functioning, the system should be inspected 10 years after the date of manufacture as noted on the certification label located on the driver side center pillar.

When maintenance work is required on the vehicle, the air bag system and related parts should be pointed out to the person conducting the maintenance. The ignition key must always be in the "LOCK" position when working under the hood or inside the vehicle.

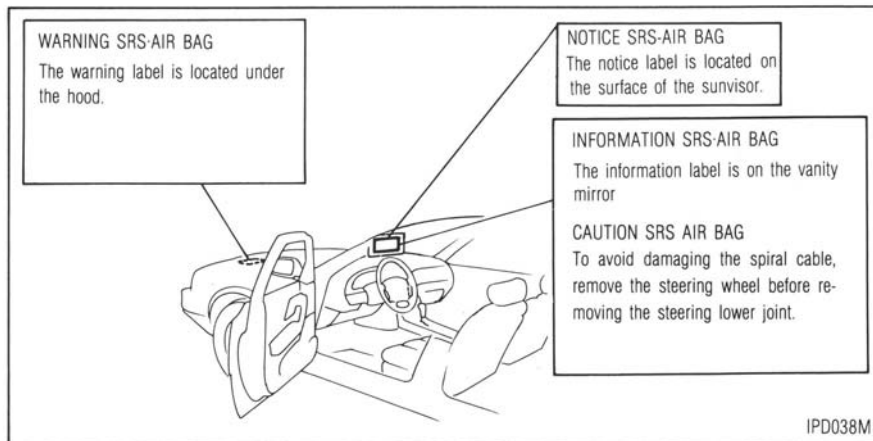
WARNING:

- ***Once the air bag is deployed, the air bag module will not function again and must be replaced. The air bag module cannot be repaired.***
- ***The air bag system must be serviced by an authorized INFINITI dealer if there is any damage made to the front end portion of the vehicle or if the air bag has deployed.***
- ***When selling your vehicle, we request you inform the buyer about the air bag system and guide the buyer to the appropriate sections in this Owner's Manual.***
- ***If you need to dispose of the air bag or scrap the vehicle, contact an authorized INFINITI dealer. Correct***

air bag disposal procedures are set forth in the appropriate INFINITI Service Manual. Incorrect disposal procedures could cause personal injury.

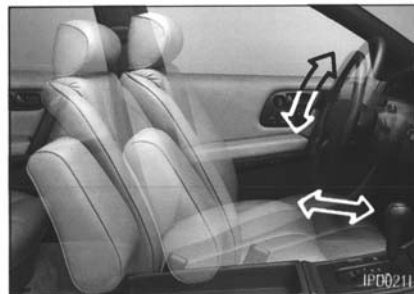
PRE-DRIVING CHECKS AND ADJUSTMENTS

INFORMATION AND WARNING LABELS



Information and warning labels about the air bag system are placed in the vehicle.

AUTOMATIC DRIVE POSITIONER



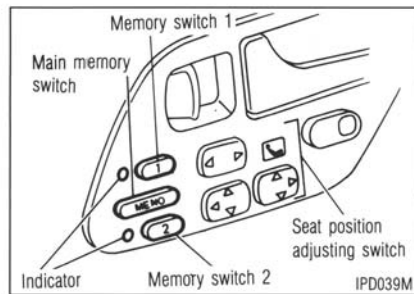
This system is designed so that the driver's seat and steering column will automatically move when the driver removes the key from the ignition switch, opens the driver's door with the key turned to "LOCK" or "OFF" or turns the key from "ACC" to "OFF" with the door open. The seat will slide backwards and the steering wheel will jump up.

PRE-DRIVING CHECKS AND ADJUSTMENTS

When one of the following conditions is met, the seat and steering wheel will return to their original positions. "When the key is inserted", "When the door is closed with the key turned to "LOCK" or "OFF", "When the key is turned from "ACC" to "ON".

Procedure for storing memory

Two positions can be stored in the automatic drive positioner memory. Follow these procedures to use the memory system.



- Adjust the driver's seat and steering column to the desired positions by manually operating the adjust switches. (See "SEATS" and "TILTING STEERING COLUMN" in "PRE-DRIVING CHECKS AND ADJUSTMENTS".)
- Turn the ignition "ON" and push the main memory switch. If the main memory has not been stored, the indicator light will come on for approximately 0.5 seconds. When the memory has been stored the position the indicator light will stay on for approximately 5 seconds.
- Within 5 seconds after pushing the main memory switch, the main memory switch (1 or 2) you wish to use should be pushed. The indicator light for the pushed memory switch will stay on for approximately 5 seconds after pushing the switch.
- To revise the positioner memory, perform the above procedure after moving the seat

and steering column to the new desired positions by manually operating the adjust switches. The indicator light will come on for approximately 5 seconds after pushing memory switch 1 or 2.

- If the battery cable is disconnected, or if the fuse blows, the memory will be canceled. In such a case, reset the desired positions.

Selecting the memorized position

- When the ignition is "ON" and memory switch 1 or 2 is pushed, the driver's seat and steering column will move to the memorized position.
- When memory switch 1 or 2 is pushed with the driver's door open and then the key inserted into the ignition switch within approximately 1 minute, the driver's seat and steering column will move to the memorized position.

PRE-DRIVING CHECKS AND ADJUSTMENTS

- When memory switch 1 or 2 is pushed within approximately 1 minute after the driver's door is closed and then the key inserted into the ignition switch within approximately 1 minute after the memory switch is pushed, the driver's seat and steering column will move to the memorized position.
- When memory switch 1 or 2 is pushed with the driver's door open and the key inserted into the ignition switch, closing the door within approximately 1 minute will move the driver's seat and steering column to the memorized position.

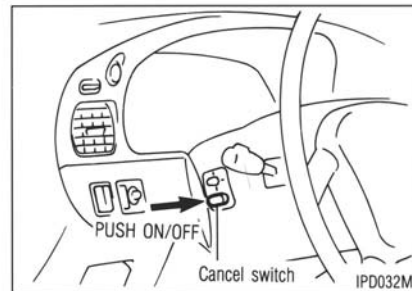
The automatic drive positioner system will not work or will stop operating under the following conditions.

- When the vehicle speed is above 4 MPH (7 km/h).
- When any two or more of the memory

switches are simultaneously pressed while the automatic drive positioner is operating.

- When the adjusting switch for the driver's seat or steering column is turned on while the automatic drive positioner is operating.
- When the cancel switch is turned on.

Cancel switch



- When the cancel switch located on the steering column is pushed in so it is in the ON position ().

The cancel switch is off when it is out ().

- When the switch is turned on, the automatic drive positioner system will be canceled.

When the switch is turned off, the system will function.

PRE-DRIVING CHECKS AND ADJUSTMENTS

SEATS

POWER SUPPORT SEAT

WARNING:

- ***Do not adjust the driver's seat while driving.***
- ***Never recline the seat back any more than needed for comfort when the vehicle is moving. The seat belts are most effective when the rider is sitting well back and straight up in the seat.***
- ***Do not leave children unattended inside the vehicle. They may inadvertently activate switches.***

Operating tips

- The power seat motor has an auto-reset

overload protection circuit. If the motor stops during operation, wait 30 seconds, then reactivate the switch.

- Do not operate the power support seat for a long period of time when the engine is off. This will discharge the battery.

Fore-and-aft



Pressing the right end portion of the RH switch will slide the seat forward to the desired position, and pressing the left end portion of the

LH switch will slide the seat backward.

Reclining



Press the rear side of the switch to move the seat to the desired position. To move the seat back forward again, press the front side of the switch and move your body forward. The seat back will move forward.

PRE-DRIVING CHECKS AND ADJUSTMENTS

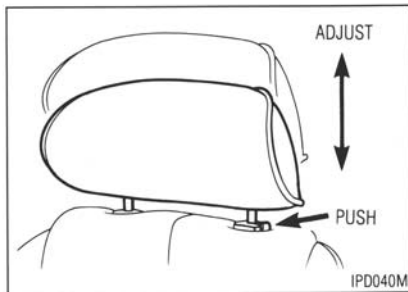
Seat lifter



Press the upper or lower side of the switch to adjust the seat to the desired angle and height.

HEAD RESTRAINTS

Adjust the top of the head restraints level with the top of your ears.

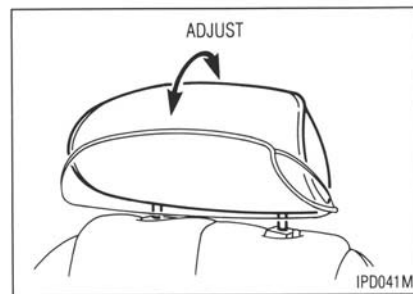


To raise the head restraint, just pull it up. To lower, push the lock knob and push the head restraint down.

WARNING:

Head restraints should be adjusted properly as they may provide signifi-

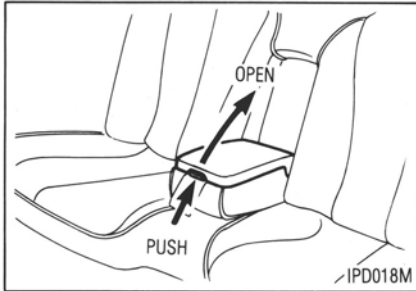
cant protection against whiplash injury. Do not remove them.



To adjust the head restraint, push it forward or rearward as shown.

PRE-DRIVING CHECKS AND ADJUSTMENTS

ACCESSORY BOX



SEAT BELTS

PRECAUTIONS ON SEAT BELT USAGE

Your chances of being injured in an accident and/or the severity of injury may be greatly reduced if you are wearing your seat belt and it is properly adjusted. INFINITI strongly encourages you and all of your passengers to buckle up every time you drive.

Some states, provinces or territories require that seat belts be worn at all times when a vehicle is being driven.

WARNING:

- *The belt should be adjusted to a snug fit. Slack in the lap-shoulder belt will reduce the effectiveness of the entire restraint system.*
- *Never wear the belt inside out or twisted.*

- *Do not allow more than one person to use the same belt.*
- *All seat belt assemblies including retractors and attaching hardware should be inspected after any collision at your INFINITI dealer. INFINITI recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Seat belt assemblies not in use during a collision should also be inspected and replaced if either damage or improper operation is noted.*

Be sure to observe the following cautions when using seat belts. Failure to do so could increase the chance and/or severity of injury in an accident.

PRE-DRIVING CHECKS AND ADJUSTMENTS

- ***Always pass the shoulder belt over your shoulder and across your chest. Never run the belt under your arm. Serious injury can occur if seat belt is not worn properly.***
- ***Position the lap belt as low as possible AROUND THE HIPS, NOT THE WAIST.***

Infant or small child

INFINITI recommends that infants or small children be seated in a child restraint system. You may choose any child restraint system which fits your vehicle, but always follow the manufacturer's instructions for installation and use.

Children

Children who are too large for child restraint systems should be seated and restrained by the seat belts which are provided.

INFINITI recommends that children sit in the rear seat if possible. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.

If the child's seating position has a shoulder belt that fits close to the face or neck, the use of a booster seat (commercially available) may help overcome this. The booster seat should raise the child so that the shoulder belt is properly positioned across the top, middle portion of the shoulder and the lap belt is low on the hips. The booster seat should fit the vehicle seat and have a label certifying that it complies with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. Once the child has grown so the

shoulder belt is no longer on or near the face and neck, use the shoulder belt without the booster seat.

Never let a child stand or kneel on any seat and do not allow a child in the cargo areas while the vehicle is moving.

Pregnant women

INFINITI recommends that pregnant women use seat belts. Contact your doctor for specific recommendations. The lap belt should be worn snug and positioned as low as possible around the hips, not the waist.

Injured persons

INFINITI recommends that injured persons use seat belts, depending on the injury. Check with your doctor for specific recommendations.

PRE-DRIVING CHECKS AND ADJUSTMENTS

3-POINT TYPE WITH RETRACTOR

Every person who drives or rides in this vehicle should wear a seat belt at all times.

Fastening the belts



1. Adjust the seat.

The seatback should not be in a reclining position any more than needed for comfort. Seat belts are most effective when the passenger sits well back and straight up in the seat.

2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until it snaps.



The retractor is designed to lock during a

PRE-DRIVING CHECKS AND ADJUSTMENTS

sudden stop or on impact. A slow pulling motion will permit the belt to move, and allow you some freedom of movement in the seat.



3. Position the lap belt portion **low on the hips** as shown.
4. Pull the shoulder belt portion toward the retractor to take up extra slack.

Unfastening the belts

To unfasten the belt, press the button on the

buckle. The seat belt will automatically retract.

Checking seat belt operation (3-point type with retractor)

Your seat belt retractors are designed to lock belt movement by two separate methods:

- 1) When the belt is pulled quickly from the retractor.
- 2) When the vehicle slows down rapidly.

To increase your confidence in the belts, check the operation as follows:

- Grasp the shoulder belt and pull quickly forward. The retractor should lock and restrict further belt movement.

If the retractor does not lock during this check or if you have any question about belt operation, see your INFINITI dealer.

Shoulder belt height adjustment

The shoulder belt anchor height should be adjusted to the position best for you.



To adjust, push the release button, then move it to the desired position, so that the belt passes over the shoulder.

PRE-DRIVING CHECKS AND ADJUSTMENTS

2-POINT TYPE WITHOUT RETRACTOR

Fastening the belts



1. Insert the tongue into the buckle until it snaps.



2. To lengthen, hold the tongue at a right angle to the belt and pull on the belt.

PRE-DRIVING CHECKS AND ADJUSTMENTS



To shorten, pull the free end of the belt away from the tongue, then pull the belt clip to take up the slack.



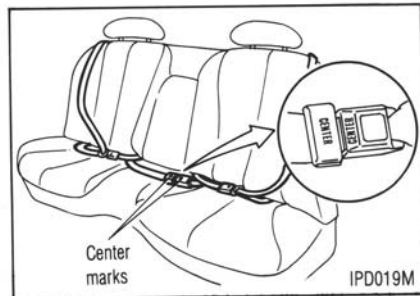
3. Position the lap belt **low on the hips** as shown.

Unfastening the belts

To unfasten the belt, press the button on the buckle.

Selecting correct set of belts

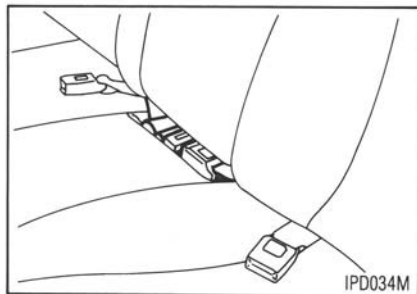
The center seat belt buckle and tongue are identified by the "CENTER" marks.



The center seat belt tongue can be fastened **only** into the center seat belt buckle.

PRE-DRIVING CHECKS AND ADJUSTMENTS

Rear seat belt buckles



Rear center seat belt buckles can be stored, if there are no people riding in the rear center seat.

SEAT BELT EXTENDERS

If, because of body size or driving position, it is not possible to properly fit the lap-shoulder belt and fasten it, an extender is available which is compatible with the installed seat belts. The extender adds approximately 8 inches (200

mm) of length and may be used for either the driver or front passenger seating position. See your INFINITI dealer for assistance if the extender is required.

WARNING:

- ***Only INFINITI belt extenders, made by the same company which made the original equipment belts, should be used with INFINITI belts.***
- ***Persons who can use the standard seat belt should not use an extender. Such unnecessary use could result in serious personal injury in the event of an accident.***

SEAT BELT MAINTENANCE

- **To clean the belt webbings**, apply a mild soap solution or any non-caustic solution

recommended for gently cleaning cloth upholstery or carpets. Then brush it, wipe with a cloth and allow it to dry in the shade. Do not allow the belts to retract until they are completely dry.

- **Periodically check to see that the belt and the metal components** such as buckles, tongues, retractors and anchors work properly. If loose parts, deterioration, cuts or other damage on the webbing is found, the entire belt assembly should be replaced.

CHILD RESTRAINT SYSTEMS FOR INFANTS AND SMALL CHILDREN

Infants and small children should **always** be placed in an infant or child restraint system while driving in the vehicle.

PRE-DRIVING CHECKS AND ADJUSTMENTS

WARNING:

Children and infants should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself. In general, child restraint systems are designed to be installed with a lap belt or the lap portion of a three-point type seat belt.

INFINITI recommends that the child restraint system be installed in the rear seat, unless the child is an infant and you are the only adult in the car. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.

An improperly installed child restraint could lead to serious injury in an accident.

Child restraint systems specially designed for infants and small children are offered by several manufacturers. Some systems may be used for both infants and small children. When selecting any child restraint system, keep the following points in mind:

- 1) Choose only a system with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Canadian Motor Vehicle Safety Standard 213.
- 2) Place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Always follow all recommended procedures.

- 3) Check the child restraint in your vehicle to be sure it is compatible with the vehicle's seat belt system.

WARNING:

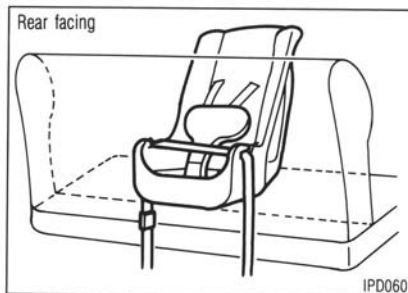
- ***Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will fit your child and vehicle as it may not be possible to properly install some types of child restraints in your vehicle. Improper use of a child restraint system can result in increased injuries for both the infant or child and other occupants in the vehicle.***
- ***For information concerning the approved installation of a Genuine Nissan Infant/Child Safety Seat on***

PRE-DRIVING CHECKS AND ADJUSTMENTS

the front or rear seats of this vehicle, contact your NISSAN dealer.

- *When your child restraint system is not in use, store it in the trunk or keep it secured with a seat belt to prevent it from being thrown forward in case of a sudden stop or accident.*
- *Remember that a child restraint left in a closed vehicle can become very hot. Check the seating surface and buckles before placing your child in the child restraint.*
- *All U.S. states and some provinces or territories require that infants and small children be restrained in approved child restraint systems at all times while the vehicle is being operated.*

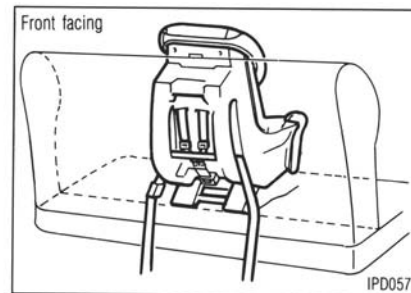
Installation on rear seat



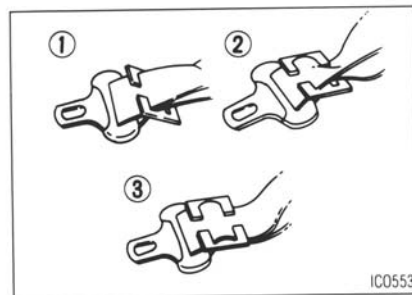
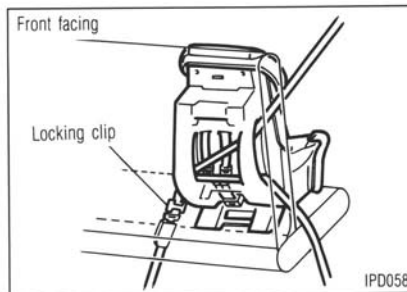
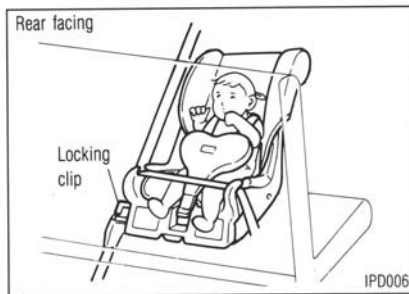
Center lap belt

Secure the child restraint with the lap belt as illustrated. Remove all slack in the lap belt for a very tight fit by pulling forcefully on the lap belt adjustment.

A locking clip may be used to prevent the lap belt from becoming loose on rear center installations.



PRE-DRIVING CHECKS AND ADJUSTMENTS



Outboard shoulder/lap belt

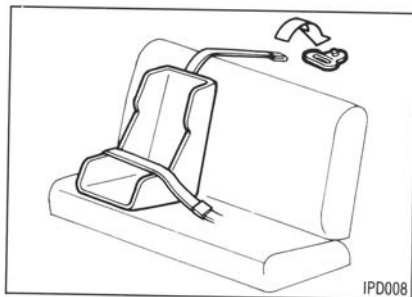
Before using the locking clip, read the instructions attached to the clip.

Secure the child restraint with the lap belt as illustrated. To prevent slack in the lap belt, it will be necessary to secure the lap/shoulder belt in place with a locking clip.

Use a genuine locking clip (part number H8010-89970, available from your INFINITI dealer), or one which is equivalent in dimensions and strength.

When your child restraint system is not in use, keep the locking clip in the glove box to prevent it from being lost.

PRE-DRIVING CHECKS AND ADJUSTMENTS



If your child restraint has a top strap, install the anchor bracket to the provided anchor point. Secure the child restraint with the outboard lap belt and latch the top strap hook onto the anchor bracket. To install the anchor bracket, a metric bolt of the dimensions listed below must be used.

Bolt diameter: 8.0 mm

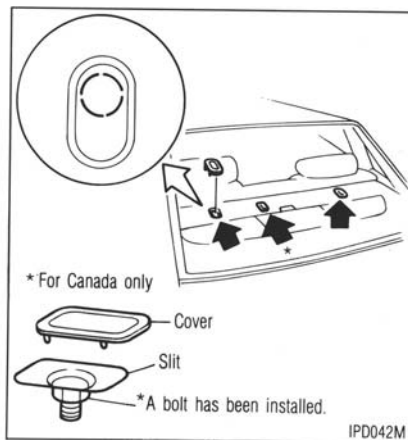
Bolt length: more than 1.18 in (30 mm)

Thread pitch: 1.25 mm

Child restraint anchor points are designed

to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.

Anchor point locations



Anchor points are located under the rear parcel

shelf finisher. Remove the required hole plugs then cut along the slit circles of the rear parcel shelf finisher with a knife.

For Canada

When the center anchorage position is used, first remove the existing bolt. Do not use this bolt to anchor the child restraint. Install the child restraint using the correct bolt supplied with the child restraint.

When the child restraint is removed always reinstall either the original bolt or the child restraint bolt.

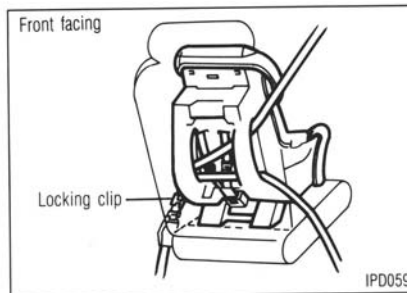
PRE-DRIVING CHECKS AND ADJUSTMENTS

Installation on front passenger seat

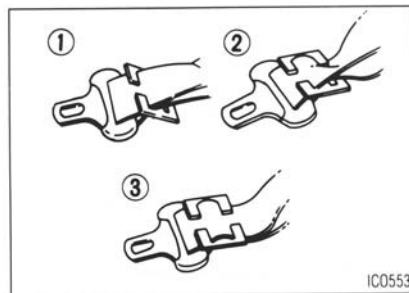


Before using the locking clip, read the instructions attached to the clip.

Slide the seat to its rearmost position.



Secure the child restraint with the lap belt as illustrated. To prevent slack in the lap belt, it will be necessary to secure the lap/shoulder belt in place with a locking clip. Slide the seat forward so that the seat belt fully tightens the child restraint.



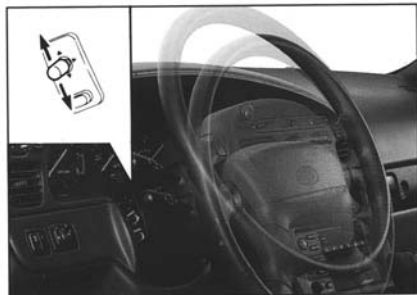
Use a genuine locking clip (part number H8010-89970, available from your INFINITI dealer), or one which is equivalent in dimensions and strength.

When your child restraint system is not in use, keep the locking clip in the glove box to prevent it from being lost.

PRE-DRIVING CHECKS AND ADJUSTMENTS

TILTING STEERING COLUMN

Tilt operation



Push lever to adjust the steering wheel up or down to the desired position.

When the steering column is at the upper extent of its adjustment, pushing the manual switch upward will not move the steering column further. After releasing the switch, the steering

wheel may lower slightly. This is not a malfunction.

Jump up operation

The automatic drive positioner system will make the steering wheel jump up automatically. This lets the driver get into and out of the seat more easily.

WARNING:

Do not adjust the steering wheel while driving.

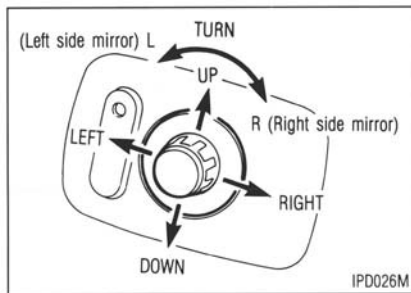
TELESCOPIC STEERING COLUMN



Push the lever to adjust the steering wheel forward or backward to the desired position.

PRE-DRIVING CHECKS AND ADJUSTMENTS

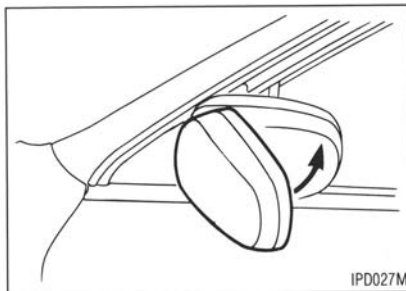
OUTSIDE MIRRORS REMOTE CONTROL



Select the left or right mirror switch. Then adjust the direction of the mirror.

Objects viewed in the outside mirror on the passenger side are closer than they appear.

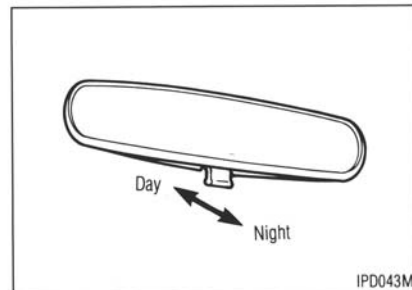
FOLDABLE OUTSIDE MIRRORS



Push the outside mirror backward to fold it.

INSIDE MIRROR

The night position will reduce glare from the headlights of vehicles behind you at night.

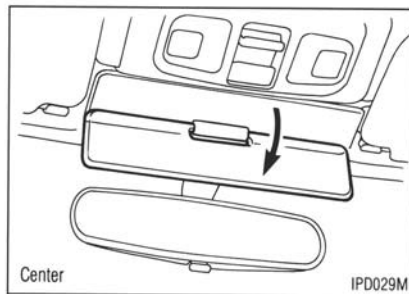
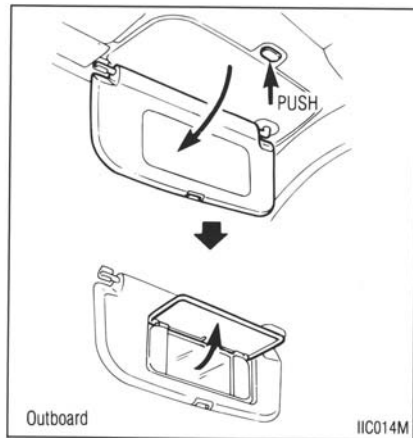


CAUTION:

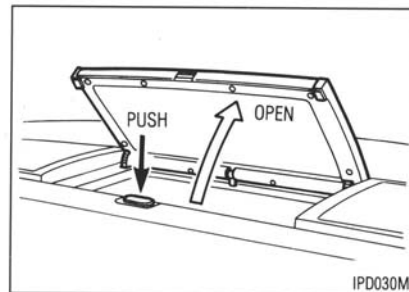
Use the night position only when necessary, because it reduces rear view clarity.

PRE-DRIVING CHECKS AND ADJUSTMENTS

VANITY MIRROR (Sun visor)



PARCEL SHELF BOX



The rear parcel shelf box is located behind the rear seat.

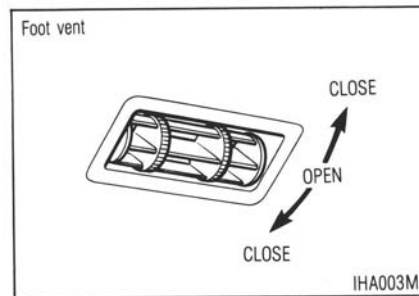
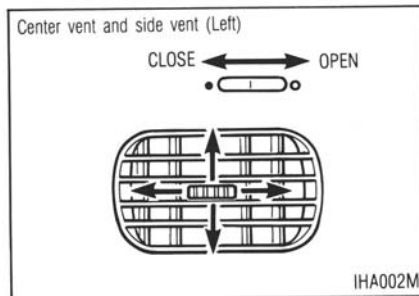
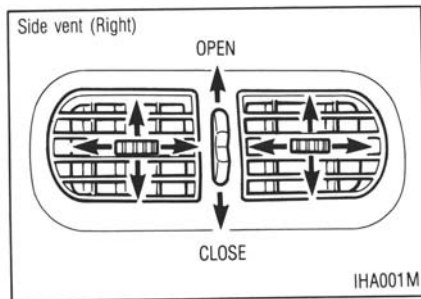
3 HEATER, AIR CONDITIONER AND AUDIO SYSTEM

Ventilator	3-2	AM-FM radio tuner with cassette player	
Automatic air conditioner	3-3	(Active speaker system).....	3-9
Radio	3-6	AM-FM radio with cassette player	
AM-FM radio with cassette player		(Bose audio system or active speaker	
(Bose audio system).....	3-8	system)	3-10
		Car phone or CB radio	3-15

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

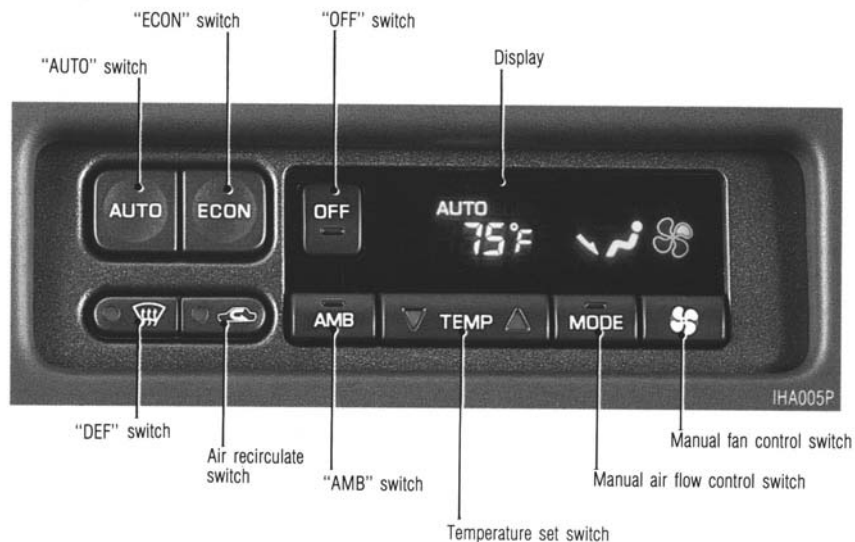
VENTILATOR

Open or close, and adjust the air flow direction of ventilators.



HEATER, AIR CONDITIONER AND AUDIO SYSTEM

AUTOMATIC AIR CONDITIONER



HEATER, AIR CONDITIONER AND AUDIO SYSTEM

Start the engine and operate the controls to activate the air conditioner.

The air conditioner cooling function operates only when the engine is running.

Cooling and/or dehumidified heating (Auto mode)

This mode may be normally used all year round as the system automatically works to keep a constant temperature. Air flow distribution and fan speed are also controlled automatically.

1. Push the AUTO switch on. ("AUTO" will be displayed.)
 2. Push the temperature set switch  to set the desired temperature.
- Adjust the temperature set switch to about 75°F (24°C) for normal operation.
 - The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also

controlled automatically.

Heating (ECON mode)

The air conditioning does not activate. When you need to heat only, use this mode.

1. Push the ECON (ECONOMY) switch on. ("ECON" will be displayed.)
 2. Push the temperature set switch  to set the desired temperature.
- The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.
 - Do not set the temperature lower than the outside air temperature. Otherwise the system may not work properly.
 - Air will flow from the center and side ventilators, foot outlets and DEF outlet.
 - Not recommended if windows fog up.

Dehumidified defogging

1. Push the DEF  switch on. (The indicator light on the switch will come on.)
 2. Push the temperature set switch  to set the desired temperature.
- To quickly remove ice or fog from the outside of the windows, push the manual fan control switch  and set to the maximum position .
 - As soon as possible after the windshield is clean, push the AUTO switch to return to the auto mode.
 - When the DEF  switch is pushed, the air conditioner will automatically be turned on at outside temperatures above 35°F (2°C) to defog the windshield, and the air recirculate mode will automatically be turned off.

Outside air is drawn into the passenger

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

compartment to improve the defogging performance.

Manual fan speed control

Push the fan control switch  to manually control the fan speed.

- Push the AUTO switch to return to automatic control of the fan speed.

Air recirculate switch

Push the air recirculate switch  to recirculate interior air inside the vehicle. The indicator light on the switch will come on.

Push it again to draw outside air into the passenger compartment. The indicator will go out.

- The air recirculate switch will not be activated when the air conditioner is in DEF mode.
- The switch will be automatically turned off 10 minutes after it is pushed on.

Manual air flow control switch "MODE"

Pushing the manual air flow control switch selects the air outlet to:

 : Air flows from center and side ventilators.

 : Air flows from center and side ventilators and foot outlets.

 : Air flows mainly from foot outlets.

To turn system off

Push the OFF switch.

Ambient temperature switch "AMB"

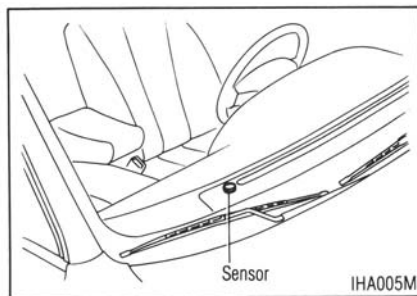
Push the ambient temperature switch. The outside ambient temperature will be displayed for approximately five seconds.

Operating tips

- When the engine coolant temperature and outside air temperature are low, the air flow from the foot outlets may not operate for about 150 seconds. However, this is not a malfunction. After the coolant temperature warms up, the air flow from the foot outlets will operate normally.

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

Temperature sensor



The sensor on the instrument panel helps maintain a constant temperature. Do not put anything on or around this sensor.

Air conditioner service

The release of air conditioning refrigerant into the atmosphere can cause damage to the environment. In the event that you must have your air conditioning system serviced, it is important to select a repair facility that captures

the refrigerant in a recycling system, so that no refrigerant is released into the atmosphere.

RADIO

Turn the ignition key to "ACC" or "ON" and press the TUNER ON button to turn on the radio. If you listen to the radio with the engine not running, the key should be turned to the "ACC" position.

Radio reception is affected by station signal strength, distance from radio transmitter, buildings, bridges, mountains and other external influences. Intermittent changes in reception quality normally are caused by these external influences.

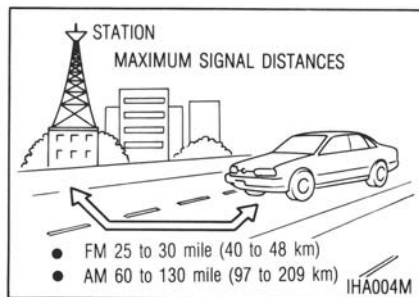
RADIO RECEPTION

Your INFINITI radio system is equipped with state-of-the-art electronic circuits to enhance radio reception. These circuits are designed to extend reception range, and to enhance the quality of that reception.

However there are some general characteristics of both FM and AM radio signals that can affect radio reception quality in a moving vehicle, even when the finest equipment is used. These characteristics are completely normal in a given reception area, and do not indicate any malfunction in your INFINITI radio system.

Remember that a moving vehicle is not the ideal place to listen to a radio. Because of the movement reception conditions will constantly change. Buildings, terrain, signal distance and interference from other vehicles can work against ideal reception. Described below are some of the factors that can affect your radio reception.

HEATER, AIR CONDITIONER AND AUDIO SYSTEM



FM RADIO RECEPTION

Range: FM range is normally limited to 25 to 30 miles (40 to 48 km), with monaural (single channel) FM having slightly more range than stereo FM. External influences may sometimes interfere with FM station reception even if the FM station is within 25 miles (40 km). The strength of the FM signal is directly related to the distance between the transmitter and receiver. FM signals follow a line-of-sight path, exhibiting many of the same characteristics as

light. For example they will reflect off objects.

Fade: As your vehicle moves away from a station transmitter, the signals will tend to fade.

Static and flutter: During signal interference from buildings, large hills or due to antenna position, usually in conjunction with increased distance from the station transmitter, static or flutter can be heard. This can be reduced by adjusting the TREBLE control counterclockwise to reduce treble response.

Multipath reception: Because of the reflective characteristics of FM signals, direct and reflected signals reach the receiver at the same time. The signals may cancel each other, resulting in momentary flutter or loss of sound.

AM RADIO RECEPTION

AM signals, because of their low frequency, can "bend" around objects and skip along the ground. In addition, the signals can be bounced off the ionosphere and bent back to earth.

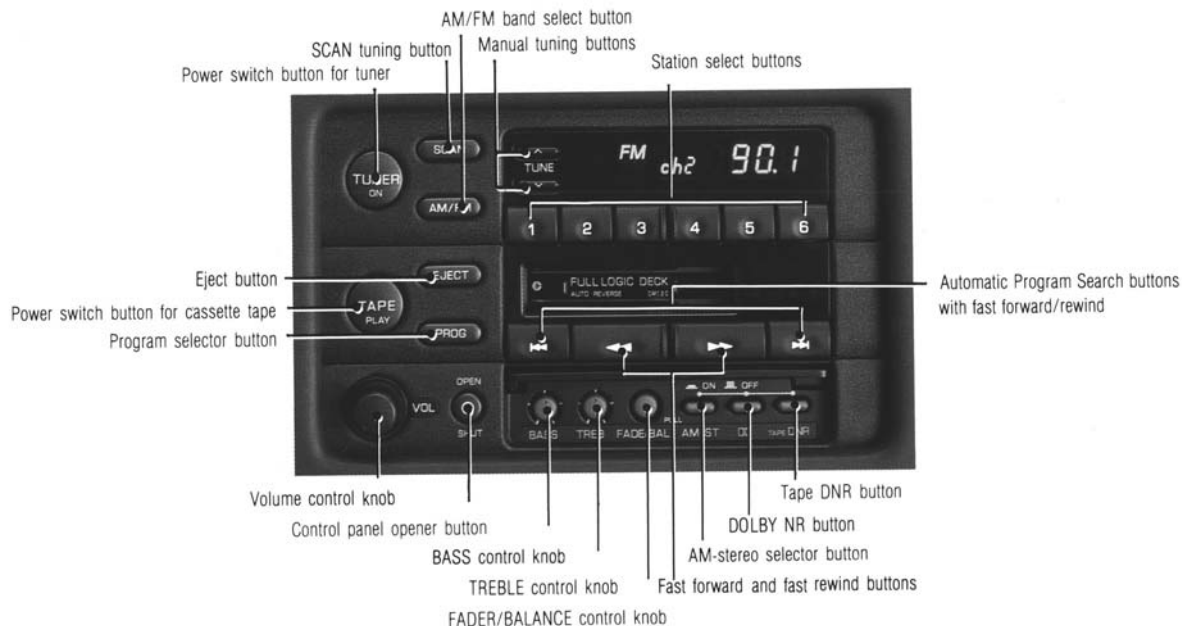
Because of these characteristics. AM signals are also subject to interference as they travel from transmitter to receiver.

Fading: Occurs while the vehicle is passing through freeway underpasses or in areas with many tall buildings. It can also occur for several seconds during ionospheric turbulence even in areas where no obstacles exist.

Static: Caused by thunderstorms, electrical power lines, electric signs and even traffic lights.

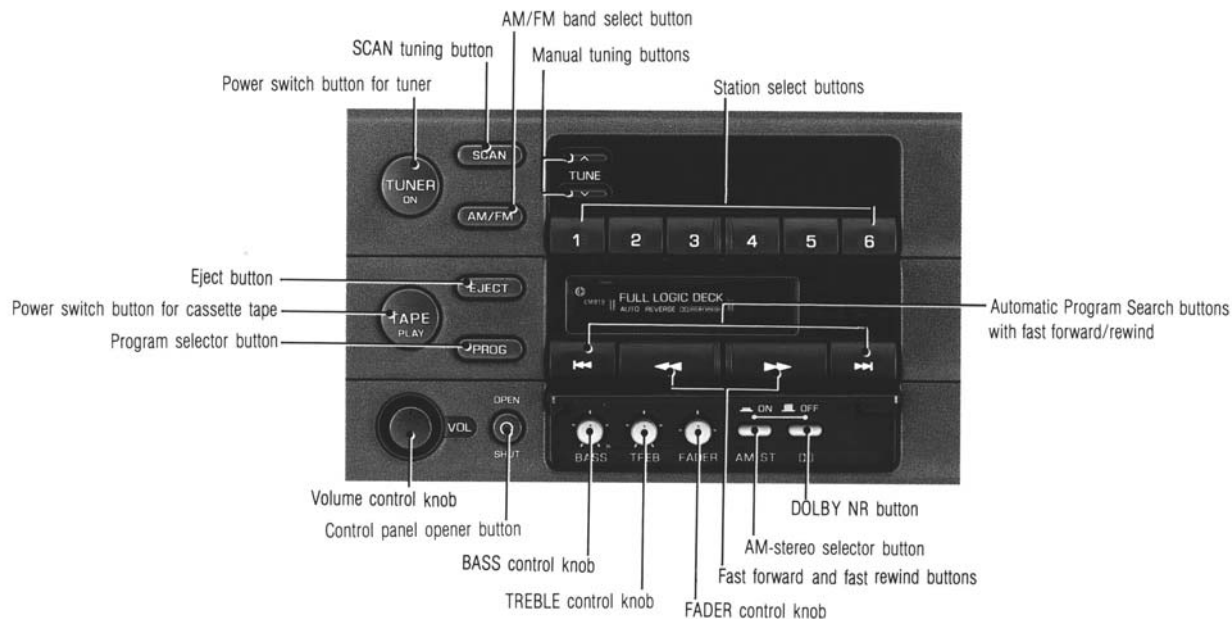
HEATER, AIR CONDITIONER AND AUDIO SYSTEM

AM-FM RADIO WITH CASSETTE PLAYER (Bose audio system)



HEATER, AIR CONDITIONER AND AUDIO SYSTEM

AM-FM RADIO WITH CASSETTE PLAYER (Active speaker system)



IHA008P

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

AM-FM RADIO WITH CASSETTE PLAYER (Bose audio system or active speaker system)

Head unit

The electronic tuning radio has an FM Diversity reception system, which employs two antennas: One is a rod type antenna; the other is on the rear window.

This system automatically switches to the antenna which is receiving less noise.

(Bose audio system)

In this system, noise is further reduced through the use of the Dynamic Noise Reduction (DNR) system, which adds to the high quality reception.

The tape deck employs an amorphous head which allows for improved reproduction of high frequency ranges. Noise is also greatly reduced

by the combined use of the Dolby noise reduction system. The auto loudness circuit enhances the low frequency range automatically in both radio reception and tape playback.

Bose speaker

A large output amplifier featuring a low distortion ratio is connected directly to each speaker unit and provides increased output and excellent tonal quality. The equalizing circuit and reverberating speaker box permit regeneration of forcible bass sound. This equalizing circuit permits the sound efficiency to be matched with the interior conditions of your INFINITI for a selection between "natural sound" and "high-fidelity sound."

(Active speaker system)

The active speaker creates clear sound ranging from small volume to large volume. The equalizing circuit compensates for disturbances in the medium and high frequency ranges based

on the acoustics of the passenger compartment. The auto loudness circuit eliminates insufficient power in the low frequency range when the volume is low.

(Bose audio system and active speaker system)

Radio operation

Push the TUNER ON button to listen to the radio and tune in the desired station.

Pushing the TUNER ON button while the cassette tape is playing will turn off the cassette player and turn on the radio.

Push then **turn** the VOL control knob to adjust the volume.

Selecting the desired band

Push the AM/FM band selector button to change from AM to FM reception.

The FM stereo indicator "ST" will glow during

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

FM stereo reception. When the stereo broadcast signal is weak, the radio will automatically change from stereo to monaural reception.

Push the AM stereo selector button located in the control panel for AM stereo reception.

Tuning

Manual tuning

Push either manual tuning button , or .

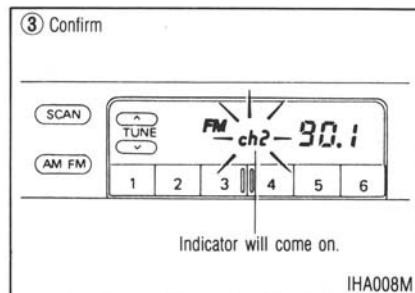
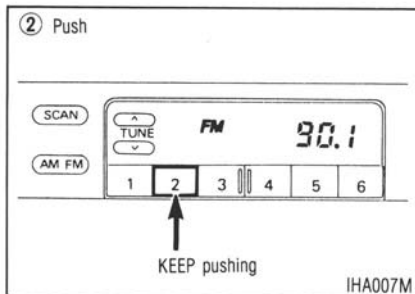
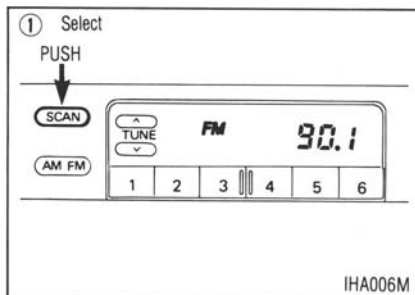
SCAN tuning

Push the SCAN tuning button . SCAN tuning begins from low to high frequencies and stops at each broadcasting station for five seconds. Pushing the button again during this five second period will stop SCAN tuning and the radio will remain tuned to that station.

Station memory operations

Six stations can be set for each band.

1. Select the desired station.

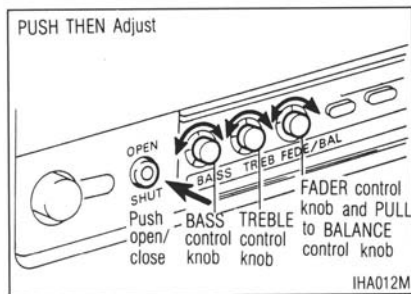


2. When a station select button is pushed for more than two seconds, the station's sound will be interrupted. When the sound returns, the desired station is stored in the memory and the channel corresponding with the select number is displayed.
3. Other buttons can be set in the same manner.

If the battery cable is disconnected, or if the fuse blows, the radio memory will be canceled. In such a case, reset the desired stations.

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

Adjusting speaker sound balance



Push the control panel opener button and the door will automatically open. Then push the FADER control knob and turn the FADER control knob to adjust the volume between the front and rear speakers.

Pull then turn the BALANCE (BAL) control knob to adjust the volume between the right and left speakers.

When closing the control panel door, make sure that all knobs are in their original positions. If any of the knobs are pulled out, the door will not shut properly.

Adjusting tone quality

Push then turn the BASS and TREBLE control knob to obtain the most pleasant sound.

DNR (Dynamic Noise Reduction) (Bose audio system)

DNR is automatically operated when the radio is turned on. It reduces high frequency background hiss. DNR™ is a trade mark of National Semiconductor Corporation.

Cassette tape operation

Turn the ignition key to "ACC" or "ON", then lightly insert the cassette tape into the tape door.

The cassette tape will be automatically pulled into the player.

The radio will turn off and the cassette tape will begin to play.

Do not force the cassette tape into the tape door.

Pressing strongly could cause player damage.

The cassette tape will automatically change directions to play the other side when the first side is completed.

Precautions on cassette player operation

- To maintain good quality sound,

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

INFINITI recommends that you use cassette tapes of 60 minutes or shorter in length.

- **Cassette tapes should be removed from the player when not in use. Store cassettes in their protective cases and away from direct sunlight, heat, moisture and magnetic sources.**

Direct sunlight can cause the cassette to become deformed. The use of deformed cassettes may cause the cassette to jam in the player.

- **Do not use cassettes that have peeling or loose labels. If used, the label could jam in the player.**
- **If a cassette has loose tape, insert a pencil through one of the cassette hubs and rewind the tape firmly around the hubs. Loose tape may cause tape jamming and wavering sound quality.**

- **Over a period of time, the playback head, capstan and pinch roller may gather a tape coating residue as the tape passes over the head. This residue accumulation can cause a weak or wavering sound and should be removed periodically with a head cleaning tape. If the residue is not removed periodically, the player may need to be disassembled for cleaning. INFINITI offers a NISSAN Tape Deck Cleaning Kit. See your INFINITI dealer for details.**

PLAY button

You may push the PLAY button when:

- the tape has stopped playing,
- the tape has been fast forwarded,
- the tape has been rewound,
- the radio is on and a tape is in the player.

Fast forwarding or rewinding the tape

Push either the  or  button for the desired direction.

The indicator light on the display will come on.

Push either the  or  button while the cassette tape is playing. The tape will run quickly, and stop and play at the next program. The indicator light flashes "ON" and "OFF" while searching the program.

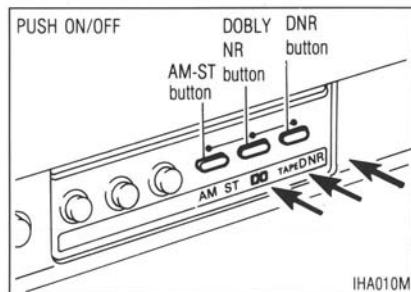
This system searches for the blank intervals between selections. If there is a blank interval within one program or there is no interval between programs, the system may not search correctly.

Changing the direction of tape play

Push the PROG (program) select button.

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

Dolby NR (noise reduction)



If your cassette tape is recorded under Dolby NR noise reduction, push the **DO** "DOLBY NR" button to reduce high frequency tape noise. The indicator will come on.

Dolby NR noise reduction is manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY NR" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

DNR (Dynamic Noise Reduction) (Bose audio system only)

Push the "DNR" button to reduce high frequency background hiss. It works on all kinds of tapes, so there is no need for encoded tapes.

INFINITI recommends that the "DNR" button be pushed while the cassette tape is playing.

DNR™ is a trademark of National Semiconductor Corporation.

Metal or chrome tape usage

The cassette player will be automatically set to high performance play when playing a metal or chrome cassette tape. The indicator will come on.

Stopping and ejecting the cassette tape

Push the eject button.

POWER ANTENNA

The antenna will automatically extend when the radio is turned on, and retract when it is switched off. If the radio is left on, the antenna will retract and extend with the ignition key "OFF-ON" operation.

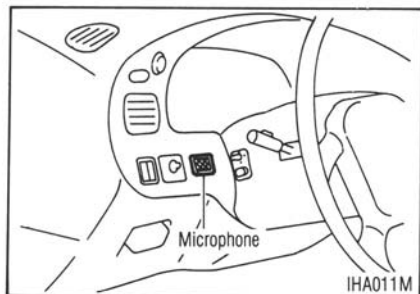
WARNING:

Before turning the radio on, make sure that no one is near the antenna outlet and there is enough space for it to extend.

To prevent damage, be sure that antenna is fully retracted before the vehicle enters an automatic car wash.

HEATER, AIR CONDITIONER AND AUDIO SYSTEM

CAR PHONE OR CB RADIO



Your INFINITI is equipped with a non-directional microphone, so it is not necessary to look at or speak directly into the microphone when calling. To do so could detract from the driving operation and cause an accident.

See the manual for the car phone operation.

When installing a car phone or a CB radio in your INFINITI, be sure to observe the following precautions, otherwise the new equipment may adversely affect the E.F.I. system and other electronic parts.

CAUTION:

- ***Keep the antenna as far as possible away from the Electronic Control Unit and radio.***
- ***Keep the antenna wire more than 8 inches (20 cm) away from the E.F.I. harness. Do not route the antenna wire next to any harness.***
- ***Adjust the antenna standing-wave ratio as recommended by the manufacturer.***

- ***Connect the ground wire from the CB radio chassis to the body.***
- ***For details, consult a INFINITI dealer.***

4 STARTING AND DRIVING

Precautions when starting and driving	4-2	Break-in schedule	4-11
Catalytic converter	4-2	Economy hints	4-12
Ignition switch	4-3	Parking	4-13
Before starting the engine	4-5	Precautions when driving	4-14
Driving with automatic transmission	4-5	Full-active suspension	4-15
Starting the engine	4-9	Operating precautions	1-16
Parking brake pedal	4-9	Traction control system	1-18
Cruise control	4-10	Cold weather driving cautions	4-18

STARTING AND DRIVING

PRECAUTIONS WHEN STARTING AND DRIVING

EXHAUST GAS (Carbon Monoxide)

WARNING:

Do not breathe exhaust gases. They contain colorless and odorless carbon monoxide. Carbon monoxide is dangerous and can cause unconsciousness or death.

- *If you suspect that exhaust fumes are entering the vehicle, drive with all windows fully open, and have the vehicle inspected immediately.*
- *Do not run the engine in closed spaces such as a garage for any longer than is absolutely necessary.*
- *Do not park the vehicle with the*

engine running for any extended length of time.

- *Keep the trunk lid closed while driving, otherwise exhaust gases may be drawn into the passenger compartment. If you must drive with the trunk open, follow these precautions:*

1. *Open all the windows.*
2. *Set the air recirculate switch "OFF" and the fan control at "high" to circulate the air.*

- *If electrical wiring or other cable connections must be routed to a trailer through the seal on the trunk lid or the body, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle.*
- *The exhaust system and body*

should be inspected by a qualified technician whenever:

- a. The vehicle is raised for service.*
- b. You suspect that exhaust fumes are entering into the passenger compartment.*
- c. You notice a change in the sound of the exhaust system.*
- d. You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.*

CATALYTIC CONVERTER

A catalytic converter is an emission control device installed in the exhaust system. Exhaust gases in the converter are burned at high temperatures to help reduce pollutants.

STARTING AND DRIVING

WARNING:

- *The exhaust gas and the exhaust system are very hot. While the engine is running, keep people or flammable materials away from the exhaust pipe.*
- *Do not stop or park the vehicle over flammable materials such as dry grass, waste paper or rags.*

To help prevent damage

- Do not use leaded gasoline.

Deposits from leaded gasoline will seriously reduce the catalytic converter's ability to reduce exhaust pollutants.

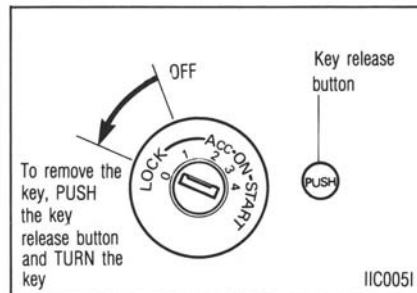
- Keep your engine tuned up. Malfunctions in the ignition, fuel injection, or electrical systems can cause over-rich

fuel flow into the converter, causing it to overheat. Do not keep driving if the engine misfires, or if noticeable loss of performance or other unusual operating conditions are detected. Have the vehicle inspected promptly by an authorized INFINITI dealer.

- Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the catalytic converter.
- Do not race the engine while warming it up.
- Do not push or tow your vehicle to start the engine.

IGNITION SWITCH

The switch includes the anti-theft steering lock device.



"LOCK" Normal parking position (0)

The ignition key can only be removed at this position.

To turn the ignition key to "LOCK" from "ACC" or "ON", turn the key to "OFF" and press in the key release button, then turn the key to "LOCK".

On automatic transmission models, move the shift lever to the "P" position before pressing in the key release button. The ignition lock is designed so that the key cannot be turned to

STARTING AND DRIVING

"LOCK" and removed until the shift lever is moved to the "P" position.

The shift lever is designed so that it cannot be moved out of "P" and into any of the other gear positions if the ignition key is turned to "ACC" or to "OFF" or if the key is removed from the switch.

The shift lever can only be moved if the ignition switch is in the "ON" position and the foot brake pedal is depressed.

WARNING:

To lock the steering wheel, remove the key. To unlock the steering wheel, insert the key and turn it gently while rotating the steering wheel slightly right and left.

Never remove the key while driving. If the key is removed, the steering wheel will lock. This may cause the driver to

lose control of the vehicle and could result in serious vehicle damage or personal injury.

"OFF" (1)

The engine can be turned off without locking the steering wheel.

"ACC" (Accessories) (2)

This position activates electrical accessories such as the radio when the engine is not running.

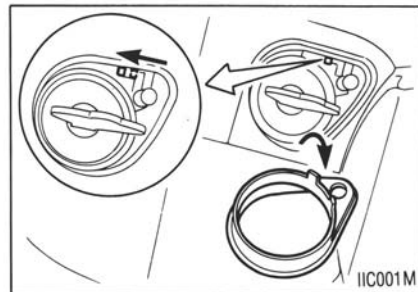
"ON" Normal operating position (3)

This position turns on the ignition system and the electrical accessories.

"START" (4)

This position activates the starter motor, starting the engine.

Emergency release lever



When the battery charge is low, pushing the key release button may not release the key even if the shift lever is in "P".

Using a suitable flat edged tool, remove the cover around the key. Under the cover there is a lever for emergency use.

Move the lever in the arrowed direction. Now, pushing the key release button will allow removal of the key with the shift lever positioned

STARTING AND DRIVING

in "P". Use the release button only in an emergency.

BEFORE STARTING THE ENGINE

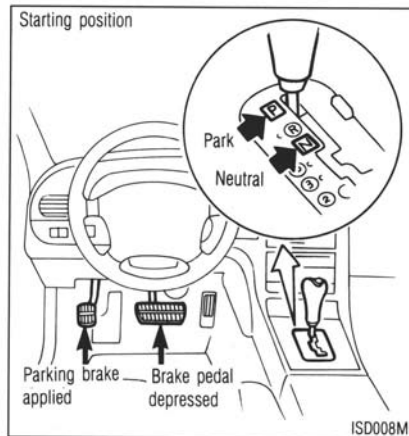
- Make sure all windows and lights are clean.
- Visually inspect tire condition. Also check tire pressure.
- Lock all doors.
- Position seat and adjust head restraints.
- Adjust inside and outside mirrors.
- Fasten seat belts and ask all passengers to do likewise.
- Check the operation of warning lights when key is turned to the "ON (3)" position.

DRIVING WITH AUTOMATIC TRANSMISSION

The automatic transmission in your vehicle is electronically controlled by a microcomputer to produce maximum power and smooth operation.

Recommended operating procedures for this transmission are shown on the following pages. Follow these procedures for maximum vehicle performance and driving enjoyment.

Starting the vehicle



- After starting the engine, fully depress the foot brake pedal before shifting the selector lever to the "D", "R", "2" or "1" position. Be sure the vehicle is fully stopped before attempting to shift the selector lever from or to "P" or "R".

STARTING AND DRIVING

This automatic transmission is designed so that the foot brake pedal **MUST** be depressed before shifting from “P” to any drive position while the ignition switch is “ON”.

The shift lever cannot be moved out of “P” and into any of the other gear positions if the ignition key is turned to “ACC” or “OFF” or if the key is removed from the switch.

1. Keep the foot brake pedal depressed and shift into a driving gear.
 2. Release the parking brake and foot brake, then gradually start the vehicle in motion.
- Cold engine idle speed is higher, so use caution when shifting into a forward or reverse gear before the engine has warmed up.
 - Avoid revving up the engine while the vehicle is stopped. This could cause

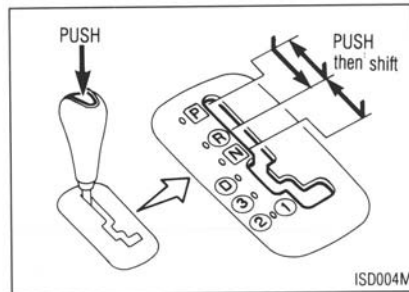
unexpected vehicle movement.

Driving precautions

To help prevent transmission damage:

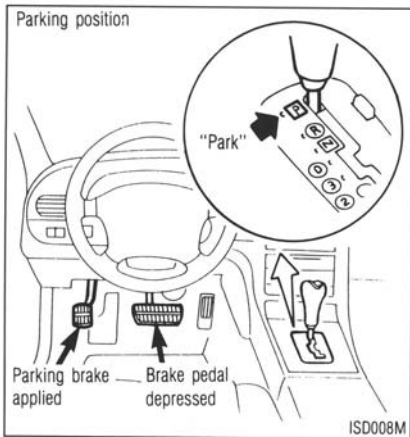
- Do not depress the accelerator pedal while shifting from “P” or “N” to “R”, “D”, “3”, “2” or “1”. Always depress the brake pedal until shifting is completed.
- Never shift to “P” or “R” while vehicle is moving.
- When stopping the vehicle on an uphill grade, do not hold the vehicle by depressing the accelerator pedal. The foot brakes should be used for this purpose.

TRANSMISSION SELECT LEVER OPERATION



Push the button to shift into “P”, or from “N” to “R” and “P” to “R”. All other positions can be selected without pushing the button.

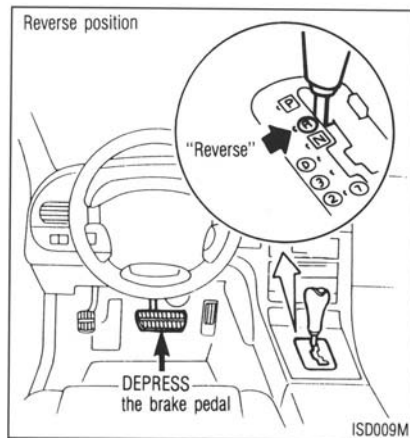
STARTING AND DRIVING



"P" (Park):

Use this selector position when the vehicle is parked or when starting the engine. Make sure the vehicle is completely stopped. For maximum safety, depress the brake pedal, then push in the select lever button and move the lever to the "P" position. Apply the parking brake. When

parking on a hill, apply the parking brake first, then shift the lever into the "P" position.



"R" (Reverse):

Use this position to back up. Always make sure the vehicle is completely stopped when selecting "R". With the brake pedal depressed, push

in the select lever button and move the lever to the "R" position.

"N" (Neutral):

Neither forward or reverse gear is engaged. The engine can be started in this position. You may shift to "N" and restart a stalled engine while the vehicle is moving.

"D" (Drive):

Use this position for all normal forward driving.

"3" (Third gear):

Use for driving up and down long slopes where engine "braking" would be advantageous.

"2" (Second gear):

Use for hill climbing or engine braking on downhill grades.

Do not exceed 68 MPH (110 km/h) in the "2" position.

STARTING AND DRIVING

"1" (Low gear):

Use this position when climbing steep hills slowly or driving slowly through deep snow, sand or mud, or for maximum engine braking on steep downhill grades.

Do not exceed 34 MPH (55 km/h) in the "1" position.

Accelerator downshift

— In "D" position —

For passing or hill climbing, fully depress the accelerator pedal to the floor. This shifts the transmission down into second gear or first gear, depending on the vehicle speed.

Overdrive position

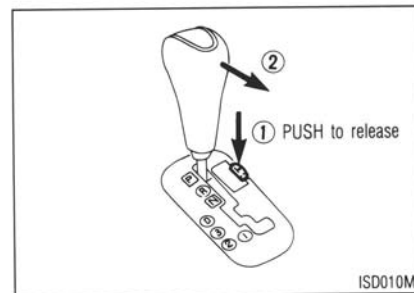
For normal driving move the shift lever to the "D" position. The transmission is automatically upshifted into OVERDRIVE as the vehicle speed increases. To cancel the overdrive, move the shift lever to "3" position.

- When cruising at a low speed or climbing a gentle slope, you may feel uncomfortable shift shocks as the transmission shifts between 3rd and overdrive repeatedly. In this case, move the shift lever to the "3" position.

When driving conditions change, reset the shift lever into the "D" position.

Please note that the overdrive will not engage until the engine has warmed up.

- Remember not to drive at high speeds for extended periods of time with the shift lever in the "3" position. This reduces the fuel economy.



Shift lever release knob

If the battery charge is low, the shift lever may not be moved from the "P" position even with the brake pedal depressed and the shift lever knob pushed.

To move the shift lever, push the release knob and shift lever button. The shift lever can be moved to Neutral ("N").

If there is any problem moving the lever out of "P", have your INFINITI dealer check the

STARTING AND DRIVING

automatic transmission system as soon as possible.

STARTING THE ENGINE

1. Apply the parking brake.
2. Move the selector lever to "P" (Park) or "N" (Neutral). ("P" preferred.)

The shift lever cannot be moved out of "P" and into any of the other gear positions if the ignition key is turned to "ACC" or "OFF" or if the key is removed from the switch.

The starter is designed not to operate if the selector lever is in one of the driving positions.

3. Crank the engine **with your foot off the accelerator pedal** by turning the ignition key to "START". Release the key when the engine starts. If the engine starts, but fails to run, repeat the above procedure.

— If the engine is very hard to start in extremely cold or hot weather, depress the accelerator pedal and hold it to help start the engine.

— In the summer, when restarting the engine within 30 minutes after it has been stopped, keep the accelerator pedal fully depressed while starting.

CAUTION:

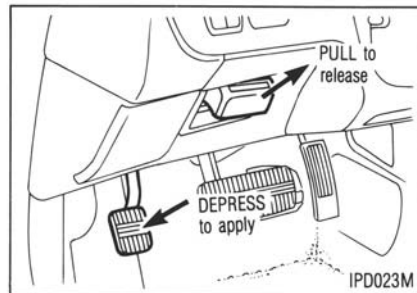
Do not operate the starter for more than 15 seconds at a time. If the engine does not start, wait 10 seconds before cranking again, otherwise the starter could be damaged.

4. Warm-up

Allow the engine to idle for at least 30 seconds after starting. Drive at moderate

speed for a short distance first, especially in cold weather.

PARKING BRAKE PEDAL



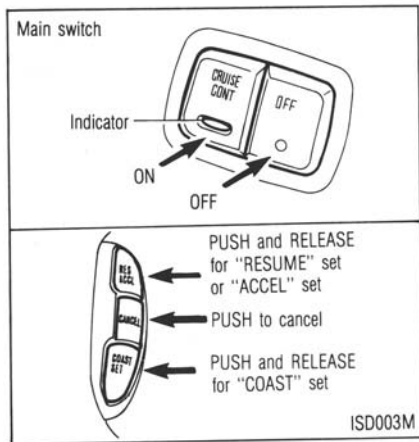
To apply: Fully depress the parking brake pedal.

To release: Pull the release lever. Be sure the parking brake warning light turns off.

STARTING AND DRIVING

CRUISE CONTROL

The cruise control allows driving at a speed between 30 to 89 MPH (48 to 144 km/h) without keeping your foot on the accelerator pedal.



To turn on the cruise control, push the main

switch on. The indicator light on the switch will come on.

To set cruising speed, accelerate your vehicle to the desired speed, push the COAST/SET switch and release it. (The "CRUISE" indicator light will come on.) Take your foot off the accelerator pedal. Your vehicle will maintain the set speed.

- **When passing a vehicle,** depress the accelerator pedal. When you release the pedal, the vehicle will return to the previously set speed.
- The vehicle may not maintain the set speed when going up or down steep hills. If this happens, drive without the cruise control.

To cancel the preset speed, follow any of these methods:

- a) Push the cancel button; The "CRUISE" light will go out.

- b) Tap the brake pedal; The "CRUISE" light will go out.

- c) Turn the main switch off. Both the "ON" indicator and "CRUISE" indicator lights will go out.

- If you depress the brake pedal while pushing the "ACCEL" set switch and reset at the cruising speed, the cruise control will disengage. Turn the main switch off once and then turn it on again.
- The cruise control will automatically be canceled if the vehicle slows down below approximately 8 MPH (13 km/h).

To reset at a faster cruising speed, use one of the following three methods:

- a) Depress the accelerator pedal. When the vehicle attains the desired speed, push and release the "COAST/SET" switch.
- b) Push and hold the "ACCEL" set switch.

STARTING AND DRIVING

When the vehicle attains the speed you desire, release the switch.

- c) Push, then quickly release the "ACCEL" set switch. Each time you do this, the set speed will increase by about 1 MPH (1.6 km/h).

To reset at a slower cruising speed, use one of the following methods:

- a) Lightly tap the brake pedal. When the vehicle attains the desired speed, push the "COAST/SET" switch and release it.
- b) Push and hold the "COAST/SET" switch. Release the switch when the vehicle slows down to the desired speed.
- c) Push, then quickly release the "COAST/SET" switch. Each time you do this, the set speed will decrease by about 1 MPH (1.6 km/h).

To resume the preset speed, push and release the "RESUME" set switch. The vehicle

will resume the last set cruising speed when the vehicle speed is over 30 MPH (48 km/h).

Precautions

- When the cruise control system malfunctions, it will cancel automatically. The cruise indicator in the meter assembly will then blink to warn the driver.
- When the cruise indicator blinks, turn the cruise control switch (Main switch) "OFF" and have the system checked by your INFINITI dealer.
- The cruise indicator may sometimes blink when the cruise control switch (Main switch) is turned "ON" while pushing the "RESUME/ACCEL" switch or "COAST/SET" switch or "CANCEL" switch (located on the steering wheel). To properly set the cruise control system, perform the steps above in the order indicated.

Avoid using the cruise control when driving

under the following conditions:

- in heavy traffic or in traffic that varies in speed.
- on winding or hilly roads.
- on slippery roads (rain, snow, ice, etc.)
- in very windy areas.

BREAK-IN SCHEDULE

Your driving habits during the first 1,000 miles (1,600 km) of vehicle operation are important to the future reliability and economy of your new INFINITI. Listed below are driving recommendations that will allow proper break-in of engine components. Driving the vehicle too hard during the break-in period may result in vehicle damage or shortened engine life.

- Do not drive over 55 MPH (90 km/h) and do not run the engine over 4,000 rpm. Avoid driving for long periods at constant speed, either fast or slow.

STARTING AND DRIVING

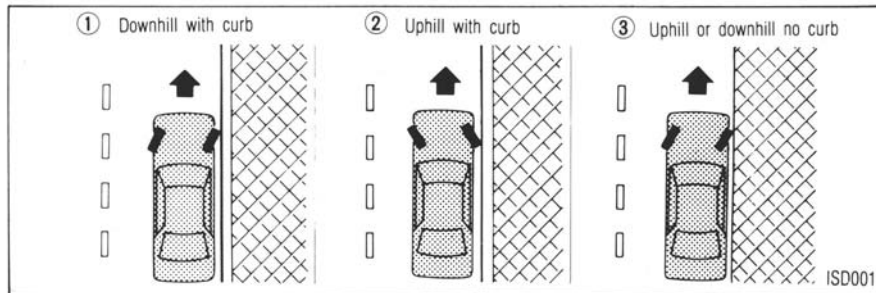
- Do not accelerate at full throttle in any gear.
- Avoid quick starts.
- Avoid hard braking as much as possible.
- Do not tow a trailer for the first 500 miles (800 km).

ECONOMY HINTS

- Accelerate slowly and smoothly. Maintain cruising speeds with a constant accelerator position.
- Drive at moderate speeds on the highway.
- Avoid unnecessary stopping and braking. Keep a safe distance behind other vehicles.
- Select a gear range suitable to road conditions.
- Avoid unnecessary engine idling.
- Keep your engine tuned up.
- Follow the recommended periodic maintenance schedule.
- Keep the tires inflated at the correct pressure. Improper tire pressure will increase wear and waste fuel.
- Make sure the front wheels are properly aligned. Improper alignment will cause not premature tire wear but also lower fuel economy.
- Air conditioner operation lowers fuel economy. Use the air conditioner only when necessary.
- When cruising at highway speeds, it is more economical to use the air conditioner and leave the windows closed to reduce drag.

STARTING AND DRIVING

PARKING/PARKING ON HILLS



CAUTION:

Do not park the vehicle over flammable materials such as dry grass, waste paper or rags.

1. Firmly apply the parking brake.
2. Move the gearshift lever to the "P" (PARK) position.

CAUTION:

A safe parking procedure requires setting the parking brake and placing the transmission into "P" (park) position. Make sure the shift lever has been pushed as far forward as it can go and cannot be moved without depressing the button at the end of the lever.

3. To help prevent the vehicle from rolling into the street when parked on a sloping drive way, it is a good practice to turn the wheels as illustrated.

● HEADED DOWNHILL WITH CURB: ①

Turn the wheels into the curb and move the vehicle forward until the curb side wheel gently touches the curb.

● HEADED UPHILL WITH CURB: ②

Turn the wheels away from the curb and move the vehicle back until the curb side wheel gently touches the curb.

● HEADED UPHILL OR DOWNHILL, NO CURB: ③

Turn the wheels toward the side of the road so the vehicle will move away from the center of the road if it moves.

4. Turn the ignition key to the "LOCK" position and remove the key.

STARTING AND DRIVING

CAUTION:

- *Never leave the engine running while the vehicle is unattended.*
- *Never leave children unattended in the vehicle.*

PRECAUTIONS WHEN DRIVING

● **Driving with power brakes:**

The brake booster aids braking by using engine vacuum. If the engine stops, you can stop the vehicle by depressing the brake pedal. However, increased foot pressure on the brake pedal will be required to stop the vehicle and the stopping distance will be longer.

● **Driving with the power assisted steering:**

The power assisted steering uses a hydraulic pump, driven by the engine, to assist steering.

If the engine stops or the drive belt breaks, you will still have control of the vehicle. However, steering effort is increased significantly.

● **Wet brakes:**

When the vehicle is washed or driven through water, the brakes may get wet. As a result, your braking distance will be longer and the vehicle may pull to one side during braking.

To dry brakes, drive the vehicle at a safe speed while lightly pressing the brake pedal to heat-up the brakes. Do this until the brakes return to normal. Avoid driving the

vehicle at high speeds until the brakes function correctly.

● **Parking brake bedding:**

The parking brake shoes must be "bedded down" whenever the stopping effect of the parking brake is weakened or whenever the parking brake shoes and/or drums are replaced, in order to assure the best braking performance.

Have your INFINITI dealer perform this procedure.

- Avoid resting your foot on the brake pedal while driving. This will overheat the brakes, cause premature brake wear and reduce gas mileage.
- To help save the brakes and to prevent the brakes from overheating, reduce speed and downshift to a lower gear before going down a slope or long grade. Overheated brakes may reduce braking performance and could

STARTING AND DRIVING

result in loss of vehicle control.

- While driving on a slippery surface, be careful when braking, accelerating or down-shifting. Abrupt braking actions or sudden acceleration could cause the wheels to skid.

ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system controls the wheels so that they will not lock when braking abruptly or when braking on a slippery road. Difficult steering and swerving of the vehicle rear due to locked wheels is minimized. The system detects the wheel rotation rate and electronically controls the fluid pressure applied to the brakes. A slight vibration on the brake pedal and noise will be noticed during hard braking. This is normal and indicates that the ABS is functioning properly.

If an abnormality occurs in the system, the anti-lock function will stop but the ordinary brakes will operate normally. The "ANTI-LOCK"

brake warning light will then come on.

If the light comes on while you are driving, contact your INFINITI dealer for repair. In case of emergency, see Section 5.

WARNING:

The anti-lock brake system, although a sophisticated device, cannot prevent accidents resulting from careless or dangerous driving. Ultimately the responsibility for safety rests in the hands of the driver. Only through attentive and careful driving can the anti-lock brake system be fully appreciated and safety assured.

Tire type and condition may also affect braking effectiveness. Please refer to "Wheel and tire" in section 7 of this manual.

FULL-ACTIVE SUSPENSION

The Full Active Suspension senses variations in the car body position, instantaneously, during driving. It also controls changes in height depending on the weight and number of passengers. Driving comfort and stability is greatly improved for starts, braking, turning and driving on rough roads.

The height of the car is adjustable for driving on rough or gravel roads. Turning the switch to H while the engine is on will cause the car to rise gradually [approx. 0.8 in (2 cm)]. The HEIGHT light in the meter will illuminate at the same time.

When speeds reach more than 43 MPH (70 km/h), the vehicle will return to the normal position.

When speed is reduced to below 37 MPH (60 km/h), the vehicle will return to the High position.

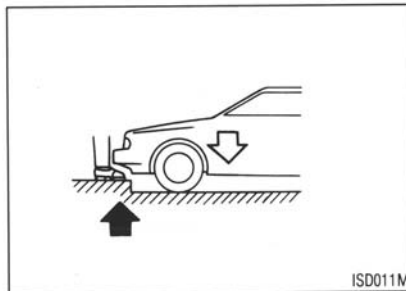
STARTING AND DRIVING

Active suspension diagnostic device

If a malfunction occurs in the Active Suspension, (wrong input from a sensor, etc.) the diagnostic device will cut off electric control and return the suspension to normal. When this happens, the ACTSUS warning light in the meter will illuminate.

A “rapping” noise will be heard under the floor which indicates termination of height adjustment and a return to normal suspension. Although driving can continue without electric control, the Active Suspension system should be inspected at your INFINITI dealer as soon as possible.

OPERATING PRECAUTIONS



- Vehicle height gradually increases or decreases when the engine starts or stops. Do not allow anyone to get under the vehicle or any part of your body to be caught between the wheel and car body.
- When the engine stops, vehicle height control is stopped. The pressure in the system will balance gradually. The greater the number of passengers or load, the greater the decrease in vehicle height, and

the fewer the number, the greater the increase in vehicle height. Keep in mind that the greater the load, the greater the change in vehicle height.

Vehicle load	Vehicle height (2 minutes after stopping the engine)
Fully loaded [adults 150 lb (68 kg) × 5 + luggage 150 lb (68 kg)]	Decreases approx. 1.6 in (40 mm).
No load (empty)	Increases approx. 0.4 in (10 mm).

- Before inserting your hand into the wheelhouse, wait at least 3 minutes after stopping the engine. Vehicle height will then be stabilized. Remember that vehicle height changes greatly depending on the load.
- Do not stop the engine in areas where curbs, stones, etc. are too close to the door.

STARTING AND DRIVING

If the engine is stopped with the door left open, damage to the door may result due to changes in vehicle height.

- While the engine is stopped, vehicle height may change slightly due to changes in ambient temperatures or hydraulic oil temperatures. This is not a matter of concern. However, if the vehicle is tilted excessively or if the vehicle height decreases greatly after a few days of parking, the active suspension system is not functioning properly.
- Vehicle height may decrease considerably if the vehicle has not been driven for an extended period of time or if the engine oil temperature was extremely high immediately after stopping. This is not an indication of a problem and will be corrected after restarting the engine.
- Vehicle height cannot be properly controlled

if the vehicle is parked on an uneven surface such as when wheels ride over stones [3.94 in (100 mm) high], etc. Move the vehicle to a level surface, where the vehicle height can be controlled properly.

- When the height control switch is turned to the HIGH position and the parking brake or foot brake is applied with the vehicle not set level, all actuators may not change equally.
- Vehicle height cannot be controlled while the active suspension warning light is illuminated.
- When a very cold engine is stopped, vehicle height may decrease slightly, approximately 3 minutes after stopping.
- If the engine is restarted, vehicle height may change depending on the ambient temperature, load conditions, etc.
- When the fail-safe valve operates, it may

produce a sound and vehicle height may change slightly.

- Do not disconnect battery terminals or remove fuses for approximately 3 minutes after stopping the engine. Doing so may change vehicle height.
- Before raising the vehicle using a jack, wait at least 3 minutes after stopping the engine.
- Do not get under the vehicle when it is raised with only a jack and do not start the engine.

TRACTION CONTROL SYSTEM

On slippery surfaces such as wet asphalt roads, vehicle wheels may spin when the vehicle is accelerated. This wheel spin reduces acceleration, or causes the vehicle to swerve, thus deteriorating vehicle stability.

When the vehicle drive wheels begin to spin,

STARTING AND DRIVING

the traction control system controls the engine torque and the braking force of the drive wheels using an electronic control system, and stops the spinning of the drive wheels. This results in improved vehicle starting off and acceleration performance and also improves the vehicle's stability by preventing swerving motion.

- The traction control system electronically controls braking operation. During control operation, this system issues slight vibration and noise. This phenomenon, occurring during sudden starting off or sudden acceleration indicates that the traction control is operating normally. It is therefore not a fault.
- Indicator light
If trouble occurs in the traction control system, and warning light lights in the meter panel.
As long as this warning light is lighted, the traction control function is canceled, and the vehicle then behaves as a model originally

not equipped with the traction control system.

- When first starting off the vehicle, after starting the engine and when the vehicle speed rises to approx. 3MPH (5 km/h), a slight noise may be heard inside the engine compartment. This noise indicates that the system is being checked automatically, and does not indicate trouble.

COLD WEATHER DRIVING CAUTIONS

Freeing a frozen door lock

To prevent a door lock from freezing, apply de-icer or glycerin through the key hole. If the lock becomes frozen, heat the key before inserting it into the key hole.

Anti-freeze

When it is anticipated that the temperature will drop below 32°F (0°C), check anti-freeze (eth-

ylene glycol base) to assure proper winter protection. For details, see "Engine cooling system" in the "Do-it-yourself" section.

Battery

If the battery is not fully charged during extremely cold weather conditions, the battery fluid may freeze and damage the battery. To maintain maximum efficiency, the battery should be checked regularly. For details, see "Battery" in the "Do-it-yourself" section.

Draining of coolant water

If the vehicle is to be left outside without anti-freeze, drain the cooling system by opening the drain valves located under the radiator and on the engine block. Refill before operating the vehicle. See "Changing Engine Coolant" in the "Do-it-yourself" section.

STARTING AND DRIVING

Tire equipment

1. The SUMMER tires are of a tread design to provide superior performance on dry pavement. However, the performance of these tires will be substantially reduced in snowy and icy conditions. If you operate your vehicle on snowy or icy roads, INFINITI recommends the use on all four wheels of MUD & SNOW or ALL SEASON tires. Please consult your INFINITI dealer for the tire type, size, speed rating and availability information.
2. For additional traction on icy roads, studded tires may be used. However, some states and provinces prohibit their use. Check local, state and provincial laws before installing studded tires.

Skid and traction capabilities of studded snow tires, on wet or dry surfaces, may be

poorer than that of non-studded snow tires.

3. Snow chains may be used if desired. Chains of SAE class "S" are recommended. Make sure they are of proper size for the tires on your vehicle and are installed according to the chain manufacturer's suggestions. In addition, drive at a reduced speed, otherwise your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

Special winter equipment

It is recommended that the following items be carried in the vehicle during winter:

1. A scraper and stiff-bristled brush to remove ice and snow from the windows and wiper blades.
2. A sturdy, flat board to be placed under the jack to give it firm support.

3. A shovel to dig the vehicle out of snow-drifts.
4. Extra window washer fluid to refill the reservoir tank.

Driving on snow or ice

- Wet ice (32°F, 0°C and freezing rain), very cold snow or ice can be slick and very hard to drive on. The vehicle will have a lot less traction or "grip" under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.
- Whatever the condition, drive with caution and accelerate gently. If accelerated too fast, the drive wheels will spin and will lose even more traction.
- Allow more stopping distance under these conditions. Braking should be started sooner than on dry pavement.

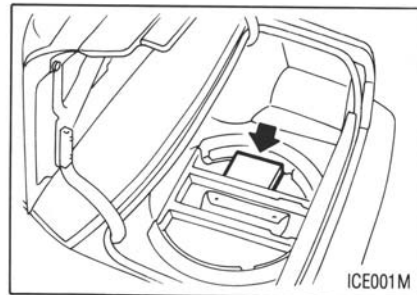
STARTING AND DRIVING

- Allow greater following distances on slippery roads.
- Watch for slippery spots (glare ice). These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while actually on the ice, and avoid any sudden steering maneuvers.

5 IN CASE OF EMERGENCY

Roadside assistance program	5-2
Flat tire	5-2
Jump starting	5-7
Push starting	5-10
If your vehicle overheats.....	5-10
Tow truck towing	5-11
Freeing vehicle from sand, snow or mud.....	5-13

For your convenience, a complete Service Manual is placed into the trunk of your vehicle as shown.



IN CASE OF EMERGENCY

ROADSIDE ASSISTANCE PROGRAM

Every new INFINITI comes with a 4 year/60,000 mile (96,000 km) Roadside Assistance plan. In the event of a road side emergency, Roadside Assistance Service is available to you. Please refer to your Warranty Booklet for details. Both the Warranty Booklet and Roadside Assistance Calling Card in your Owner's Literature Portfolio provide the Toll-free number to call for assistance. Roadside Assistance is provided 24 hours a day, 365 days a year, for the duration of the basic warranty. Emergency roadside help, in the event of mechanical or non-mechanical trouble(s) such as flat tires, out-of-gas, dead battery, lost keys mechanical breakdown, accident, etc. is also available.

FLAT TIRE

If you have a flat tire, follow the instructions below.

Stopping the vehicle

1. Safely move the vehicle off the road and away from traffic.
2. Turn on the hazard warning flashers.
3. Park on a level surface, apply the parking brake and shift into "P".
4. Turn off the engine.

WARNING:

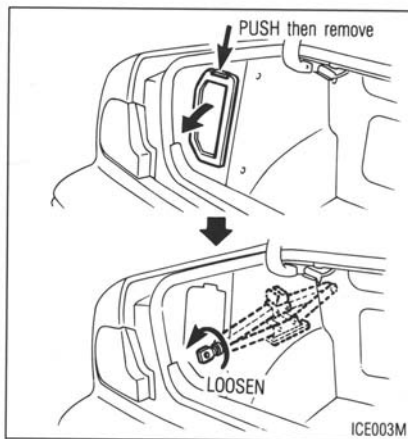
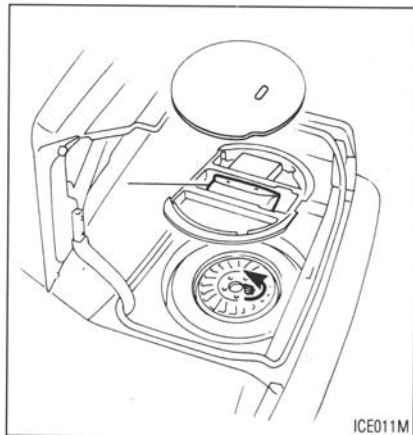
- ***Never change tires when the vehicle is on a slope. This is dangerous.***
- ***Never change tires if oncoming traffic is close to your vehicle. Wait for professional road assistance.***
- ***Raise the hood to warn other traffic, and to signal professional road assistance personnel that you need help.***

- ***Have all passengers get out of the vehicle and stand in a safe place, away from traffic and clear of the vehicle.***

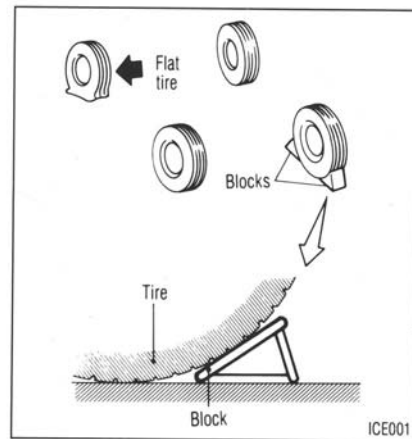
If needed, Roadside Assistance is available. Please refer to your Warranty Booklet or Roadside Assistance I.D. Card for the toll-free number to call.

IN CASE OF EMERGENCY

Getting the spare tire and tools



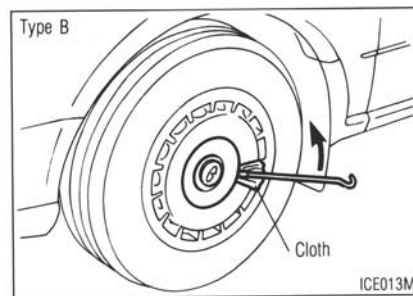
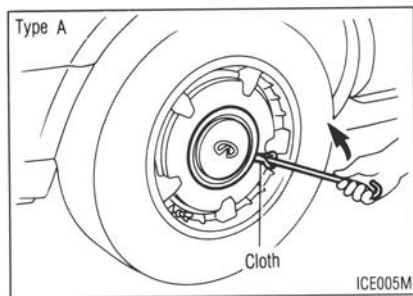
Jacking tools and spare tire are located inside the trunk as illustrated.



Blocking wheels

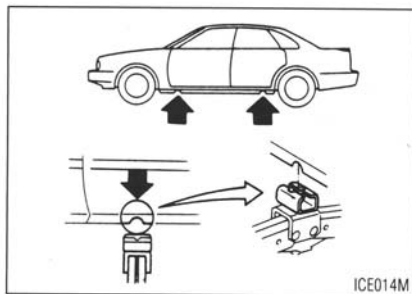
Place suitable blocks at both the front and back of the wheel diagonally opposite the flat tire to prevent the vehicle from rolling when it is jacked up.

IN CASE OF EMERGENCY



Removing wheel cover

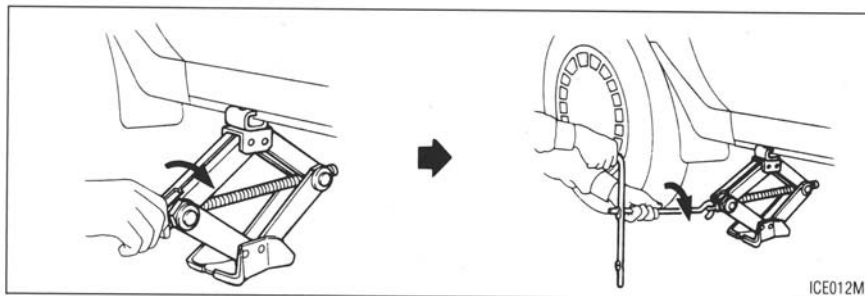
IN CASE OF EMERGENCY



Jacking up and removing tire

To help avoid personal injury, carefully read the caution label attached to the jack body and the following instructions.

1. Place the jack directly under the jack-up point as illustrated above so that top of the jack contacts the vehicle at the jack up point. Align the center of both the jack head and the notch at the jack up point as shown. Also fit the notched portion of the vehicle in the groove of the jack head as shown.



The jack should be used on level firm ground.

2. Loosen each wheel nut one or two turns by turning counterclockwise with the wheel nut wrench. **Do not remove the wheel nuts until the tire is off the ground.**
3. Carefully raise the vehicle until the tire clears the ground. Remove the wheel nuts, and then remove the tire.

WARNING:

- **Never get under the vehicle while it is supported only by the jack.**
- **Use the jack provided with your vehicle. The jack is designed only for lifting your vehicle during a tire change.**
- **Use the correct jack up points; never use any other part of the vehicle for jack support.**

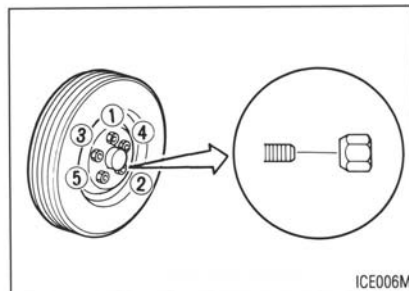
IN CASE OF EMERGENCY

- **Never jack up the vehicle more than necessary.**
- **Never use blocks on or under the jack.**
- **Do not start or run engine while vehicle is on the jack.**
- **Do not allow passengers to stay in the vehicle while it is on the jack.**
- **Do not raise the vehicle using a bumper jack.**
- **This model is equipped with a limited slip differential carrier; never run the engine with one rear wheel off the ground. It may cause the vehicle to move.**
- **On models with Full-active suspension, wait at least 3 minutes after stopping the engine, before jacking-up the vehicle.**

Installing wheel

The T-type spare tire is designed for emergency use. See specific instructions under the heading "Wheel and tire" in the "Do-it-yourself" section.

1. Clean mud or dirt from the surface between the wheel and hub.
2. Carefully put the wheel on and tighten the wheel nuts finger tight.
3. With the wheel nut wrench, tighten wheel nuts alternately and evenly until they are tight.



4. Lower the vehicle slowly until the tire touches the ground. Then, with the wheel nut wrench, tighten the wheel nuts securely in the sequence as illustrated.

CAUTION:

- **As soon as possible tighten the wheel nuts to the specified torque with a torque wrench.**

IN CASE OF EMERGENCY

Wheel nut tightening torque:

72 to 87 ft-lb

(98 to 118 N-m)

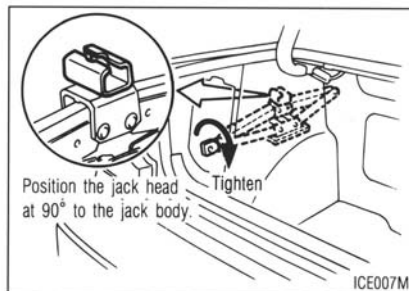
- Adjust tire pressure to the **COLD** pressure.

COLD pressure:

After vehicle has been parked for three hours or more or driven less than 1 mile (1.6 km).

COLD tire pressures are shown on the tire placard located on the front face of the rear left wheel housing.

- Retighten the wheel nuts when the vehicle has been run for 600 miles (1,000 km).



5. Securely store the spare tire and jacking equipment in the vehicle.

- Make sure that the spare tire and jacking equipment are properly secured after use .

Such items can become dangerous projectiles in an accident or sudden stop.

The T-type spare tire is designed for emergency use. See specific instructions under the heading "Wheel and tire" in the

"Do-it-yourself" section.

JUMP STARTING

To start your engine with a booster battery, the instructions and precautions below must be followed.

CAUTION:

- If done incorrectly, jump starting can be hazardous.
- Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.
- Do not allow battery fluid to come into contact with eyes, skin, cloth or painted surfaces. Battery fluid is a corrosive sulphuric acid solution which can cause severe burns. If the fluid should come into contact with anything, immediately flush the con-

IN CASE OF EMERGENCY

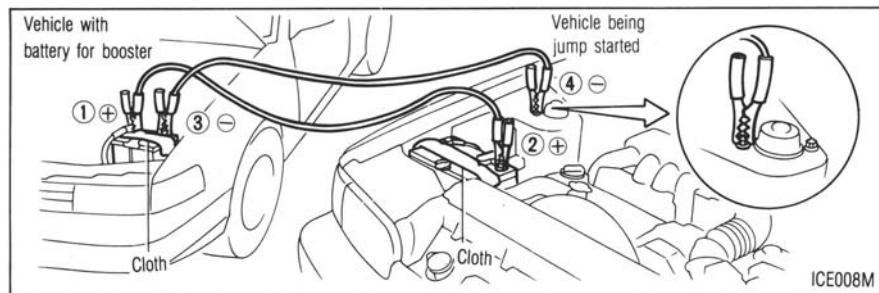
tacted area with water.

- *A battery rated at above 12 volts should not be used for a booster.*
- *Whenever working on or near a battery, always wear suitable eye protectors (e.g., goggles or industrial safety spectacles) and remove rings, metal bands, or any other metal jewelry.*
- *Never attempt to jump start a vehicle with a frozen battery. The battery could rupture and explode. If you suspect a frozen battery, remove the vent caps and check the fluid. If there seems to be no fluid, or if you see ice, do not attempt a jump start until the fluid thaws.*
- *Keep children away from the battery.*

If needed, Roadside Assistance is available. Please refer to your Warranty Booklet or Roadside Assistance I.D. Card for the toll-free number to call.

Always follow the instructions below. Failure to do so could result in damage to the charging system and cause personal injury.

IN CASE OF EMERGENCY



1. If the booster battery is in another vehicle, position the two vehicles to bring their batteries into close proximity to each other.

Do not allow the two vehicles to touch.

2. Apply the parking brake. Move the shift lever to "P". Switch off all unnecessary electrical systems (light, heater, air conditioner, etc.).
3. Remove vent caps on the battery (if so equipped). Cover the battery with an old cloth to reduce explosion hazard.

4. Connect jumper cables in the sequence as illustrated.

CAUTION:

- **Always connect positive (+) to positive (+) and negative (-) to body ground (e.g., strut mounting bolt, etc. — not to the battery).**
- **Make sure that cables do not touch moving parts in the engine compartment and that clamps do not contact**

any other metal.

5. Start the engine of the other vehicle and let it run for a few minutes.
6. Start your engine in the normal manner.

CAUTION:

Do not engage the starter motor for more than 10 seconds. If the engine does not start right away, turn the key off and wait 3 to 4 seconds before trying again.

7. After starting your engine, carefully disconnect the negative cable and then the positive cable.
8. Replace the vent caps (if so equipped). Be sure to dispose of the cloth used to cover

the vent holes as it may be contaminated with corrosive acid.

PUSH STARTING

CAUTION:

- *This model cannot be push started. This may cause transmission damage.*
- *Catalytic converter equipped models should not be started by pushing since the catalytic converter may be damaged.*
- *Never try to start the vehicle by towing it; when the engine starts, the forward surge could cause the vehicle to collide with the tow vehicle.*

IN CASE OF EMERGENCY

If needed, Roadside Assistance is available. Please refer to your Warranty Booklet or Roadside Assistance I.D. Card for the toll-free number to call.

IF YOUR VEHICLE OVERHEATS

If your vehicle is overheating (indicated by an extremely high temperature gauge reading), or if you feel a lack of engine power, detect abnormal noise, etc., take the following steps:

WARNING:

To avoid the danger of being scalded, never remove the radiator cap while the engine is still hot. When the radiator cap is removed, pressurized hot water will spurt out, possibly causing serious injury.

1. Move the vehicle safely off the road, apply the parking brake and move the shift lever to "P".

Do not stop the engine.

2. Turn off the air conditioner switch. Open all the windows, move the heater or air conditioner temperature control to "maximum hot" and fan control to "high speed".
3. Get out of the vehicle. Look and listen for steam or coolant escaping from the radiator before opening the hood. Wait until no steam or coolant can be seen before proceeding.
4. Open the engine hood.

WARNING:

If steam or water is coming from the engine, stand clear to prevent getting burned.

IN CASE OF EMERGENCY

5. If engine overheating is caused by climbing a long hill on a hot day, run the engine at a fast idle (approximately 1,500 rpm) until the temperature gauge indication returns to normal.
 6. Visually check drive belts for damage or looseness. Also check to make sure the cooling fan is running. The radiator hoses and radiator should not leak water.
 7. After the engine cools down, check the coolant level in the reservoir tank with the engine running. Add coolant to the reservoir tank if necessary. Have your vehicle repaired at the nearest INFINITI dealer.
- If needed, Roadside Assistance is available. Please refer to your Warranty Booklet or Roadside Assistance I.D. Card for the toll-free number to call.

WARNING:

Be careful not to allow your hands, hair or clothing to come into contact with, or to get caught in, the running fan, belts, or motor fan.

If coolant is leaking, the cooling fan belt is missing or loose, or the cooling fan does not run, stop the engine.

TOW TRUCK TOWING

When towing your vehicle, all State (Provincial in Canada) and local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. Towing instructions are available from your INFINITI dealer. Local service operators will generally be familiar with the applicable laws and procedures for towing. To assure proper towing and to prevent accidental damage to your vehicle, INFINITI recommends that you have a service operator tow your vehicle. It is advisable to have the service operator carefully read the following precautions.

CAUTION:

- ***When towing, make sure that the transmission, axles, steering system and power train are in working condition. If any unit is damaged, a dolly must be used.***

IN CASE OF EMERGENCY

- **When towing with the front wheels on the ground:** Turn the ignition key to the "OFF" position and secure the steering wheel in a straight-ahead position with a rope or similar device. Never place the ignition key in the "LOCK" position. This will result in damage to the steering lock mechanism.

- **When towing with the rear wheels on the ground, release the parking brake and move the shift lever to the "N" position.**

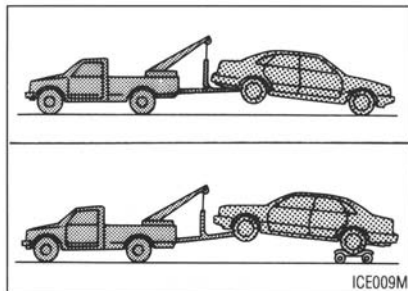
Push the shift lever release knob to move the shift lever to neutral ("N" position).

- **Attach safety chains for all towing.**
- **On models with full-active suspension, when the vehicle is going to be transported by railroad, consult**

your INFINITI dealer for details.

- ***Vehicle height gradually increases or decreases when the engine starts or stops. do not allow anyone to get under the vehicle or any part of your body to be caught between the wheelhouse and car body.***

If needed, Roadside Assistance is available. Please refer to your Warranty Booklet or Roadside Assistance I.D. Card for the toll-free number to call.



INFINITI recommends that your vehicle be towed with the driving (rear) wheels off the ground as illustrated.

CAUTION:

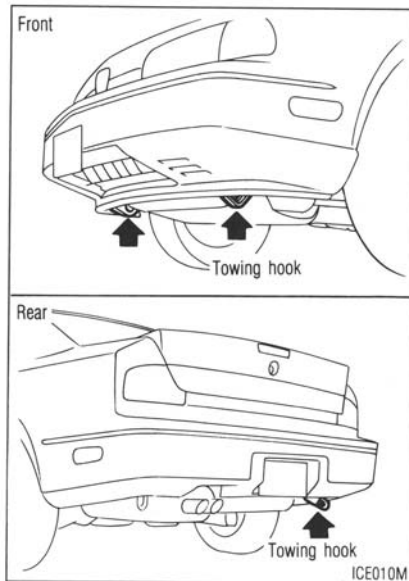
If you have to tow an automatic transmission model with four wheels on ground or with front wheels raised (with rear wheels on ground), observe the following restricted towing speeds and distances.

IN CASE OF EMERGENCY

- **Speed: Below 30 MPH (50 km/h)**
- **Distance: Less than 40 miles (65 km)**

If the speed or distance must necessarily be greater, remove the propeller shaft before towing to prevent damage to the transmission.

FREEING VEHICLE FROM SAND, SNOW OR MUD



- Use the towing hooks **only** as illustrated, not other parts of the vehicle. Otherwise, the vehicle body will be damaged.
- Use the towing hooks **only** to free a vehicle stuck in sand, snow, mud, etc. **Never** tow the vehicle using only the towing hooks.
- The towing hook is under tremendous force when used to free a stuck vehicle. Always pull the cable straight out from the front or rear of the vehicle. **Never** pull on the hook at a sideways angle.

6 APPEARANCE AND INTERIOR CARE

Cleaning exterior and interior	6-2
Protecting against corrosion	6-6

APPEARANCE AND INTERIOR CARE

CLEANING EXTERIOR AND INTERIOR

Washing

Wash dirt off with a wet sponge and plenty of water. Clean the vehicle thoroughly using a mild soap, such as "Nissan Car Wash" or a detergent (a general purpose dish-washing liquid) mixed with clean, lukewarm (never hot) water.

Avoid using tight-napped or rough cloths such as washing mitts. Care must be taken when removing caked-on dirt or other foreign substances so that the paint surface is not scratched or damaged.

Rinse the vehicle thoroughly with plenty of clean water.

Inside flanges, seams and folds on the doors, hatches and hood are particularly vulnerable to the effects of road salt. Therefore, these areas must be regularly cleaned. Make sure that the

drain holes in the lower edge of the door are open. Spray water under the body and in the wheel wells to loosen the dirt and wash away road salt.

Avoid leaving water spots on the paint surface by using a damp chamois to dry the vehicle.

CAUTION:

Do not use strong household soap, strong chemical detergents, gasoline or solvents.

Do not wash the vehicle under the hot sun, as the surface may become spotted with water residues.

- ***Avoid using tight-napped or rough cloths, such as washing mitts. Care must be taken when removing caked-on dirt or other foreign substances so that the paint surface is***

not scratched or damaged.

Waxing

Because your INFINITI has been finished with the finest paint and clear coats, it is not necessary to apply wax to your vehicle's exterior finish. The clear coat is fluorine type, and needs no waxing for many years.

If you wish to wax your vehicle, only use a wax specified for use over clear coats, such as Nissan Liquid or Spray Wax. Your INFINITI dealer can assist you in choosing the proper product.

- Wax your vehicle only after a thorough washing. Follow the instructions supplied with the wax.
- Do not use a wax containing any abrasives, cutting compounds or cleaners that may damage the vehicle finish.

APPEARANCE AND INTERIOR CARE

- If the surface does not polish easily, use a "traffic film" remover and wax again.

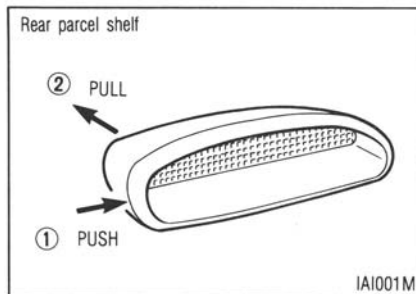
Removing spots

Remove tar and oil spots, industrial dust, insects, and tree sap as quickly as possible from the paint surface to avoid lasting damage or staining. Special cleaning products are available at your INFINITI dealer or automotive accessory store.

Underbody

In areas where road salt is used in winter, the underbody must be cleaned regularly. This will prevent dirt and salt from building up and causing underbody and suspension corrosion. Before the winter period and again in the spring, the underseal must be checked and, if necessary, re-treated.

Cleaning glass



Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for interior glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

CAUTION:

When cleaning the inside of the window, do not use sharp-edged tools,

abrasive cleaners or chlorine based disinfectant cleaners. They could damage electrical conductors or rear window defogger elements.

Cleaning alloy wheels

Wash regularly, especially during winter months in areas where road salt is used. Salt could discolor the wheel if not removed. INFINITI recommends that wheels be waxed in order to maintain their new appearance.

Chrome parts

Clean chrome parts regularly with a non-abrasive chrome polish to maintain the finish.

Plastic parts

Plastic parts may be cleaned with a mild soap solution. If the dirt cannot be easily removed, use a plastic cleaner. Do not use solvents.

APPEARANCE AND INTERIOR CARE

Cleaning interior

Occasionally remove loose dust from the interior trim and seats using a vacuum cleaner or soft brush.

When interior trim or seats are stained, clean immediately as follows:

- Wipe clean using a clean, soft damp cloth and a neutral detergent. Wipe off all traces of the detergent with another clean soft damp cloth, finishing with a soft dry cloth.
- If the above method does not remove the stains, etc., rub the affected area using a soft wet brush and a neutral detergent. Wipe off all traces of the detergent with a clean soft damp cloth, finishing with a soft dry cloth.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

INFINITI offers vinyl and leather cleaner for more difficult stains or soiled surfaces. See your dealer for assistance in choosing the proper product.

CAUTION:

- ***Never use benzine, thinner, or any similar solvents.***

Wool moquette material

Quality wool moquette is used for the seat cover, door trim, door armrest and headrest. The moquette seat cover may become partially glazed if exposed to heat or humidity due to the pile being laid flat.

1. Spray water to moisten the glazed portion of the moquette seat cover. (Use of steam is allowed.)
2. Brush the glazed moquette so that the

flattened pile of the moquette is raised up allowing moisture to penetrate down to the roots.

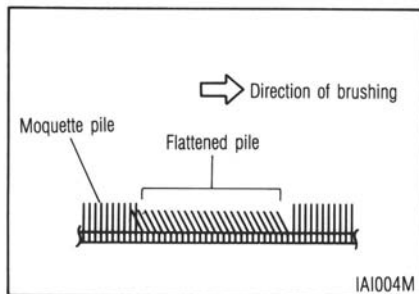
3. As the moquette pile is raised, wipe off any moisture lightly using a dry soft cloth. (A heat gun may be used for drying.)

WARNING:

- ***Never touch the heating element or hot air outlet of the heat gun as this may cause scalding.***

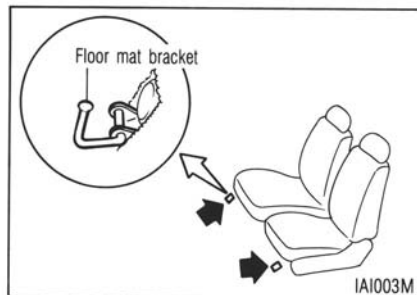
- Make sure that the moquette has been thoroughly dried after repairing the glazed portion.

APPEARANCE AND INTERIOR CARE



Prolonged exposure to heavy sunlight may cause the moquette to be discolored. Be sure to park your vehicle in the shade, particularly in hotter climate.

Floor mat positioning aid



Your INFINITI model includes floor mat brackets to act as a floor mat positioning aid. Position the mat and place the floor mat bracket hook through the floor mat grommet hole. Repeat this procedure for both the driver side and front passenger side floor mats.

Periodically check to make certain that the mats are properly positioned.

Floor mats

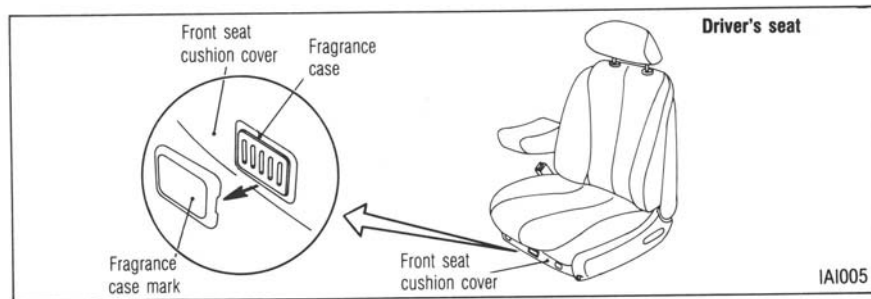
The use of Genuine INFINITI floor mats can extend the life of your vehicle carpet and make it easier to clean the interior. No matter what mats are used, be sure they are fitted for your vehicle and are properly positioned in the footwell to prevent interference with pedal operation. Mats should be maintained with regular cleaning and replaced if they become excessively worn.

Seat belts

The seat belts can be cleaned by wiping them with a sponge dampened in a mild soap solution. Allow the belts to dry completely before using them. Do not allow wet belts to roll up in the retractor. NEVER use bleach, dye, or chemical solvents since these may severely weaken the seat belt webbing.

APPEARANCE AND INTERIOR CARE

Fragrance unit



The fragrance unit is located at the front edge of the driver's seat. It may be activated by removing the fragrance case mask. Replace the cover to de-activate. To keep it effective, the fragrance unit should be replaced. Contact your INFINITI dealer for a replacement part.

PROTECTING AGAINST CORROSION

Most common factors contributing to vehicle corrosion:

1. The accumulation of moisture-retaining dirt and debris in body panel sections, cavities, and other areas.
2. Damage to paint and other protective coatings caused by gravel and stone chips or

minor traffic accidents.

Environmental factors influence the rate of corrosion:

Moisture

Accumulation of sand, dirt and water on the vehicle body underside can accelerate corrosion. Wet floor coverings will not dry completely inside the vehicle, and should be removed for drying to avoid floor panel corrosion.

Relative humidity

Corrosion will be accelerated in areas of high relative humidity, especially those areas where the temperatures stay above freezing, where atmospheric pollution exists or road salt is used.

Temperature

A temperature increase will accelerate the rate of corrosion to those parts which are not well ventilated.

APPEARANCE AND INTERIOR CARE

Air pollution

Industrial pollution, the presence of salt in the air in coastal areas, or heavy road salt use will accelerate the corrosion process. Road salt will also accelerate the disintegration of paint surfaces.

To protect your vehicle from corrosion:

- Wash your vehicle often to keep the vehicle clean.
- Always check for minor damage to the paint and repair it as soon as possible.
- Keep drain holes at the bottom of the doors open to avoid water accumulation.
- Check the underbody for accumulation of

sand, dirt or salt. If present, wash with water as soon as possible.

- **NEVER remove dirt, sand or other debris from the passenger compartment by washing it out with a hose. Remove dirt with a vacuum cleaner or broom.**
- **Never allow water or other liquids to come in contact with electronic components inside the vehicle.**
- **See your INFINITI dealer for assistance.**

7 DO-IT-YOURSELF

Precautions	7-2	Spark plug replacement.....	7-15
Check locations in engine compartment.....	7-3	Air cleaner filter	7-15
Engine cooling system	7-4	Wiper blade	7-16
Engine oil	7-6	Parking brake	7-17
Automatic transmission fluid	7-9	Brake pedal	7-17
Power steering fluid.....	7-10	Brake booster	7-18
Full-active suspension fluid.....	7-11	Fuses	7-18
Brake fluid.....	7-12	Fusible links	7-19
Window washer fluid	7-13	Light bulbs	7-20
Battery	7-13	Wheels and tires	7-27
Drive belts	7-14		

DO-IT-YOURSELF

PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. Move the shift lever to neutral ("N").**
- **Do not work under the hood while the engine is hot. Turn off the engine and wait until it cools down.**
- **Be sure to turn the ignition key to the "OFF" or "LOCK" position.**
- **If you must work with the engine running, keep your hands, clothing, hair and tools away from moving fans, belts and any other moving parts.**

- **It is advisable to remove ties and any jewelry, such as rings, watches, etc. before working on your vehicle.**
- **If you must run the engine in an enclosed space such as a garage, be sure there is proper ventilation for exhaust gases.**
- **Never get under the vehicle while it is supported only by a jack. If it is necessary to work under the vehicle, support it with safety stands.**
- **Keep smoking materials, flame and sparks away from fuel and battery.**
- **Never connect or disconnect either the battery or any transistorized component connector while the ignition is on.**
- **The fuel filter or fuel lines should be serviced by a INFINITI dealer because the fuel lines are under high pressure even when the engine is off.**

- **Failure to follow these or other common sense guidelines may lead to serious injury or vehicle damage.**

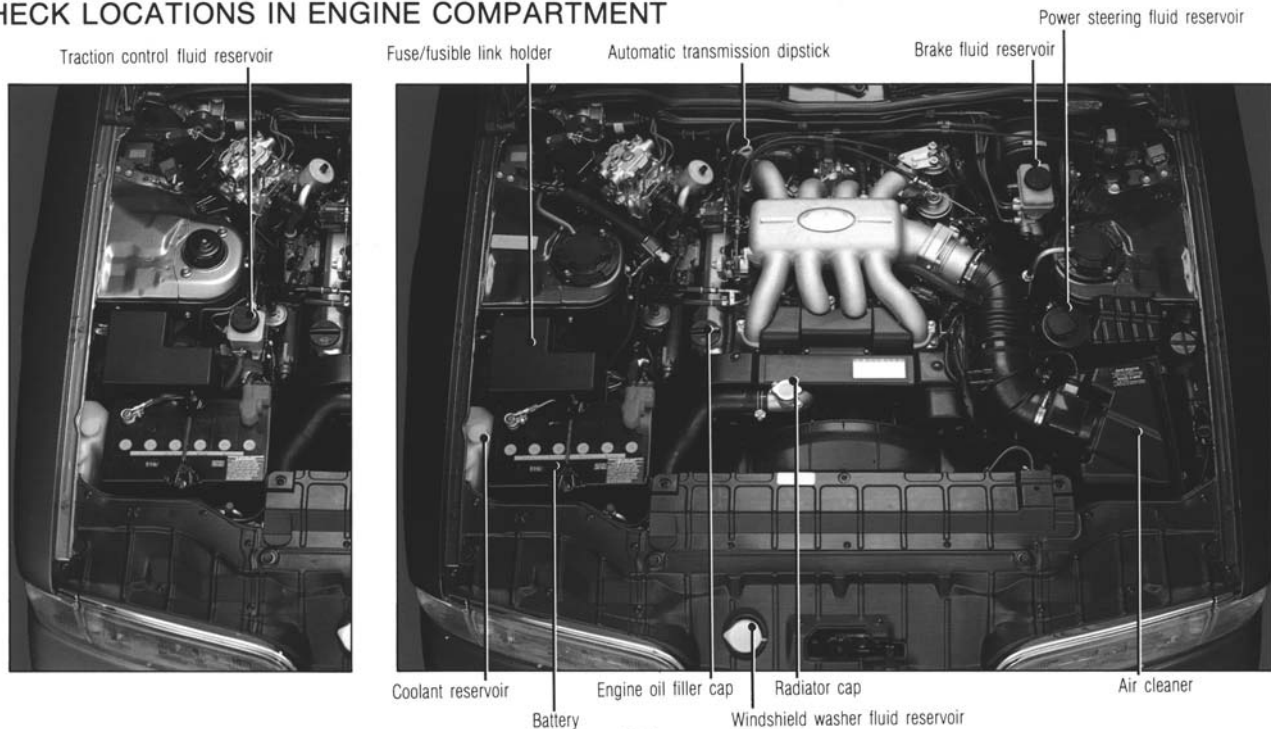
This "Do-it-yourself" section gives instructions regarding only those items which are relatively easy for owners to perform. More involved service should be performed by your INFINITI dealer.

You should be aware that incomplete or improper servicing may result in operating difficulties or excessive emissions, and could affect your warranty coverage. **If in doubt about any servicing, have it done by your INFINITI dealer.**

- Improperly disposed of motor oil and/or other vehicle fluids can hurt the environment. Always conform to local regulations for disposal of vehicle fluids.

DO-IT-YOURSELF

CHECK LOCATIONS IN ENGINE COMPARTMENT



DO-IT-YOURSELF

ENGINE COOLING SYSTEM

The engine cooling system is filled at the factory with a high-quality, year-round, anti-freeze coolant solution. The anti-freeze solution contains rust and corrosion inhibitors, therefore additional cooling system additives are not necessary.

CAUTION:

When adding or replacing coolant, use only an ethylene glycol anti-freeze with the proper mixture ratio. Examples are shown below:

Outside temperature down to		Anti-freeze	Soft water
°C	°F		
-15	5	30	70
-35	-30	50	50

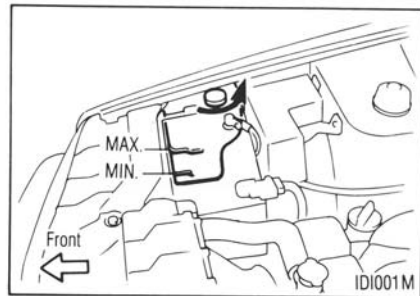
The use of other types of coolant solutions may damage your cooling system.

The radiator is equipped with a pressure cap. Use a genuine cap or its equivalent when replacement is required.

Never remove the radiator cap when the engine is hot. Serious burns could be caused by high pressure fluid escaping from the radiator.

Wait until the engine and radiator cool down. See precautions in "If your vehicle overheats" found in the "In case of emergency" section.

CHECKING ENGINE COOLANT LEVEL



Check the coolant level in the reservoir tank when the engine is cold. If the coolant level is below "MIN", add coolant up to the "MAX" level. If the reservoir tank is empty, check the coolant level in the radiator **when the engine is cold**. If there is insufficient coolant in the radiator, fill the radiator with coolant up to the filler opening and also add it to the reservoir tank up to the "MAX" level.

DO-IT-YOURSELF

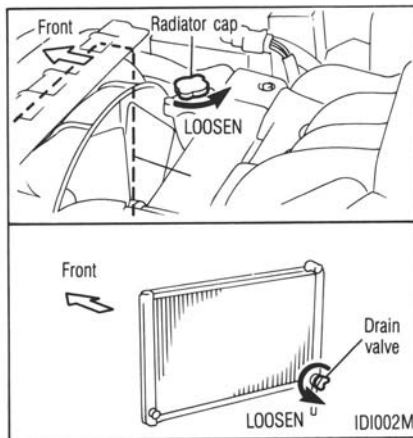
If the cooling system requires coolant frequently, have it checked by your INFINITI dealer.

CHANGING ENGINE COOLANT

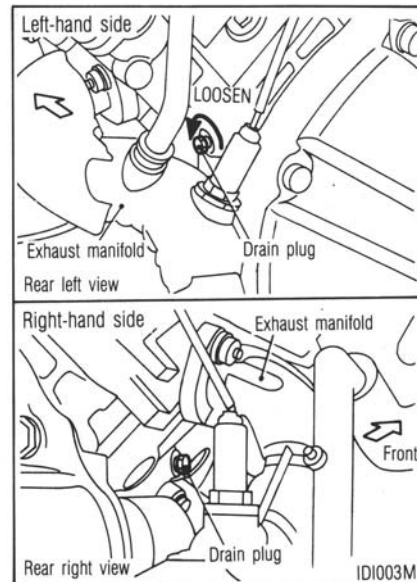
WARNING:

To avoid the danger of being scalded, never change the coolant when the engine is hot.

1. Move the heater or air conditioner temperature control to the maximum hot position. On the automatic air conditioner, position the vehicle in the shade and set the temperature set switch to the maximum hot temperature after turning the ignition key to the "ON" position.



2. Open the radiator cap and drain valve.
Open the drain plugs on the engine block.



3. Flush the cooling system by running fresh water through the radiator.

DO-IT-YOURSELF

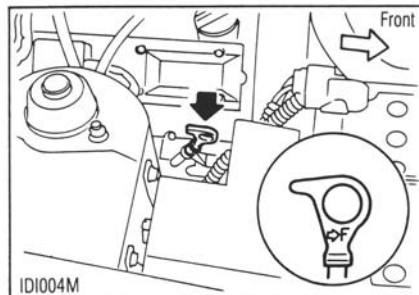
4. Close the drain valve and drain plug securely.
5. See the "Technical information" section for cooling system capacity. Fill the radiator slowly with the proper mixture of coolant and water. Fill the reservoir tank up to the "MAX" level. Then install the radiator cap.
6. Start the engine, and warm it up. Then race the engine 2 or 3 times under no load. Watch the coolant temperature gauge for signs of overheating.
7. Stop the engine. **After it completely cools down**, refill the radiator up to the filler opening. Fill the reservoir tank up to the "MAX" level.
8. Check the drain valve and drain plug for leakage.

ENGINE OIL

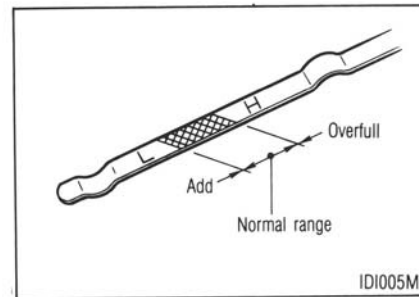
CHECKING ENGINE OIL LEVEL

When reinserting the dipstick, set the direction marker " → F " to the front of the vehicle.

1. Park the vehicle on a level surface and apply parking brake.
2. Run the engine until it reaches operating temperature.
3. Turn off the engine. **Wait a few minutes for the oil to drain back into the oil pan.**



4. Remove the dipstick and wipe it clean. Reinsert it all the way.



DO-IT-YOURSELF

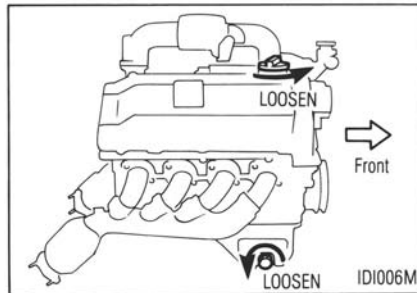
5. Remove the dipstick again and check the oil level. It should be between the "H" and "L" marks. If the oil level is below the "L" mark, remove the oil filler cap and pour recommended oil through the opening. **Do not overfill.**
6. Recheck oil level with dipstick.

CAUTION:

- *The oil level should be checked regularly. Operating with insufficient amount of oil can damage the engine, and such damage is not covered by warranty.*
- *It is normal to add some oil between oil maintenance intervals or during the break-in period, depending on the severity of operating conditions.*

CHANGING ENGINE OIL

1. Park the vehicle on a level surface and apply the parking brake.
2. Run the engine until it reaches operating temperature, and then turn it off.
3. Place a large drain pan under the drain plug.



4. Remove the oil filler cap.
5. Remove the drain plug with a wrench and completely drain the oil.

If the oil filter is to be changed, remove and

replace it at this time. See "Changing oil filter".

WARNING:

Be careful not to burn yourself. The engine oil is hot.

6. Clean and re-install the drain plug and washer. Tighten the drain plug with a wrench.

Drain plug tightening torque:

**22 to 29 ft-lb
(29 to 39 N·m)**

Do not use excessive force.

7. Refill the engine with recommended oil and install the cap securely.

See the "Technical information" section for oil type and refill capacity.

8. Start the engine.

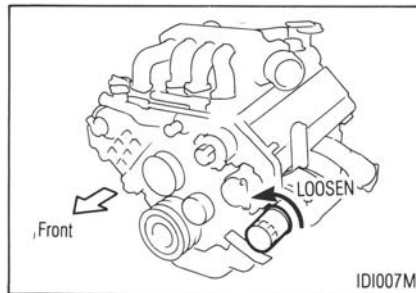
DO-IT-YOURSELF

Check for leakage around the drain plug. Correct as required.

- Turn the engine off and wait several minutes. Check the oil level. Add engine oil if necessary.
- Dispose of waste oil in the proper manner.

CHANGING ENGINE OIL FILTER

- Park the vehicle on a level surface and apply the parking brake.
- Turn the engine off.



- Loosen the oil filter with an oil filter wrench. (Depending on the engine model, a special **cap type** wrench may be required. See your INFINITI dealer if in doubt.) Remove the oil filter by turning it by hand.

WARNING:

Be careful not to burn yourself, as the engine oil may be hot.

CAUTION:

- Waste oil must be disposed of properly. Check your local regulations.***

- Wipe the engine oil filter mounting surface with a clean rag.

Be sure to remove any old rubber gasket remaining on the mounting surface of the engine.

- Coat the rubber gasket on the new filter with clean engine oil.
- Screw in the oil filter until a slight resistance is felt, then tighten additionally more than 2/3 turn.

DO-IT-YOURSELF

7. Start the engine and check for leakage around the oil filter. Correct as required.
8. Turn the engine off and wait several minutes. Check the oil level. Add engine oil if necessary.

AUTOMATIC TRANSMISSION FLUID

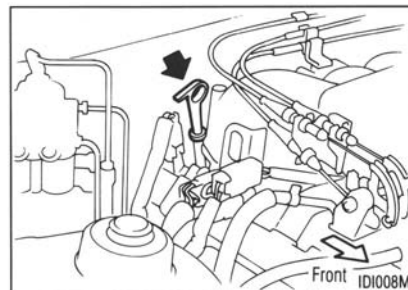
WARNING:

When the engine is running, keep hands and clothing away from any moving parts such as fan drive belt.

TEMPERATURE CONDITIONS FOR CHECKING

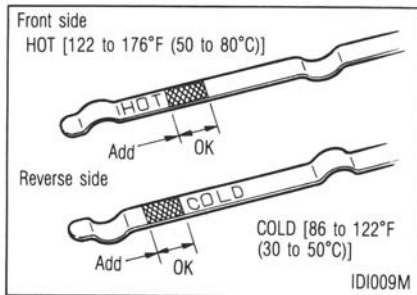
- The fluid level should be checked using the "HOT" range on the dipstick after the following conditions have been met:

- The engine should be warmed up to operating temperature.
- The vehicle should be driven for at least 5 minutes.
- The automatic transmission fluid should be warmed to between 122 and 176°F (50 to 80°C).
- The fluid can be checked at fluid temperatures of 86 to 122°F (30 to 50°C) using the "COLD" range on the dipstick after the engine is warmed up and before driving. However, the fluid should be re-checked using the "HOT" range.



1. Park the vehicle on a level surface and set the parking brake.
2. Start the engine and then move the selector lever through each gear range ending in "P".
3. Check the fluid level with the engine idling.
4. Remove the dipstick and wipe it clean with lint-free paper.
5. Reinsert the dipstick into the charging pipe as far as it will go.

DO-IT-YOURSELF

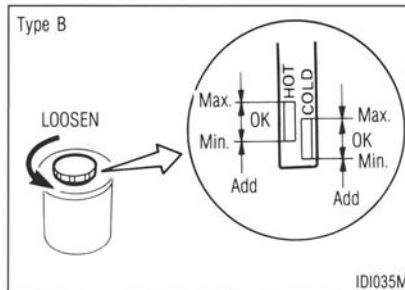
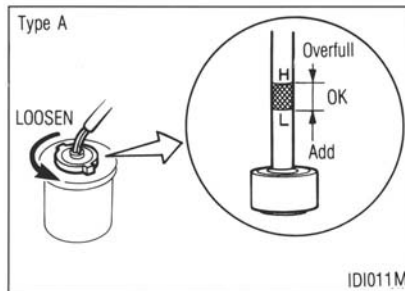


6. Remove the dipstick and note the reading. If the level is at the low side of either range, add fluid to the charging pipe.

DO NOT OVERFILL. USE ONLY DEXRON™ TYPE FLUID.

If the vehicle has been driven for a long time at high speeds, or in city traffic in hot weather, or if it is being used to pull a trailer, the accurate fluid level cannot be read. You should wait until the fluid has cooled down (about 30 minutes).

POWER STEERING FLUID



Type A

Check the fluid level in the reservoir when the engine is cold. If the fluid level is below "L" line, add fluid up to the "H" line. Do not overfill above "H" level.

If the "HICAS" warning light turns on when the ignition is ON, there is a malfunction in the HICAS system or the power steering fluid is low.

Type B

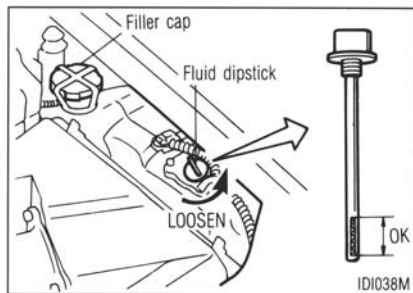
The fluid level should be checked using the "HOT" range on the dipstick at fluid temperature of 122 to 176°F (50 to 80°C) or using the "COLD" range on the dipstick at fluid temperature of 32 to 86°F (0 to 30°C).

CAUTION:

- **Do not overfill.**
- **Recommended fluid is Automatic Transmission Fluid "Dexron™" type.**

DO-IT-YOURSELF

FULL-ACTIVE SUSPENSION FLUID



WARNING:

When engine is running, keep hands and clothing away from any moving parts such as fan drive belt.

TEMPERATURE CONDITIONS FOR CHECKING

- The fluid level should be checked using the dipstick after the following conditions have been met:
 - The engine should be warmed up to operating temperature.
 - The vehicle should be driven for at least 5 minutes.
 - The fluid should be warmed to between 122 and 176°F (50 to 80°C).
- 1. Park the vehicle on a level surface and move the gear shift lever to the "P" position.
- 2. Make sure that the car is only loaded with a spare tire, a jack and tools needed for driving, but no passengers and no load.
- 3. Start the engine and then confirm the height switch is in the "NORMAL" range.
- 4. Remove the dipstick and check the oil level. It should be between the crossed range

mark as illustrated. If the oil level is below the crossed range mark, refill the fluid through the filler opening.

Because the dipstick is a screw-in type, when checking the oil level, screw the dipstick in all the way, then remove and check the amount of oil.

When filling the oil, the proper amount of oil is at the maximum level indicator on the dipstick.

5. After inspection, stop the engine.

CAUTION:

- ***Use only genuine "Fluid A-Active Suspension".***

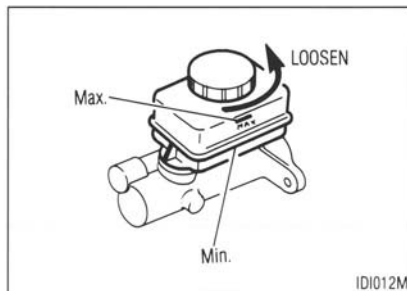
The Full-Active Suspension system operates under high pressure, with quick response of fluid flow. In order that the system may operate reliably, fluid condition must remain stable in any conditions of weather

DO-IT-YOURSELF

or temperature. Therefore, fluid quality is very important in this system. Use of any fluid other than that recommended above (such as shock absorber oils, A.T.F. or power steering fluid) may damage the seals in the suspension system or modify the quick response of fluid flow in the system.

- Do not overfill.
- If oil is spilled, wipe it off with a rag.

BRAKE FLUID



Check the fluid level in the reservoir. If the fluid is below the Min. line or the brake warning light comes on, add **DOT 3** fluid up to the Max. line. If fluid must be added frequently, the system should be thoroughly checked by your INFINITI dealer.

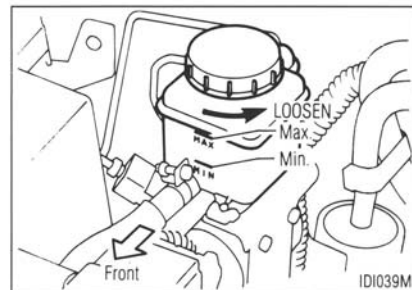
CAUTION:

- Use only new fluid. Old, inferior, or contaminated fluid may damage the

brake system. The use of improper fluids can damage the brake system and affect the vehicle's stopping ability.

- Do not spill the fluid on painted surfaces. This will damage the paint. If fluid is spilled, wash with mild soap and water immediately.

TRACTION CONTROL SYSTEM FLUID



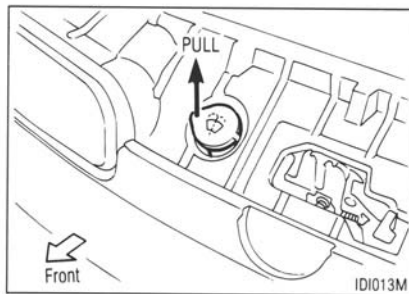
DO-IT-YOURSELF

Check the fluid level in the reservoir. If the fluid is below the Min. line, the system should be thoroughly checked by your INFINITI dealer.

CAUTION:

- *Use only new fluid. Old, inferior, or contaminated fluid may damage the traction control system. The use of improper fluids can damage the traction control system.*
- *Do not spill the fluid on painted surfaces. This will damage the paint. If fluid is spilled, wash with mild soap and water immediately.*

WINDOW WASHER FLUID



Add fluid when the low washer fluid warning is displayed. Add a washer solvent, such as "Nissan Windshield Washer Concentrate", to the water for better cleaning. In the winter season, add a windshield washer anti-freeze. Follow the manufacturer's instructions for the mixture ratio.

CAUTION:

Do not substitute engine anti-freeze

coolant for window washer solution. This may result in damage to the paint.

BATTERY

- Keep the battery surface clean and dry. Any corrosion should be washed off with a solution of baking soda and water.
- Make certain the terminal connections are clean and securely tightened.
- If the vehicle is not to be used for 30 days or longer, disconnect the "—" negative battery terminal cable to prevent discharge.

WARNING:

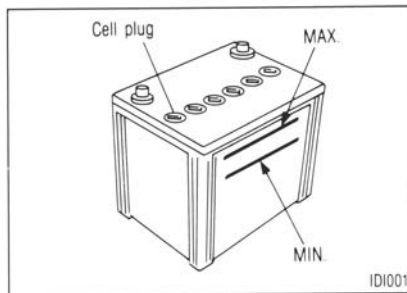
Do not expose the battery to flames or electrical sparks. Hydrogen gas generated by battery action is explosive. Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces.

DO-IT-YOURSELF

After touching a battery or battery cap, do not touch or rub your eyes. Thoroughly wash your hands. If the acid contacts your eyes, skin or clothing, immediately flush with water for at least 15 minutes and seek medical attention.

Check the fluid level in each cell. It should be between the MAX. and MIN. lines.

If it is necessary to add fluid, add only distilled water to bring the level to the indicator in each filler opening. **Do not overfill.**



1. Remove the cell plugs.
2. Add distilled water up to the MAX. level.
3. Install cell plugs.

JUMP STARTING

If jump starting is necessary, see the "In case of emergency" section. If the engine does not start by jump starting, the battery may have to be replaced. Contact your INFINITI dealer.

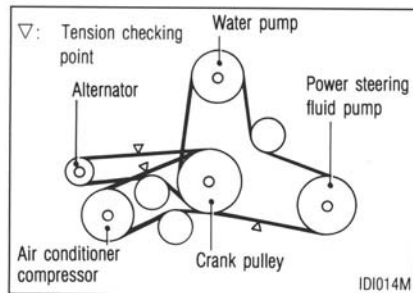
DRIVE BELTS

WARNING:

Be sure the ignition key is "OFF".

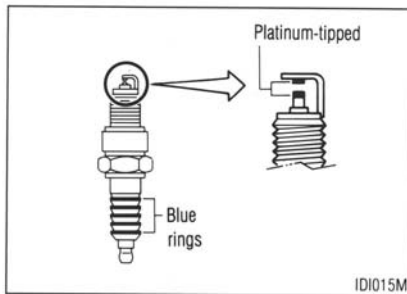
1. Visually inspect each belt for signs of unusual wear, cuts, fraying or looseness. If the belt is in poor condition or loose, have it replaced or adjusted by your INFINITI dealer.

DO-IT-YOURSELF



2. Have the belts checked regularly for condition and tension in accordance with the maintenance schedule in this manual.

SPARK PLUG REPLACEMENT



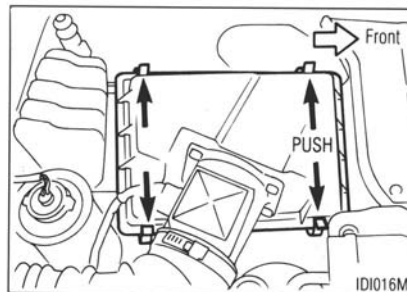
Platinum-tipped spark plug

It is not necessary to replace the platinum-tipped spark plugs as frequently as the conventional type spark plugs since they will last much longer. Follow the maintenance schedule but, do not reuse them by cleaning or regapping. Blue rings on the ceramic portion indicate that the plugs are platinum-tipped type.

If replacement is required, see your **INFINITI** dealer for servicing. Always replace spark plugs with recommended or equivalent ones.

AIR CLEANER FILTER

Viscous paper type



The filter element should not be cleaned and reused. Replace it according to the maintenance intervals shown in the "Maintenance" section. When replacing the filter, wipe the inside of the

DO-IT-YOURSELF

air cleaner housing and the cover with a damp cloth.

WIPER BLADE

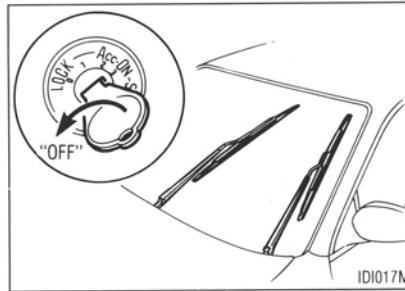
1) CLEANING

If your windshield is not clear after using the windshield washer, or if the wiper blade chatters when running, wax or other material may be on the blade or windshield.

Clean the outside of the windshield with a washer solution or a mild detergent. Your windshield is clean if beads do not form when rinsing with clear water.

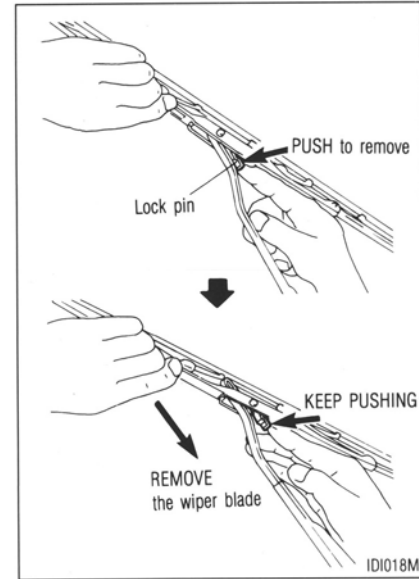
Clean the blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Then rinse the blade with clear water. If your windshield is still not clear after cleaning the blades and using the wiper, replace the blades.

2) REPLACEMENT



1. Turn the ignition switch and the windshield wiper switch on. Turn the ignition switch off when the wiper is in the fully up position. The wiper will stop as illustrated.

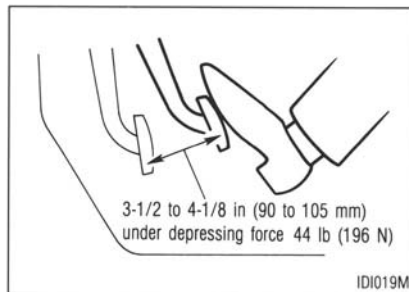
The wiper should be in the fully up position to avoid scratching the engine hood or wiper arm.



DO-IT-YOURSELF

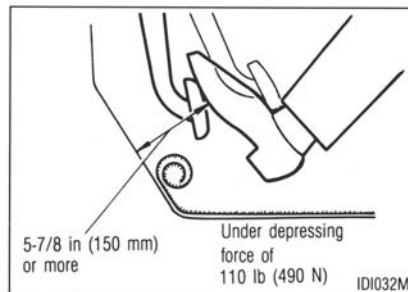
2. Pull the wiper arm.
3. Push the lock pin, then remove the wiper blade.
4. Insert the new wiper blade onto the wiper arm until a click sounds.

PARKING BRAKE



From the released position, depress the parking brake pedal slowly and firmly, and check the distance between the initial and final position of the pedal. If it is out of the range shown above, see your INFINITI dealer.

BRAKE PEDAL



With the engine running, check the distance between the upper surface of the pedal and the metal floor. If it is out of the range shown above, see your INFINITI dealer.

WARNING:

See your INFINITI dealer and have it checked if the brake pedal height does not return to normal.

DO-IT-YOURSELF

BRAKE BOOSTER

Check the brake booster function as follows:

1. With the engine off, depress the brake pedal several times to make sure that the pedal travel distance does not change.
2. While depressing the brake pedal, start the engine. The pedal height should drop a little.
3. With the brake pedal depressed, stop the engine. Keeping the pedal depressed for about 30 seconds, the pedal height should not change.
4. Run the engine for one minute without depressing the brake pedal, then turn it off. Depress the brake pedal several times. The pedal travel distance will decrease gradually with each depression as the vacuum is released from the booster.

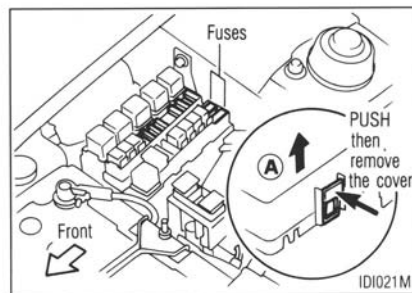
If the brakes do not operate properly, see your INFINITI dealer.

FUSES

Engine compartment

If the electrical equipment does not operate, check for a burned-out fuse.

1. Open the engine hood.



2. Remove the fusible link cover (A).
3. Remove the fuse with the fuse puller.

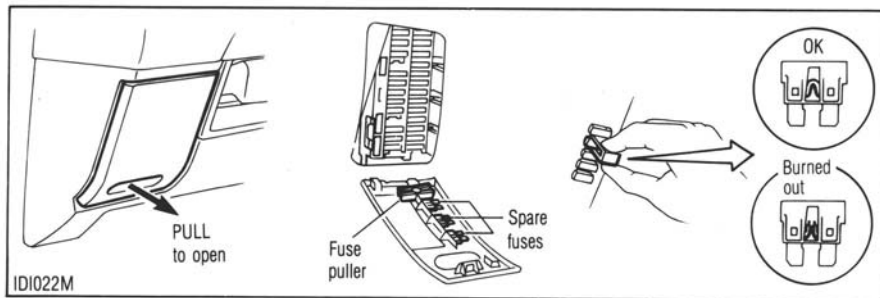
The fuse puller and spare fuses are provided in the fuse box cover which is part of the left lower portion of the instrument panel.

4. If the fuse is burned out, replace it with a new fuse.

Never use a fuse of higher amperage rating than that specified on the fuse box cover.

5. If a new fuse burns out again, have the electrical system checked and repaired by your INFINITI dealer.

DO-IT-YOURSELF



Passenger compartment

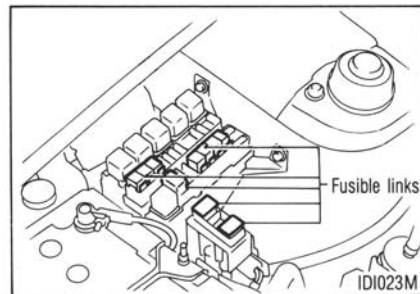
If the electrical equipment does not operate, check for a burned-out fuse.

1. Open the fuse box cover.
2. Remove the fuse with the fuse puller.
3. If the fuse is burned, replace it with a new fuse.

Never use a fuse of higher amperage rating than that specified on the fuse box cover.

4. If a new fuse burns again, have the electrical system checked and repaired by your INFINITI dealer.

FUSIBLE LINKS



If the electrical equipment does not operate and fuses are in good condition, check the fusible links. If any of these fusible links are melted, replace only with genuine parts. See your INFINITI dealer.

DO-IT-YOURSELF

LIGHT BULBS

HEADLIGHTS

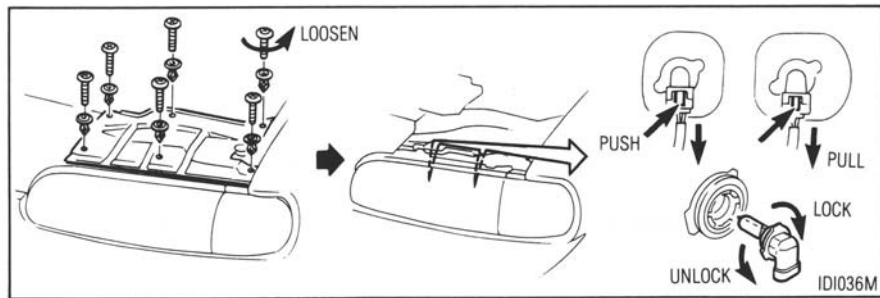
The headlight is a semi-sealed beam type which uses a replaceable headlight (halogen) bulb. A bulb can be replaced from inside the engine compartment without removing the headlight assembly.

CAUTION:

High pressure halogen gas is sealed inside the halogen bulb. The bulb may break if the glass envelope is scratched or the bulb is dropped.

Hold the plastic base when handling the bulb. Never touch the glass envelope.

Removing the headlight bulb



1. Disconnect the battery negative cable.
2. Remove the cover.
3. Disconnect the electrical connector from the rear end of the bulb.
4. Turn the plastic base counterclockwise until it is free from the headlight reflector, then remove it.
5. Remove the headlight bulb. Do not shake or rotate the bulb when removing it.

Replacing the headlight bulb

1. Insert the bulb into the headlight reflector with the plastic base facing downward and turn it clockwise until it stops.
2. Push the electrical connector into the bulb plastic base until it snaps and stops.
3. Reinstall the cover and fasten with the clips.

DO-IT-YOURSELF

CAUTION:

DO NOT TOUCH THE BULB.

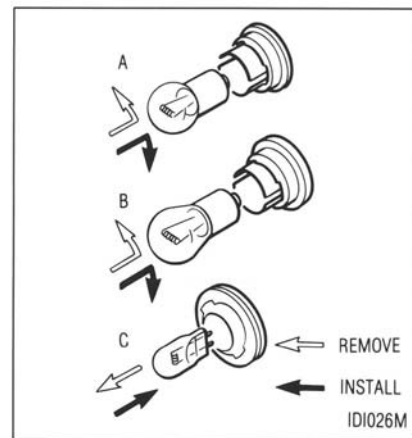
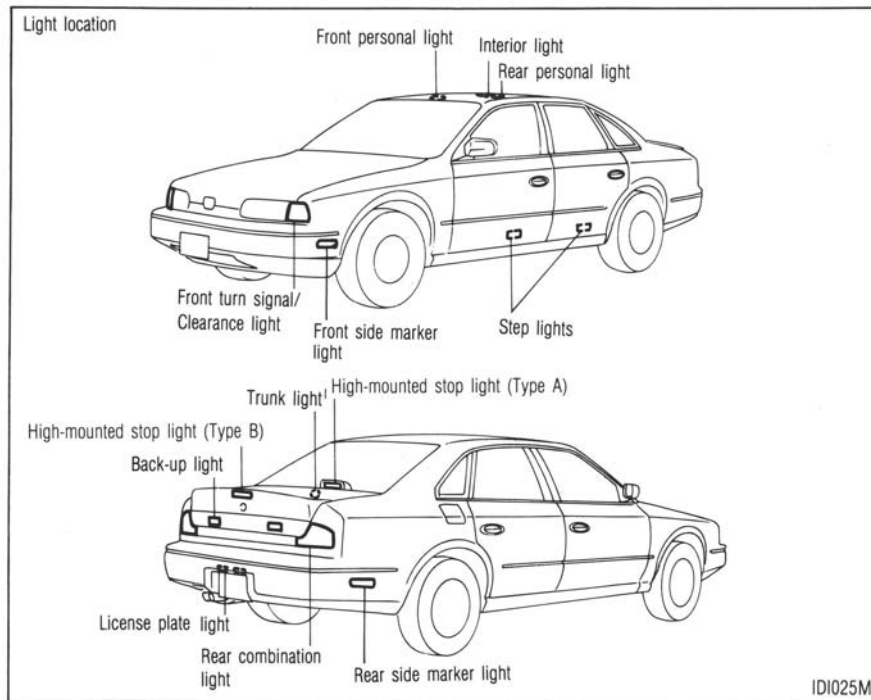
- Use the same number and wattage as originally installed:

	Inside (High beam)	Outside (Low beam)
Wattage (W)	65	55
Bulb no.	9005	9006

OTHER LIGHTS

Item	Wattage (W)	Bulb No.
Front combination light		
Turn signal/clearance	27/8	1157NA
Front side marker light	5	217
Rear combination light		
Turn signal	27	1156
Stop/tail	27/8	1157
Back-up light	27	1156
License plate light	5	217
Rear side marker light	3.8	194
High-mounted stop light	18	921
Interior light	10	
Front personal light	10	
Rear personal light	8	
Vanity mirror light	1.8	
Step light	3.4	
Foot light	3.4	
Trunk light	3.4	

DO-IT-YOURSELF

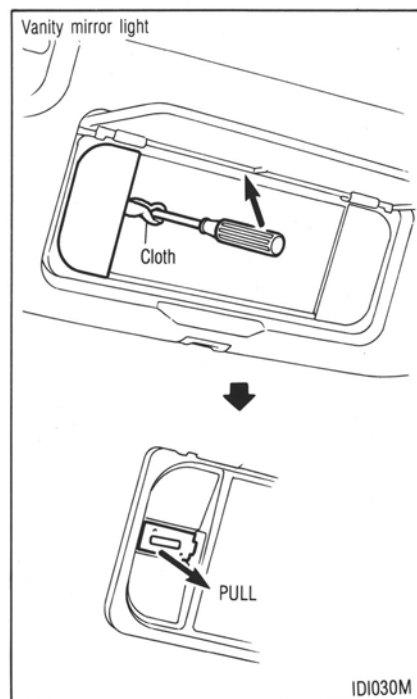
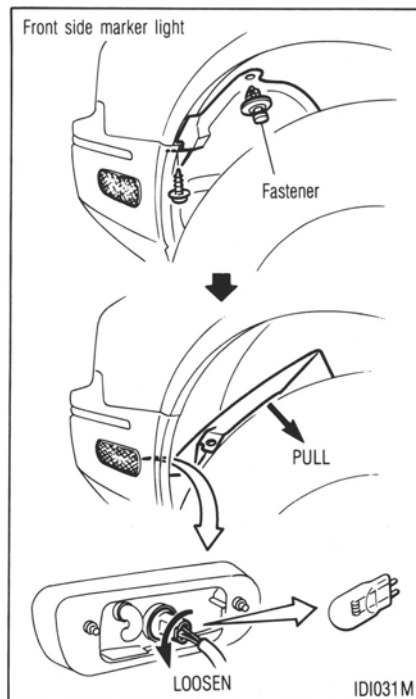
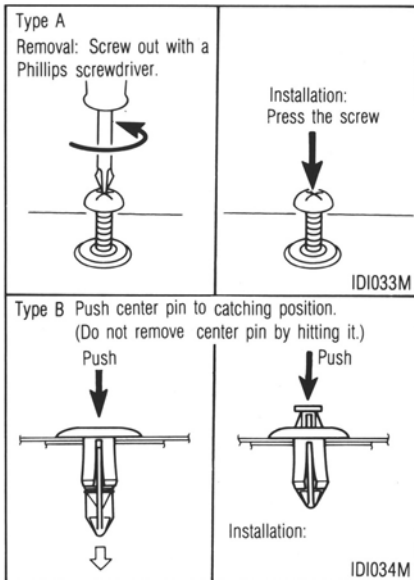


Replacement procedures

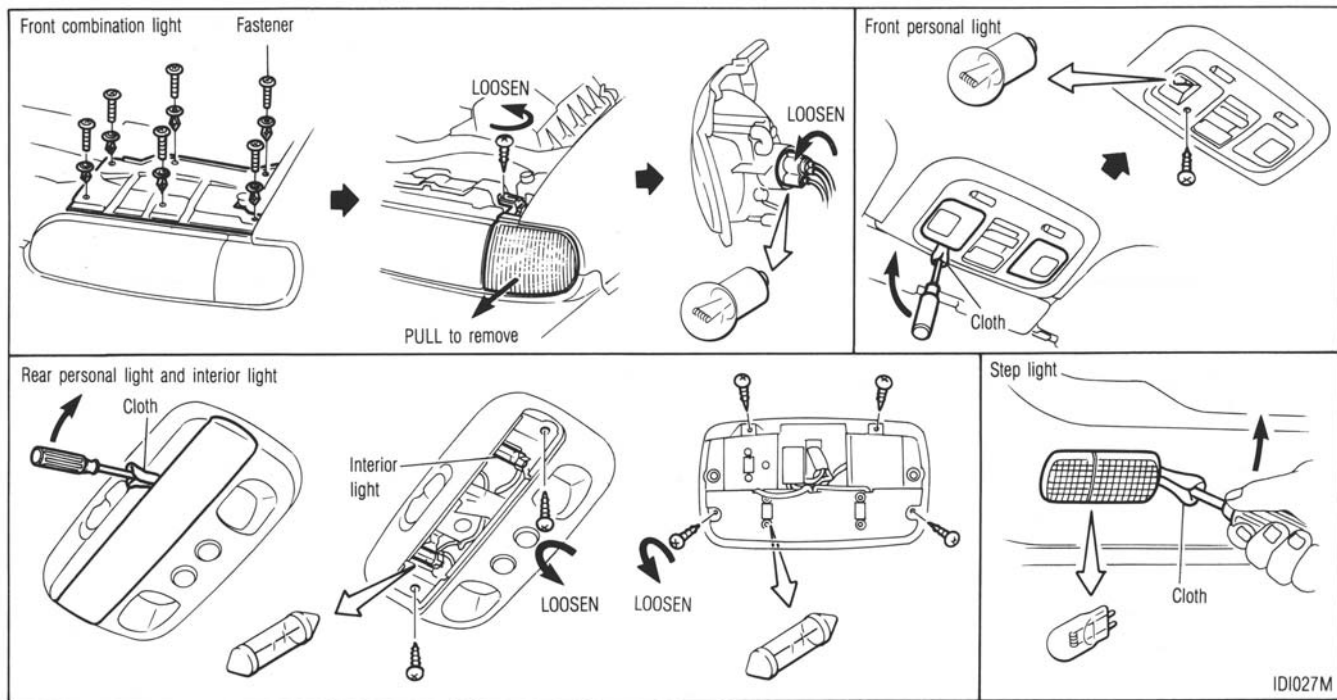
All other lights are either type A, B or C. When replacing a bulb, first remove the lens and/or cover.

DO-IT-YOURSELF

Removal and installation of fasteners



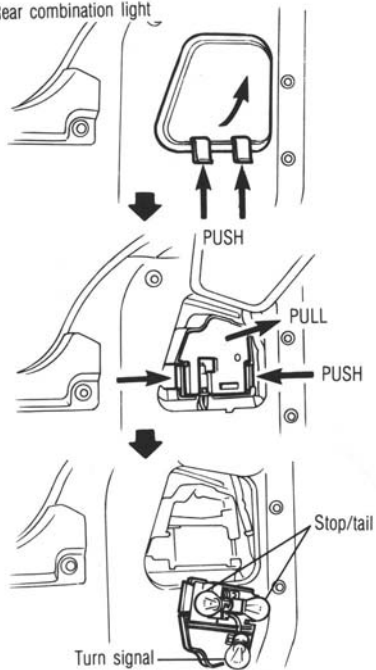
DO-IT-YOURSELF



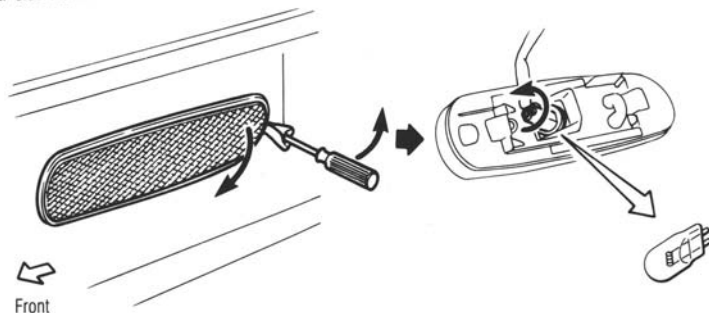
ID1027M

DO-IT-YOURSELF

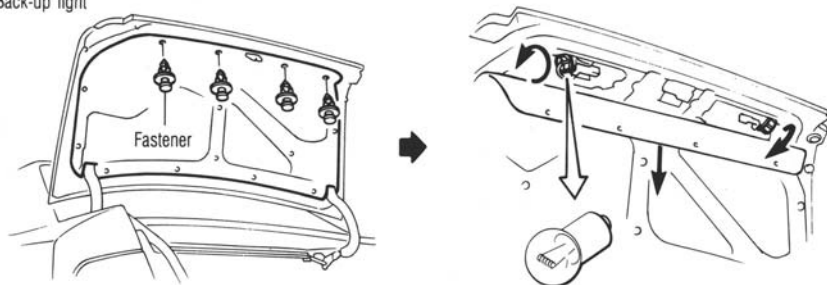
Rear combination light



Rear side marker



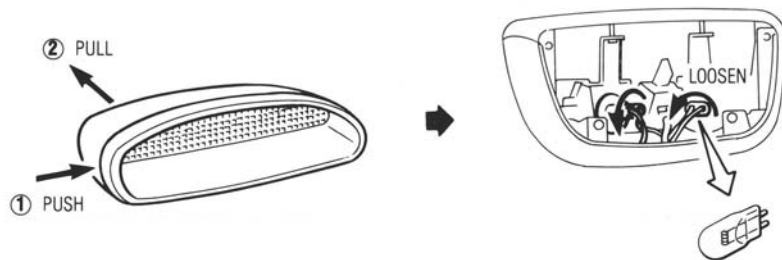
Back-up light



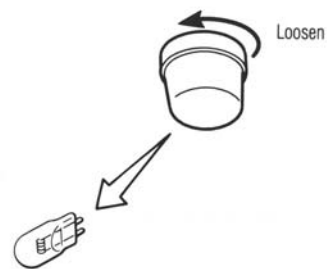
ID1027M

DO-IT-YOURSELF

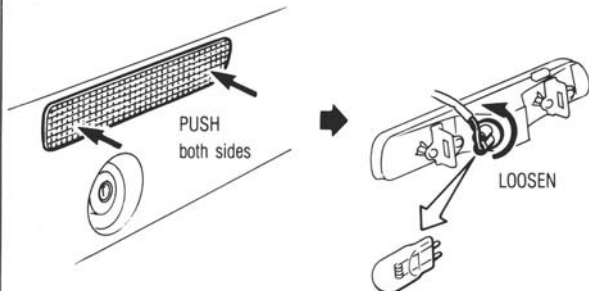
High-mounted stop light (Type A)



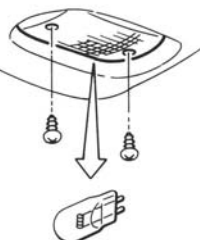
Trunk light



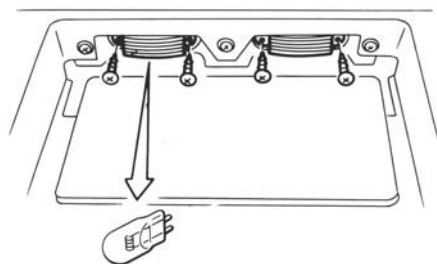
High-mounted stop light (Type B)



Foot light



License plate light



ID1072

DO-IT-YOURSELF

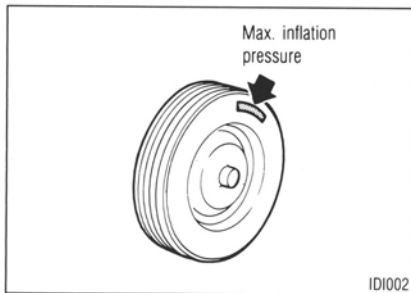
WHEELS AND TIRES

Maximum inflation pressure

Flat tire

If you have a flat tire, see “In case of emergency” section.

Do not exceed the maximum inflation pressures shown on the side wall of the tire.



Tire inflation pressure

Periodically check the tire pressure (including

spare). Incorrect tire pressure may adversely affect tire life and vehicle handling. Tire pressure should be checked when the tires are COLD. Tires are considered COLD after the vehicle has been parked for three or more hours, or driven less than 1 mile (1.6 km). COLD tire pressures are shown on the tire placard located on the front face of the rear left wheel housing inside the vehicle.

CAUTION:

The vehicle weight capacity is indicated on the tire placard. Do not load your vehicle beyond this capacity. Overloading your vehicle may result in reduced tire life, unsafe operating conditions due to premature tire failure, or unfavorable handling characteristics and could also lead to a serious accident. Loading beyond the specified capacity may also result in failure of other

vehicle components.

Before taking a long trip, or whenever you have loaded your vehicle heavily, use a tire pressure gauge to ensure that the tire pressure is at the specified level.

Do not drive your vehicle over 85 MPH (140 km/h) unless it is equipped with high speed capability tires. Driving faster than 85 MPH (140 km/h) may result in tire failure, loss of control and possible injury.

Types of tires

CAUTION:

When changing or replacing tires, be sure all four tires are of the same type (i.e., Summer, All Season or Snow) and

DO-IT-YOURSELF

construction. Your INFINITI dealer may be able to help you with information about tire type, size, speed rating and availability. Replacement tires may have a lower speed rating than the factory equipped tires, and may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tire.

All season tires

INFINITI specifies All Season tires on some models to provide good performance for use all year around, including snowy and icy road conditions. All Season Tires are identified by "ALL SEASON" and/or "M&S" on the tire sidewall. Snow tires have better snow traction than All Season tires and may be more appropriate in some areas.

Summer tires

INFINITI specifies summer tires on some models to provide superior performance on dry roads. Summer tire performance in snow and ice will be substantially reduced. Summer tires do not have the tire traction rating "M&S" on the tire sidewall.

If you plan to operate your vehicle in snowy or icy conditions, INFINITI recommends the use of "SNOW" or "ALL SEASON" tires on all four wheels.

Snow tires

If snow tires are needed, it is necessary to select tires equivalent in size and load rating to the original equipment tires. If you do not, it can adversely affect the safety and handling of your vehicle.

Generally, snow tires will have lower speed ratings than factory equipped tires and may not match the potential maximum vehicle speed.

Never exceed the maximum speed rating of the tire.

For additional traction on icy roads, studded tires may be used. However, some provinces and states prohibit their use. Check local, state and provincial laws before installing studded tires. Skid and traction capabilities of studded snow tires, on wet or dry surfaces, may be poorer than that of non-studded snow tires.

Tire chains

Use of tire chains is prohibited according to location. Check the local laws before installing tire chains. When installing tire chains, make sure they are of proper size for the tires on your vehicle and are installed according to the chain manufacturer's suggestions. In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

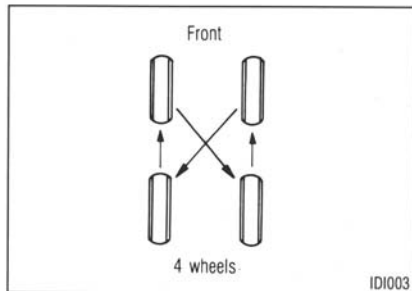
Never install tire chains on a T-type spare tire.

DO-IT-YOURSELF

Tire rotation

INFINITI recommends that tires be rotated every 7,500 miles (12,000 km).

See "Flat tire" in the "In case of emergency" section for tire replacing procedures.



CAUTION:

- **After rotating the tires, adjust the tire pressure.**
- **Retighten the wheel nuts after the aluminum wheels have been run for**

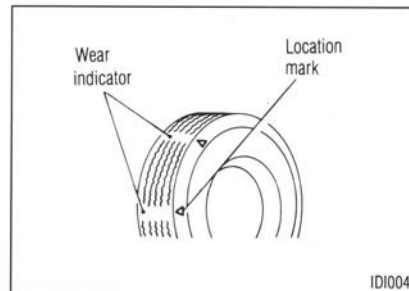
the first 600 miles (1,000 km) every time after installation.

- ***Do not include the T-type spare tire in the tire rotation.***

Tire wear and damage

CAUTION:

Tires should be inspected periodically for wear, cracking, bulging, or objects caught in the tread. If excessive wear, cracks, bulging, or deep cuts are found, the tire should be replaced.



The original tires have a built-in tread wear indicator. When the wear indicator is visible, the tire should be replaced.

Improper service for a T-type spare tire may result in serious personal injury. If it is necessary to repair the T-type spare tire, contact your INFINITI dealer.

Changing tires and wheels

When replacing a tire, use the same size, speed rating and load carrying capacity as originally equipped. Recommended types and sizes are

DO-IT-YOURSELF

shown in "Wheels and Tires" in the "Technical Information" section. The use of tires other than those recommended or the mixed use of tires of different brands, construction (bias, bias-belted or radial), or tread patterns can adversely affect the ride, braking, handling, ground clearance, snow chain clearance, speedometer calibration, headlight aim and bumper height. **Some of these effects may lead to accidents and could result in serious personal injury.**

If the wheels are changed for any reason, always replace with wheels which have the same offset dimension. Wheels of a different offset could cause early tire wear, possibly degraded vehicle handling characteristics and/or interference with the brake discs/drums. Such interference can lead to decreased efficiency and/or early brake pad/shoe wear.

WARNING:

Do not install a deformed wheel or tire even if it has been repaired. Such wheels or tires could have structural damage and could fail without warning.

Wheel balance

Unbalanced wheels may affect vehicle handling and tire life. Even with regular use, wheels can get out of balance. Therefore, they should be balanced as required.

Wheel balance service should be performed with the wheels off the vehicle. Spin balancing the driving wheels on the vehicle could lead to transmission damage.

Care of wheels

- Wash the wheels when washing the vehicle to maintain their appearance.

- Clean the inner side of the wheels when the wheel is changed or the underside of the vehicle is washed.
- Do not use abrasive cleaners when washing the wheels.
- Inspect wheel rims regularly for dents or corrosion. Such damage may cause loss of pressure or poor seal at the tire bead.
- INFINITI recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.

Spare tire (T-type spare tire)

Observe the following precautions if the T-type spare tire must be used, otherwise your vehicle could be damaged or involved in an accident.

DO-IT-YOURSELF

CAUTION:

- *The T-type spare tire should be used only for emergency. It should be replaced by the standard tire at the first opportunity.*

- *Drive carefully while the T-type spare tire is installed.*

Avoid sharp turns and abrupt braking while driving.

- *Periodically check tire inflation pressure, and always keep it at 60 psi (412 kPa).*
- *Do not drive your vehicle at speeds faster than 50 MPH (80 km/h).*
- *Do not use tire chains on a T-type spare tire. Tire chains will not fit properly on the T-type spare tire and may cause damage to the vehicle.*

- *When driving on roads covered with snow or ice, the T-type spare tire should be used on the front and original tire used on the rear wheels (drive wheels). Use tire chains only on the rear two original tires.*

- *Tire tread of the T-type spare tire will wear at a faster rate than the original tire. Replace the T-type spare tire as soon as the tread wear indicators appear.*

- *Because the T-type spare tire is smaller than the original tire, ground clearance is reduced. To avoid damage to the vehicle do not drive over obstacles. Also do not drive the vehicle through an automatic car wash since it may get caught.*

- *Do not use the T-type spare tire on other vehicles.*
- *Do not use more than one T-type spare tire at the same time.*

8 MAINTENANCE

General maintenance	8-3
Periodic maintenance	8-5

MAINTENANCE

Your new INFINITI has been designed to have minimum maintenance requirements with longer service intervals to save you both time and money. However, some day-to-day and regular maintenance is essential to maintain your INFINITI's good mechanical condition, as well as its emission and engine performance.

It is the owner's responsibility to make sure that the specified maintenance, as well as general maintenance, is performed.

As the vehicle owner, you are the only one who can ensure that your vehicle receives the proper maintenance care. You are a vital link in the maintenance chain.

General maintenance

General maintenance includes those items which should be checked during normal day-to-day operation of the vehicle. They are essential if your vehicle is to continue to operate properly. It is your responsibility to perform

these procedures regularly as prescribed.

These checks or inspections can be done by yourself, a qualified technician or, if you prefer, your INFINITI dealer.

Periodic maintenance

The maintenance items listed in this part are required to be serviced at regular intervals.

However, under severe driving conditions, additional or more frequent maintenance will be required.

Where to go for service

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and tuned by an authorized INFINITI dealer.

INFINITI technicians are well-trained specialists and are kept up to date with the latest service information through technical bulletins, service tips, and in-dealership training programs. They

are completely qualified to work on INFINITI vehicles **before** they work on your vehicle, rather than after they have worked on it.

You can be confident that your INFINITI dealer's service department performs the best job to meet the maintenance requirements on your vehicle — in a reliable and economic way.

MAINTENANCE

GENERAL MAINTENANCE

During the normal day-to-day operation of the vehicle, general maintenance should be performed regularly as prescribed in this section. If you detect any unusual sounds, vibrations or smell, be sure to check for the cause or have your INFINITI dealer do it promptly. In addition, you should notify your INFINITI dealer if you think that repairs are required.

When performing any checks or maintenance work, closely observe the precautions in the "Do-it-yourself" section.

Additional information on the following items with "" is found in the "Do-it-yourself" section.

OUTSIDE THE VEHICLE

The maintenance items listed here should be performed from time to time, unless otherwise specified.

Tires* Check the pressure with a gauge periodically, including the spare, and adjust to the specified pressure if necessary. Check carefully for damage, cuts or excessive wear.

Wheel nuts* When checking the tires, make sure no nuts are missing, and check for any loose nuts. Tighten if necessary.

Tire rotation* Tires should be rotated every 7,500 miles (12,000 km).

Wheel alignment and balance If the vehicle should pull to either side while driving on a straight and level road, or if you detect uneven or abnormal tire wear, there may be a need for wheel alignment.

If the steering wheel or seat vibrates at normal highway speeds, wheel balancing may be needed.

Windshield wiper blades* Check for cracks or wear if they do not wipe properly.

Doors and engine hood Check that all doors and the engine hood, operate properly. Also ensure that all latches lock securely. Lubricate hinges and latches if necessary. Make sure that the secondary latch keeps the hood from opening when the primary latch is released.

When driving in areas using road salt or other corrosive materials, check lubrication frequently.

INSIDE THE VEHICLE

The maintenance items listed here should be checked on a regular basis, such as when performing periodic maintenance, cleaning the vehicle, etc.

Lights* Make sure that the headlights, stop lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check headlight aim.

Warning lights and buzzers/chimes Make sure that all warning lights and buzzers/chimes are operating properly.

MAINTENANCE

Windshield wiper and washer* Check that the wipers and washer operate properly and that the wipers do not streak.

Windshield defroster Check that the air comes out of the defroster outlets properly and in sufficient quantity when operating the heater or air conditioner.

Steering wheel Check for changes in the steering conditions, such as excessive free play, hard steering or strange noises.

Seats Check seat position controls such as seat adjusters, seatback recliner, etc. to ensure they operate smoothly and that all latches lock securely in every position. Check that the head restraints move up and down smoothly and that the locks (if so equipped) hold securely in all latched positions.

Seat belts Check that all parts of the seat belt system (e.g. buckles, anchors, adjusters and retractors) operate properly and smoothly, and

are installed securely. Check the belt webbing for cuts, fraying, wear or damage.

Accelerator pedal Check the pedal for smooth operation and make sure the pedal does not catch or require uneven effort. Keep the floor mats away from the pedal.

Brakes Check that the brakes do not pull the vehicle to one side when applied.

Brake pedal* Check the pedal for smooth operation and make sure it has the proper distance under it when depressed fully. Check the brake booster function. Be certain to keep floormats away from the pedal.

Parking brake* Check that the pedal has the proper travel and confirm that your vehicle is held securely on a fairly steep hill with only the parking brake applied.

Automatic transmission "Park" mechanism Check that the lock release button on the selector lever operates properly and smoothly.

On a fairly steep hill check that your vehicle is held securely with the selector lever in the "P" position without applying any brakes.

UNDER THE HOOD AND VEHICLE

The maintenance items listed here should be checked periodically e.g. each time you check the engine oil or refuel.

Windshield washer fluid* Check that there is adequate fluid in the tank.

Engine coolant level* Check the coolant level when the engine is cold.

Radiator and hoses Check the front of the radiator and clean off any dirt, insects, leaves, etc., that may have accumulated. Make sure the hoses have no cracks, deformation, rot or loose connections.

Brake and Traction Control System fluid level* Make sure that the brake and Traction

MAINTENANCE

Control System fluid level is between the "MAX" and "MIN" lines on the reservoir.

Battery* Check the fluid level.

Engine drive belts* Make sure that no belt is frayed, worn, cracked or oily.

Engine oil level* Check the level after parking the vehicle on a level spot and turning off the engine.

Power steering fluid level* and lines Check the level when the fluid is cold and the engine is turned off. Check the lines for proper attachment, leaks, cracks, etc.

Automatic transmission fluid level* Check the level after putting the selector lever in "P" with the engine idling.

Exhaust system Make sure there are no loose supports, cracks or holes. If the sound of the exhaust seems unusual or there is a smell of exhaust fumes, immediately locate the trouble

and correct it. (See the carbon monoxide warning in the "Starting and driving" section)

Underbody The underbody is frequently exposed to corrosive substances such as those used on icy roads or to control dust. It is very important to remove these substances, otherwise rust will form on the floor pan, frame, fuel lines and around the exhaust system. At the end of winter, the underbody should be thoroughly flushed with plain water, being careful to clean those areas where mud and dirt may accumulate. See the "Appearance and interior care" section for additional information.

Fluid leaks Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicle has been parked for a while. Water dripping from the air conditioner after use is normal. If you should notice any leaks or if gasoline fumes are evident, check for the cause and have it corrected immediately.

PERIODIC MAINTENANCE

To ensure smooth, trouble-free, safe and economical driving, INFINITI provides two different maintenance schedules that may be used, depending upon the conditions in which you usually drive. These schedules contain both distance and time intervals, up to 60,000 miles (96,000 km)/48 months. For most people, the odometer reading will indicate when service is needed. However, if you drive very little, your vehicle should be serviced at the regular time intervals shown in the schedule. **After 60,000 miles (96,000 km) or 48 months, continue periodic maintenance at the same mileage/time intervals.**

SCHEDULE 1

Follow Periodic Maintenance Schedule 1 if your driving habits frequently include one or more of the following driving conditions:

MAINTENANCE

- Repeated short trips of less than 5 miles (8 km). apply to your driving habits.
- Repeated short trips of less than 10 miles (16 km) with outside temperatures remaining below freezing.
- Operating in hot weather in stop-and-go “rush hour” traffic.
- Extensive idling and/or low speed driving for long distances, such as police, taxi or door-to-door delivery use.
- Driving in dusty conditions.
- Driving on rough, muddy, or salt spread roads.
- Towing a trailer, using a camper or a car-top carrier.

SCHEDULE 2

Follow Periodic Maintenance Schedule 2 if none of the driving conditions shown in Schedule 1

MAINTENANCE

SCHEDULE 1

Abbreviations: R = Replace I = Inspect. Correct or replace if necessary.

[]: Perform service at the mileage intervals only

MAINTENANCE OPERATION				MAINTENANCE INTERVAL															
Perform at number of miles, kilometers or months, whichever comes first.	Miles x 1,000	3.75	7.5	11.25	15	18.75	22.5	26.25	30	33.75	37.5	41.25	45	48.75	52.5	56.25	60		
	(km x 1,000)	(6)	(12)	(18)	(24)	(30)	(36)	(42)	(48)	(54)	(60)	(66)	(72)	(78)	(84)	(90)	(96)		
	Months	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48		
EMISSION CONTROL SYSTEM MAINTENANCE																			
Service "A"																			
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter (Use part No. 15208-60U00 or equivalent)		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Service "E"																			
Air cleaner filter	See NOTE (1)																		[R]
Service "F"																			
Vapor lines																			I*
Fuel lines																			I*
Fuel filter	See NOTE (2)*																		I*
Service "G"																			
Drive belts	See NOTE (3)																		I*
Service "J"																			
Engine coolant	See NOTE (4)																		R*
Service "H"																			
Spark plugs (PLATINUM-TIPPED type)																			[R]

- NOTE:**
- (1) If operating mainly in dusty conditions, more frequent maintenance may be required.
 - (2) If vehicle is operated under extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high, the filters might become clogged. In such an event, replace them immediately.
 - (3) After 60,000 miles (96,000 km) or 48 months, inspect every 15,000 miles (24,000 km) or 12 months.
 - (4) After 60,000 miles (96,000 km) or 48 months, replace every 30,000 miles (48,000 km) or 24 months.
 - (5) Maintenance items and intervals with "*" are recommended by INFINITI for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.

MAINTENANCE

Abbreviations: I = Inspect. Correct or replace if necessary.

[]: Perform service at the mileage intervals only

MAINTENANCE OPERATION	MAINTENANCE INTERVAL																
	Miles x 1,000	3.75	7.5	11.25	15	18.75	22.5	26.25	30	33.75	37.5	41.25	45	48.75	52.5	56.25	60
	(km x 1,000)	(6)	(12)	(18)	(24)	(30)	(36)	(42)	(48)	(54)	(60)	(66)	(72)	(78)	(84)	(90)	(96)
	Months	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48

CHASSIS AND BODY MAINTENANCE

Service "B"

Brake pads & discs		I		I		I		I		I		I		I		I	
Steering gear & linkage, axle & suspension parts		I		I		I		I		I		I		I		I	
Steering linkage ball joints & front suspension ball joints		I		I		I		I		I		I		I		I	
SUPER HICAS linkage		I		I		I		I		I		I		I		I	
Exhaust system		I		I		I		I		I		I		I		I	

Service "D"

Brake lines & cables				I				I				I				I	
Automatic transmission oil & differential gear oil	See NOTE (1)			I				I				I				I	
Full-Active suspension fluid				I				I				I				I	

Service "H"

Full-Active suspension fluid																	[R]
Air bag system	See NOTE (2)																

- NOTE:** (1) If towing a trailer, using a camper or a car-top carrier, or driving on rough or muddy roads, change (not just inspect) oil at every 30,000 miles (48,000 km) or 24 months.
- (2) Inspect the air bag system at 10 years after the date of manufacture as noted on the certification label located on the driver's door.

MAINTENANCE

SCHEDULE 2

Abbreviations: R = Replace I = Inspect. Correct or replace if necessary.

[]: Perform service at the mileage intervals only

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								
Perform at number of miles, kilometers or months, whichever comes first.		Miles x 1,000 (km x 1,000)	7.5 (12)	15 (24)	22.5 (36)	30 (48)	37.5 (60)	45 (72)	52.5 (84)	60 (96)
		Months	6	12	18	24	30	36	42	48
EMISSION CONTROL SYSTEM MAINTENANCE										
Service "B"										
Engine oil			R	R	R	R	R	R	R	R
Service "C"										
Engine oil filter (Use part No. 15208-60U00 or equivalent)			R		R		R		R	
Service "E"										
Air cleaner filter						[R]				[R]
Service "F"										
Vapor lines						I*				I*
Fuel lines						I*				I*
Fuel filter		See NOTE (1)*								
Service "G"										
Drive belts		See NOTE (2)								I*
Service "J"										
Engine coolant		See NOTE (3)								R*
Service "H"										
Spark plugs (PLATINUM-TIPPED Type)										[R]

- NOTE:**
- (1) If vehicle is operated under extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high, the filters might become clogged. In such an event, replace them immediately.
 - (2) After 60,000 miles (96,000 km) or 48 months, inspect every 15,000 miles (24,000 km) or 12 months.
 - (3) After 60,000 miles (96,000 km) or 48 months, replace every 30,000 miles (48,000 km) or 24 months.
 - (4) Maintenance items and intervals with "*" are recommended by INFiniti for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.

MAINTENANCE

Abbreviations: I = Inspect. Correct or replace if necessary.

[]: Perform service at the mileage intervals only

MAINTENANCE OPERATION	MAINTENANCE INTERVAL								
	Miles x 1,000	7.5	15	22.5	30	37.5	45	52.5	60
	(km x 1,000)	(12)	(24)	(36)	(48)	(60)	(72)	(84)	(96)
	Months	6	12	18	24	30	36	42	48

Perform at number of miles, kilometers or months, whichever comes first.

CHASSIS AND BODY MAINTENANCE

Service "D"

Brake lines & cables	I				I		I		I
Brake pads & discs	I				I		I		I
Automatic transmission oil & differential gear oil	I				I		I		I
Exhaust system	I				I		I		I
Full-Active suspension fluid	I				I		I		I

Service "F"

Steering gear linkage axle & suspension parts					I				I
SUPER HICAS linkage					I				I

Service "H"

Full-Active suspension fluid									[R]
Air bag system	See NOTE (1)								

NOTE: (1) Inspect the air bag system at 10 years after the date of manufacture as noted on the certification label located on the driver's door.

MAINTENANCE

EXPLANATION OF MAINTENANCE ITEMS

Additional information on the following items with "" is found in the "Do-it-yourself" section.

Emission control system maintenance

Drive belts* Check drive belts for wear, fraying or cracking and also for proper tension. Replace the drive belts if found damaged.

Air cleaner filter Under normal driving conditions, the air cleaner filter should be replaced in accordance with the maintenance schedule. However, driving the vehicle in dusty areas may cause more rapid clogging of the element. Consequently, the element may have to be replaced more frequently.

Vapor lines Check vapor lines and connections for failure or looseness. If leaks are found, replace them.

Fuel lines Check the fuel hoses, piping and connections for leaks, looseness or deterioration. Replace any parts if they are damaged.

Fuel filter If the vehicle is operated under extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high, the filter might become clogged. In such an event, replace the filter immediately.

Engine coolant* Drain and flush the cooling system.

Engine oil & oil filter * Under normal driving conditions, the engine oil and oil filter should be replaced in accordance with the maintenance schedule. However, under severe driving conditions, they may have to be replaced more frequently.

Spark plugs* Replace with new plugs having the correct heat range.

Chassis and body maintenance

Brake lines & cables Check the brake lines and hoses (including brake booster vacuum hoses, connections & check valve) and parking brake cables for proper attachment, leaks, cracks, chafing, abrasion, deterioration, etc.

Brake pads & discs Check these and the other neighboring brake components for wear, deterioration and leaks. Under severe driving conditions, they may have to be inspected more frequently.

Automatic transmission oil & differential gear oil* Visually inspect for signs of leakage. Under severe driving conditions, the oil should be replaced at the specified interval.

Steering gear & linkage, axle & suspension parts Check for damage, looseness and leakage of oil or grease. Under severe driving conditions, more frequent inspection should be performed.

Steering linkage ball joints & front suspen-

MAINTENANCE

sion ball joints Check the ball joints for damage, looseness and grease leakage.

SUPER HICAS linkage Check the power cylinder and linkage for damage, looseness and leakage of oil or grease. Under severe driving conditions, more frequent inspection should be performed.

Exhaust system Visually check the exhaust pipes, muffler, and hangers for proper attachment, leaks, cracks, chafing, abrasion, deterioration, etc. Under severe driving conditions, inspection should be performed more frequently.

Full-Active suspension fluid* Check the fluid level in the reservoir with the engine warm and at idle, and with the vehicle unladen. Check the fluid hoses, piping and connections for leaks. Replace the fluid at the designated intervals.

Air bag system Check the air bag system components for proper attachment, damage,

deformities, cracks, rust, etc. Work around and on the air bag system should be done by an authorized INFINITI dealer.

9 TECHNICAL AND CONSUMER INFORMATION

Major systems and how they work	9-2	When traveling or registering your vehicle	
Capacities and recommended		in another country	9-25
fuel/lubricants	9-18	Vehicle identification	9-25
Engine	9-23	Trailer towing	9-28
Wheels & tires	9-24	Uniform tire quality grading	9-32
Dimensions and weights	9-24	Emission control system warranty	9-33
		Reporting safety defects	9-34

TECHNICAL AND CONSUMER INFORMATION

MAJOR SYSTEMS AND HOW THEY WORK

The common theme that applies to almost all of the automotive systems described in this section is electronic controls. Because of their speed, precision and reliability, electronic components are used wherever possible to increase the efficiency and driveability of your INFINITI.

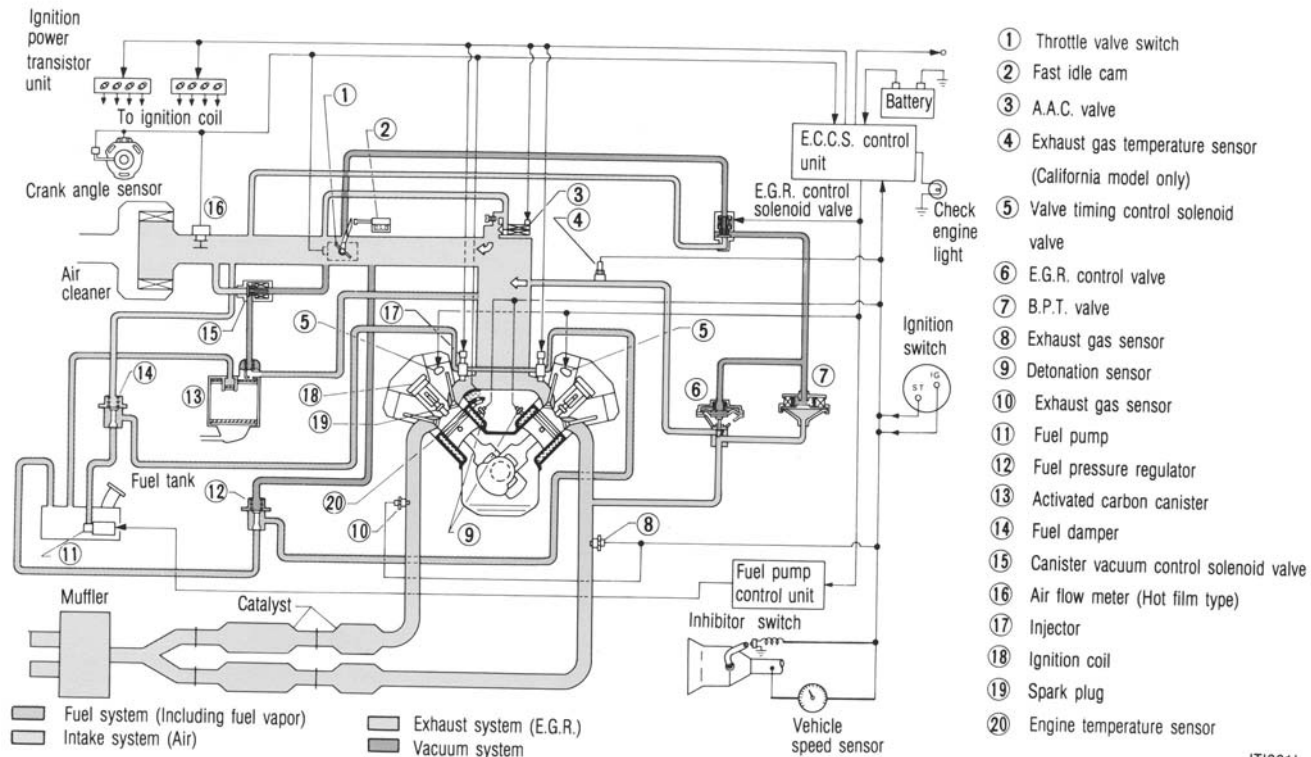
The typical control system employs "sensors," which collect information about operating conditions and driver demand and send it, usually in the form of an electrical voltage signal, to a "control unit," which is a small, on-board computer. The control unit monitors the information provided by the sensors, calculates the optimum or best control, and makes it happen through signals to electrical "actuators" in the engine or transmission or brake system—wherever the control must take place. The results can seem miraculous.

INFINITI VH45DE engine with Electronic Concentrated Engine Control System (ECCS)

Summary—ECCS engine control

The magic of the ECCS system is that it coordinates the functions and control of valve timing, air-fuel mixture, ignition timing, exhaust gas recirculation, and idle speed by the operation of a high-speed computer. The precisely coordinated control of all of these functions allows the engine to operate more efficiently and emission free than would have been possible under earlier technologies.

TECHNICAL AND CONSUMER INFORMATION



TECHNICAL AND CONSUMER INFORMATION

To get the most from an engine—in the way of performance, smooth driveability, economy and control of harmful emissions—a number of decisive factors must be controlled as precisely as possible under all driving conditions. These “factors” include the following:

- The timing and overlap of the intake and exhaust valves in relation to the position of the pistons in the engine.
- The mixture of air and fuel that enters the engine cylinders during each intake stroke of the pistons.
- The timing of the spark that ignites the pressurized charge of air and fuel near the end of the compression stroke of the pistons.
- The temperature of the combustion that occurs in the cylinders, especially under load.
- Engine idle speed under all conditions.

The engine in your INFINITI has degrees of precision in the automatic control of these factors that, only a few years ago, were not thought possible by any known technology. Such a high performance engine must operate smoothly and efficiently at all speeds. And it must do so with a minimum of fuel consumption and a minimum of emissions into the environment.

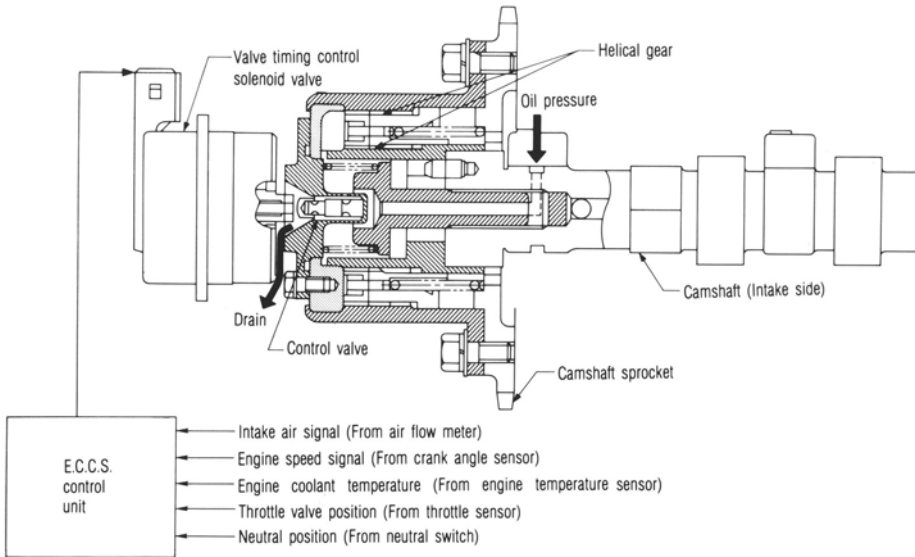
VARIABLE VALVE TIMING CONTROL SYSTEM

It is commonly known that the earlier the intake valve closing timing, the higher the intake efficiency at low and middle engine speed, and that the slower the intake valve closing timing, the higher the intake efficiency at high engine speed, for enhanced torque power.

For this reason, a variable valve timing control system is employed by which the inlet valve closing timing can be adjusted in response

to the engine speed and load by the cam pulley installed in front of the cam shaft. This cam pulley provides variable control through a hydraulic control system.

TECHNICAL AND CONSUMER INFORMATION



Why cam and valve timing are important

At the top of the piston "exhaust" stroke and at the beginning of the "intake" stroke, there is a short period of time when the exhaust and intake valves are both open. This condition is called "valve overlap." During years of experimentation with engine design, engineers have found that if the timing of intake valve closing is moved forward—so that the "overlap" is reduced—then the low and middle rpm power of the engine is increased. However, the engine is less efficient at high rpm. If the overlap is increased, idling becomes smooth and the power of the engine will be increased at high rpm.

The INFINITI variable valve timing system uses engine oil pressure to advance the intake cam during mid-range operation. At Idle, the oil pressure is allowed to bleed off through the open cam timing solenoid valve. When the

ITI012

TECHNICAL AND CONSUMER INFORMATION

engine load and speed increase, the control valve is closed by the ECCS electronic control unit, and oil pressure builds up to advance the intake cams. The valve is opened again at high speed.

AIR-FUEL MIXTURE CONTROL

A gasoline engine requires a relatively "rich" mixture of fuel to air during idle, a "lean" mixture for mid-range and "cruise" conditions, and a "richer" mixture for high load, high RPM operation. The changes in amount of fuel delivered to the engine must occur smoothly, sometimes in response to sudden changes in demand from the driver. The INFINITI ECCS system can give the engine precisely the amount of fuel required for each condition, according to a precise measurement of the amount of air that is allowed into the engine either through automatic devices provided for idle control or in response to your foot pressure on the vehicle throttle.

All of the atmospheric air that is drawn into the engine is measured by a "hot-film" type air flow meter. This type of air flow meter, sometimes called a "mass" air flow sensor, can respond very quickly to changes in intake air quantity and density, which means as you step on the throttle of your INFINITI to move into freeway traffic, a voltage signal is sent to the ECCS control unit instantly, and the control unit responds just as quickly to provide more fuel by allowing the port fuel injectors to stay open precise milliseconds longer. The result is smooth acceleration, without "stumble" or "hesitation."

SEQUENTIAL, MULTI-PORT FUEL INJECTION

Your INFINITI engine uses a separate fuel injector for each cylinder. These are placed into the intake ports, so that they can spray atomized fuel under pressure into the intake air stream. These injectors are controlled "sequentially," which means that they operate in each cylinder according to the firing order. Each injector opens to spray its carefully metered amount of fuel just before the intake valve of the cylinder opens.

Constant pressure

Fuel injector operation depends upon a supply of fuel that is always maintained at a constant pressure in relation to the pressure in the engine intake manifold.

Under pressure, the fuel travels through the line, through a large and efficient fuel filter mounted under the hood, and into a "fuel rail" which

TECHNICAL AND CONSUMER INFORMATION

feeds the injectors. Fuel flows into the bases of the injectors, where it is available to flow out of the injector nozzles and into the intake ports when the injectors are opened electrically by signals from the control unit.

By allowing more or less fuel to return to the tank, the fuel pressure regulator maintains the pressure at the injectors at 36.3 psi (2.55 kg/cm², 250.1 kPa) above manifold pressure.

That allows the control unit to adjust the flow of fuel into the engine simply by controlling the amount of time the injectors stay open. The longer the injectors are held open, in milliseconds, the more fuel flow.

IGNITION TIMING CONTROL

For best efficiency, ignition timing must be dynamic, that is it must change depending upon the engine operating conditions. It must respond to engine load, RPM changes, engine water temperature changes and so on. For precisely

correct, automatic, adjustments in ignition timing to take place, the control unit must have sensors that tell about such conditions. The most important of these is the crank angle sensor. The crank angle sensor tells the control unit the engine speed and the positions of the pistons under all conditions.

CONTROL OF COMBUSTION TEMPERATURE

Oxides of nitrogen, in a number of chemical variations, are among the major components of photochemical air pollution. These nitrogen oxide compounds are formed in the engine when the combustion temperatures are higher than about 2,000°F (1,093°C). One way to decrease nitrogen oxide formation in the engine, then, is to cool the temperature of combustion slightly. This is done by allowing a small amount of burned, and therefore inert, exhaust gases to recirculate back into the engine intake

manifold where they can be drawn into the cylinders.

IDLE SPEED CONTROL

The idle speed of an engine may be affected by a number of conditions. For example, a cold engine is inclined to run sluggishly at idle as well as under load. Such accessories as air conditioning and power steering may load the engine during idle and bring the idle speed down. Accessories that draw a large amount of current from the alternator, such as headlamps, window defoggers, radiator fans, etc., increase the load on the engine. So, to provide smooth idle under all conditions, and to provide the best overall fuel economy, the ECCS system gives computer controlled, automatic idle speed control.

Using the information provided by the sensors, the control unit calculates the best idle speed and brings it about through the idle speed

TECHNICAL AND CONSUMER INFORMATION

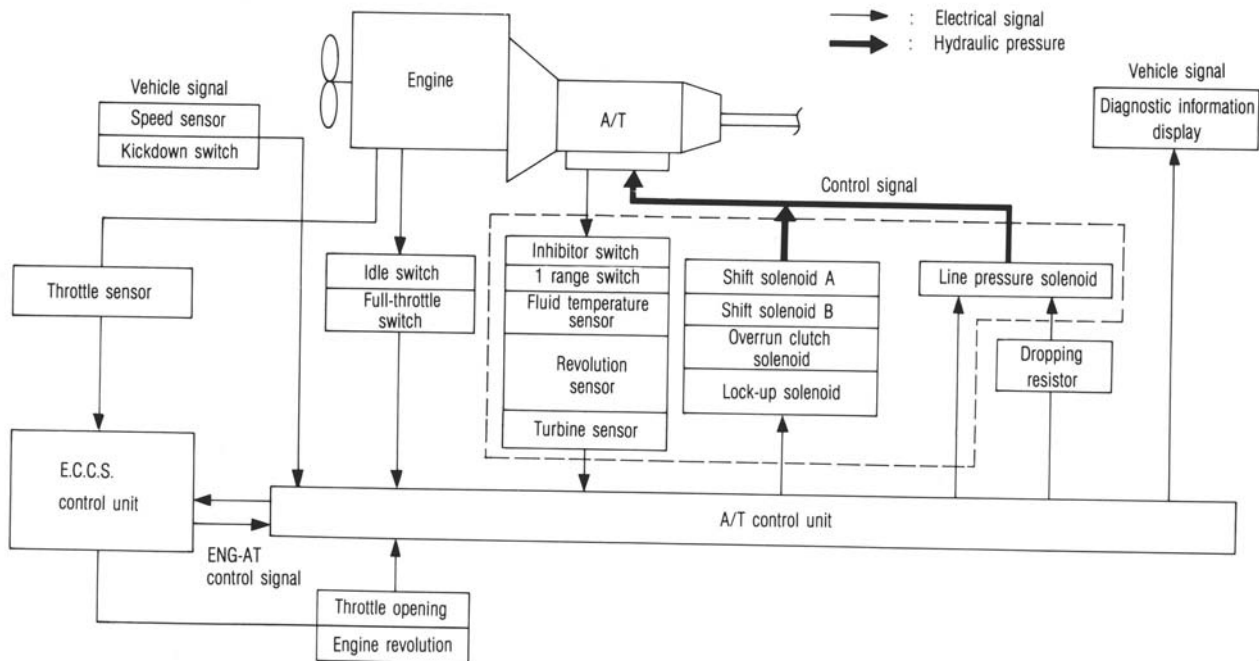
control solenoid valve, which allows more, or less, air into the intake manifold. Because the air is measured by the air flow meter, the injectors always follow along with the correct pulse duration, so the mixture is always correct.

SELF-DIAGNOSIS

The ECCS control unit has a self-diagnosis function, which monitors all of the ECCS circuits and components for problems. If the control unit senses a problem, it stores the information for retrieval by an experienced INFINITI technician at your dealership. So diagnosis and repair, even of this sophisticated system, may be made easier and more accurate.

TECHNICAL AND CONSUMER INFORMATION

INFINITI electronically controlled 4-speed automatic transmission



TECHNICAL AND CONSUMER INFORMATION

The function of an automotive transmission is to provide a means of matching engine speed and vehicle speed in such a way that the engine is kept in the most efficient RPM range at all times.

Automatic transmission control functions

Using the information provided by the sensors, the control unit calculates the best possible operation of the transmission for any condition by controlling the following functions:

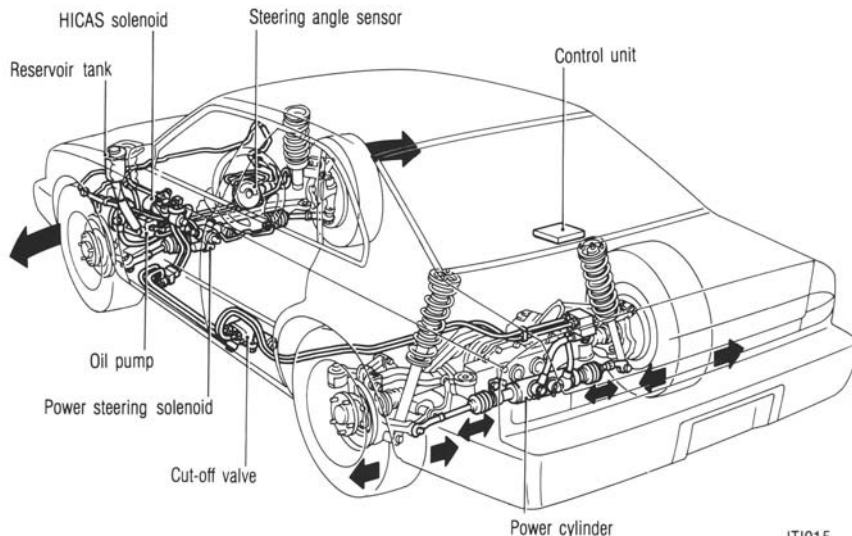
1. Shift timing and shift pattern.
 2. Lock-up timing.
 3. Engine brake operation timing.
- Self diagnosis

Any electrical malfunction in the system will be sensed by the automatic transmission control unit, which stores the information in memory.

STEERING, SUSPENSION AND BRAKE SYSTEMS

INFINITI super HICAS 4-wheel steering

HICAS and MULTI-LINK SUSPENSION



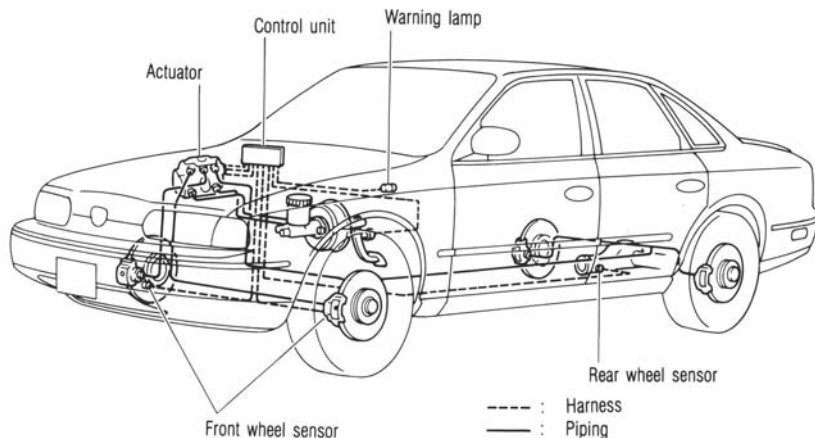
TECHNICAL AND CONSUMER INFORMATION

The Super HICAS 4-wheel steering system controls the steering of the rear wheels in response to the steering angle and velocity of the front wheels. This is accomplished by the on board computer, providing accurate steering.

INFINITI multi-link front and rear suspension

To complement the HICAS 4-wheel steering system and the anti-lock braking system, your INFINITI uses multi-link suspension at the front and rear wheels. This type of suspension allows for a comfortable ride and increased tire life, yet it gives excellent stability in hard cornering and braking. The multiple links control up and down and fore and aft movement of the wheels.

INFINITI anti-lock braking system



IT1016

TECHNICAL AND CONSUMER INFORMATION

In sudden braking and on wet surfaces, the wheels are more easily locked. If the front wheels lock, steering control may be affected.

If the rear wheels lock, swerving of the vehicle may result, creating another dangerous condition. To reduce this possibility, short and quick pumping of the brakes is needed, but this technique is very difficult to perform for an ordinary driver, especially in an emergency. This pumping action can be performed quickly and correctly by this anti-lock braking system and is done automatically when the driver depresses the brake pedal. Since the braking force is controlled delicately by electronic control, no tire locking occurs, and steering operation remains normal even while the brakes are being firmly applied.

Accordingly, the driver is able to depress the brake pedal, confident that the possibility of brake locking will be minimized. The brake pedal kickback remains minimal, and smooth

pedal feel is ensured even when the A.B.S. is operating.

System malfunction

If the A.B.S. control unit detects a malfunction in any of the system electrical circuits, it will de-activate the anti-lock function by cutting electrical power to the A.B.S. actuator. The braking system will then work as usual, without the anti-lock function.

If the control unit stops the A.B.S. system operation, the A.B.S. warning lamp will glow. This will aid your INFINITI dealership technician in diagnosis of the problem.

Full-active suspension

Full-active suspension is an advanced suspension system which is capable of actively damping vehicle oscillations by applying hydraulic pressure to the suspension. The system stores energy to generate damping forces, and is capable of reacting quickly and continuously

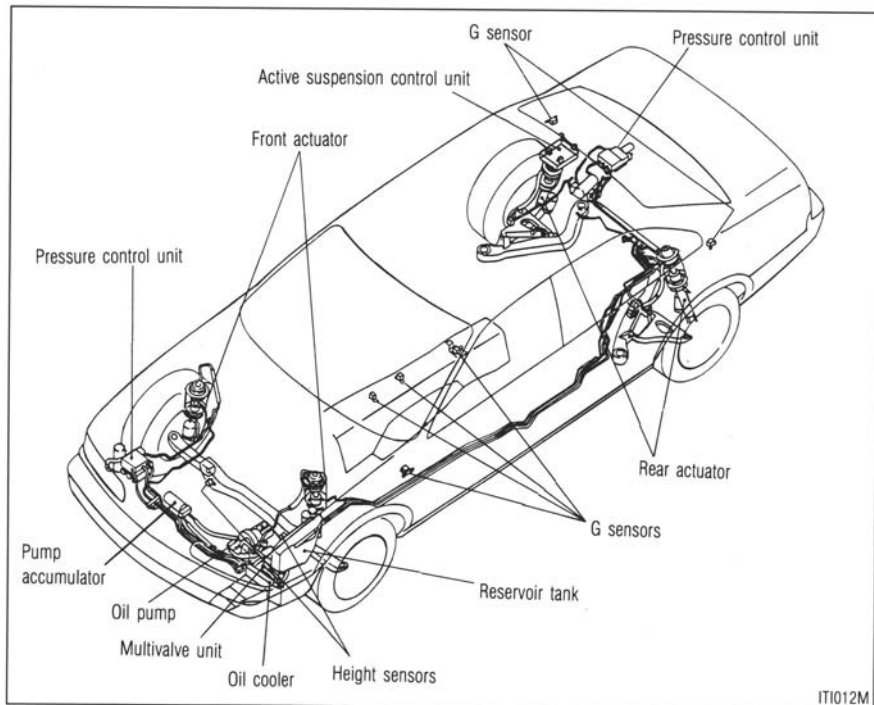
to control its magnitude.

A damping force changeover system using conventional shock absorbers, or a spring constant changeover system using air suspension, are devices which generate damping force only after the vehicle has moved. They do not actively generate any damping force themselves.

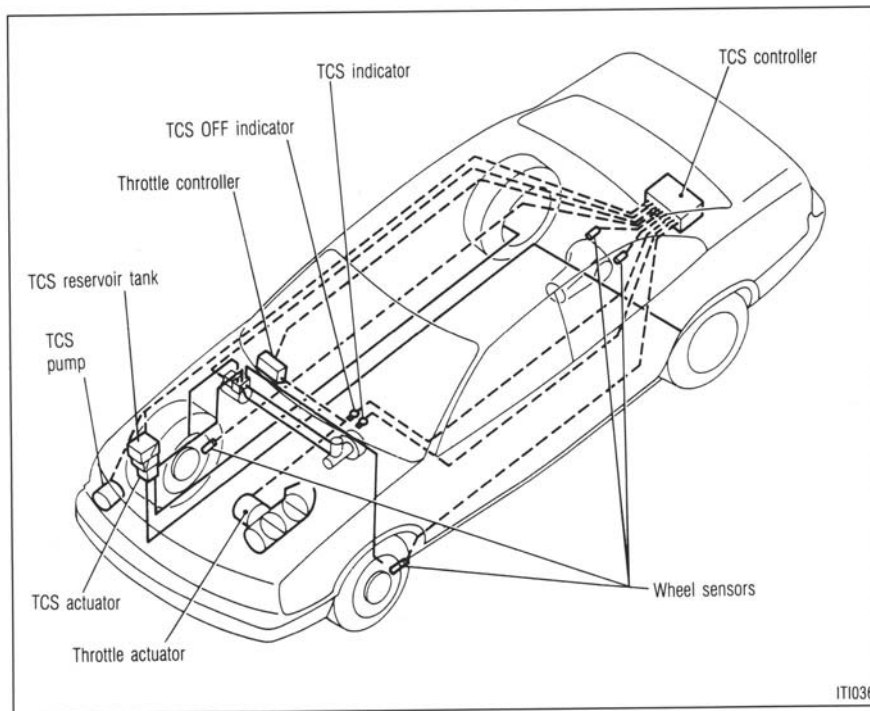
The full-active suspension system uses hydraulic actuators in place of conventional springs and shock absorbers.

The system detects vibrations and oscillations in the vehicle caused by uneven road surfaces and the vehicle's driving conditions using G sensors (gravity sensors). It then continuously operates the hydraulic actuators so that these oscillations and vibrations can be dampened to improve both the riding comfort and driving stability.

TECHNICAL AND CONSUMER INFORMATION



TECHNICAL AND CONSUMER INFORMATION



Traction control system

The Traction control system makes use of the separate rear left and right brake torque control mechanisms to assign appropriate amount of engine torque to each of the rear wheels.

In practical use on a slippery road surface, this technology enables the driver to remain in control of the vehicle, even if he should attempt to accelerate and thus cause rear wheel slip. The system automatically adjusts the engine throttle to a level appropriate for the road conditions, which in turn minimizes further wheel slip tendencies. By improving the rear wheel traction in this manner, the system relieves the driver of a lot of the unnecessary stress which might occur should he be required to control the engine speed by himself.

The TCS is composed of the following components:

- 1) Wheel sensor

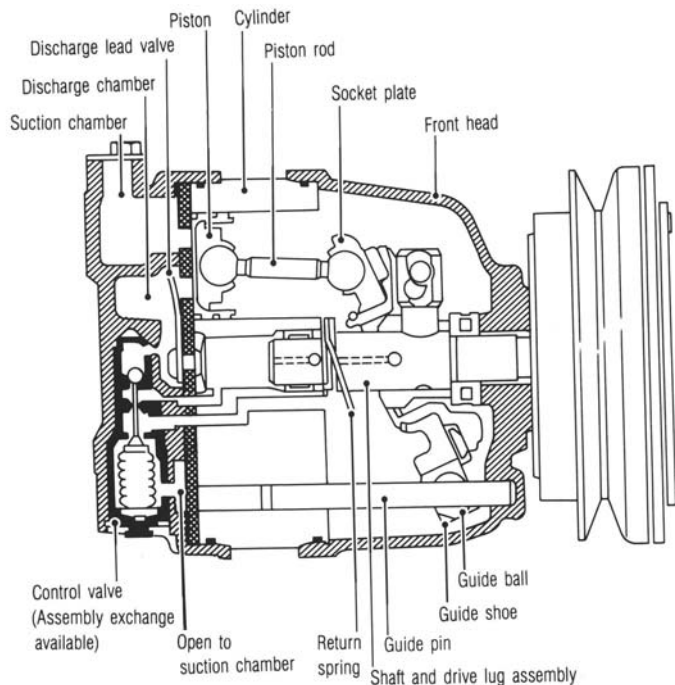
TECHNICAL AND CONSUMER INFORMATION

- 2) TCS controller
- 3) Throttle controller
- 4) Throttle actuator
- 5) TCS hydraulic unit
- 6) TCS indicator
- 7) TCS OFF indicator

TECHNICAL AND CONSUMER INFORMATION

FOR YOUR DRIVING COMFORT —AUTOMATIC AIR CONDI- TIONING

For precision control over the interior climate of your INFINITI, there is a unit or "auto amplifier," and actuators to provide the most comfortable temperature, humidity and air flow inside the vehicle. For quieter, smoother and more economical operation, the system uses a variable displacement compressor, which eliminates the need for compressor on-off cycling.



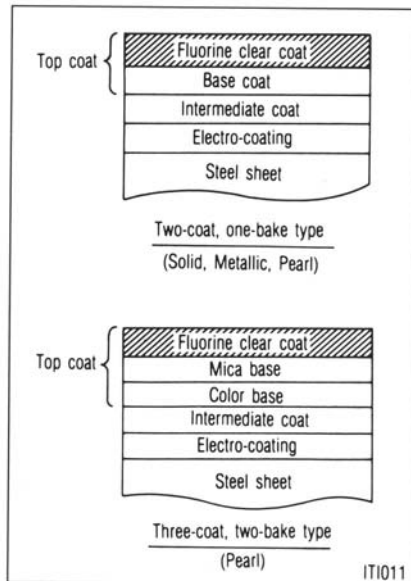
ITI017

TECHNICAL AND CONSUMER INFORMATION

The auto amplifier also has a self diagnosis feature to recognize any system circuit malfunction and aid your INFINITI dealership technician in a quick, accurate repair if it becomes necessary.

The auto amplifier receives information from the control panel, by which you may request the interior "weather" you wish, and from sensors placed in strategic locations in the vehicle. Once you have signaled a target temperature at the control panel, the auto amplifier uses information from the sensors to calculate what must be done.

Fluorine paint



Your INFINITI paint coating has been applied with the finest appearance and best durability in mind:

- A 2-coat/1-bake type top coat and a fluorine clear coat are applied to the vehicle body, in place of the conventional, solid (i.e., one top coat) paint coating.
- To ensure enhanced appearance, (i.e., pearl and metallic paint clearness), the fluorine clear coat (2-coat/1-bake, or 3-coat/2-bake type) is used instead of the conventional clear coat (acrylic resin).
- Improved weatherability—
The fluorine compound provides excellent protection against harmful light and chemical elements, and produces a paint coating with superior weatherability and resistance to ultraviolet rays.
- Refinishing the clear coat should only be done using fluorine type materials, to ensure compatibility in the rate of refinisher gloss retention.

TECHNICAL AND CONSUMER INFORMATION

CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS

The following are approximate capacities. The actual refill capacities may be a little different. When refilling, follow the procedure instructed in the "Do-it-yourself" section to determine the proper refill capacity.

	Capacity (Approximate)			Recommended Fuel/Lubricants
	US measure	Imp measure	Liter	
Fuel	22-1/2 gal	18-3/4 gal	85	Unleaded premium gasoline with an octane rating of at least 91 AKI (RON 96)*1
Engine oil (Refill)				Energy Conserving Oils of API SG*2, *3
With oil filter	6-3/8 qt	5-1/4 qt	6.0	
Without oil filter	5-7/8 qt	4-7/8 qt	5.6	
Cooling system				
With reservoir	10-7/8 qt	9-1/8 qt	10.3	Anti-freeze coolant (Ethylene glycol base)
Reservoir	3/4 qt	5/8 qt	0.7	
Automatic transmission fluid	Refill to the proper oil level according to the instructions in the "Do-it-yourself" section.			Genuine ATF*4 or equivalent Type DEXRON™
Power steering fluid				Type DEXRON™
Full-Active Suspension fluid				Genuine "Fluid A-Active Suspension"
Brake fluid and TCS fluid				Genuine Brake Fluid*4 or equivalent DOT 3 (US FMVSS No. 116)
Multi-purpose grease	—	—	—	NLGI No. 2 (Lithium soap base)
Air conditioning system refrigerant	—	—	—	R-12

*1: For further details, see "Fuel requirement".

*2: For further details, see "Engine oil and oil filter recommendation".

*3: For further details, see "Recommended SAE viscosity number".

*4: Available in mainland U.S.A. through your INFINITI dealer.

TECHNICAL AND CONSUMER INFORMATION

FUEL REQUIREMENT

In order to maintain engine and exhaust system durability and performance, UNLEADED PREMIUM gasoline with an octane rating of at least 91 AKI (Research octane number 96) must be used.

If premium gasoline is not available, UNLEADED REGULAR gasoline with an octane rating of 87 AKI (Research octane number 91) may be temporarily used, but only under the following precautions:

- Have the fuel tank filled only partially with unleaded regular gasoline, and fill up with premium unleaded gasoline as soon as possible.
- Avoid full throttle driving and abrupt acceleration

Use UNLEADED fuel only. Under no circumstances should leaded gasoline be used. It will damage your catalytic con-

verter and increase dangerous emissions from your vehicle exhaust.

Gasoline containing oxygenates

Some fuel suppliers sell gasoline containing oxygenates such as ethanol, MTBE and methanol with or without advertising their presence. INFINITI does not recommend the use of fuels of which the oxygenate content and the fuel compatibility for your INFINITI cannot be readily determined. If in doubt, ask your service station manager.

If you use oxygenate-blend gasoline, please take the following precautions as the usage of such fuels may cause vehicle performance problems and/or fuel system damage.

- **The fuel should be unleaded and have an octane rating no lower than that recommended for unleaded gasoline.**
- **If an oxygenate-blend, excepting a**

methanol blend, is used, it should contain no more than 10% oxygenate. (MTBE may, however, be added up to 15%).

- **If a methanol blend is used, it should contain no more than 5 % methanol (methyl alcohol, wood alcohol). It should also contain a suitable amount of appropriate cosolvents and corrosion inhibitors. If not properly formulated with appropriate cosolvents and corrosion inhibitors, such methanol blends may cause fuel system damage and/or vehicle performance problems. At this time, sufficient data is not available to ensure that all methanol blends are suitable for use in INFINITI vehicles.**

If any undesirable driveability problems such as engine stalling and hard hot starting are experienced after using oxygenate-blend fuels, immediately change to a non-oxygenate fuel or a

TECHNICAL AND CONSUMER INFORMATION

fuel with a low blend of MTBE.

Take care not to spill gasoline during refueling. Gasoline containing oxygenates can cause paint damage.

Octane rating tips

Using unleaded gasoline with an octane rating lower than stated above can cause persistent, heavy "spark knock." ("Spark knock" is a metallic rapping noise.) If severe, this can lead to engine damage. If you detect a persistent heavy spark knock even when using gasoline of the stated octane rating, or if you hear steady spark knock while holding a steady speed on level roads, have your dealer correct the condition. Continued usage without repair will cause damage to the catalytic converter and reduce emission quality. Failure to correct the condition is misuse of the

vehicle, for which INFINITI is not responsible.

Incorrect ignition timing will result in knocking, after-run or overheating. This in turn may cause excessive fuel consumption or damage to the engine. If any of the above symptoms are encountered, have your vehicle checked at a INFINITI dealer or other competent service facility.

ENGINE OIL AND OIL FILTER RECOMMENDATION

Selecting the correct oil

There are three oil characteristics which must be considered when selecting the correct engine oil. They are quality, viscosity and frictional characteristics. It is essential that the correct quality and viscosity oil is chosen to ensure satisfactory life and performance of the engine. It is further recommended on the gasoline engine that a low friction oil (energy conserving

oil) be selected in order to improve fuel economy and conserve energy.

Oil which may contain foreign matter or has been previously used should not be used.

Oil quality

The quality of the engine oil is shown on the container in accordance with API (American Petroleum institute) designations of quality.

Oils which do not have the specified quality label should not be used as they could cause engine damage.

Only energy conserving oils with the designations "API SG" should be used. These oils may have single or combined designators (i.e., "SG/CC", or "SG/CD").

Oil viscosity

The engine oil viscosity or thickness changes with temperature. Because of this, it is important

TECHNICAL AND CONSUMER INFORMATION

that the engine oil viscosity be selected based on the temperatures at which the vehicle will be operated before the next oil change. The chart on the following page, "Recommended SAE viscosity number" shows the recommended oil viscosities for the expected ambient temperatures. Choosing an oil viscosity other than that recommended could cause serious engine damage.

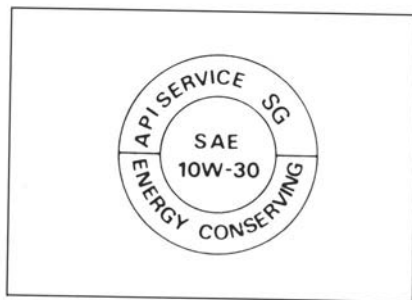
Energy conserving oils

In order to improve fuel economy and conserve energy, new lower friction engine oils have been developed. These oils are readily available and can be identified by such labels as EC-I, EC-II, energy conserving, energy saving, improved fuel economy, etc.

Oil identification

A standard symbol may be used to help you select the correct oil. A typical symbol is shown below, the upper portion designates the quality,

the center designates the viscosity and the lower section indicates that the oil has fuel saving capabilities.



Selecting the correct oil filter

Your new vehicle is equipped with a high-quality genuine oil filter engineered for your vehicle. When replacing, use the genuine oil filter (Part No. 15208-60U00) or its equivalent for the reason described in "change intervals".

Change intervals

The oil and oil filter change intervals for your engine are based on the use of the specified quality oils and filters. Oil and filter other than the specified quality, or oil and filter change intervals longer than recommended could reduce engine life. Damage to engines caused by improper maintenance or use of incorrect oil and filter quality and/or viscosity is not covered by the new INFINITI vehicle warranties.

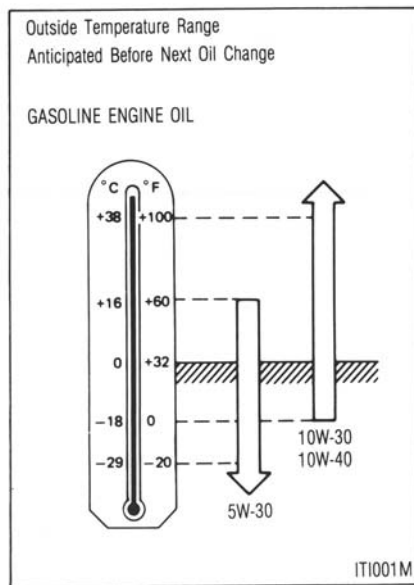
Your engine was filled with a high quality engine oil when it was built. You do not have to change the oil before the first recommended change interval. Oil and filter change intervals depend upon how you use your vehicle. Operation under the following conditions may require more frequent oil and filter changes.

- repeated short distance driving at cold outside temperatures,
- driving in dusty conditions,

TECHNICAL AND CONSUMER INFORMATION

- extensive idling,
- towing a trailer.

RECOMMENDED SAE VISCOSITY NUMBER

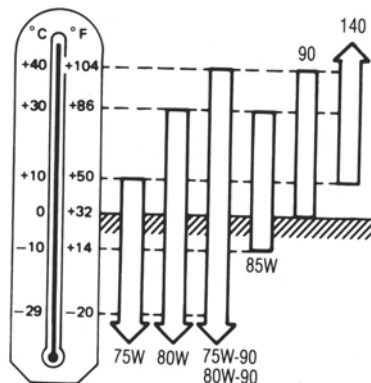


- **10W-30 is preferable for ambient temperatures above 0°F (-18°C).**
- **20W-40 and 20W-50 are usable for ambient temperatures above 50°F (10°C) for all seasons.**

TECHNICAL AND CONSUMER INFORMATION

Outside Temperature Range
Anticipated Before Next Oil Change

GEAR OIL



IT1002M

- 80W-90 is preferable for ambient temperatures below 104°F (40°C).

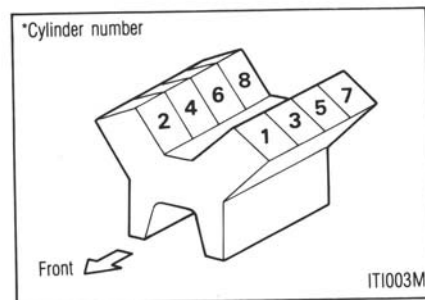
ENGINE

Model	VH45DE	
Type	Gasoline, 4-cycle	
Cylinder arrangement	8-cylinder, V-slanted at 90°	
Bore × Stroke	in (mm)	3.66 × 3.256 (93 × 82.7)
Displacement	cu in (cm ³)	274.3 (4,494)
Firing order	1-8-7-3-6-5-4-2	
Idle speed	rpm	See the "Emission Control Label" on the underside of the hood.
Ignition timing (B.T.D.C.)	degree/rpm	
CO percentage at idle speed	[No air]	
Spark plug	PFR5B-11 (Hot) PFR6B-11 (Standard) PFR7B-11 (Cold)	
Alternator belt size		
Width × Length	in (mm)	0.839 × 37.80 (21.3 × 960)

TECHNICAL AND CONSUMER INFORMATION

WHEELS & TIRES

		Conventional	Spare (T-type)
Road wheel	Aluminum	15 × 6-1/2JJ	16 x 4T
	Offset in (mm)	1.77 (45)	1.18 (30)
Tire size		P215/65R15 95V	T135/90D16



DIMENSIONS AND WEIGHTS

		Sedan
Overall length	in (mm)	199.8 (5,075) 200.4 (5,090)*1
Overall width	in (mm)	71.9 (1,825)
Overall height	in (mm)	56.5 (1,435) 56.1 (1,425)*2
Front tread	in (mm)	61.8 (1,570)
Rear tread	in (mm)	61.8 (1,570)
Wheelbase	in (mm)	113.2 (2,875) 113.4 (2,880)*2
Gross vehicle weight rating	lb (kg)	
Gross axle weight rating		See the "F.M.V.S.S. certification label" on the driver's side lock pillar.
Front	lb (kg)	
Rear	lb (kg)	

*1: With front and rear license plate installed

*2: Full-active suspension model

TECHNICAL AND CONSUMER INFORMATION

WHEN TRAVELING OR REGISTERING YOUR VEHICLE IN ANOTHER COUNTRY

If you plan to travel in another country, you should first find out if the fuel available is suitable for your vehicle's engine.

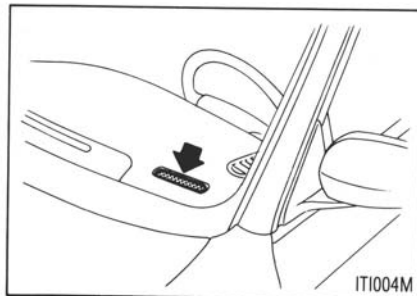
Using fuel with too low an octane rating may cause engine damage. All gasoline vehicles must be operated with unleaded gasoline. Therefore, avoid taking your vehicle to areas where appropriate fuel is not available.

When transferring the registration of your vehicle to another country, state, province or district, it may be necessary to modify the vehicle to meet local laws and regulations.

The laws and regulations for motor vehicle emission control and safety standards vary according to the country, state, province or district; therefore, vehicle specifications may differ.

When any vehicle is to be taken into another country, state, province or district and registered, its modifications, transportation, and registration are the responsibility of the user. INFINITI is not responsible for any inconvenience that may result.

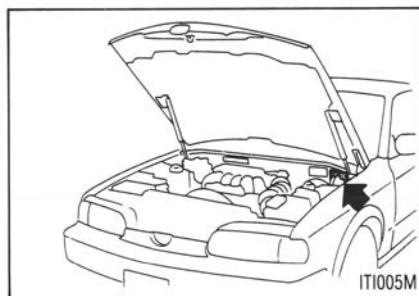
VEHICLE IDENTIFICATION VEHICLE IDENTIFICATION NUMBER PLATE



The vehicle identification number plate is attached as shown. This number is the identification for your vehicle and is used in the vehicle registration.

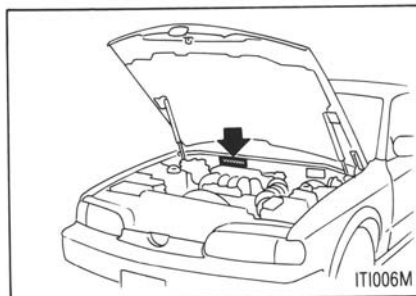
TECHNICAL AND CONSUMER INFORMATION

VEHICLE IDENTIFICATION PLATE



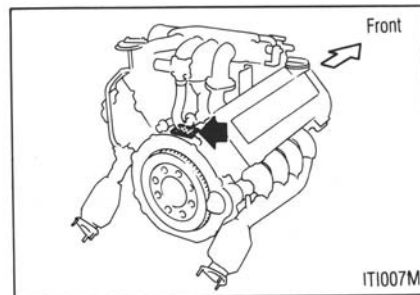
The number plate is affixed as shown.

VEHICLE IDENTIFICATION NUMBER (Chassis number)



The number is stamped as shown.

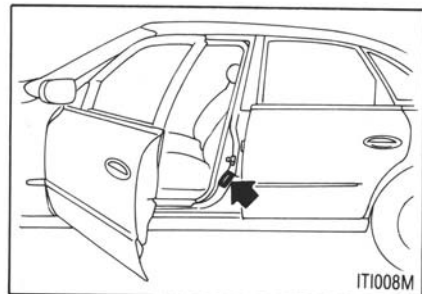
ENGINE SERIAL NUMBER



The number is stamped on the engine as shown.

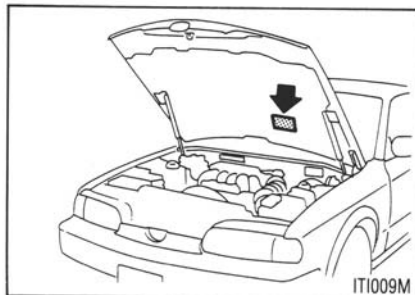
TECHNICAL AND CONSUMER INFORMATION

F.M.V.S.S. CERTIFICATION LABEL



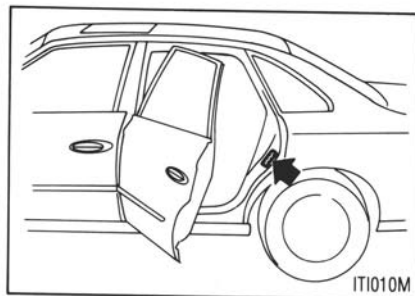
The F.M.V.S.S. certification label is affixed as shown.

EMISSION CONTROL INFORMATION LABEL



The emission control information label is attached as shown.

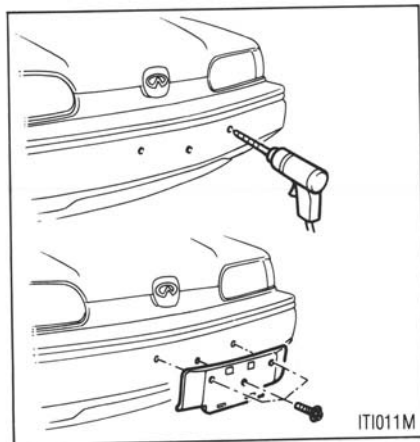
TIRE PLACARD



The cold tire pressure is shown on the tire placard located on the front face of the rear left wheel housing inside the vehicle.

TECHNICAL AND CONSUMER INFORMATION

INSTALLING FRONT LICENSE PLATE



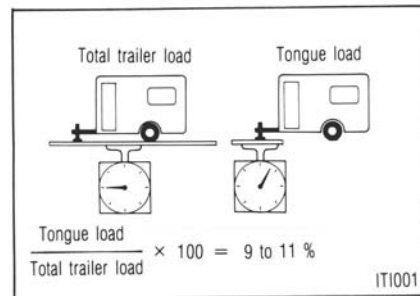
Use the following steps to mount the license plate:

1. Make a hole in each plastic finisher (the small round pieces on the bumper) using a

0.31 in (8 mm) drill. Use the location marks as a guide. To avoid damaging the threads behind the finisher, apply only light pressure to the drill. Mount the license plate bracket.

2. Mount the license plate using screws 0.24 in (6 mm) in diameter, 0.79 in (20 mm) or more in length with a 0.039 in (1.0 mm) pitch.

TRAILER TOWING



Your new vehicle was designed to be used primarily to carry passengers and cargo. Remember that towing a trailer will place additional loads on your vehicle's engine, drive train, steering, braking and other systems.

Information on trailer towing and the special equipment required should be obtained from a professional trailer dealer/installer.

TECHNICAL AND CONSUMER INFORMATION

Maximum load limits

Maximum trailer loads

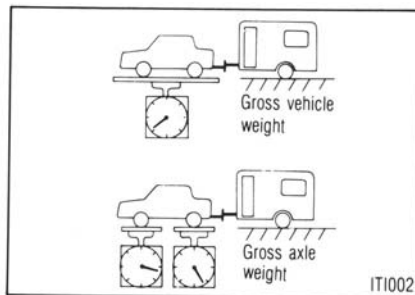
Never allow the total trailer load to exceed 1,000 lb (454 kg). The total trailer load equals trailer weight plus its cargo weight. Towing loads greater than 1,000 lb (454 kg) or using improper towing equipment could adversely affect vehicle handling, braking and performance.

WARNING:

Vehicle damage and/or personal injury resulting from improper towing procedures is not covered by INFINITI warranties. Information on trailer towing and required towing equipment should be obtained from dealers who specialize in providing trailers or other towing equipment.

Tongue load

Keep the tongue load between 9 and 11% of the total trailer load. If the tongue load becomes excessive, rearrange cargo to allow for proper tongue load.



Maximum gross vehicle weight/maximum gross axle weight

The gross vehicle weight of the towing vehicle must not exceed the gross vehicle weight rating (GVWR) shown on the F.M.V.S.S. certification

label. The gross vehicle weight equals the combined weight of the unloaded vehicle, passengers, luggage, hitch, trailer tongue load and any other optional equipment. In addition, front or rear gross axle weight must not exceed the gross axle weight rating (GAWR) shown on the F.M.V.S.S. certification label.

Trailer hitch

Choose a proper hitch for your vehicle and trailer. Make sure the trailer hitch is securely attached to the vehicle, to help avoid personal injury or property damage due to sway caused by crosswinds, rough road surfaces or passing trucks.

- Axle-mounted hitches should not be used.
- The hitch should not be attached to or affect the operation of the impact-absorbing bumper.
- Do not modify the vehicle exhaust system,

TECHNICAL AND CONSUMER INFORMATION

brake system, etc. when the hitch is installed.

- To reduce the possibility of additional damage if your vehicle is struck from the rear, remove the hitch when not in use. After the hitch is removed, seal the bolt holes to prevent exhaust fumes, water or dust from entering the passenger compartment.
- Regularly check to assure that all hitch mounting bolts are securely mounted.

Tire pressures

- When towing a trailer, inflate the vehicle tires to the recommended cold tire pressure indicated on the tire placard (located on the front face of the rear left wheel housing inside the vehicle.)
- Trailer tire condition, size, load rating and proper inflation pressure should be in accordance with the trailer and tire manufacturers' specifications.

Safety chain

Always use a suitable chain between your vehicle and the trailer. The chain should be crossed and should be attached to the hitch, not to the vehicle bumper or axle. Be sure to leave enough slack in the chain to permit turning corners.

Trailer lights

Trailer lights should comply with Federal and/or local regulations. When wiring the vehicle for towing, connect the stop and tail light pickup into the vehicle electrical circuit at a point between the sensor and stop light or light switch.

Trailer brakes

If your trailer is equipped with a braking system, make sure it conforms to Federal and/or local regulations and that it is properly installed.

CAUTION:

Never connect a trailer brake system directly to the vehicle brake system.

Pre-towing tips

- Be certain your vehicle maintains a level position when a loaded or unloaded trailer is hitched. Do not drive the vehicle if it has an abnormal nose-up or nose-down condition; check for improper tongue load, overload, worn suspension or other possible causes of either condition.
- Always secure items in the trailer to prevent load shifts while driving.
- Be certain your rear view mirrors conform to all federal, state or local regulations. If not, install any mirrors required for towing before driving the vehicle.

TECHNICAL AND CONSUMER INFORMATION

Trailer towing tips

In order to gain skill and an understanding of the vehicle's behavior, you should practice turning, stopping and backing up in an area which is free from traffic. Steering stability, and braking performance will be somewhat different than under normal driving conditions.

- Always secure items in the trailer to prevent load shift while driving.
- Avoid abrupt starts, acceleration or stops.
- Avoid sharp turns or lane changes.
- Always drive your vehicle at a moderate speed.
- Always block the wheels on both vehicle and trailer when parking. Parking on a slope is not recommended; however, if you must do so, first block the wheels and apply the parking brake, and then move the transmission shift lever into the "P" position. If you

move the shift lever to the "P" position before blocking the wheels and applying the parking brake, transmission damage could occur.

- When going down a hill, shift into a lower gear and use the engine braking effect. When ascending a long grade, downshift the transmission to a lower gear and reduce speed to reduce chances of engine overloading and/or overheating.
- If the engine coolant rises to an extremely high temperature when the air conditioning system is on, turn off the air conditioner. Coolant heat can be additionally vented by opening the windows, switching the fan control to high and setting the temperature control to the "HOT" position.
- Trailer towing requires more fuel than normal circumstances.

- Avoid towing a trailer for the first 500 miles (800 km).
- Have your vehicle serviced more often than at intervals specified in the recommended Maintenance Schedule.
- When making a turn, your trailer wheels will be closer to the inside of the turn than your vehicle wheels. To compensate for this, make a larger than normal turning radius during the turn.
- Crosswinds and rough roads will adversely affect vehicle/trailer handling, possibly causing vehicle sway. When being passed by larger vehicles, be prepared for possible changes in crosswinds that could affect vehicle handling. If swaying does occur, firmly grip the steering wheel, steer straight ahead, and immediately (but gradually) reduce vehicle speed. This combination will

TECHNICAL AND CONSUMER INFORMATION

help stabilize the vehicle. Never increase speed.

- Be careful when passing other vehicles. Passing while towing a trailer requires considerably more distance than normal passing. Remember the length of the trailer must also pass the other vehicle before you can safely change lanes.
- To maintain engine braking efficiency and electrical charging performance, do not use overdrive (automatic transmission).
- Avoid holding the brake pedal down too long or too frequently. This could cause the brakes to overheat, resulting in reduced braking efficiency.

When towing a trailer, change fluid in the transmission more frequently.

See the Maintenance Schedule.

UNIFORM TIRE QUALITY GRADING

DOT Quality Grades: All passenger car tires must conform to Federal Safety Requirements in addition to these grades.

Treadwear

Treadwear grade is a comparative rating based on tire wear rate when tested under controlled conditions on specified government test courses. For example, a tire graded 150 would wear one and a half (1-1/2) times as well on the government course as a tire graded 100. However, relative tire performance depends on actual driving conditions, and may vary significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction A, B and C

Traction grades are A (the highest), B and C.

They represent a 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 with a C may have poor traction performance.

WARNING:

The traction grade assigned to your vehicle tires is based on straight line braking traction tests and does not include cornering (turning) traction.

Temperature A, B and C

Temperature grades are A (the highest), B, and C. They represent a tire's resistance to heat build-up, and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause tire material to degenerate, reducing tire life. Excessive temper-

TECHNICAL AND CONSUMER INFORMATION

atures can lead to sudden tire failure. Grade C corresponds to a performance level which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades A and B represent higher levels of performance on laboratory test wheels than the minimum required by law.

WARNING:

The temperature grade 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.

EMISSION CONTROL SYSTEM WARRANTY

Your INFINITI is covered by the following emission warranties.

For U.S.A.

- 1) Emission Defects Warranty
- 2) Emissions Performance Warranty
(See the Warranty Booklet for details)

For Canada

Emission Control System Warranty

Details of these warranties may be found with other vehicle warranties in your warranty information booklet that comes with your INFINITI. If you did not receive a warranty information booklet, or it has become lost, you may obtain a replacement by writing to:

- Nissan Motor Corporation in U.S.A.
Consumer Affairs Department

P.O. Box 47038, Gardena, CA 90248

- Nissan Canada Inc.
P.O. Box 1709, Station "B"
Mississauga, Ontario,
L4Y 4H6
- Nissan Motor Corporation in Hawaii, Ltd.
Consumer Affairs department
2880 Kiliha Street
Honolulu, Hawaii 96819

REPORTING SAFETY DEFECTS (U.S.A.)

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 INFINITI.

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

TECHNICAL AND CONSUMER INFORMATION

may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or INFINITI.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to: NHTSA, U.S. Department of Transportation, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

You may notify INFINITI by contacting our Consumer Affairs Department, toll-free, at 1-800-662-6200.
In Hawaii call 531-0231.

A

Accessory box.....	2-17
Air bag warning light.....	2-10
Air cleaner filter.....	7-15
Air conditioner	
Automatic air conditioner.....	3-3
Air-fuel mixture control.....	9-6
AM radio reception.....	3-7
AM-FM radio with cassette player (Active speaker system).....	3-9
AM-FM radio with cassette player (Bose audio system).....	3-8
AM-FM radio with cassette player (Bose audio system or active speaker system).....	3-10
Anti-lock brake system.....	4-15
Automatic	
Automatic air conditioner.....	3-3
Automatic drive.....	2-12
Automatic transmission fluid.....	7-9
Driving with automatic transmission.....	4-5
Power window automatic switch.....	1-20

B

Battery.....	7-13
--------------	------

Before starting the engine.....	4-5
Brake	
Anti-lock brake system.....	4-15
Brake booster.....	7-18
Brake fluid.....	7-12
Brake pedal.....	7-17
Parking brake.....	7-17
Parking brake pedal.....	4-9
Steering, suspension and brake systems.....	9-10
Break-in schedule.....	4-11

C

Capacities and recommended fuel/lubricants.....	9-18
Car phone or CB radio.....	3-15
Catalytic converter.....	4-2
Changing	
Changing engine coolant.....	7-5
Changing engine oil.....	7-7
Changing engine oil filter.....	7-8
Check locations in engine compartment.....	7-3
Checking engine coolant level.....	7-4
Checking engine oil level.....	7-6
Child restraint systems for infants and small children.....	2-23
Child safety rear door lock.....	2-3

Chrome parts.....	6-3
Cigarette lighter and ashtrays.....	1-18
Cleaning exterior and interior.....	6-2
Clock.....	1-21
Cold weather driving cautions.....	4-18
Control of combustion temperature.....	9-7
Coolant	
Changing engine coolant.....	7-5
Checking engine coolant level.....	7-4
Corrosion protection.....	6-6
Cruise control.....	4-10

D

Defogger switch	
Outside mirror defogger switch.....	1-15
Rear window defogger switch.....	1-15
Diagnostic information display.....	1-12
Dimensions and weights.....	9-24
Door locks.....	2-2
Drive belts.....	7-14
Driving	
Cold weather driving cautions.....	4-18
Driving with automatic transmission.....	4-5
Precautions when starting and driving.....	4-2

INDEX

E

Economy hints	4-12
Emission control	9-33
Emission control information label	9-27
Engine	9-23
Before starting the engine	4-5
Changing engine coolant	7-5
Changing engine oil	7-7
Changing engine oil filter	7-8
Check locations in engine compartment	7-3
Checking engine coolant level	7-4
Checking engine oil level	7-6
Engine cooling system	7-4
Engine oil	7-6, 10-6
Engine oil and oil filter recommendation	9-20
Engine serial number	9-26
Starting the engine	4-9

F

Flat tire	5-2
Fluid	
Automatic transmission fluid	7-9
Brake fluid	7-12
Full-active suspension fluid	7-11

Power steering fluid	7-10
Traction control system fluid	7-12
Window washer fluid	7-13
FM radio reception	3-7
F.M.V.S.S. certification label	9-27
Foldable outside mirror	2-30
Freeing vehicle from sand, snow or mud	5-13
Fuel	10-6
Air-fuel mixture control	9-6
Capacities and recommended fuel/lubricants	9-18
Fuel filler cap	2-7
Fuel filler cap holder	2-7
Fuel filler lid	2-6
Fuel gauge	1-6
Fuel requirement	9-19
Sequential, multiport fuel injection	9-6
Full-active suspension	4-15
Full-active suspension fluid	7-11
Full-active suspension height control switch	1-18
Fuses	7-18
Fusible links	7-19

G

Gas station information	10-6
Gauge	

Fuel gauge	1-6
Meters and gauges	1-3
General maintenance	8-3
Glove box lock	2-5

H

Hazard warning flasher switch	1-17
Head restraints	2-16
Headlight and turn signal switch	1-16
Headlights	7-20
Hood release	2-4

I

Idle speed control	9-7
If the sun roof does not close	1-21
If your vehicle	5-10
Ignition switch	4-3
Ignition timing control	9-7
Inside mirror	2-30
Inside the vehicle	8-3
Installing front license plate	9-28
Instrument brightness control and foot light switch	1-17
Instruments and controls	1-1

INDEX

Interior light..... 1-22

J

Jump starting 5-7, 7-14

K

Key..... 2-2

L

License plate

Installing-front license plate..... 9-28

Light

Air bag warning light..... 2-10

Headlight and turn signal switch..... 1-16

Headlights..... 7-20

Instrument brightness control and

foot light switch..... 1-17

Interior light..... 1-22

Light bulbs..... 7-20

Other lights..... 7-21

Personal light..... 1-22

Vanity mirror light..... 1-23

Warning/indicator light and chime..... 1-7

Lock

Anti-lock brake system..... 4-15

Child safety rear door lock..... 2-3

Door locks..... 2-2

Glove box lock..... 2-5

Power door lock..... 2-4

M

Maintenance

General maintenance..... 8-3

Periodic maintenance..... 8-5

Seat belt maintenance..... 2-23

Major systems and how they work..... 9-2

Meters and gauges..... 1-3

Mirror

Foldable outside mirrors..... 2-30

Inside mirror..... 2-30

Outside mirror defogger switch..... 1-15

Outside mirror remote control..... 2-30

Vanity mirror light..... 1-23

Vanity mirror (Sun visor)..... 2-31

O

Odometer..... 1-4

Oil

Changing engine oil..... 7-7

Changing engine oil filter..... 7-8

Checking engine oil level..... 7-6

Engine oil..... 7-6, 10-6

Engine oil and oil filter recommendation..... 9-20

Opener cancel switch for trunk lid..... 2-6

Operating precautions..... 4-16

Other lights..... 7-21

Outside mirror defogger switch..... 1-15

Outside mirror remote control..... 2-30

P

Parcel shelf box..... 2-31

Parking

Parking brake..... 7-17

Parking brake pedal..... 4-9

Parking/parking on hills..... 4-13

Periodic maintenance..... 8-5

Personal light..... 1-22

Power

Power door lock..... 2-4

Power steering fluid..... 7-10

Power support seat..... 2-15

Power window..... 1-19

Power window automatic switch..... 1-20

INDEX

Precautions	7-2
Operating precautions	4-16
Precautions on seat belt usage	2-17
Precautions when driving	4-14
Precautions when starting and driving	4-2
Push starting	5-10

Q

Quick reference	10-6
-----------------------	------

R

Radio	3-6
AM radio reception	3-7
AM-FM radio with cassette player (Active speaker system)	3-9
AM-FM radio with cassette player (Bose audio system)	3-8
AM-FM radio with cassette player (Bose audio system or active speaker system) ...	3-10
Car phone or CB radio	3-15
FM radio reception	3-7
Radio reception	3-6
Rear window defogger switch	1-15
Recommended SAE viscosity number	9-22
Reporting safety defects	9-33

Roadside assistance program	5-2
-----------------------------------	-----

S

Safety	
Child safety rear door lock	2-3
Reporting safety defects	9-33
Schedule 1	8-5
Schedule 2	8-6, 8-9
Seat belt	
Precautions on seat belt usage	2-17
Seat belt extenders	2-23
Seat belt maintenance	2-23
Seat belts	2-17
Seats	2-15
Self-diagnosis	9-8
Sequential, multiport fuel injection	9-6
Spark plug replacement	7-15
Speedometer	1-4
Starting	
Before starting the engine	4-5
Jump starting	5-7, 7-14
Precautions when starting and driving	4-2
Push starting	5-10
Starting the engine	4-9
Steering	

Power steering fluid	7-10
Steering, suspension and brake systems	9-10
Telescopic steering column	2-29
Tilting steering column	2-29
Sun roof	1-20
Supplemental	2-8
Switch	

Full-active suspension height control switch	1-18
Hazard warning flasher switch	1-17
Headlight and turn signal switch	1-16
Ignition switch	4-3
Instrument brightness control and foot light switch	1-17
Opener cancel switch for trunk lid	2-6
Outside mirror defogger switch	1-15
Power window automatic switch	1-20
Rear window defogger switch	1-15
Traction control cancel switch	1-18
Windshield wiper and washer switch	1-14

T

Tachometer	1-5
Telescopic steering column	2-29
Temperature conditions for checking	7-9
Temperature sensor	3-6

INDEX

Tilting steering column.....	2-29
Tire	
Flat tire	5-2
Tire cold pressure	10-6
Tire placard.....	9-27
Wheels and tires.....	7-27, 9-24
Tow truck towing.....	5-11
Towing	
Tow truck towing.....	5-11
Trailer towing.....	9-28
Traction control cancel switch	1-18
Traction control system.....	4-17
Traction control system fluid.....	7-12
Trailer towing.....	9-28
Transmission	
Automatic transmission fluid.....	7-9
Driving with automatic transmission.....	4-5
Transmission select lever operation.....	4-6
Trip odometer.....	1-4
Trunk lid	2-5

U

Under the hood and vehicle.....	8-4
---------------------------------	-----

V

Vanity mirror light.....	1-23
Vanity mirror (Sun visor).....	2-31
Variable valve timing control system	9-4
Vehicle identification	
Vehicle identification number (Chassis number) ..	9-26
Vehicle identification number plate.....	9-25
Vehicle identification plate.....	9-26
Ventilator	3-2

W

Warning	
Air bag warning light.....	2-10
Hazard warning flasher switch	1-17
Warning/indicator light and chime	1-7
Wheels and tires.....	7-27, 9-24
When traveling or registering your vehicle	
in another country.....	9-25
Window washer fluid	7-13
Windshield wiper and washer switch	1-14
Wiper	
Windshield wiper and washer switch.....	1-14
Wiper blade	7-16

GAS STATION INFORMATION

FUEL

Unleaded premium gasoline of at least 91 AKI (96 RON). If unleaded premium gasoline is not available, Unleaded regular gasoline with 87 AKI (91 RON) may be temporarily used.

For further details on fuels such as unleaded regular gasoline and gasohol, see "Fuel recommendation" in the "Technical and consumer information" section.

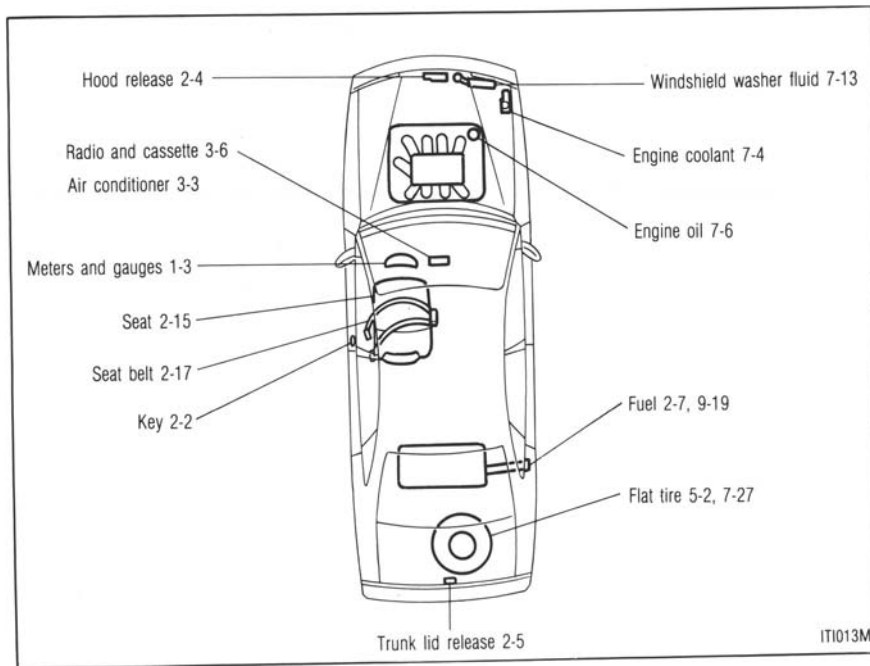
ENGINE OIL

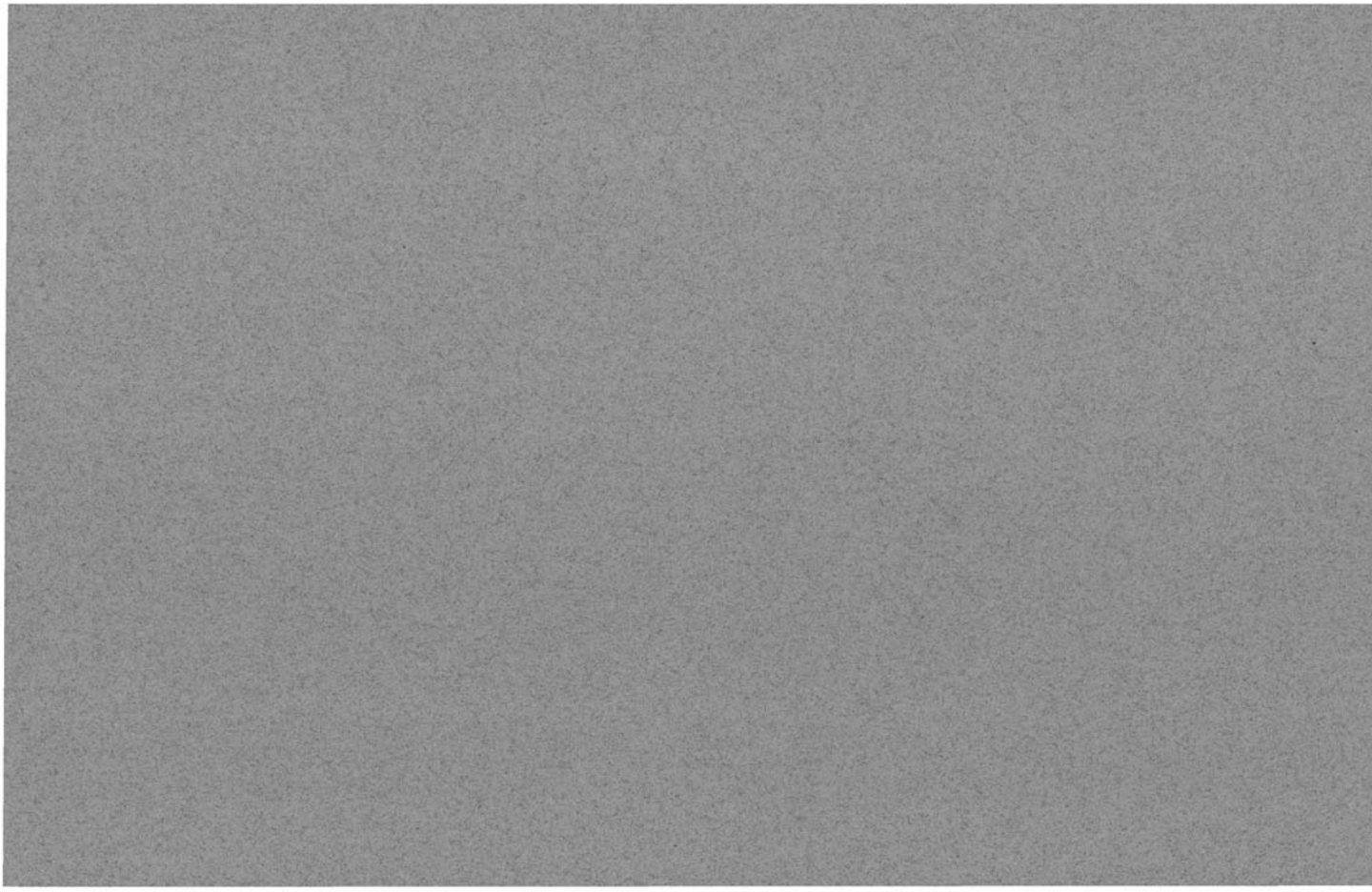
Energy Conserving Oils of API SG, SAE 10W-30 is preferable for temperatures above 0°F (-18°C). See "Engine oil and oil filter recommendation" in the "Technical and consumer information" section.

Tire cold pressure:

See tire placard located on the front face of the rear left wheel housing inside the vehicle.

QUICK REFERENCE





OM0E0G50U2

Printed in U.S.A.