



Owner's Manual

F430

Introduction

The aim of this Owner's Manual is to help you get the best value from your vehicle and to provide information on routine maintenance.

We advise you to read it carefully before setting out. The Owner's Manual is an integral part of the vehicle and it must therefore always be kept on board.

This manual refers to vehicles with two types of transmission:

- F1 electronically-controlled gearbox
- mechanical gearbox

Therefore some information may vary depending on the gearbox installed.

Consulting the manual

To facilitate reading and fast consultation, the topics have been divided into sections and chapters. The important parts requiring particular attention are easily identifiable in the sections and chapters.



Extreme caution required: failure to comply with the instructions could cause hazardous situations involving personal and vehicle safety!

Important note: warning aimed at preventing any damage to the vehicle and thus hazards involving the safety of persons.

Abbreviations

Some descriptions and terms with particular meanings are found in this manual in an abbreviated form:

A.C.	AIR CONDITIONING SYSTEM
ABS	ANTI-LOCK BRAKING SYSTEM
ASR	ANTI-SKID REGULATION during acceleration
EBD	ELECTRONIC BRAKE-FORCE DISTRIBUTION
CST	TRACTION STABILITY CONTROL
MSR	Engine braking torque adjustment
ECU	ELECTRONIC CONTROL UNIT
F1	FORMULA 1 - Electronically-controlled gearbox, designed with the same technology as used in the racing sector
L.C.	LAUNCH CONTROL - strategy for performance standing start.

Service

The information contained in this manual is limited to those instructions and indications that are strictly required for the use and good preservation of the vehicle.

Carefully following the instructions contained herein will help you get the best results and satisfaction from your vehicle.

We also recommend you have all the checks and service carried out at our Dealers or Authorised Workshops as they have the skilled staff and appropriate equipment available.

See the "Sales and Service Organisation" manual for the locations of the **FERRARI** Dealers and **AUTHORISED SERVICE CENTRES**.

The **FERRARI** Technical Service Department is at your complete disposal for any information and suggestions.

Updating

The high quality of your vehicle is guaranteed by constant improvements and there may hence be differences between this manual and your vehicle.

All specifications and illustrations contained in this manual refer to those resulting as of the printing date.

Spare parts

When replacing parts or topping up with lubricants and fluids, we recommend you use original spare parts and the lubricants and fluids recommended by FERRARI.

The FERRARI warranty is voided if ORIGINAL FERRARI SPARE PARTS are not used for repairs.

Chassis

The chassis of this vehicle is entirely constructed of aluminium.

If the chassis is damaged in an accident, have it repaired at the FERRARI SERVICE NETWORK only.

Using non-original spare parts and having inexperienced persons carry out repairs may have serious consequences for the vehicle.

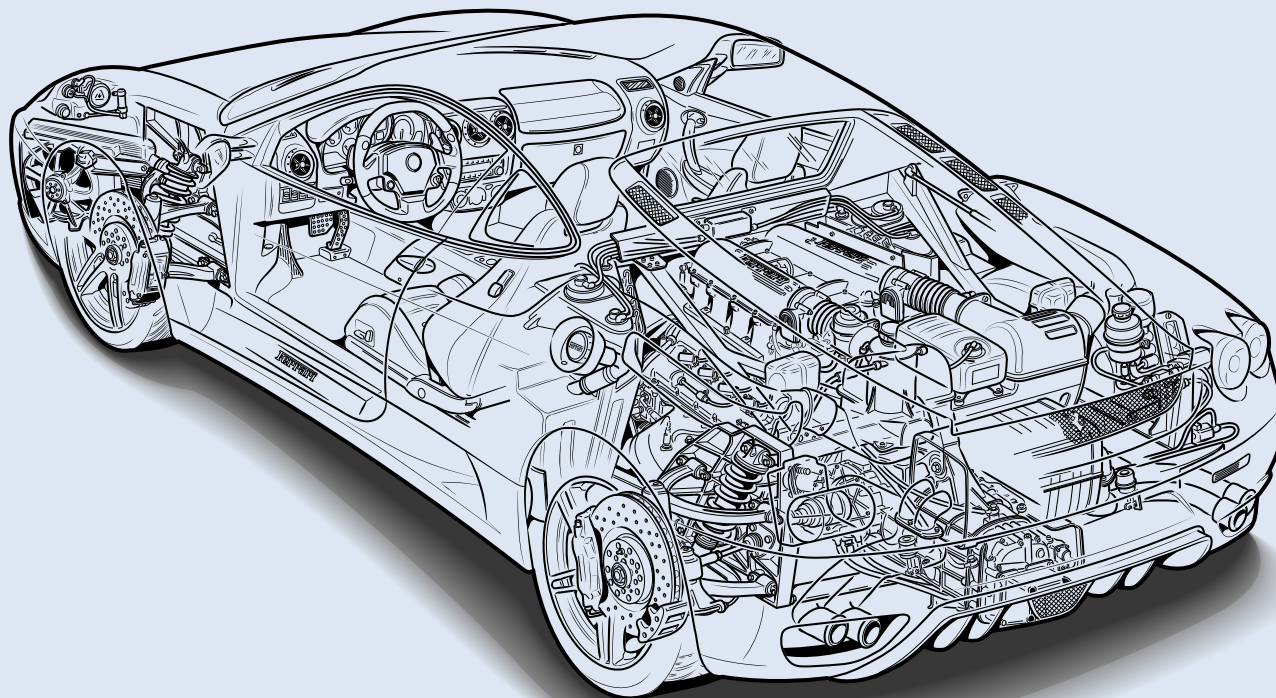
In normal conditions of use the chassis does not require any maintenance; it is however advisable to contact the FERRARI SERVICE NETWORK at the intervals indicated in the Service Time Schedule in order to have it checked.

 Should emergency repairs be required, it is advisable to have the vehicle checked by the FERRARI SERVICE NETWORK as soon as possible.

F1 gearbox

 **Warning:** The vehicle may be fitted with an electro-hydraulically-controlled gearbox system, driven by means of levers on the steering wheel.

Even though the system can be used in "Automatic" mode, it should not be considered an automatic gearbox. Hence, for proper use always follow the instructions given in this manual on page 70.



1 - General information

2 - About your vehicle

3 - Driving your vehicle

4 - In an emergency

5 - Maintenance

6 - Technical information

7 - Table of contents

1 - General information

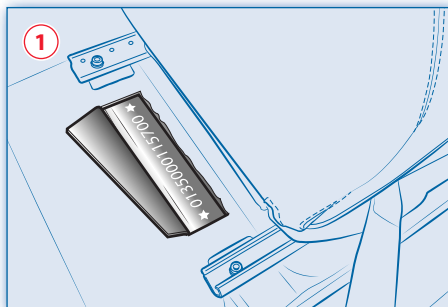
Identification and homologation data	8
Instruction plates	9
Main engine specifications	10
Transmission ratios	10
Performance	10
Consumption and CO ₂ emissions	11
Dimensions and weights	11
Rims and tyres	12
Electric system	13
Recommended lubricants and fluids	14



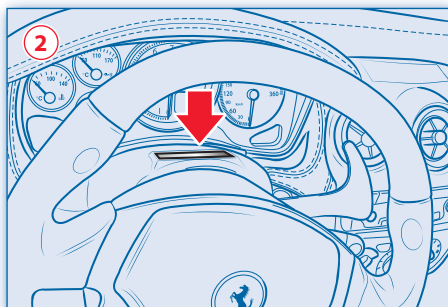
Identification and homologation data

Identification data:

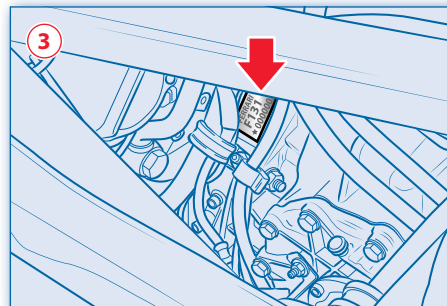
- ① Punched **chassis** number.



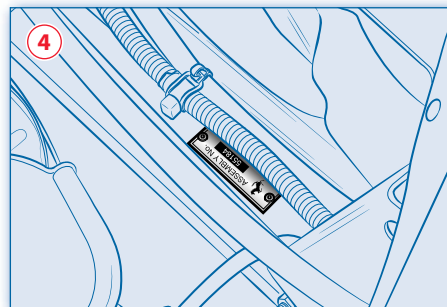
- ② Summary plate with **chassis** type and number.



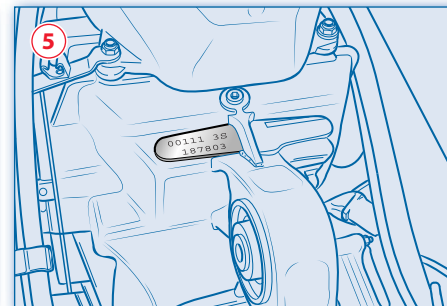
- ③ Punched **engine** type and number.



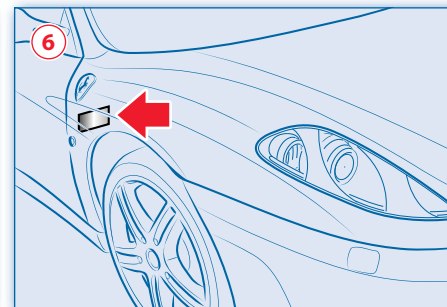
- ④ Assembly number **plate**.



- ⑤ Punched **gearbox** type and number.



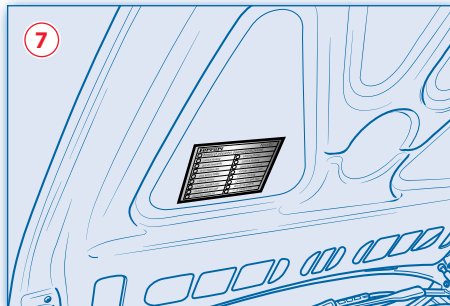
- ⑥ **Vehicle** identification.



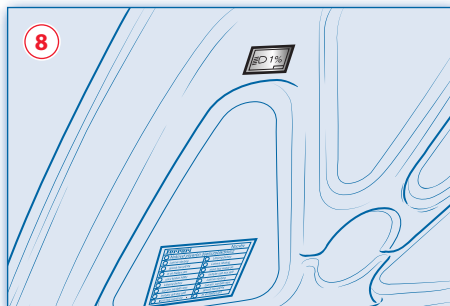
1 - General information

Homologation plates:

- ⑦ ECE homologation.

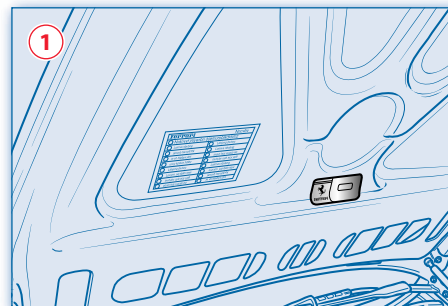


- ⑧ High beam homologation.

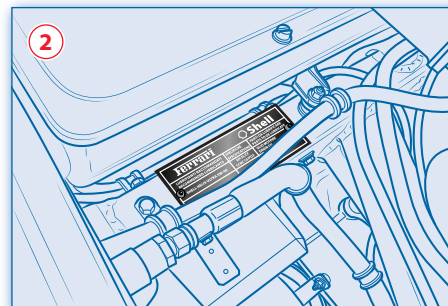


Instruction plates

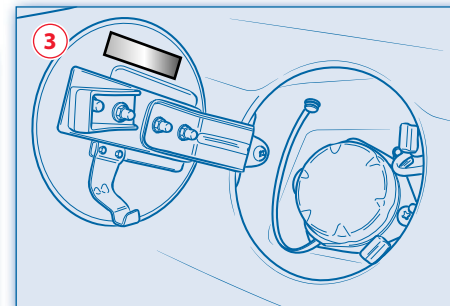
- ① Paint code plate.



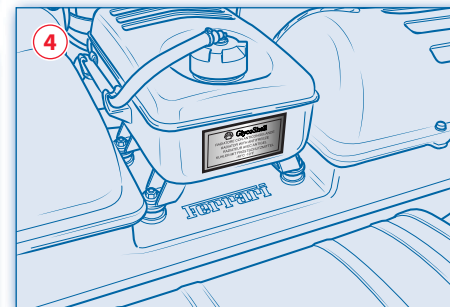
- ② Lubricants plate.



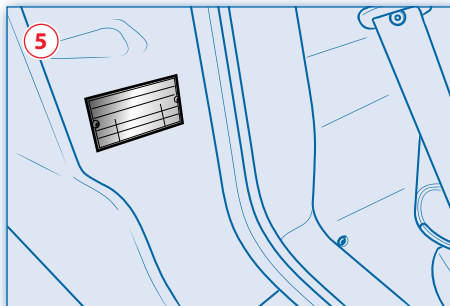
- ③ Fuel plate.



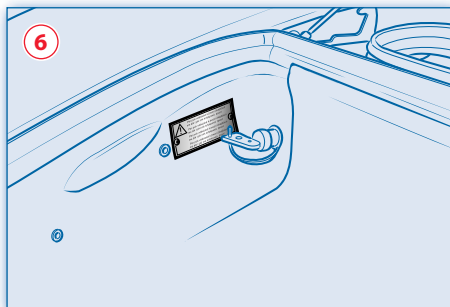
- ④ Antifreeze plate.



⑤ Tyre pressure plate.



⑥ Battery master switch plate.



Main engine specifications

Type	F 136 E
Number of cylinders	8 - V 90°
Cylinder bore	mm 92 (3.622 in.)
Piston stroke	mm 81 (3.189 in.)
Total displacement	cm ³ 4308 (262.788 cu.in.)
Compression ratio	11,3 : 1
(*) Max power: (2002/80B/CE)	kW 360,3 (490 HP)
Corresponding r.p.m.	rpm 8500
Maximum torque (2002/80B/CE)	Nm 465
Corresponding r.p.m.	rpm 5250

(*) *A slight boosting is attainable at top speed.*

Transmission ratios

Gear ratios	Differential bevel gear pair ratio	Total transmission ratio (engine/wheel rev)
1 46 / 14 = 3,29	4,30 (10/43)	1 14,13
2 41 / 19 = 2,16		2 9,28
3 37 / 23 = 1,61		3 6,92
4 33 / 26 = 1,27		4 5,46
5 30 / 29 = 1,03		5 4,45
6 31 / 38 = 0,82		6 3,51
R 41 / 15 = 2,73		R 11,75

Performance

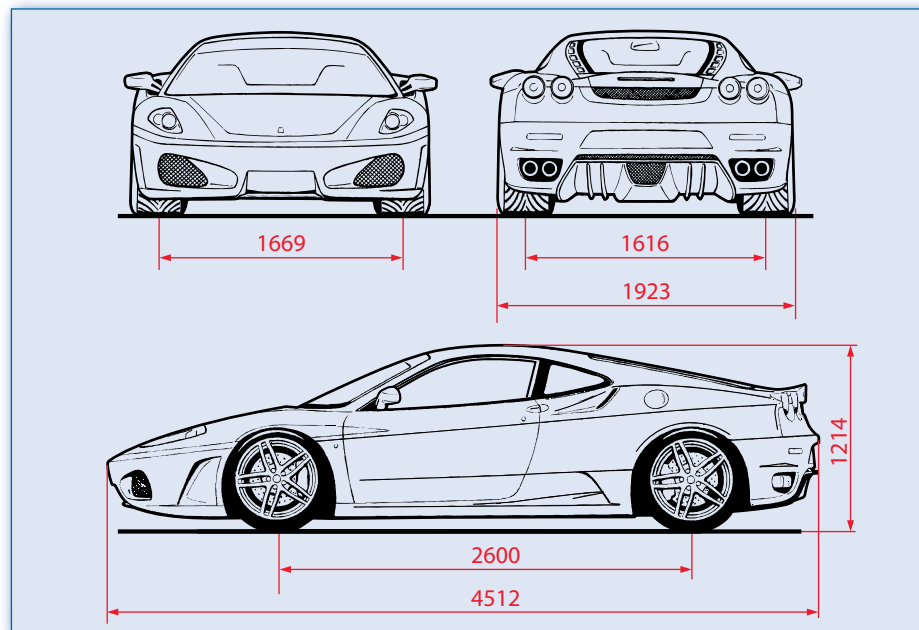
	0-100 km/h	0-400 m	0-1000 m	Max. speed.
F1 gearbox	4,0 sec.	11,95 sec	21,60 sec	over 315 km/h (195.74 mph)
Mechanical gearbox	4,0 sec.	12,00 sec	21,65 sec	over 315 km/h (195.74 mph)

Consumption and CO₂ emissions

<i>Dir. 1999/100 EEC</i>	<i>g/km</i>	<i>l/100 km</i>
• Urban cycle	615	26,9
• Extra-urban cycle	305	13,3
• Combined cycle	420	18,3

Dimensions and weights

Wheel base	2600 mm (102.36 in.)
Max. length	4512 mm (177.63 in.)
Max. width	1923 mm (75.70 in.)
Max. height	1214 mm (47.79 in.)
Front track	1669 mm (65.70 in.)
Rear track	1616 mm (63.62 in.)
Kerb weight	1450 Kg (3196.67 lb.)



Rims and tyres

Wheel rims

<i>Front</i>	<i>Rear</i>	<i>Spare wheel</i>
7,5" J x 19"	10" J x 19"	3,5" J x 19"

Tyres tested by FERRARI (all tyres without air chamber)

	<i>Front</i>	<i>Rear</i>	Inflation pressure (cold)	
			<i>Front</i>	<i>Rear</i>
Pirelli P Zero Rosso	225/35 ZR19"	285/35 ZR19"	2,2 bar (32,3 psi)	2,2 bar (32,3 psi)
Bridgestone Potenza RE050A	225/35 ZR19"	285/35 ZR19"	2,3 bar (33,8 psi)	2,5 bar (36,7 psi)
Michelin Pilot Sport 2	225/35 ZR19"	285/35 ZR19"	2,2 bar (32,3 psi)	2,4 bar (35,3 psi)

Optional tyres (Run Flat)

Goodyear Regol F1 GS-D3 EMT	225/35 ZR19"	285/35 ZR19"	2,5 bar (36,7 psi)	2,5 bar (36,7 psi)
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Snow tyres (max. speed 210 km/h)

Pirelli Winter Sottozero	225/35 ZR19"	285/35 ZR19"
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Replacing a wheel



For the correct procedure, see the notes on page 82.

<i>Stud bolt pre-tightening</i>	<i>Stud bolt final tightening</i>
35÷40 Nm	100 Nm

Spare wheel

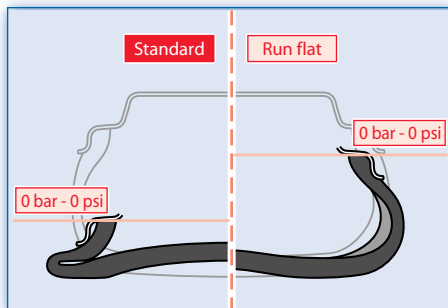
<i>Tyre (max. speed 80 km/h)</i>	<i>Inflation pressure (cold)</i>
Pirelli T 115/70 R19"	4,2 bar (62 psi)

“Run flat” tyres (optional)

The vehicle can be fitted with “Run Flat” tyres. This type of tyre has reinforced sidewalls which permit the vehicle to continue travelling at a moderate speed (80 km/h - 50 mph) for a set distance, even in the event of a puncture.

Always comply with the specified wheel alignment values, as this is fundamental to obtain the best performance from and the longest life of your tyres.

Further information on these tyres and the relevant pressure monitoring system can be found in the “Scaglietti Bodywork” Owner’s manual.



Electric system

Power supply voltage

12 V

Battery

Fiamm ECO FORCE VR760 - 12V - 65 Ah
- 450 A

Alternator

Nippondenso 150 A

Starter motor

Nippondenso

Key-operated circuits

- Starting
- Windscreen wipers and washer
- Stop lights
- Direction indicators
- Hazard lights
- Rear fog lights
- Reverse lights
- Glove compartment light
- Cigarette lighter
- Ignition
- Injection
- Electric fuel pumps
- Air conditioning and heating system
- Instruments
- Water radiator cooling fan motors
- Heated rear window and rear view mirror defroster

- Exterior rear view mirror adjustment
- Shock absorber calibration control system
- CST system
- Exhaust temperature control circuit
- Tyre pressure monitoring system (optional)

Recommended lubricants and fluids

<i>Parts to be refilled</i>	<i>Quantity</i>	<i>Fill with:</i>	<i>Ref. Page</i>
Engine			
Total system capacity	10 l (2.2 Imp.Gall.)	 Shell HELIX ULTRA SAE 5W-40	99-110
Oil quantity between MIN and MAX	1,5 l (0.33 Imp.Gall.)		
Oil consumption (depending on driving conditions)	1,0 ÷ 2,0 l / 1.000 km		
Gearbox and differential (including lines)	3,5 l (0.77 Imp.Gall.)	 Shell TRANSAXLE OIL SAE 75W-90	117
F1 gearbox system - Electronic differential	1,0 l (0.22 Imp.Gall.)	 Shell DONAX TX	99
Brake and clutch system	1,3 l (0.286 Imp.Gall.)	 Shell DONAX UB BRAKE FLUID	
		DOT4 Ultra	100
Cooling circuit	17,5 l (3.85 Imp.Gall.)	GLYCOSHELL	100-111
• 50:50 mixture of water and coolant			
Hydraulic steering system	1,8 l (0.396 Imp.Gall.)	 Shell DONAX TX	99
Steering box	100 g (0.22 Imp.Gall.)	 Shell RETINAX CS00	
Fuel tank	95,0 l (20.89 Imp.Gall.)	Unleaded fuel 95 N.O.	112
Reserve	20,0 l (4.4 Imp.Gall.)		
Air conditioning and heating system			119
Compressor	165 cc (10.065 cu.in.)	DELPHI 7CVC	
Compressor oil	150 cc (9.15 cu.in.)	DELPHI RL897	
Coolant	800 ± 30 g (1.863±0.066 lb.)	"R 134 A"	
Windscreen and headlight washer tank	6,5 l (1.43 Imp.Gall.)	Mixture of water and glass cleaner	103

Note: To clean the windscreen, use one phial of glass-cleaner in summer and two in winter.

2 - About your vehicle

Keys	16
Alarm system	16
Steering wheel controls	21
Instrument panel	29
Warning lights	32
Multi-function display	34
Dashboard controls	36
Controls on the tunnel	43
Doors	46
Seat controls	47
Interior rearview mirror	49
Safety	50
Seat belts	51
Airbag	55
Passenger compartment accessories	57
Internal lights	59
Hands-free microphone (optional)	59
Engine compartment lid	60
Air conditioning and heating system	61



Keys

The vehicle is delivered with two identical keys.

 Write the code number of the key in the space provided in the warranty booklet.

A duplicate of the keys can be requested communicating the identification number to the FERRARI SERVICE NETWORK.



Key codes

A CODE CARD is supplied with the keys. This card indicates the following:

- the electronic code to be used for “emergency starting”;
- the mechanical code for the keys, to be given to the **FERRARI SERVICE NETWORK** in the case that you request duplicates of the keys.

 The code numbers shown on the CODE CARD should be kept in a safe place.

 You are advised to always keep the CODE CARD number with you, as this is absolutely necessary in the event of an “emergency start”.

In the event of a vehicle ownership transfer, it is essential that the new owner is provided with all the keys and with the CODE CARD.

You are advised to record and keep the codes listed on the tags delivered with the keys and the remote control in a safe place (not in the vehicle) in order to request duplicates if needed.

Alarm system

FERRARI CODE system

For greater protection against theft, the vehicle is equipped with an electronic engine immobilizer system (FERRARI CODE), which is automatically activated when the ignition key is removed.

Each ignition key contains an electronic device which transmits a code signal to the FERRARI CODE control unit, and engine ignition is enabled only if the key code is acknowledged by the system.

Two keys are supplied with the vehicle.

The key serves to:

- lock/unlock the doors (central door locking)
- activate/deactivate the passenger airbag (not present in Australian and Japanese versions)
- activate/deactivate the alarm.

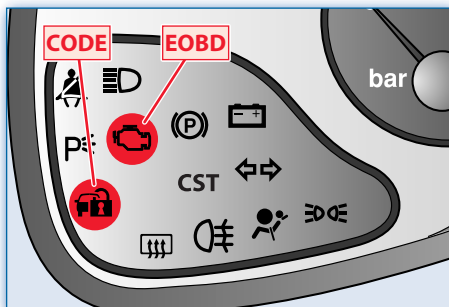
Operation

Each time the ignition key is removed from position 0, the protection system activates the engine immobilizer.

- When starting the engine, press the **ENGINE START** button on the steering wheel:



- 1) If the code is recognized, the **CODE** warning light on the instrument panel goes off within a second, while the **EOBD** warning light goes off after about four seconds once the ECU diagnostic cycle has been completed. In these conditions, the protection system recognizes the key code and deactivates the engine immobilizer.



- 2) If the **CODE** warning light stays on and the **EOBD** warning light does not

go off after the four seconds required by the ECU to run a diagnostic cycle, the code has not been recognised. In this case, it is advisable to turn the key back into position 0 then back to II. If the immobilizer stays on, try with the other keys. If you are still unable to start the engine, do an emergency start (see the chapter "Emergency starting") and contact the **FERRARI SERVICE NETWORK**.

- When driving with the ignition key in position **II**:
- 1) If the **CODE** warning light comes on, it means that the system is running a self-diagnostic cycle. At the first stop you can test the system: switch off the engine by turning the ignition key to position **0**, then turn it back to position **II**: the **CODE** warning light will come on and should go off within one second. If the warning light stays on, repeat the procedure described previously leaving the key at **0** for more than 30 seconds.

If the problem persists, contact the **FERRARI SERVICE NETWORK**.

- 2) If the **CODE** warning light flashes, it means that the vehicle is not protected by the immobilizer device.

Immediately contact the **FERRARI SERVICE NETWORK** to have all the keys stored in the memory.

Strong impact can damage the electronic components in the key.

Each key supplied has its own specific code, which must be stored in the memory of the system control unit.

Duplicating the keys

When ordering additional keys, remember that the storage procedure (maximum 7 keys) must be carried out for all the keys, including those already in your possession. Directly contact the **FERRARI SERVICE NETWORK**, bringing with you all the keys in your possession, the CODE CARD for the FERRARI CODE system, a personal ID document and the registration documents proving ownership of the car.

The codes of any keys that are not available when the new storage procedure is carried out will be deleted from the memory to prevent any lost or stolen keys being used to start the vehicle.

Emergency starting

If the FERRARI CODE fails to disable the engine immobilizer, the CODE warning light comes on fixed and the EOBD warning light goes off after four seconds and then comes on again immediately, and the engine will not start. In this condition, the engine can only be started with the emergency starting procedure.

It is recommended to carefully read through the whole procedure before carrying it out.

If you make a mistake, turn the key to position 0 and repeat the operation from step 1.

- 1) Read the 5-digit electronic code found on the CODE CARD.
- 2) Turn the ignition key to position **II**: at this point, the **CODE** and **EOBD** warning lights stay on.
- 3) Push and hold down the accelerator pedal. After approximately 8 seconds, the **EOBD** warning light will go off. Release the accelerator pedal and get ready to count the number of times the **EOBD** warning light flashes.
- 4) Wait until the number of flashes is equal to the first digit of your CODE CARD, then push and hold down the accelerator pedal until the **EOBD** warning light goes off after about 4 seconds, then release the accelerator pedal.
- 5) The **EOBD** warning light starts flashing again. When the number of flashes is equal to the second digit of your CODE CARD, push and hold down the accelerator pedal.
- 6) Proceed in the same manner for the remaining digits in the code on the CODE CARD.
- 7) When the last digit has been entered, hold the accelerator pedal pushed down. The **EOBD** warning light comes on for 4 seconds and then goes off;

release the accelerator pedal.

- 8) When the **EOBD** warning light flashes fast (for about 4 seconds) it confirms that the procedure has been carried out correctly.
- 9) Proceed with starting the engine by pressing the **ENGINE START** button on the steering wheel.

If the **EOBD** warning light remains on, turn the key to position 0 and repeat the procedure from step 1.

This procedure can be repeated an unlimited number of times.

After an emergency start, it is advisable to contact the **FERRARI SERVICE NETWORK** as the emergency starting procedure has to be carried out for each starting.

Electronic alarm system

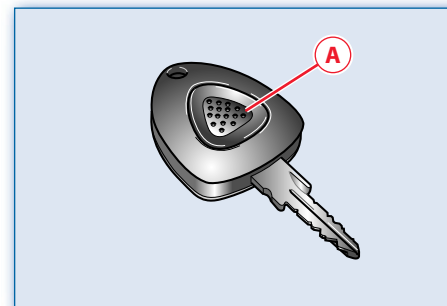
The electronic alarm system carries out the following functions:

- remote control for central door locking;
- perimeter surveillance, detecting when the doors or lids are opened;
- car movement surveillance.

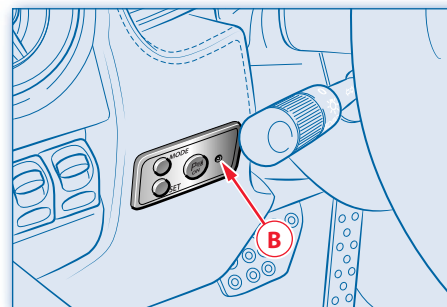
The engine immobilizer function is guaranteed by the **FERRARI CODE** system, which is automatically activated when the ignition key is removed from the switch.

System activation

Press button **A** on the key to activate the alarm system:



- the direction indicators flash once
- the red LED **B** on the dashboard flashes



- the central door locking system is activated and the doors are locked.
- After about 25 seconds, the system is active and the alarm will be triggered if:
- a door is opened
 - the luggage compartment lid is opened
 - the engine compartment lid is opened
 - the power is cut

2 - About your vehicle

- the siren is disconnected
- the car is moved.

Should the siren beep twice when you activate the alarm system, this means that one of the doors or the luggage/engine compartment lid is not perfectly closed and therefore is not protected by the perimeter surveillance.

Check that the doors and lids are properly closed and close the open door or lid, then reactivate the alarm system.

Deactivation

Press button **A** on the key to deactivate the alarm system:

- the direction indicators flash once;
- the red LED **B** on the dashboard goes off;
- the central door locking system is activated and the doors are unlocked.

The alarm system is off and you can get into the vehicle and start the engine.

If the remote control battery is flat, to access the vehicle, you must use the spare key or replace the battery as described below.

Alarm memory

If the red LED **B** flashes when you have deactivated the system by means of the radio control, it means that the alarm was triggered while you were away. In this case, the system will indicate the reason for the alarm according to the following priority:

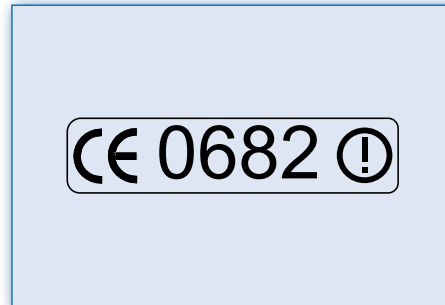
- *LED off twice*: lifting sensor alarm;

- *3 LED off three times*: door alarm;
- *LED off four times*: engine compartment lid alarm;
- *LED off five times*: ignition key alarm.

The alarm system memory is reset when you turn the ignition key.

Ministerial homologation

The electronic alarm system has been homologated in all the countries where radio frequency legislation is in force. The homologation number is shown in the figure.

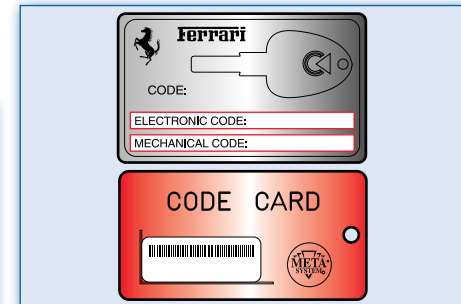


For those markets that require the transmitter and/or receiver marking, the homologation number is found on the component.

Requesting new keys

To purchase new keys with radio control, exclusively contact the **FERRARI SERVICE NETWORK**, bringing with you:

- all the keys with radio control in your possession;
- the CODE CARD for the FERRARI CODE system and the red CODE CARD for the alarm system;



- a personal ID document;
- the registration documents proving ownership of the vehicle.

Keys with remote control that are not provided to the Ferrari Network centre, for the new code storage procedure, will automatically be deactivated. This is to prevent any lost or stolen keys with remote control from being used to deactivate the electronic alarm system.

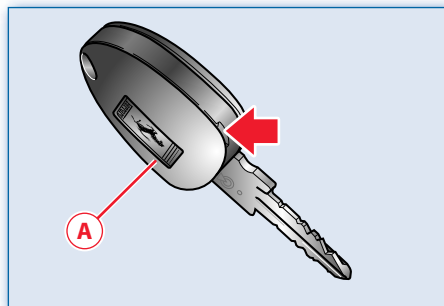
If you accidentally activate the alarm during engine starting, the engine starts normally and the alarm siren will be activated after 30 seconds. To deactivate it, press the remote control button on the key.

Replacing the radio control batteries

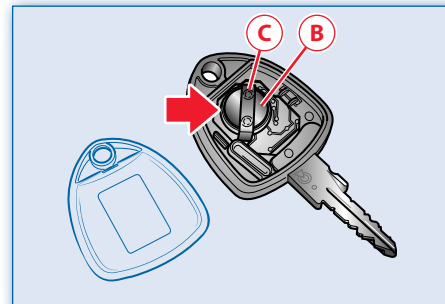
If the corresponding function is not activated when the key button is pressed, replace the radio control battery after checking with the other radio control that the alarm system functions work.

To replace the radio control battery:

- detach the key cover **A** prising with a small screwdriver at the point indicated by the arrow



- remove the battery **B** by pushing it out from under the retaining spring clip **C** in the direction indicated by the arrow



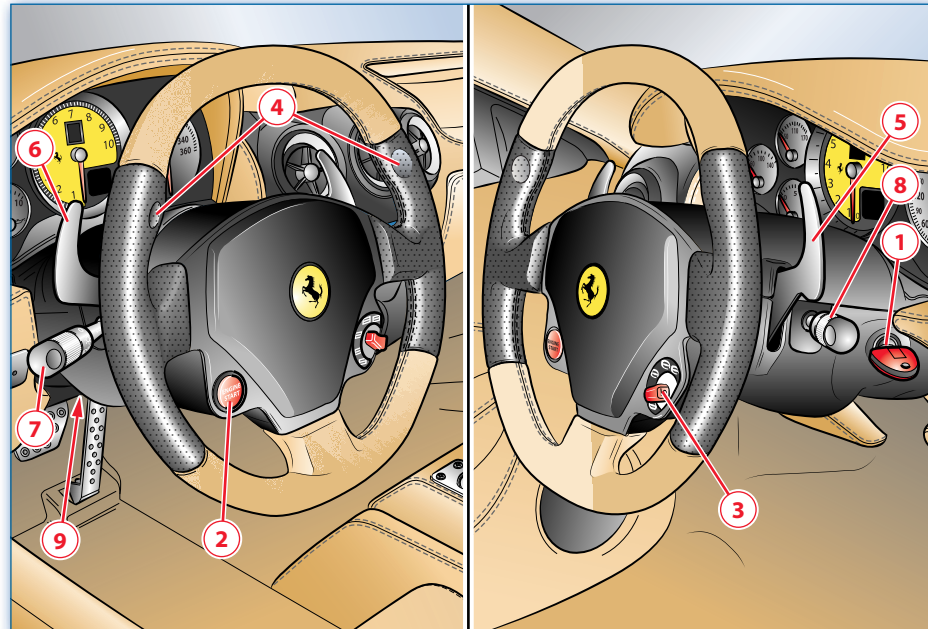
- fit a new battery of the same type, respecting the polarity indicated
- close the key cover **A**.

Do not use sharp tools to separate the key cover and be extremely careful not to damage the radio control.

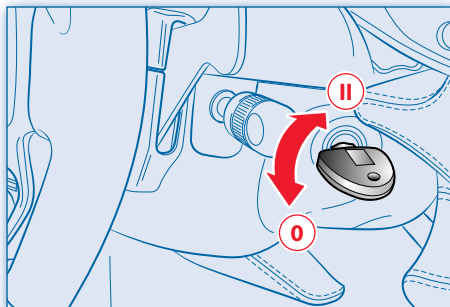
Steering wheel controls

- ① Key switch
- ② Start button
- ③ Driving mode switch
- ④ Horn control
- ⑤ UP gearshift lever (*)
- ⑥ DOWN gearshift lever (*)
- ⑦ Exterior lights and direction indicator control lever
- ⑧ Windscreen and headlight wiper/washer control lever
- ⑨ Steering wheel adjustment lever

(*) for versions with F1 gearbox only



1 - Key switch



The ignition key can be turned to 2 positions:

Position 0 - Stop

Engine off, key removable.

When the key is even only partially extracted, the steering column is locked. The hazard warning lights and the parking lights can be turned on.

To facilitate steering wheel release, turn the steering wheel slightly in both directions while turning the ignition key.

Position II - Start

When turning the key to this position, the system checks the signals coming from the systems installed on the vehicle. If no faults are found, the words **CHECK OK** light up and the engine can be started.



Never remove the key when the vehicle is moving!

The steering wheel will lock on the first

steer.

Always remove the key from the ignition block when you get out of the vehicle!
Never leave children unattended in the vehicle.

2 - Start button

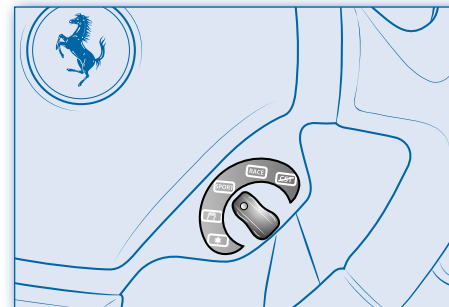
Press the **ENGINE START** button to start the engine. When the engine has started, release the **ENGINE START** button.

Do not hold the **ENGINE START** button down for a long time.

For the starting procedure, see “Starting and driving the vehicle” on page 67 or 71.



3 - Driving mode selection switch



Whichever driving mode you select, always follow the rules for safe driving.

You can select the driving mode to suit the driving style you desire.

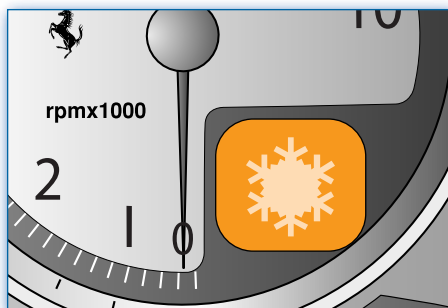
In the event of a failure of one of the onboard systems, signalled by the dedicated warning light on the instrument panel display (see page 35), the switch moves to a “recovery” position, allowing the vehicle to be driven nevertheless. In these cases, contact the FERRARI SERVICE NETWORK.

2 - About your vehicle

(❄️) “ICE” mode

This mode can be used when the road conditions are particularly slippery (snow, ice).

When this mode is activated, the **ICE** symbol will appear on the multi-function display for a few seconds and an acoustic signal will warn the driver that the driving mode has been changed.

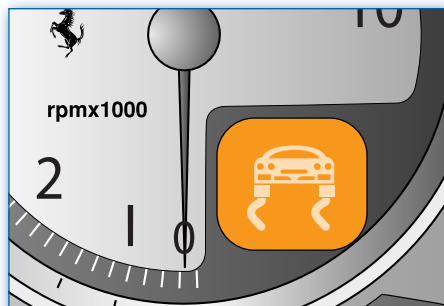


For use, see on [page 76](#).

(🏎️) “Low-grip” mode

It can also be activated to enhance driving comfort even when driving in racing style, assuring stability in low- to medium- grip conditions. It is also recommended for city driving.

When this mode is activated, the **Low Grip** symbol appears on the multi-function display for a few seconds and an acoustic signal will warn the driver that the driving mode has been changed.



For use, see on [page 76](#).

SPORT mode

This is the ideal vehicle use condition.

Select **SPORT** mode if you wish to drive in racing style in high-grip conditions.

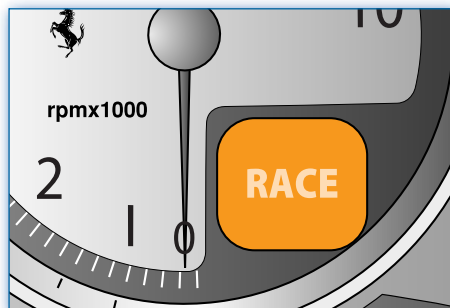
When this mode is activated, the **SPORT** symbol will appear on the multi-function display for a few seconds and an acoustic signal will warn the driver that the driving mode has been changed.



For use, see on [page 76](#).

RACE mode

The **RACE** mode further enhances the already racing style performance of the vehicle. When this mode is activated, the **RACE** symbol will appear fixed on the multi-function display.



This selection is ideal for the race track. For use, see on [page 76](#).

Deactivating the CST system (~~CST~~)

Selecting this mode you can deactivate the CST system (always on upon engine start). When this mode is deactivated, the relevant warning light on the instrument panel will come on and the ~~CST~~ symbol will appear on the multi-function display.

An acoustic signal will sound at length to warn the driver that the driving mode has been changed.



When the CST system is active, its operation is signalled by the relative warning light on the instrument panel and by the (green) message **CST ACTIVE** on the multi-function display, which flashes for at least 4 seconds.



In low- to medium-grip conditions (wet, icy, sandy roads), do not deactivate the CST system.

When the CST system is active and the amber warning light comes on, it means that there is a fault in one of the system parts. Contact the **FERRARI SERVICE NETWORK**.

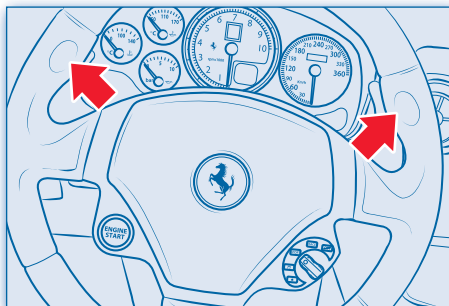
Every time the ignition is switched on further to this operation, the CST system will reactivate.

For use, see on [page 76](#).

2 - About your vehicle

4 - Horn control

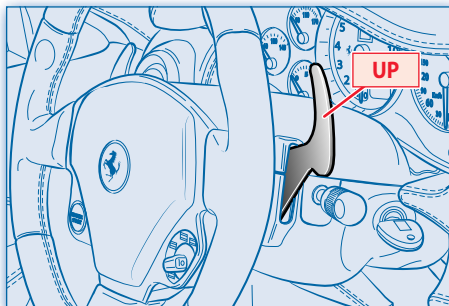
The horn is activated by pressing by the sides of the upper spokes on either side of the steering wheel, in position with the horn symbol.



5 - UP gearshift lever (vehicles with F1 gearbox)

Pull the right-hand **UP** lever towards the steering wheel to shift up.

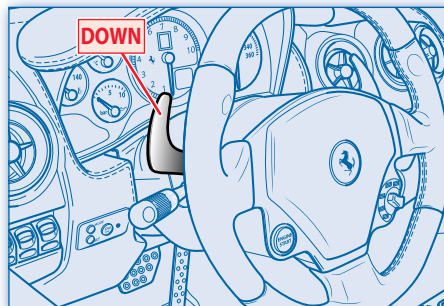
For use, see “Starting and driving the vehicle” on [page 67](#).



6 - DOWN gearshift lever (vehicles with F1 gearbox)

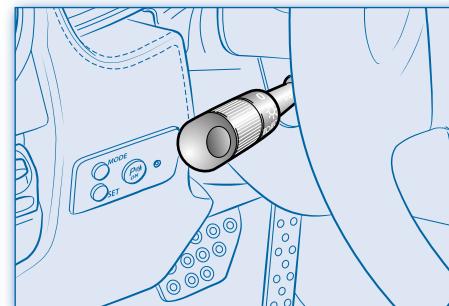
Pull the left-hand **DOWN** lever towards the steering wheel to shift down.

For use, see “Starting and driving the vehicle” on [page 67](#).



7 - Exterior lights and direction indicator control lever

The exterior lights and the direction indicators only work when the ignition key is in position **II**.



Operate the lever to activate:

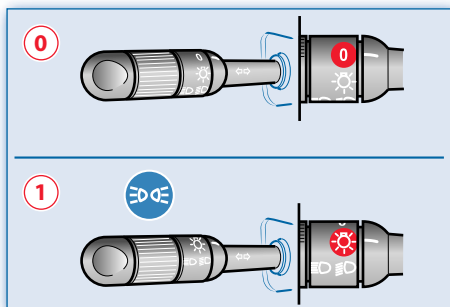
- the exterior lights:

Position **0**:

Lights off.

Position **1** (lever turned by one click):

Position lights and number plate lights on (the relevant warning light also comes on) and the instrument panel is backlit.



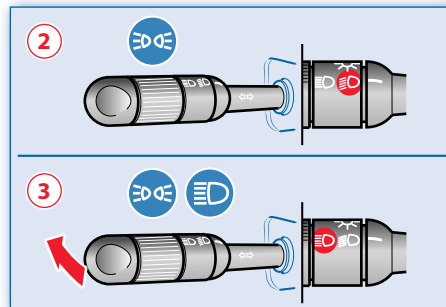
Position **2** (lever turned by two clicks):

Low beams on.

Position **3** (lever pushed forward):

High beams on (the relevant warning light also comes on).

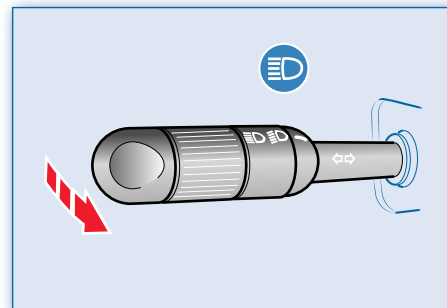
The high beams can only be switched on with the lever in position **2**.



- headlight flashing:

with the high beams, it is activated by pulling the lever towards the steering wheel.

The function can be activated with the lever in any position.



2 - About your vehicle

- direction indicators

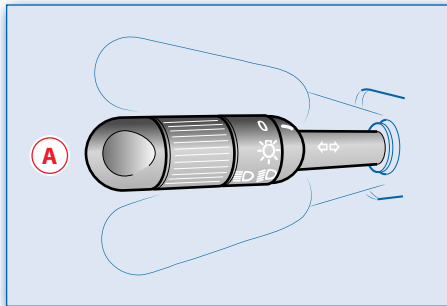
The direction indicators work only when the ignition key is in position II.

The instant the lever is moved, the relevant warning light on the instrument panel also comes on.

The lever returns to its central position when the steering wheel is straightened.

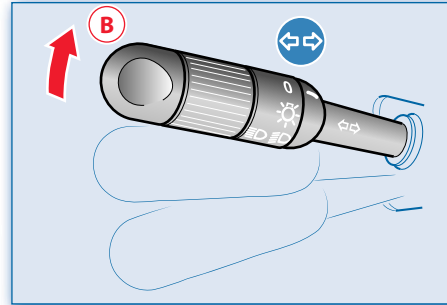
Position **A** (lever in rest position):

Direction indicators off.



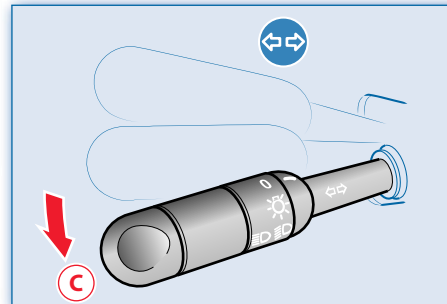
Position **B** (lever up):

Right-hand side indicators.



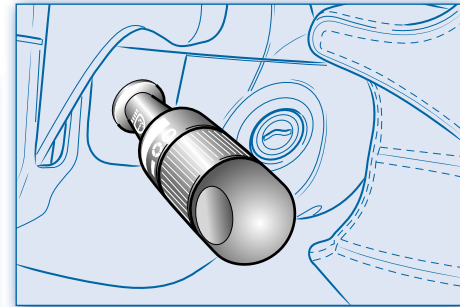
Position **C** (lever down):

Left-hand side indicators.



8 - Windscreen wiper and washer control lever

The windscreen wiper and washer operate only with the ignition key in position II.



Operate the lever to activate:

- **the windscreen wiper:**

Position **0**:

Windscreen wiper off.

Position **I** (lever lowered by one click):

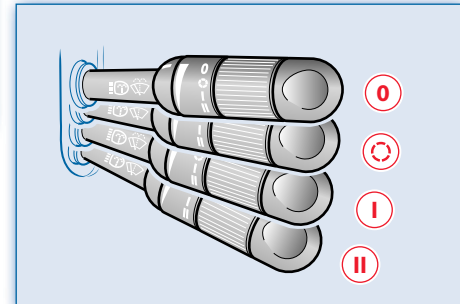
Adjustable intermittent operation.

Position **II** (lever lowered by two clicks):

Continuous slow operation.

Position **III** (lever lowered by three clicks):

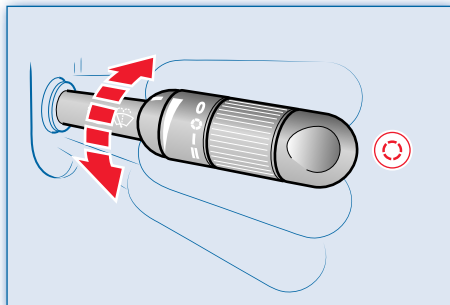
Continuous fast operation.



- to adjust the intermittent speed:

In position , turn the lever to change the intermittent speed:

- **clockwise** = slower intermittent speed;
- **anticlockwise** = faster intermittent speed.



- windscreen washer:

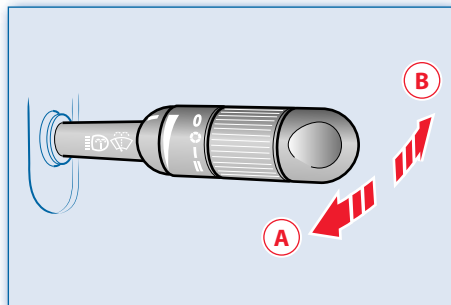
Pull the lever towards the steering wheel **A** to simultaneously activate the windscreen washer and the windscreen wiper.

When the lever is released, the windscreen washer stops while the windscreen wiper runs a few more strokes.

- headlight washers:

Push the lever in the opposite direction to the steering wheel **B** to activate the headlight washers. When the lever is released, the spray nozzles go back into their seats.

For better cleaning, use the headlight washers when the vehicle speed is below 130 km/h (80 mph).

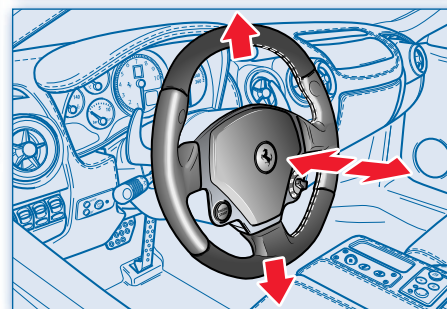
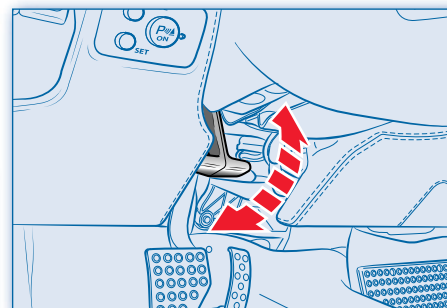


9 - Steering wheel adjustment lever

The steering wheel can be adjusted in height and depth.

- Release the lever by pulling it towards the steering wheel.
- Adjust the steering wheel position.
- Lock the steering wheel by pushing the lever back to its original position.

Do not adjust the steering wheel when the vehicle is moving.

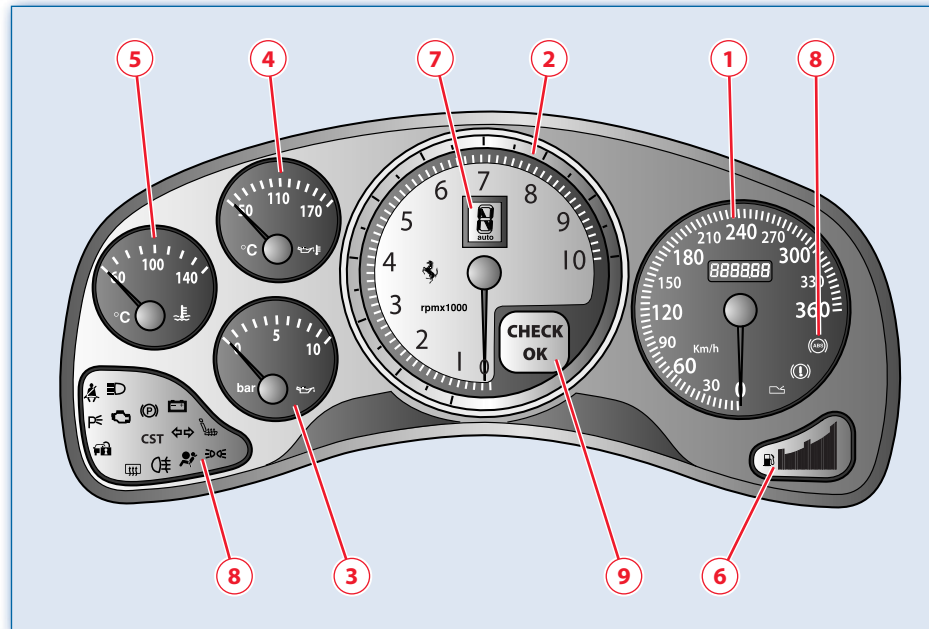


2 - About your vehicle

Instrument panel

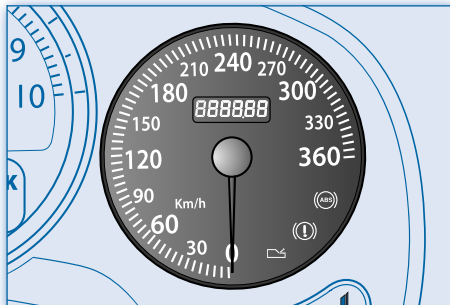
- ① Electronic speedometer
- ② Rev. Counter
- ③ Oil pressure gauge
- ④ Oil temperature gauge
- ⑤ Water temperature gauge
- ⑥ Fuel level gauge
- ⑦ Gear display (*)
- ⑧ Warning lights display
- ⑨ Multi-function display

(*) for versions with F1 gearbox only.



1 - Electronic speedometer

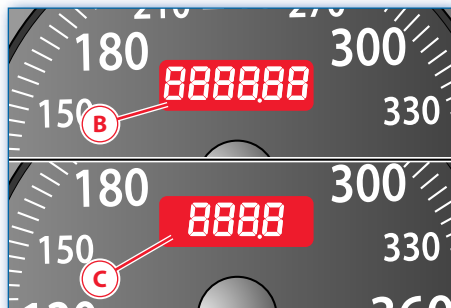
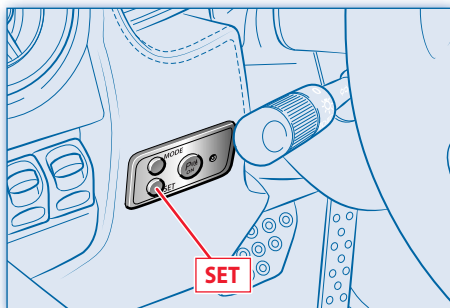
Indicates the vehicle speed.



Odometer:

Briefly press button **SET** to display the total **B** or trip **C** mileage on the instrument panel.

To reset the trip kilometres, hold button **SET** pressed down for at least 2 seconds.

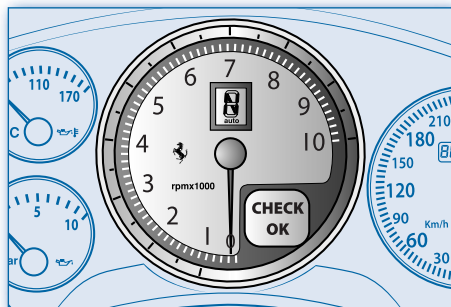


2 - Rev. Counter

Indicates the engine rpm.

Avoid engine speeds in the red sector.

If you exceed the rpm, the ignition/injection ECU will temporarily cut off the fuel supply.



3 - Engine oil pressure gauge

The red warning light **D** indicates insufficient pressure.

In normal conditions, it comes on before starting in order to run a self-test.

If a failure occurs, it lights up when the engine is running and pressure is insufficient. In this case, turn the engine off immediately and carry out the necessary checks.

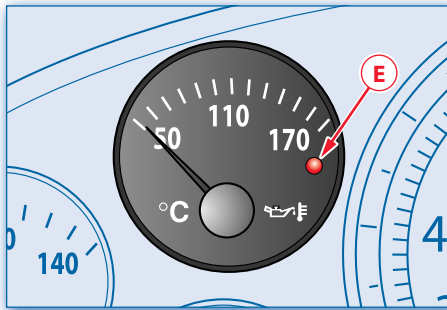
If the problem persists, contact the **FERRARI SERVICE NETWORK**.



2 - About your vehicle

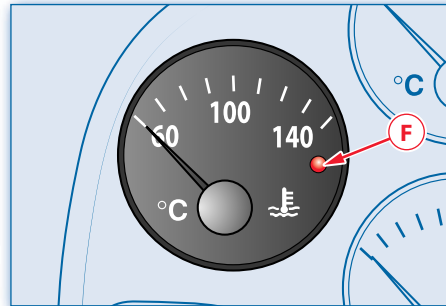
4 - Engine oil temperature gauge

When the red warning light **E** comes on, it indicates that the temperature is too high, i.e. above 155°C (311 °F). In this case, reduce the engine speed immediately. If the temperature remains high, turn off the engine and contact the **FERRARI SERVICE NETWORK**.

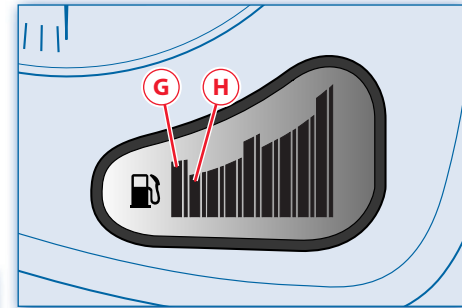


5 - Water temperature gauge

Indicates the coolant temperature. When the red warning light **F** comes on, it indicates that the temperature is too high. This light comes on when the temperature exceeds 125°C (257 °F). In this case, reduce the engine speed rate immediately. If the temperature remains high, turn off the engine and contact the **FERRARI SERVICE NETWORK**.

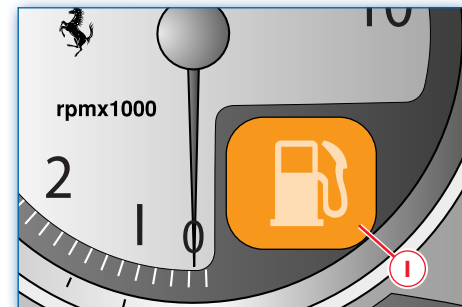


6 - Fuel level gauge



If the last segment **G** on the fuel level gauge flashes and the second before last segment **H** is on fixed, it means that there are 18-20 litres (3.96–4.4 Imp.Gall.) of fuel left in the tank.

When there are less than 9 litres (1.98 Imp.Gall.) of fuel left, the symbol **I** appears on the multi-function display and the last segment of the gauge goes off.



7 - Gear display (for versions with F1 gearbox only)

Incorporated in the rev counter; with the ignition key in position **II**, it displays the gear engaged.

N - Neutral

R - Reverse gear

1 - 1st gear

2 - 2nd gear

3 - 3rd gear

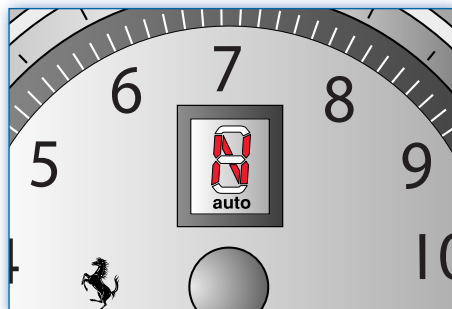
4 - 4th gear

5 - 5th gear

6 - 6th gear

auto - automatic gearshift

When the symbol **-** is displayed, it indicates a fault condition in the gearbox. Please contact the **FERRARI SERVICE NETWORK** to have the necessary checks carried out.



Warning lights

8 - Warning lights display

If a failure warning light comes on while driving, have the necessary checks carried out at the **FERRARI SERVICE NETWORK**.

As well as coming on when the self-check is run before starting, the warning lights may switch on in the following cases:

ABS



While driving, to indicate malfunctioning of the ABS system.

The standard brake system remains functional - contact the FERRARI SERVICE NETWORK.

Brake failure



To indicate insufficient brake/clutch fluid in the tank.

To indicate excessive wear of the front brake pads (also the rear ones in the case of optional CCM system).

If the warning light comes on while driving, stop the vehicle, check the level of fluid in the tank and contact the FERRARI SERVICE NETWORK.

CST system failure



To signal that the CST system is deactivated or to indicate a failure of one of the systems in the CST.

In the latter case, contact the FERRARI SERVICE NETWORK.

Moreover, when the warning light flashes it indicates that the CST system has cut in.

Parking brake



When the parking brake is engaged.

Airbag



While driving, to indicate a malfunction in the airbag system and/or in the seat belt pretensioners.

If the warning light does not come on for the self-check or if it switches on while driving the car, contact the FERRARI SERVICE NETWORK immediately.

Seat belts



With the ignition key turned to position **II** when the driver's seat belt is not fastened.

Alternator



If there is a fault in the recharging system.

When the battery is insufficiently charged or overcharged (flashing).

F1 gearbox failure



Comes on permanently, emitting a beep when an F1 gearbox operating error has occurred.

If the failure permits, pull off the road and contact the FERRARI SERVICE NETWORK.

Flashing: low pressure in the system.

2 - About your vehicle

Engine control system malfunctioning



While driving, to indicate a malfunction in the emission control system and in the ignition/injection system.

It remains on for a self-check cycle from the instant the ignition key is turned to position **II** until a few seconds following the engine starting.

For further information see [page 116](#).

Direction indicator



When the direction indicators are turned on.

When the hazard warning lights are turned on.

Position lights/low beams



When the position lights or low beams are turned on.

High beams



When the high beams are turned on.

When the high beams are used to flash.

Parking lights



When the parking light control switch is activated.

Rear fog lights



When the rear fog lights are turned on.

Heated rear window and exterior rear view mirror defroster



When the button which controls the heated rear window and the exterior rear view mirror defroster is operated.

They will automatically switch off thirty minutes after they have been activated.

Ferrari CODE system



The vehicle is equipped with an electronic engine immobilizer system (FERRARI CODE), which is activated automatically when the ignition key is removed.

The keys are equipped with an electronic device that transmits a coded signal to the immobilizer ECU, which allows the engine to be started only if it is recognised.

Seat heating (optional)



When the seat heater is activated (see [page 49](#)).

Failure of all the braking systems and CST



When the warning lights shown in the figure come on at the same time:

CST



Caution: Danger of rear wheels locking due to malfunctioning of the electronic brake-force distribution system and possibility of spinning.

Stop the car without braking sharply. Do not drive any further and immediately contact the FERRARI SERVICE NETWORK.

The car may still be driven at low speed (max. 40 km/h - 25 mph) in order to pull off the road.

Multi-function display

9 - Multi-function display

Incorporated in the instrument panel, its function is to diagnose and signal any faults; it may have the following colours:

Green = Normal driving conditions

Red = When a fault occurs

Amber = When one of the available systems has been activated

Multi-function display signals

The multi-function display shows symbols relative to fault conditions and the state of the vehicle.

If more than one fault occur at the same time, they are displayed for a length of time depending on their priority.

The signals of the tyre pressure monitoring system (optional) that may appear on the multi-function display are described on page 126.

The following symbols may be displayed:

Check OK



When the ignition key is turned to Position II, the electronic system runs a diagnostic check of the vehicle and, if no faults are found, the symbol **Check OK** comes on to indicate that the vehicle can be started.

Fuel tank flap open



Indicates that the fuel tank flap is open or not properly closed.

Outside temperature



If selected with the relevant button, it displays the outside temperature.

Clock



Displays the time in standard mode. It can be disabled with the multi-function button (see page 40).

If the battery is removed, the exact time will have to be reset using the multi-function buttons (see page 40).

CST active



While driving, it indicates that the CST has cut in.

CST inactive



Indicates a malfunction or that the CST system has been deactivated with the switch on the steering wheel (see page 24).

Low fuel



Indicates that 18-20 litres (3.96-4.4 Imp.Gall.) of fuel are left in the tank or that the level gauge is malfunctioning.

Fuel supply cut-off



Indicates that the inertia switch has tripped, in the event of an accident, and that consequently the fuel supply has been cut off.

Suspension system



While driving, it indicates a malfunction in the suspension system.

Contact the FERRARI SERVICE NETWORK.

Instrument panel lighting



If selected with the relevant button, it displays the adjustable brightness level of the instrument panel (see page 40).

Slow Down



While driving, it indicates a too high temperature in the exhaust system (see page 115).



Indicates temporary malfunctioning of the electronic differential (see page 117).

Contact the FERRARI SERVICE NETWORK.

Hazard warning lights



If on, it signals that all the direction indicators are on at the same time.

2 - About your vehicle

Windscreen washer fluid



Indicates that there is insufficient fluid in the windscreen washer tank.

Luggage and engine compartment lids open



Indicates that the luggage and engine compartment lids are open or not properly closed.

Luggage compartment lid open



Indicates that the luggage compartment lid is open or not properly closed.

Engine compartment lid open



Indicates that the engine compartment lid is open or not properly closed.

Left- and right-hand doors open



Indicates that the doors are open or not properly closed.

Left-hand door open



Indicates that the driver-side door is open or not properly closed.

Right-hand door open



Indicates that the passenger-side door is open or not properly closed.

Battery charger connected



When the instrument panel is on, it indicates that the battery charger is still connected.

ICE mode setting



When the ICE driving mode is selected on the steering wheel switch (see [page 23](#)).

Vehicle set to Low-grip mode



When Low-grip driving mode is selected, on the steering wheel switch (see [page 23](#)).

Vehicle set to SPORT mode



When SPORT driving mode is selected on the steering wheel switch (see [page 23](#)).

SPORT mode changes the driving performance of the vehicle.

Vehicle set to RACE mode



When RACE driving mode is selected on the steering wheel switch (see [page 24](#)).

RACE mode changes the driving performance of the vehicle.

Electronic differential



The amber symbol indicates that the electronic differential clutch is overheating; reduce speed.



The same symbol in red indicates an E-DIFF system failure. In these cases, the vehicle can still be driven, but without the aid of the electronic differential.

■ [Contact the FERRARI SERVICE NETWORK.](#)

Driving mode switch failure



Indicates a failure of one or more systems that define the selected driving mode.

■ [Contact the FERRARI SERVICE NETWORK.](#)

Brake Service (only vehicles with CCM brake system)

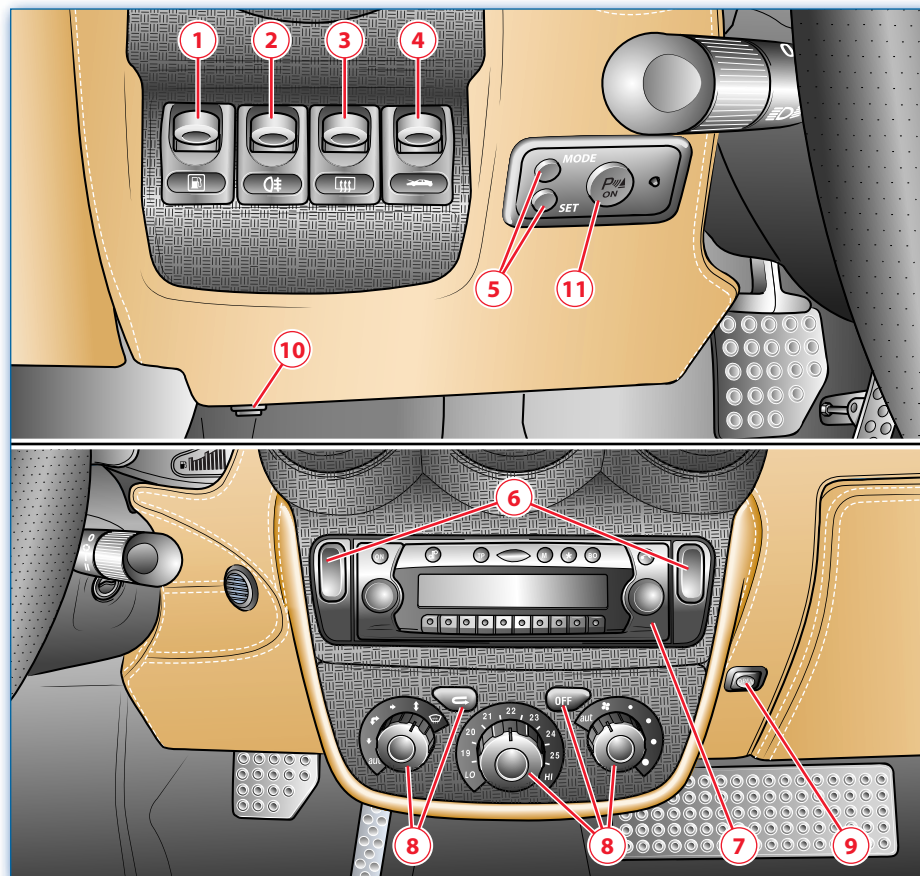


Indicates that the wear limit of the carbon brake discs has been reached.

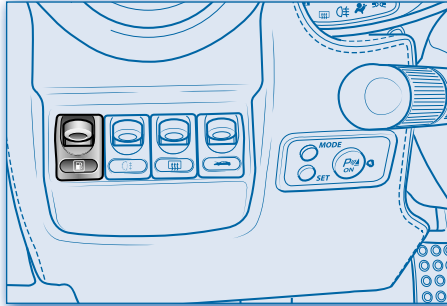
■ [Contact the FERRARI SERVICE NETWORK.](#)

Dashboard controls

- ① Fuel filler cap flap opening button
- ② Rear fog lights button
- ③ Heated rear window and exterior rear view mirror defrost button
- ④ Luggage compartment lid opening button
- ⑤ Multi-function buttons (MODE, SET)
- ⑥ Power window control
- ⑦ Car stereo system
- ⑧ Air conditioning and heating system controls (for use see [page 62](#))
- ⑨ Document compartment opening button (for use see [page 57](#))
- ⑩ Calibration button for the tyre pressure monitoring system (TPMS), optional (for use see [page 125](#))
- ⑪ Front parking sensor deactivation button (optional) (for use see [page 77](#))



1 – Fuel filler cap flap opening button



Opening

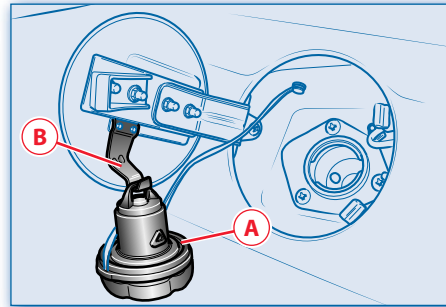
With the key in position 0, push the release button to unlock the access flap to the fuel filler cap.

Unscrew the cap **A** turning it anticlockwise and hang it on the dedicated hook **B**.

Caution: It is perfectly normal if air is released when the cap is unscrewed. The airtight seal of the tank filler neck may cause slight pressure to build up in the system.

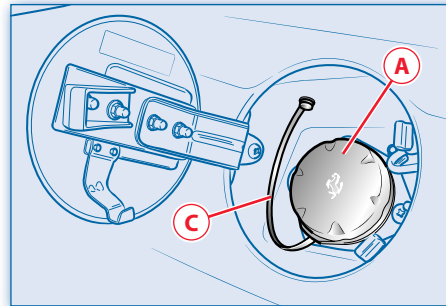
Always switch off the engine during refuelling. Take extreme care when removing the cap.

 Do not smoke or use naked flames when refuelling; furthermore, inhaling vapours can be harmful.



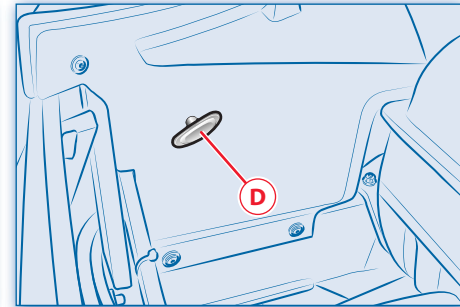
Closing

- Screw the cap **A** back on and close the compartment by pressing on the flap. Make sure that the cord **C** does not hang out of the fuel filler cap compartment.

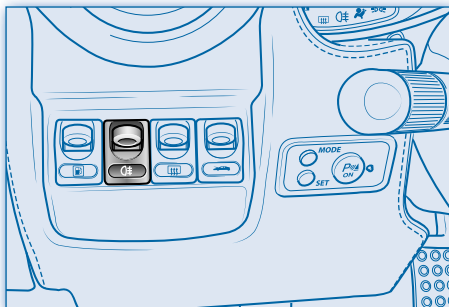


Emergency opening

If the opening button does not work, the flap can be opened manually by pulling the lever **D** located on the left-hand side of the engine compartment.

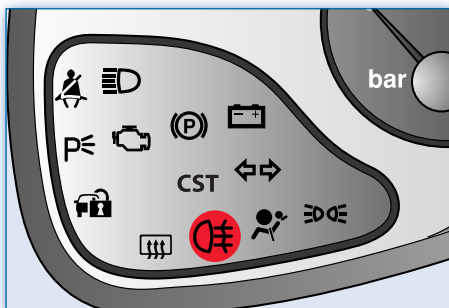


2 – Rear fog lights button

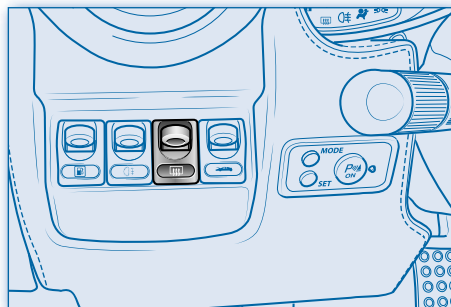


When the button is pressed, the rear fog lights are turned on only if the high beams or low beams are on. The relevant warning light on the instrument panel comes on to indicate that they have been turned on.

⚠ Use the rear fog lights only in poor visibility conditions.

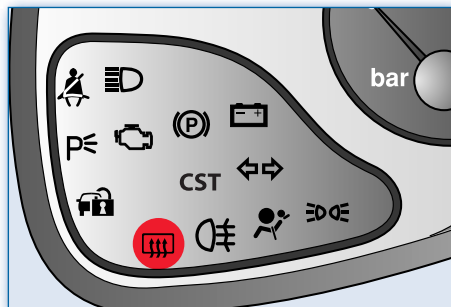


3 – Heated rear window and exterior rear view mirror defroster button



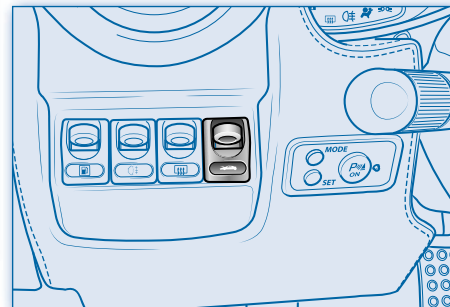
The defroster is activated by pressing the button on the dashboard. The relevant warning light on the instrument panel comes on to indicate activation.

30 minutes after activation, the control button will automatically be turned off. It is however advisable to switch it off when the demisting or defrosting procedure has been completed.



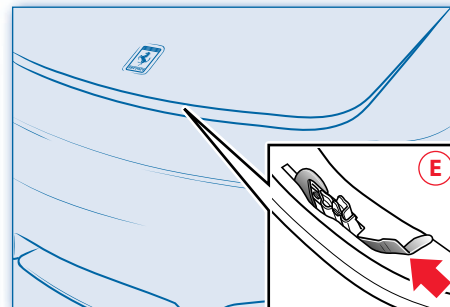
4 – Luggage compartment lid opening button

The lid can also be opened with the ignition key off.



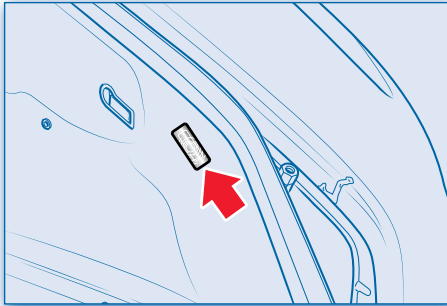
Opening

Push the release button on the dashboard. Stand in front of the vehicle, slightly lift the lid and press on the retaining lever **E** to lift it completely.



2 - About your vehicle

The lid is held open by two gas struts.
The luggage compartment is illuminated by a courtesy light.



Closing

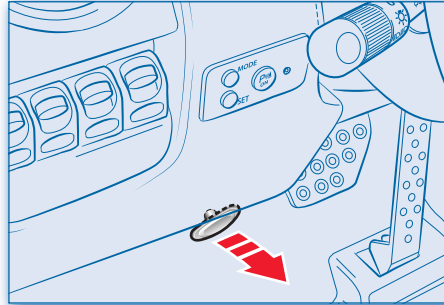
Lower the lid until it is closed and press down near the lock until you hear it click in place.



Always check that the lid is closed properly to prevent it from opening while driving.

Emergency opening

If the opening button malfunctions, pull the lever located under the dashboard, on the left-hand side of the steering column.



5 – Multi-function buttons

The multi-function buttons work only when the ignition key is in position II.

In standard operating mode, the time is displayed on the multi-function display.



Briefly press the left-hand button **MODE** (less than 2 seconds) to sequentially switch between the various functions shown on the display:

- Outside temperature
- FL - front left tyre pressure (*)
- FR - front right tyre pressure (*)
- RR - rear right-hand tyre pressure (*)
- RL - rear left-hand tyre pressure (*)

(*) This function can be activated only when the tyre pressure monitoring system has been installed (optional)

Press the left-hand button **MODE** for longer than 2 seconds to enter the programming mode, where you can scroll through the options by briefly pressing the

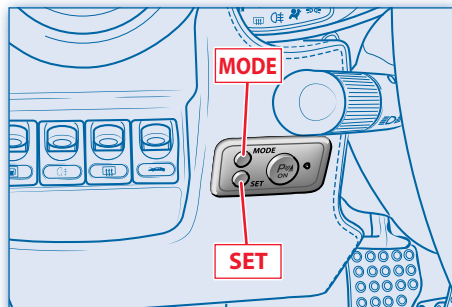
same button.

Four options are available:

- adjusting the instrument panel brightness
- switching the clock ON/OFF
- setting the hours
- setting the minutes.

Within each specific area, briefly press the right-hand button **SET** to make the following adjustments:

- increase the instrument panel brightness
- switch the clock ON/OFF
- increase the hours
- increase the minutes.



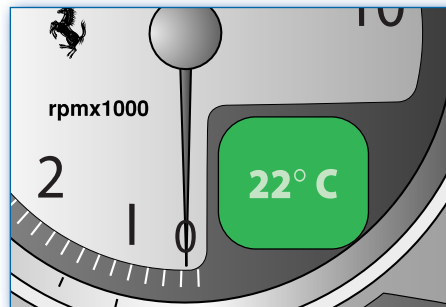
The programming mode is exited if no button is pressed for more than 10 seconds (timeout) or after the left-hand button **MODE** has been pressed briefly from the minute-setting option.

In standard mode, briefly pressing the right-hand button **SET** switches the odometer between trip and total kilometres,

whereas pressing the right-hand button for a longer time resets the trip odometer (see page 30).

Outside temperature display

Briefly press the left-hand button **MODE** to display the outside temperature on the multi-function display.



Instrument panel lighting

Press the left-hand button **MODE** for a longer time to display the symbol on the multi-function display.



Briefly press the right-hand button **SET** to adjust the brightness of the instrument panel to a value between 0 and 30.

Clock

If you do not wish to display the time, press the left-hand button **MODE** for a longer time, press it briefly again and select OFF. In this case, the time is not displayed even when the ignition key is subsequently turned to position **II**.

If you wish to display the time again, the procedure described must be repeated, selecting the option ON.

When the battery is disconnected, the clock stops. When the battery is reconnected, the exact time must be reset using the multi-function buttons as described earlier.

If one or more alarm symbols appear on the multi-function display, the time will not be displayed as long as the alarm is active.

As you can travel for long distances with several warnings on, the following may

2 - About your vehicle

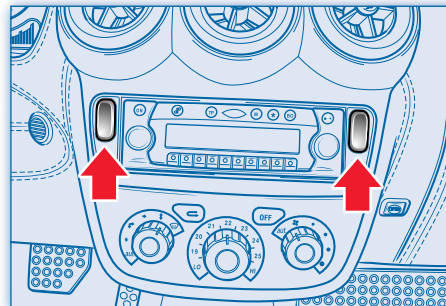
be shown simultaneously on the multi-function display: time and **CST** deactivated symbol, low fuel symbol or **RACE** driving mode.

Any other messages on the multi-function display will be shown according to the display sequence described earlier.



6 – Power window control

The power windows can only be used with the ignition key in position II.



Driver-side power window control

It is operated by pressing the button to the left of the car stereo system.

This button allows manual operation (partial opening/closing) or automatic operation (complete opening/closing): press the button briefly to activate manual

operation; hold the button down for a longer time (more than 0.3 seconds) to activate automatic operation so that the window stops when it reaches the end of its travel, or press the button a second time.

Passenger-side power window control

It is activated by pressing the button to the right of the car stereo system

This button allows only manual operation: when the button is released, the window stops at the position reached.

The window can move up to the “target” position in order to prevent the door from colliding with the upper weather strip when closing it.

 Improper use of the power window controls can be dangerous. Before use, always check that people and objects are at a safe distance.

Pay particular attention during automatic operation of the driver-side power window.

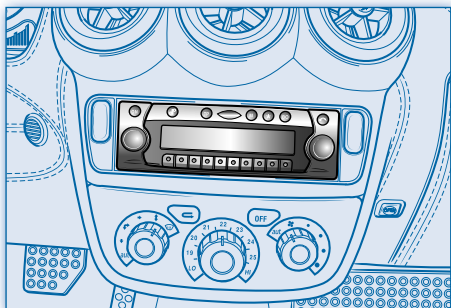
To protect the passengers remaining seated in the vehicle against accidental activation of the power windows, always remove the key from the ignition block.

7 – Car stereo system

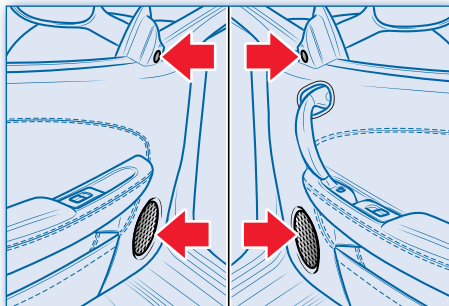
For use consult the Instruction Handbook contained in the bag on board the vehicle.

The system is made up of the following components:

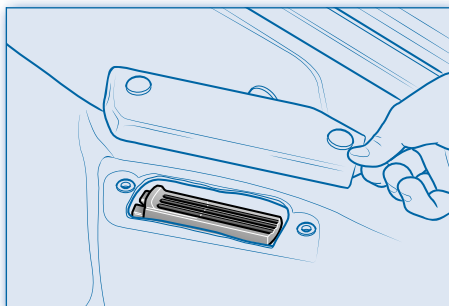
- Car stereo with removable front panel.



- 2 Woofer loudspeakers fitted at the bottom of the door panels.
- 2 Tweeter loudspeakers fitted on the interior fixing plate for the exterior rearview mirrors.



- Aerial incorporated in the windscreen.
- CD-changer on the left-hand side of the luggage compartment (optional).

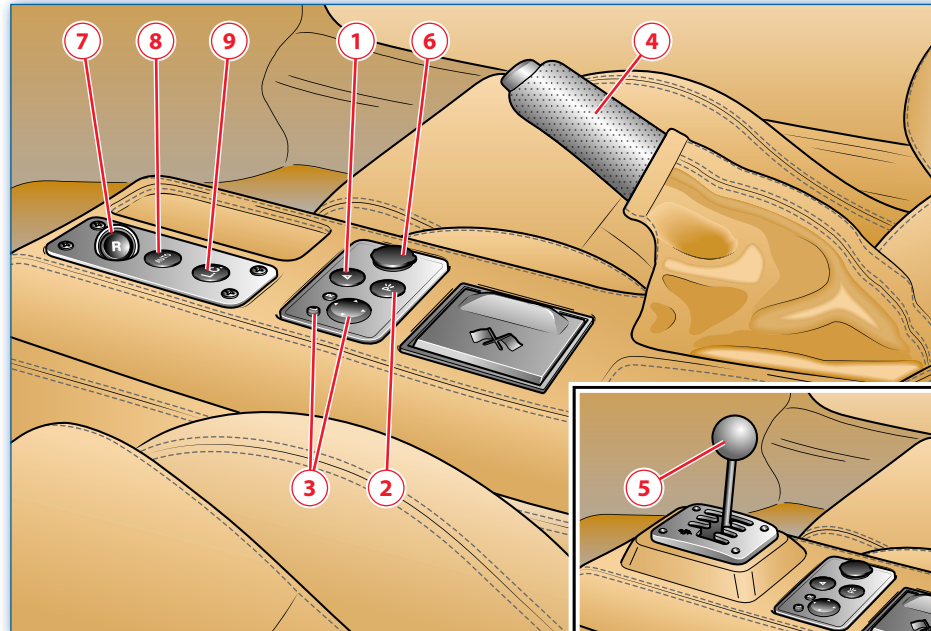


Various optional devices can be installed on the vehicle (satellite navigator, Bluetooth™, powered Hi-Fi, etc.). For their description, see the “Scaglietti Bodywork Programme” Owner’s manual.

Controls on the tunnel

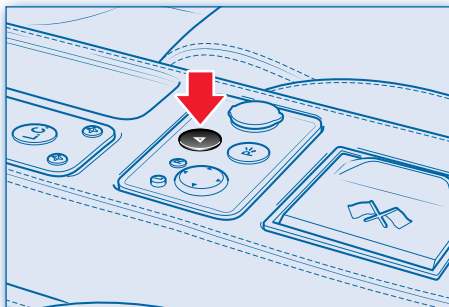
- ① Hazard lights switch
- ② Parking lights switch
- ③ External rear view mirror controls
- ④ Parking brake lever
- ⑤ Mechanical gearbox lever
- ⑥ 12V power socket
- ⑦ Reverse gear engagement button (*)
- ⑧ “Automatic gearshift” function switch (*)
- ⑨ L.C. activation button (*)

(*) for version with F1 gearbox only: For their use, see “Starting and driving the vehicle (F1 gearbox)” on [page 67](#).



1 – Hazard lights switch

Press the switch to turn on the hazard lights.



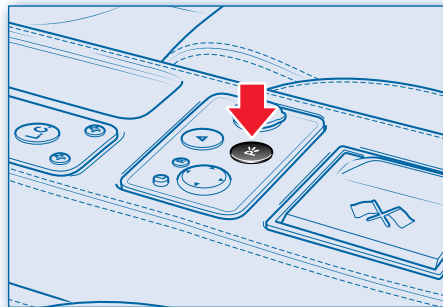
All the direction indicators will start to blink intermittently at the same time, independent of the ignition key position. The relevant symbol will be shown on the multi-function display and the warning light on the instrument panel and on the switch itself will flash intermittently to indicate that the hazard lights are on.



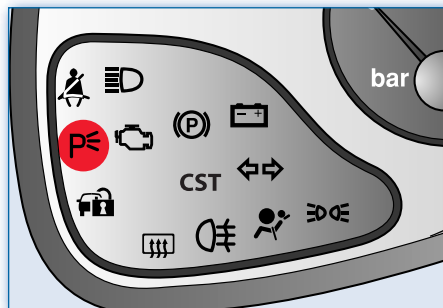
To turn them off, press the switch again.

2 – Parking lights switch

Press the switch to turn on the parking lights.



All the position lights will be turned on. This operation is independent of the ignition key position. The warning light on the instrument panel will come on to indicate that the parking lights are on.



For deactivation, press the switch once again.

2 - About your vehicle

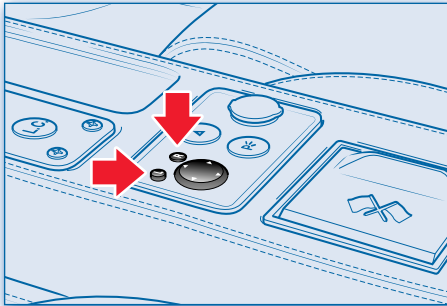
3 – External rear view mirror controls

The rear view mirrors can be electrically adjusted.

They can only be adjusted with the ignition key in position **II**.

To select the mirror you wish to adjust, operate the selector **R** (right-hand mirror) or **L** (left-hand mirror).

To adjust the mirror vertically or horizontally, push the adjustment button.



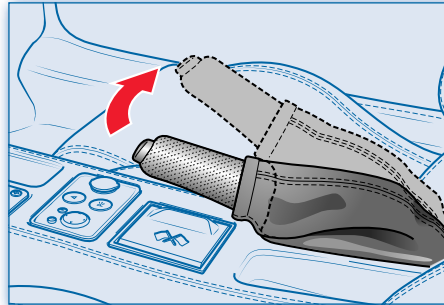
In case of need, the exterior rear view mirrors can be folded manually towards the outside or the inside.



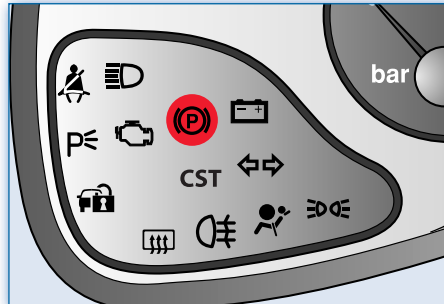
The mirrors must be always positioned correctly while driving. Do not adjust the mirrors when the vehicle is moving.

4 – Parking brake lever

To engage the parking brake, pull the lever fully upwards thus locking the rear wheels.

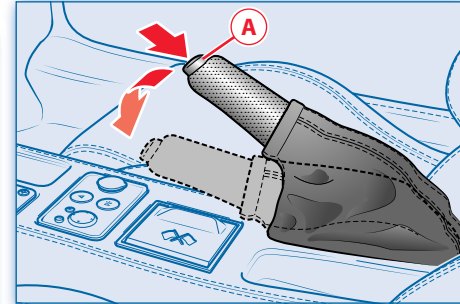


With the ignition key in position **II**, the warning light on the instrument panel comes on to indicate that the parking brake is engaged.



To release the parking brake, pull the lever upwards slightly and press the release button on the end of the lever **A**.

Fully lower the lever keeping the button pressed.



The warning light on the instrument panel will go off when the parking brake has been released completely.

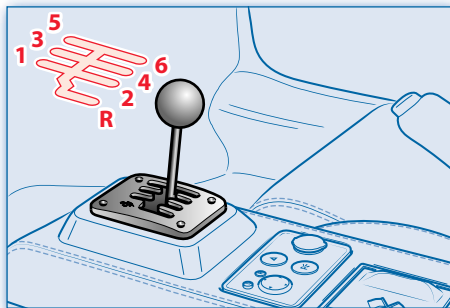


Always use the handbrake when the vehicle is parked.

For further information see page 72.

5 – Mechanical gearbox lever

For use of the gearshift lever see “Starting and driving the vehicle (Mechanical gearbox)” on [page 71](#).



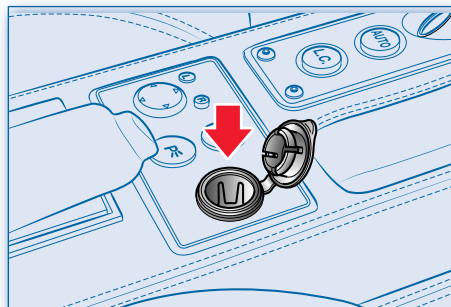
6 – 12V power socket

This socket can be used to power small electrical devices such as: cell phone, lights, vacuum cleaner and any other accessory with absorption not higher than 140 Watts and 12 Volts.



Prolonged use of this device may discharge the battery.

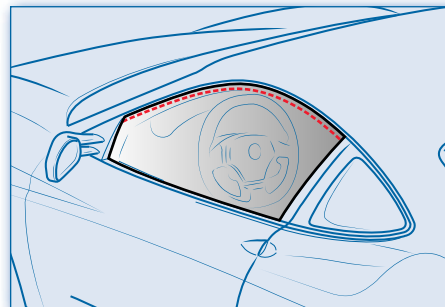
Do not try to insert plugs that are incompatible in size and shape into the power socket.



Doors

When the doors are opened or closed, the windows will automatically move down approximately 2 centimetres (0.8 in.) and stop (broken line) in order to prevent collision with the door weather strip.

When the door is closed, the window automatically moves up until it meets the weather strip.



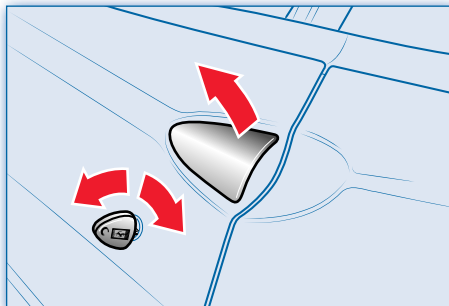
Opening the doors from the outside

Deactivate the alarm and the central locking via the radio control; should the latter not work, refer to section “Electronic alarm system” on [page 18](#).

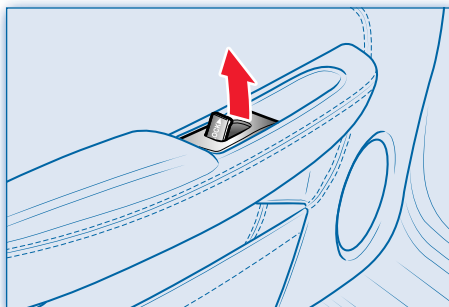
Lift the handle to open the door.

Activate central locking by turning the key clockwise.

2 - About your vehicle



Locking and opening the doors from the inside



Both doors are locked by operating the small lever **LOCK**.

When using the handle to open the door, the window will move down to its “target” position.

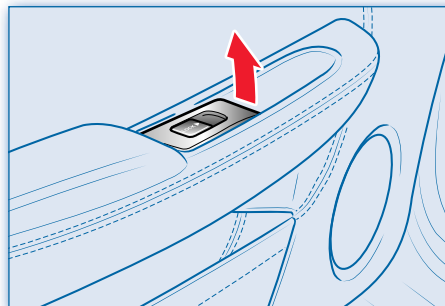
When the door is closed, it will move back up until it meets the upper ledge.

If the handle is operated without opening the door, the window will move down to its “target position” and stop, and if the door

is not opened after 15 seconds, the window will move back up until it meets the upper ledge.

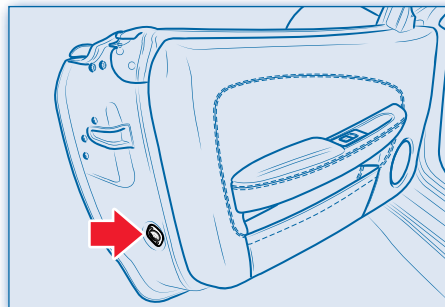
Therefore, to open the door release the handle and pull it again.

When the opening handle is operated, also both doors are unlocked.



‘Door open’ indicator

Each door is equipped with a red light that indicates their opening. This light comes on automatically when the door is opened.



Seat controls

Proper seat adjustment is essential to obtain the best driving comfort and maximum effectiveness of the passive safety systems.

 **Never adjust the seat while driving, as you could lose control of the vehicle. Adjust the driver’s seat only when the vehicle is standing.**

Mechanically adjustable seat

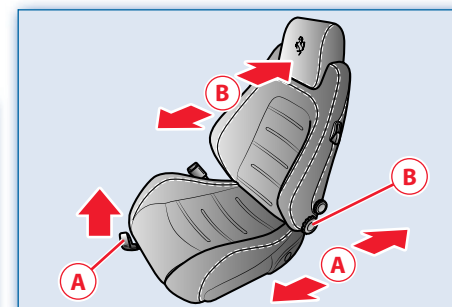
Backward/forward adjustment

Pull the lever **A** upwards and slide the seat forward or backward to the desired position.

Release the lever and “wiggle” in the seat to check that it is locked in place.

Backrest inclination

Turn the knob **B** until the desired inclination has been reached.



Lumbar support

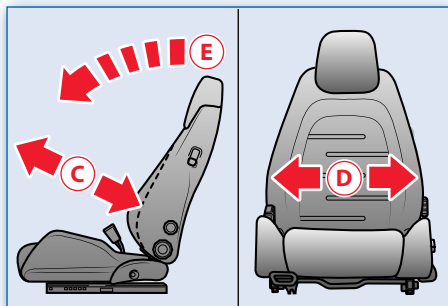
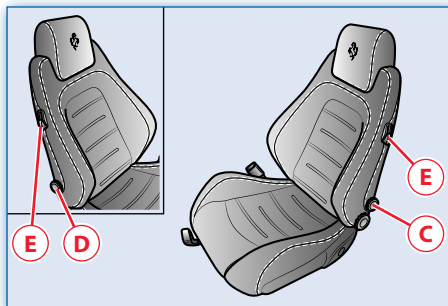
Turn the knob **C** until the desired arching of the lumbar area has been reached.

Side supports

Turn the knob **D** to obtain the desired width of the side supports.

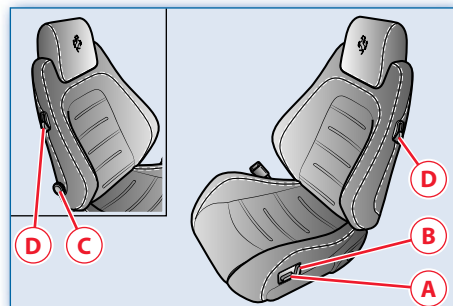
Backrest tilting

Operate the lever **E** to tilt the backrest forward.



Electrically adjustable seat

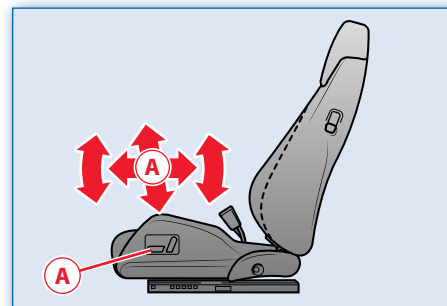
The seats can only be adjusted with the ignition key in position **II**. With the door closed, the seat can be activated for about 15 seconds after turning the ignition key to position **0** and subsequently for a further 15 seconds from the last activation.



Backward/forward and height adjustment

Operating the control you can **A**:

- slide the seat forward and backward
- slide the seat up and down
- adjust the inclination of the seat cushion clockwise or anticlockwise.



Backrest inclination and lumbar support

Operate the control **B** to incline the backrest to the desired position or to obtain the desired arching of the lumbar area.

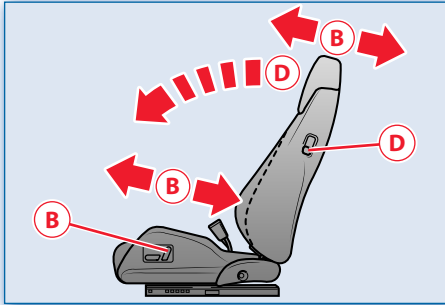
Side supports

Turn the knob **C** until the desired width of the side supports is reached.

Seatback tilting

Operate the lever **D** to tilt the backrest forward.

2 - About your vehicle

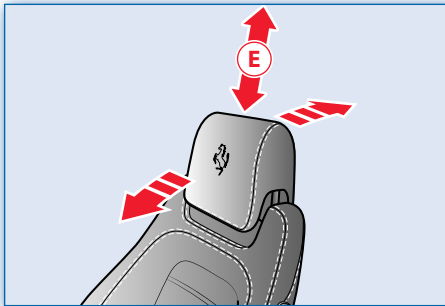


Adjusting the headrest

Move the headrest **E** until the desired height has been reached. Once the desired position has been found, the headrest can also be reclined forward and backward.



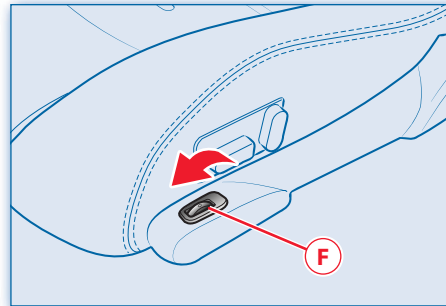
Adjust the headrest to suit your height in such a way that the centre of the headrest is level with the nape and not the neck.



Heating System (optional)

The heating is activated by turning control **F**. Two heating pads are used to heat the seat. When this function is active for one or more seats, the relative warning light illuminates on the instrument panel.

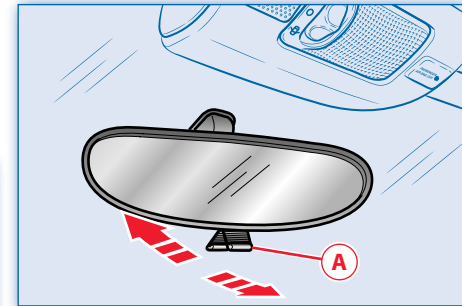
Operating control **F** you can adjust the heating level, choosing from 3 levels identified on the control with the numbers 1, 2 and 3.



Interior rearview mirror

This can be adjusted manually.

To set the mirror in the anti-dazzle position, push the lever **A** forward.



Safety

FERRARI has designed and constructed a vehicle that offers the best possible performance for a road vehicle, guaranteeing the maximum in terms of safety. Following some simple rules will guarantee maximum efficiency of the entire system.

Passive safety

The passive safety system always intervenes in the event of a collision.

In addition to the seats and the headrests, the passive safety system components are:

- seat belts fitted with pretensioners and load limiting devices;
- airbag;
- manual passenger airbag deactivation switch;
- passenger airbag deactivation warning light;
- airbag system failure warning light (see page 32);
- deformable bodyshell and protective survival cell;
- fuel cut-off inertia switch.

Depending on the impact, the passive safety system intervenes in different ways activating the various system components. In the event of small collisions: in addition to the protective action of the seats, headrest and bodywork of the vehicle, only the seat belts prevent the occupants from

being flung from the seat.

In the event of more severe head-on collisions (up to 30° angle): in addition to the seat belts, the pretensioners intervene with a restraining action.

In the event of an even more severe head-on collision up to a 30-degree angle with respect to the longitudinal axis of the vehicle: in addition to the pretensioners, the airbags intervene.

The load limiting devices on the seat belts provide a suitable restraining action for the occupant, so as to prevent serious injury to his/her chest.



The protective action of the airbags is always integrated with the seat belts and the pretensioners. If the seat belts are not fastened the driver and/or passenger may be seriously injured. In the event of collisions, side impacts or vehicle rollovers, i.e. when the airbags are not activated, it is essential to have the seat belts fastened.

Deformable body

The deformable bodyshell absorbs shock and distributes it over the entire structure of the vehicle allowing progressive deceleration.

The passenger compartment structure, on the other hand, has been designed to offer maximum resistance without undergoing deformation, with the aim of ensuring a protective survival cell for the occupants.

Active safety

The active safety system has been designed to prevent collisions.

Apart from the manoeuvrability, stability and acceleration features of the vehicle, the active safety components are the following:

- braking system
- air conditioning and heating system
- external lights
- buzzer and warning lights (flashing).

The braking system comprises the mechanical brake system and the electronic traction stability control system (CST) which prevents the wheels from locking and always provides good manoeuvrability and stability.

The possibility of fast acceleration can in some cases get you out of dangerous situations. However, always use the accelerator with extreme caution. During acceleration of the driving wheels, the anti-skid system may help you in certain dangerous situations.

The air conditioning and heating system in the passenger compartment can add to driving comfort and keep you alert so that you can react quickly when necessary.

It is very important to see and be seen clearly, hence it is essential to turn on the external lights when the conditions so require.

Special warnings

This vehicle has been constructed in compliance with the strictest personal and environmental safety standards. Nevertheless, a few rules should be followed.

Particular attention must be paid to:

- Overheated components: high temperatures develop in the engine compartment in proximity of the exhaust system.

Do not park the car on paper, grass, dry leaves or other flammable materials. They could catch fire if they come into contact with hot parts of the exhaust system.

Do not fit other heat shields or remove those fitted on the exhaust system.

Do not let flammable substances come into contact with the exhaust system.

- Moving parts on the vehicle, such as fan belts etc. are always protected by appropriate systems.

Do not remove the guards or operate on the moving parts without taking the due precautions.

- Pressurised systems on the vehicle, such as: the braking system, air conditioning and heating system, cooling system and lubrication system, which may generate pressure internally.

Do not carry out any operation which may cause gas or liquids to spill out with

the risk of injury to persons and damage to things.

- The exhaust gas generated by the running engine may be hazardous, especially when in closed spaces. As well as consuming oxygen, the engine discharges carbon dioxide, carbon oxide and other toxic gases.
- The fuel is highly flammable and emits vapours which may be noxious if inhaled. Do not use naked flames or create sparks near the open fuel tank or in any other condition where fuel comes into contact with air.
- The oils used may also be flammable: take the same precautions as adopted for the fuel.
- The fluid contained in the battery is poisonous, corrosive and flammable. Do not let it spill out and come into contact with the skin, eyes or objects. Do not use naked flames or create sparks near the battery.

In any case, observe the various warnings contained in this manual.

Seat belts

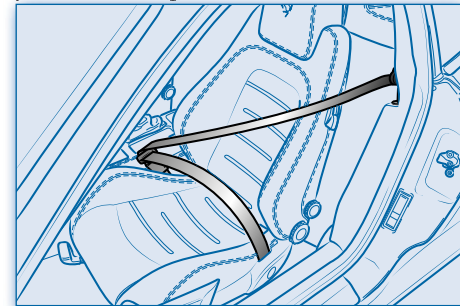
If used correctly, the seat belts, in combination with the pretensioners and the load limiting devices, protect the occupants from all types of impact and firmly secure them to the vehicle structure, thus preventing dangerous jerks against the fixed parts of the passenger compartment.

 **FERRARI recommends you use the seat belts correctly fastened and adjusted at all times!**

Correct use of the seat belts can reduce the risk of serious injury in the event of an accident or if the vehicle overturns.

The standard seat belts are automatic, with 3 attachment points, and an emergency inertial locking winder fitted with pretensioner and load limiting device.

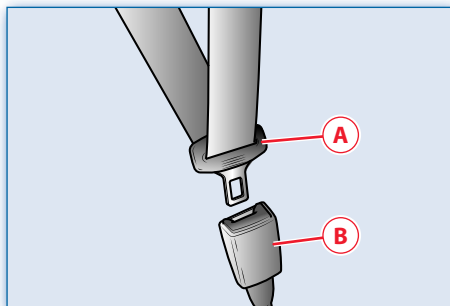
For maximum protection, keep the backrest in the upright position, rest your back comfortably against it and adjust the seat belt in height so that it fits tightly across your chest and pelvis.



Fastening the seat belts

After properly adjusting the seat and headrest:

- Grip the buckle **A**, slowly pull the belt and insert the belt tongue into the buckle **B** (if the belt locks while you are pulling it out, let it wind back briefly and pull it out again without jerking).
- Make sure that it has clicked into the locked position.
- Position the seat belt correctly.



If the driver's seat belt is not fastened, when you turn the ignition key to position **II**, the warning light on the instrument panel illuminates and remains lit as long as the seat belt is not fastened.

60 seconds after a speed of 10 km/h (6.21 mph) is exceeded and up to 25 km/h (15.53 mph), a buzzer sounds to warn the driver that the seat belt is not fastened.

When the speed of 25 km/h (15.53 mph) is exceeded, the buzzer activates immediately

and stops after 90 seconds. This acoustic signal is emitted only once, even if the vehicle speed goes above and below the above mentioned limits. The acoustic signal is repeated (when the vehicle speed is in the indicated ranges) only if the seat belt is fastened and unfastened again or, in any case, every time the engine is turned off and then on.



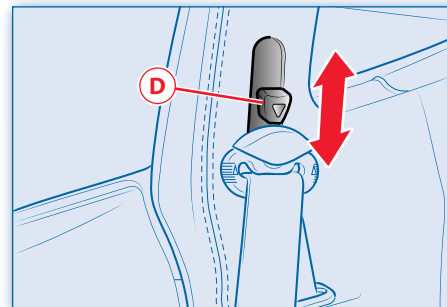
Do not use any devices (clips, catches, etc.) that hold the seat belt away from your body.



Do not allow a child to sit on the passenger's lap with both of them fastened with the passenger's seat belt.

Adjusting the seat belt in height

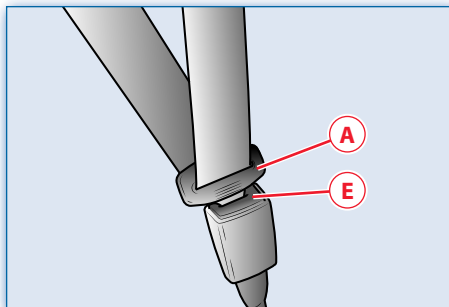
- Press button **D** to release the adjustment device and move it to the desired position.



- Always check that it is locked. The seat belt is properly adjusted when it passes about mid-way between the end of the shoulder and the neck. The lower part must fit tightly across the pelvis and not the abdomen.

Unfastening the seat belts

- Push the release button **E**.
- Guide the belt hooking tongue **A** back to its rest position.



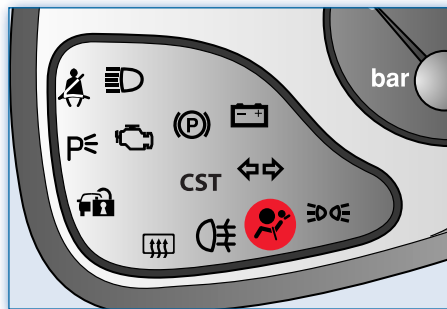
Load limiting devices

In the event of impacts at high speeds, with sharp deceleration, the load limiting device progressively releases the belt when the tension value reaches a predefined threshold. This action reduces the possibility of injury to the chest and shoulders of the occupant.

Pretensioners

The pretensioner is activated in the event of a violent head-on collision. The belt will rewind by a few centimetres a moment before the restraining action begins, thereby ensuring perfect tightness across the body.

Activation of the pretensioner is indicated by the relevant warning light on the instrument panel coming on and by the seat belt locking.



⚠ After activation, the pretensioner ceases to function and it cannot be repaired under any circumstances. Please contact the FERRARI SERVICE NETWORK to have it replaced.

When the pretensioner is activated, a small amount of powder is released. This powder is not harmful and does not indicate the start of a fire.

Maintenance of the seat belts and pretensioners

- Following a collision of a certain impact, replace the seat belts that were worn at the time even if they may not appear to be damaged.
- Periodically check that the screws on the anchoring points are tight and that the belt is intact and slides smoothly.
- The belt must be kept clean; any dirt on the belt could jeopardise the efficiency of the belt winder.
- To clean the seat belt, wash it by hand with mild soap and water and let it dry. Do not use strong detergents, bleach or aggressive solvents, as they can weaken the fibres.
- Do not let the belt winders get wet: proper functioning is guaranteed only if they are kept dry.

- The pretensioner requires no maintenance or lubrication.

If immersed in water or mud, the pretensioner must necessarily be replaced.

- The pretensioner must be replaced at the intervals specified in the “Warranty Booklet and Service Time Schedule”.

⚠ All work on any part of the safety system components must be carried out by the FERRARI SERVICE NETWORK.

It is not permitted to remove or make modifications of any kind to the seat belts, belt winders and pretensioners.

Extraordinary maintenance work involving strong impact, vibrations or heating up of the pretensioner area may activate it; vibrations caused by road bumps will not have this effect.

Child safety

Because of their build, children are at greater risk than adults. Suitable restraint or safety systems must be used.

All minors whose physical characteristics (age, height, weight) fall within the limits laid down in the laws in force in each country must be protected by homologated restraint or safety systems (child seats, cradles, cushions).

In any case, you are advised to always use homologated child restraint systems bearing the test marking.

Always adjust the seat to the farthest backward position, in order to assure that the child is as far away as possible from the dashboard structure.

⚠ Incorrect fastening of a child restraint system increases the risk of injury to the child in the event of a collision.

- The seat belts in the vehicle have been designed and tested to protect persons weighing at least 36 kg (80 lb.) and taller than 1.50 m (4.9 feet).
- To hold a child not falling within these limits, specific restraint systems with dedicated belts or accessories able to adapt the child's position to the vehicle's

seatbelts must be fitted.

For installation and use of the child restraint systems, follow the instructions provided by the manufacturer of the devices.

⚠ On vehicles equipped with a passenger airbag deactivation device, do not fit a rearward-facing child seat on the passenger seat if the airbag is active, as the child risks serious injury or death in the case of airbag activation.

In this event, absolutely deactivate the passenger airbag using the dedicated control and check that the LED on the roof's ceiling light comes on (see page 57).

Also move the passenger seat as far back as possible in order to prevent the child seat knocking against the dashboard.

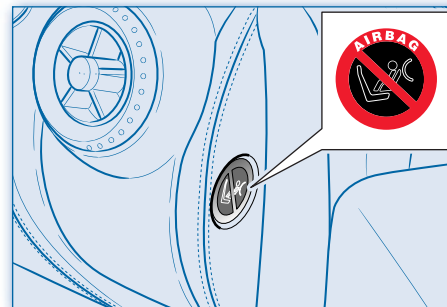
Do not tamper with the seat belts or child restraint systems.

⚠ Where provided for by the law (EC), children under the age of 3 may not travel in a vehicle if not sitting in a child restraint system.

⚠ Where provided for by the law (EC), children over the age of 3 and under 150 cm (4.9 feet) tall may not travel on the front passenger seat if not sitting in a suitable child restraint system.

The adhesive label applied on the right-hand side of the dashboard on vehicles not equipped with the passenger airbag deactivation device, indicates that it is

prohibited to fit a rearward-facing child seat on the passenger seat.



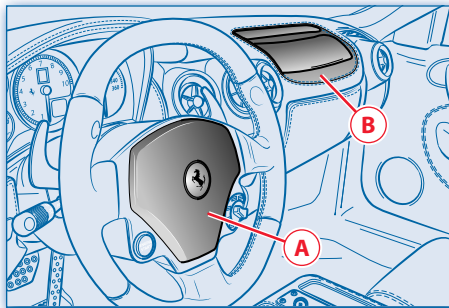
Airbag

 The airbag is not a substitute for the seat belts but increases their effectiveness. Correct use of the seat belts in combination with the airbag offers maximum protection in the event of a head-on collision.

Airbag system components

The airbag system is composed of two instantly inflatable cushions, one situated on the driver's side **A** in the centre of the steering wheel and the other on the passenger's side **B** inside the dashboard.

 When the ignition key is turned to position **II**, the relevant warning light on the instrument panel comes on and, if no faults are found, goes off after 4 seconds. If the warning light does not come on, or if it stays on, or if it comes on while driving, immediately contact the FERRARI SERVICE NETWORK.



Operation

The airbags are controlled by a sensor and an ECU that activates them in the event of a head-on collision with medium or strong impact.

In the event that the impact is so strong that deceleration exceeds the sensor calibration value, the electronic control unit sends an airbag activation signal. The airbags start inflating, breaking the cover along the breaking line, until they are fully inflated in a few tenths of milliseconds and positioned as protection between the driver's or passenger's body and the structures which could cause injury.

The airbags deflate immediately afterwards.

 The driver and passenger are both advised not to travel with objects (beverage cans or bottles, pipes, etc.) placed on the airbag module covers or near them, as they could be flung towards the occupants by the unfolding bag, with the risk of extremely hot gas leakages.

When the system starts operating, gases are released in the form of fumes together with the gas used for inflating the airbags.

These gases are not harmful.

 Always drive with your hands on the crown of the steering wheel so that in case of activation, the airbag can inflate without obstruction.

Always keep the backrest in the upright position and sit with your back properly

resting against it.

The passenger must always fasten the seat belt and sit in an upright position, as far as possible away from the airbag, in order to have optimal protection in all types of collision.

Do not modify the system components or wiring under any circumstances.

Do not cut or tamper with the connectors linking the wiring and the airbag modules.

Do not cover the steering wheel and the padded panel on the dashboard on the passenger's side with adhesive tape or treat it in any way.

Never remove the steering wheel; if necessary, have this done at the FERRARI SERVICE NETWORK.

All the airbag system components must be replaced after an accident that has caused airbag activation.

Following an accident not involving airbag activation, contact the FERRARI SERVICE NETWORK to have the system checked and any system components that may be damaged or malfunctioning replaced.

 Damaged or defective components of the airbag system cannot be repaired and must be replaced.

Improper operations on the system components may cause failures or undesired activation of the airbags with consequent damage.

The airbag system components have been

specifically designed for this specific vehicle model. Do not attempt to use them on other vehicles, as this could cause serious injuries to passengers in the event of an accident.

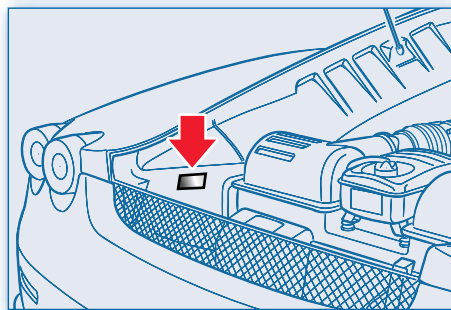
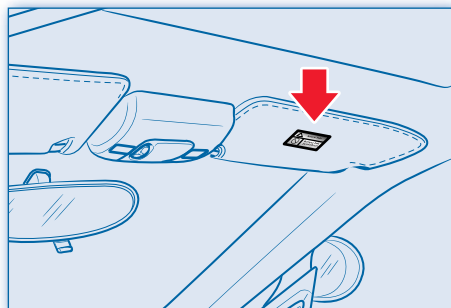
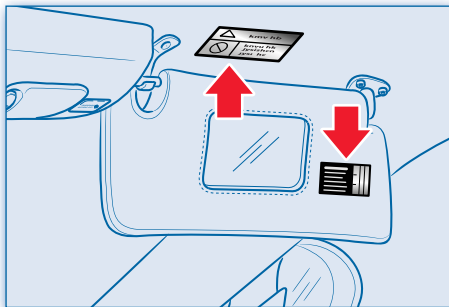
If the vehicle is to be scrapped, contact the FERRARI SERVICE NETWORK to have the airbag system deactivated.

If the vehicle has been stolen or there has been an attempted theft, have the airbag system checked by the FERRARI SERVICE NETWORK.

⚠ The airbag modules must be replaced at the intervals specified in the “Warranty Booklet and Service Time Schedule”, even if the vehicle has not been involved in a collision.

The plate located on the right-hand sun visor next to the courtesy mirror shows the expiry date of the airbag system. When this expiry date draws near, contact the **FERRARI SERVICE NETWORK** in order to have the system replaced.

The plates indicate the presence of the airbag system.



⚠ It is strictly prohibited to transport children in rearward-facing child seats if the passenger airbag is not deactivated. For passenger airbag deactivation on vehicles equipped with this device, see the next chapter.

On vehicles not equipped with the manual airbag deactivation system, children may not be transported in rearward-facing child seats fitted on the passenger seat.

Children under the age of 12 may not travel on the front seats.

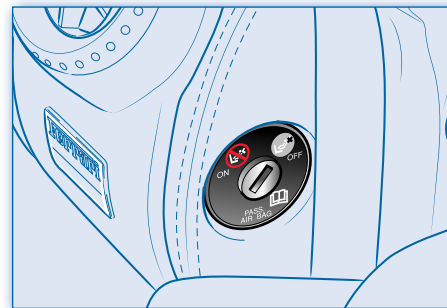
Manual deactivation of the passenger-side airbag

If a child is to be transported in the front passenger seat, always deactivate the passenger-side airbag before fitting the child seat. The device is disabled by operating (with the ignition key) the relevant key switch located on the right-hand side of the dashboard.

The switch is accessible only with the door open.

The key switch has two positions:

- ON: passenger airbag active and LED on the roof's ceiling light off. It is strictly prohibited to fit a child seat and transport children on the passenger seat.
- OFF: passenger airbag deactivated and LED on the roof's ceiling light on; a child seat can be fitted and children can be transported on the passenger seat.

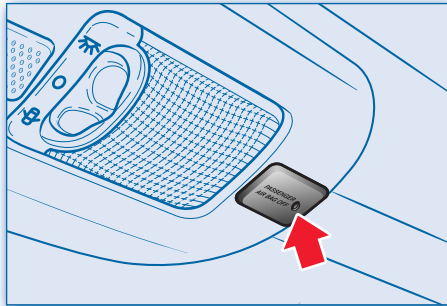


2 - About your vehicle

The LED remains on until the passenger airbag is reactivated.

When the passenger door is open, the key can be inserted or removed in both positions.

 Deactivate the passenger airbag only when you need to transport a child in a child seat and reactivate it at the end of the journey. This way, the passenger sitting in the seat normally occupied by a child is protected by the airbag.

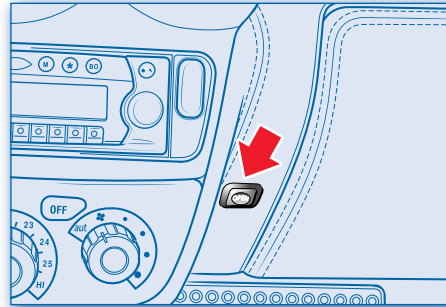


Passenger compartment accessories

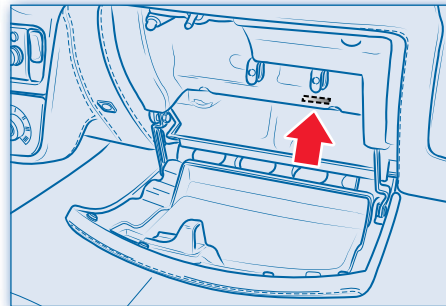
Document compartment

Located on the dashboard on the passenger's side, it is always accessible with the key in position II.

To access the compartment, press button.



The compartment is illuminated by the ceiling light which comes on automatically when the lid is opened.

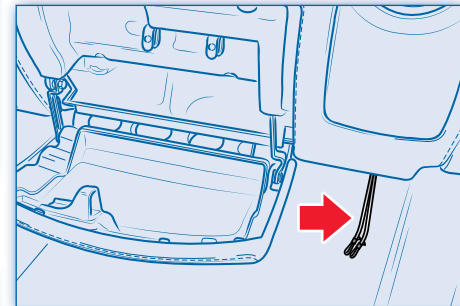


On the inside of the lid, there is a compartment containing the vehicle documents folder, and a torch for emergency use.

Keep the lid closed while driving.

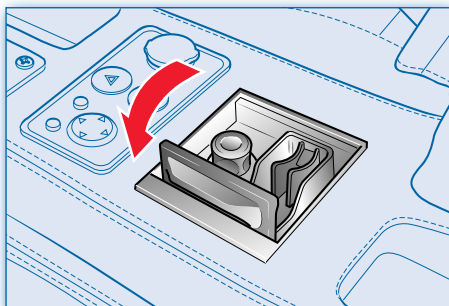
To close the compartment, push the upper end of the lid until you hear the central side lock click.

Underneath the dashboard, on the outside right-hand side of the document compartment, there is a string for manual emergency opening of the compartment.



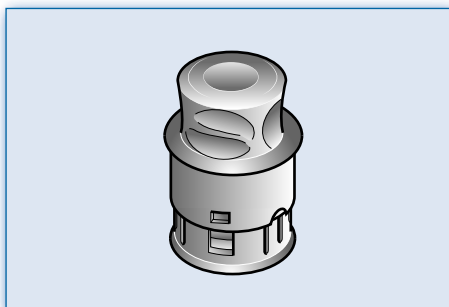
Ashtray/Cigarette lighter

To gain access to the ashtray or to the cigarette lighter, lift the cover backwards.



To clean the ashtray, extract it by pulling it upwards.

The cigarette lighter is turned on by pushing it fully in. After reaching the required temperature, the cigarette lighter is automatically snap-released to its initial position and is ready to be used.



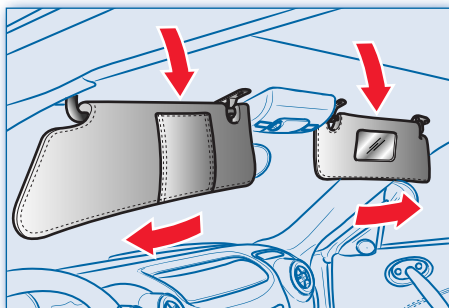
⚠ Do not use the cigarette lighter seat as a power socket for electrical devices, but use the dedicated socket only (see page 46).

The cigarette lighter reaches very high temperatures. Handle it with care to avoid risk of burns and fire.

Sun visors

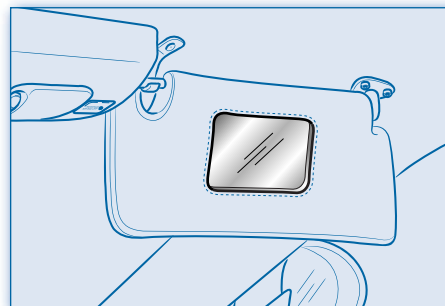
The sun visors can be swivelled frontally by lowering them, and sideways by unhooking them from the catch and turning them towards the door window.

On the back of the driver-side visor there is a document pocket.



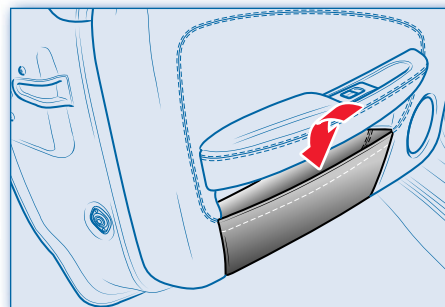
Courtesy mirror

On the back of the passenger-side visor there is a courtesy mirror.

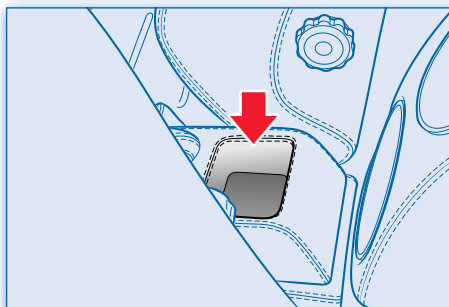
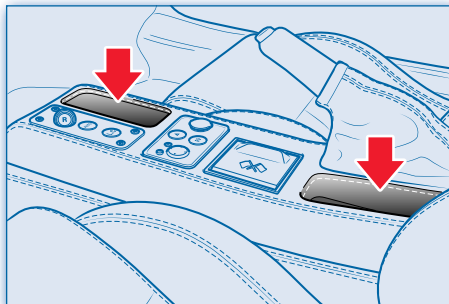


Pocket-change compartments

They are located on the lower side of the doors and on the central tunnel.



The pocket-change compartment on the front of the tunnel is only present on vehicles with F1 gearbox.



Two map pockets are fitted on the back of the seats to hold newspapers, magazines etc.

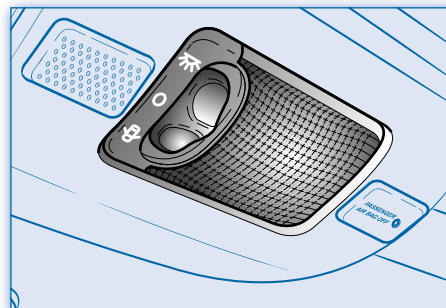
Do not put bulky and/or sharp objects in the map pockets as this may hinder seat positioning.

Internal lights

You can select when the ceiling light should come on with the switch on the roof:

-  on when the doors are closed.
-  off.
-  automatically on when the doors are unlocked for about 10 seconds, and when one of the doors is opened for about 3 minutes.

After closing the doors, the ceiling light remains on until the engine is started or in any case not longer than 20 seconds.

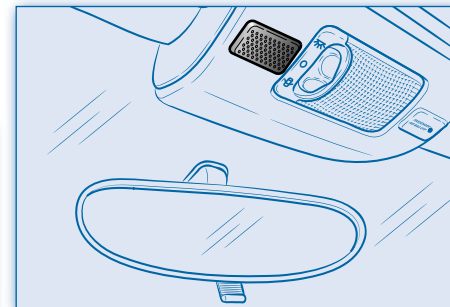


Hands-free microphone (optional)

The hands-free microphone is positioned on the roof, next to the ceiling light.

It is operational only in vehicles with Bluetooth™, supplied on request.

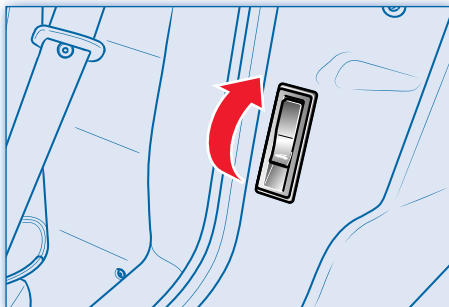
For further information on the device, consult the “Scaglietti Bodywork Programme” Owner’s manual.



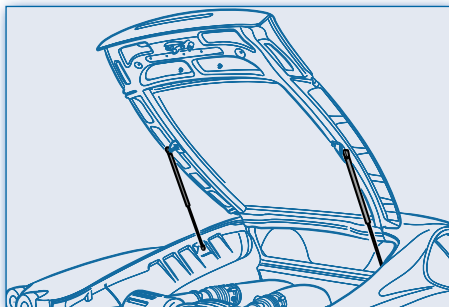
Engine compartment lid

Opening

- Pull the release lever located on the door pillar, on the driver's side.



- Lift the engine compartment lid. The lid is held in position by two gas struts.

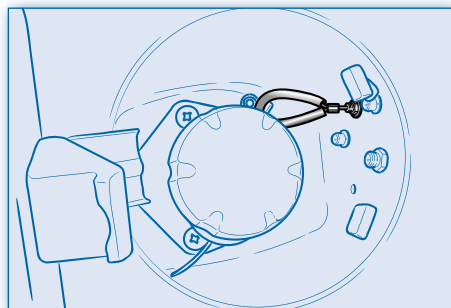


Closing

- Lower the lid until it is about 20 centimetres from closing, then let it drop.
- Always check that it is properly closed.

Emergency opening

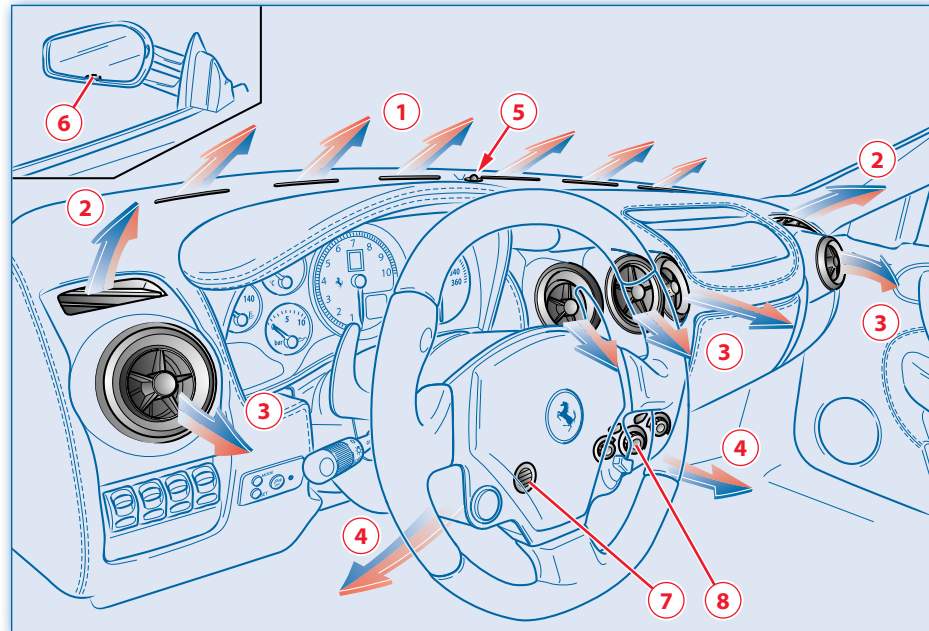
If the opening lever malfunctions, pull the cable situated in the fuel filler cap compartment (see [page 37](#)).



Air conditioning and heating system

- ① Fixed air vents for windscreen.
- ② Fixed air vents for side windows.
- ③ Adjustable central and side vents.
- ④ Air vents for foot area.
- ⑤ Sun radiation sensor.
- ⑥ Outside temperature sensor.
- ⑦ Passenger compartment temperature sensor.
- ⑧ Air conditioning and heating system controls.

The air conditioning and heating system allows the user to adjust the temperature and humidity in the passenger compartment.



Operating modes

Automatic

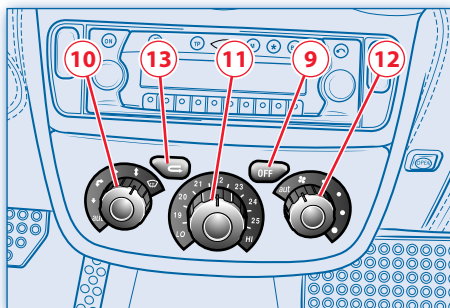
This mode automatically adjusts humidity and ventilation according to the selected temperature.

Manual

This mode allows adjusting the controls according to need.

Functions and controls

- ⑨ Air conditioning control switch.
- ⑩ Air distribution control.
- ⑪ Temperature selection control.
- ⑫ Fan speed control.
- ⑬ Air recirculation switch.



Air conditioning control switch

Released



The air conditioner is on.
The air is cooled and/or only dehumidified according to the selected temperature.

Pressed (stop)



The air conditioner is off.
However, heating is still enabled and will turn on according to the temperature set.

Air distribution control

It has three functions:

Automatic



The air flow distribution is controlled by the electronic system depending on the ambient conditions and the selected temperature.

Manual



The air flow is directed towards four different areas.

Fast demisting/defrosting



Activates demisting and/or defrosting of the windscreen and the side windows.

Temperature selection control



Used to set the desired temperature in the passenger compartment.

The end positions activate the functions **LO** and **HI** (minimum and maximum air temperature, respectively).

Fan speed control

It has two functions:

Automatic



The air flow is controlled by the electronic system according to the selected temperature to be reached and maintained.

Manual



The position (❄️) turns the air conditioning off and permits only intake of outside air when the vehicle is moving.



The four positions allow selecting the air flow rate.

Air recirculation switch

Released



The air flow comes from the outside.

When outside temperatures exceed 25°C, the air recirculation function remains on with a 1-minute pause every twenty minutes, to refresh the air.

Pressed (recirculation)



The air flow comes from inside the passenger compartment.

The recirculation speeds up air heating or cooling.

Prolonged use is inadvisable.

Once the interior temperature has stabilised at the desired level, you are advised not to change the position of the temperature selection switch unless the outside temperature changes drastically.

Changing the position of the temperature selection switch results in a certain difference between the temperature in the passenger compartment and the air flowing from the vents. This difference will gradually decrease as the system reaches the steady state.

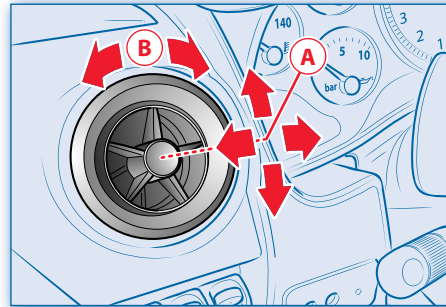
Adjusting the air vents

A Air flow direction adjustment

B Air flow rate.

Turned anti-clockwise: open.

Turned clockwise: closed.



Maintenance

The pollen filter must be replaced every year as indicated in the “Service Time Schedule”.

Sun radiation sensor

The sensor is positioned on the instrument panel and optimises ventilation and temperature control in the passenger compartment, depending on the incidence angle of the sun rays.

