

Owner's manual
U.S. and Canada Version Model Year 2010

Ferrari _____
California





General notes

This vehicle, which complies with the NHTSA / EPA certification standards, uses advanced technology and is capable of achieving high performance levels.

It is equipped with sophisticated active and passive safety systems (described below); these features and systems do not authorize the driver to take risks other than those involved in normal driving, since the preventive and protective action of these devices is provided only in certain conditions. Unless otherwise instructed specifically by **FERRARI** (see the Safety chapter), the deactivation of any vehicle restraint systems is **PROHIBITED**.

While certain safety devices (e.g., the airbags) have been designed to help ensure that they provide optimal levels of protection, they may nonetheless be hazardous in the event of failure by the driver or passenger to observe the instructions given by **FERRARI**. All vehicle occupants must be attentive at all times and take particular care when transporting passengers who are more subject to injury, such as children, disabled and elderly persons.

For safe driving, the following conditions must **ALWAYS** be met:

- the driver must be in good physical condition
- road regulations must be strictly observed
- common rules of caution must always be observed in relation to the quality/performance of the vehicle, driving conditions and contingent situations.

- Driving takes place in a naturally dangerous context where a number of different risk factors interact. For this reason, it is important to drive bearing in mind that others, whether they are pedestrians, motorcyclists or motorists, can make mistakes. Keeping a safe distance helps you reacting in emergency situations.

Distractions and underestimating danger are the cause of most accidents.

- Caution and discipline are the basis of safe driving. Correct and careful use of a vehicle derives from respect for one's own safety and that of others, as well as from compliance with road regulations.

FERRARI recommends reasonable and careful use of the vehicle. The driver **MUST NEVER** allow passengers to increase the risks associated with driving (e.g., by not using safety systems such as the seat belts) by failing to observe the mandatory safety rules that apply to both driver and passengers. All occupants must wear their seat belts at all times!

The vehicle **MUST NOT** be modified or tampered with for any reason whatsoever since, by so doing, the manufacturer's homologation and safety parameters will be modified.

The owner of the vehicle is obliged to perform careful maintenance on the vehicle in compliance with the recommended maintenance schedule.

The driver must pay particular attention to the signals of the vehicle, especially the warning lights on the dashboard and buzzers. Even when the warning lights do not indicate a situation of immediate danger, the driver must be cautious in relation to possible consequences/degeneration of the failure and other information given.

Even during routine operations, such as refueling, precautions should always be taken and it is important to check that flammable liquid has not been spilled; these precautions must be observed even if the operation is performed by others. Similarly, before starting off make sure that the doors are closed by checking the warning lights and also manually. The driver must be fully knowledgeable with the vehicle and its controls in order to handle and drive it correctly. Knowledge of the vehicle can be achieved/improved by attending the driving courses held by **FERRARI**, which are recommended.

The use of motor sports terms (such as F1, SPORT and RACE) is merely indicative of the competition-derived technology and suspension systems in the vehicle and does not endorse any inappropriate behavior on the road which does not comply with traffic regulations.

The above is a general outline of some of the issues described in detail in this manual.

Remember that state, national and international legislation requires that the driver of the vehicle must be capable of performing corrective and/or emergency maneuvers at all times. The driver must also use any on-board information, communication and entertainment systems responsibly, especially when the vehicle is in motion. Examples of information, communication and entertainment systems are the following: satellite navigation systems, traffic information systems, media players (e.g., iPod), telephones with Bluetooth connectivity, etc. (whether audio-based or with display).

The driver must bear in mind that on-board systems may cause distraction while driving, since they may require the driver to turn his attention away from the road for several seconds. Aftermarket video entertainment systems for the passenger (e.g. TV) must be installed only where they will not distract the driver while the vehicle is in motion.

These systems may only be operated by the driver:

- in complete safety (stopping the vehicle before use if necessary);
- putting road safety first; for example, in poor or limited visibility conditions, looking at a display with active programs can be distracting if you take your eye off the road, even for a split second.

While the vehicle is in motion, the attention required to use on-board systems must never exceed the high level of attention required to drive safely in accordance with the traffic regulations:

- if the previous vehicle owner had installed systems on the vehicle that are NOT APPROVED by **FERRARI** (e.g., car tuning), ensure that they are fully compatible with the original vehicle equipment;
- in some countries, the use of entertainment/information systems on vehicles is prohibited while driving.

The driver is responsible for the use of these entertainment/information systems with video screens if they are prohibited in the country where the vehicle is driven.

Strict priority criteria must be observed when driving a vehicle: you must not therefore take your attention and eyes off the road. Operations not involved with driving (e.g., changing dashboard functions) must be performed in maximum safety when the vehicle is stationary.

THE NHTSA'S TOLL-FREE AUTO SAFETY HOTLINE

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying **FERRARI S.p.A.**

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or **FERRARI S.p.A.**

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153) (Media inquires: 202-366-9550);

go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE West Building, Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

THE TRANSPORT CANADA TOLL-FREE AUTO SAFETY HOTLINE

If the affected vehicle is not repaired free of charge to you and within a reasonable time, you may submit a written complaint to Head of Recalls, Road Safety and Motor Vehicle Regulation, Transport Canada, 2780 Sheffield Road, Ottawa, Ontario K1B 3V9. You may also telephone Transport Canada at (613) 993-9851.

FUELS CONTAINING ALCOHOL

For its fuel injection systems, FERRARI uses components and materials of very high quality. However, no specific tests have been carried out to assure the reliability of the system when using fuel containing alcohol. Consequently, we recommend that you do not use fuel containing alcohol on **FERRARI** vehicles.

Introduction

The aim of this Owner's Manual is to inform you in the proper use of your vehicle, 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 driving. The Owner's Manual should be considered an integral part of the vehicle and must therefore always be kept on board.

Using the vehicle in a way that does NOT comply with the Owner's Manual not only exonerates **FERRARI** of any responsibility but also puts the person at great risk.

Updating

The high quality level of the vehicle is subject to constant technological improvements. Therefore, there may be differences between this manual and your vehicle.

Your **AUTHORIZED FERRARI DEALER** will be pleased to provide you with all the information on any important updates.

All specifications and illustrations contained in this manual refer to those resulting as of the printing date. Specifications may be changed without prior notice.

Spare parts

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

The **FERRARI** warranty is voided if **GENUINE FERRARI** Spare Parts are NOT used for repairs.

Warranty Book

Each new vehicle comes equipped with a "Warranty Book".

This contains the vehicle warranty terms and conditions.

The Warranty Book also contains the routine maintenance indicated in the "Maintenance Schedule"

Service

The information in this manual is necessary for the proper use and care of the vehicle. In addition, Customers will get maximum satisfaction and results from the vehicle if they carefully follow the instructions contained in it.

We recommend that you have all the checks and services performed at an **AUTHORIZED FERRARI DEALER** since they have highly skilled staff and the necessary equipment.

Please refer to the "Sales and Service Organization" manual for information on the location of the **AUTHORIZED FERRARI DEALERS**.

The **FERRARI TECHNICAL SERVICE DEPARTMENT** is at your complete disposal for any information and advice.

Consulting the manual

To facilitate reading the manual, the topics have been divided into sections and chapters.

To further facilitate consultation, each section is identified by a specific color:

General

Provides general information about your vehicle.

Quick reference guide

Contains all the information you need when using the vehicle for the first time.

Safety

Describes the main safety systems in the vehicle.

About your Vehicle

Provides all necessary information for use of the vehicle.

Advice for Emergency Situations

Provides useful advice for solving certain problems that may occur.

Care of the vehicle

Provides advice for cleaning, care and routine maintenance of your vehicle.

Glossary

Explains the main technical concepts.

Table of Contents

Allows you to quickly identify and locate the information required.

Within the various sections, special attention must be paid to the parts marked as follows:

Warning



Extreme caution required: failure to comply with the instructions could constitute a serious risk to personal safety and vehicle protection!

Important note



Important note: a note containing instructions or information.

Environment



Warning for environmental protection: useful advice for protection of the environment.

DCT gearbox

Important note



The vehicle is equipped with an electro-hydraulically controlled gearbox system by means of paddles located behind the steering wheel.

The default setting for the DCT gearbox is always “Auto” mode. Every time the vehicle is started, the DCT gearbox is in “Auto easy exit” mode unless the vehicle was in “Auto” mode when it was turned off.

To exit the “Auto easy exit” mode operate the **UP** or **DOWN** paddle (while the vehicle is moving) or press the **AUTO** button on the center console.

Important note



Although the system can be used in “Auto” mode, it should not be considered an automatic gearbox and therefore, to use it correctly, always follow the instructions given in this manual on page 168.

Abbreviations/Acronyms

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

A.C.	AIR-CONDITIONING
ABS	ANTI-LOCK BRAKING SYSTEM
ASR	ANTI-SKID REGULATION during acceleration
EBD	ELECTRONIC BRAKE-FORCE DISTRIBUTION
CST	STABILITY and TRACTION CONTROL
ECU	ELECTRONIC CONTROL UNIT
F1-Trac	Traction control derived from the technologies used in the racing sector
PS	Performance Start
DCT	DUAL CLUTCH TRANSMISSION

For an overview of the abbreviations contained in this manual, please see the **Glossary**.

Environmental protection

Environment



The following section contains useful advice for environmental protection.

FERRARI has designed and constructed a vehicle using technologies, materials and devices with the aim of reducing the harmful impact on the environment to a minimum.

Using your vehicle with respect for the environment will contribute towards environmental protection.

Fuel consumption as well as engine, gearbox, brake and tire wear mainly depend on two factors:

- use of the vehicle
- driving style.

Both factors are influenced by the driver.

Use of the vehicle

- Avoid using the vehicle for short trips.
 - Check that the tire pressure is correct.
 - Check fuel consumption.
 - Proper periodic maintenance will contribute to preserving your vehicle in full working order and will help protect the environment.
- We therefore advise you to respect the service due dates indicated in the “MAINTENANCE SCHEDULE”.

Driving style

- Do not accelerate during the starting procedure.
- Do not warm up the engine when the vehicle is stationary.
- Drive prudently and keep a safety distance suited to the driving speed.
- Avoid sharp and frequent accelerations.
- Turn off the engine if the vehicle is kept stationary for long periods of time.
- Shift gears using only 2/3 of the speed permitted for each gear.

Important note



The vehicle is equipped with exhaust gas control and monitoring systems which must always function properly and be checked regularly.

Warning



Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California (CA) to cause cancer and birth defects and reproductive harm.

In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California (CA) to cause cancer and birth defects or other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.

Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing thoroughly with soap and water.

Vehicle event data

The driving and safety systems employed in your vehicle use computers that monitor, and share with each other, information about your vehicle operation. One or more of these computers may store certain monitored information, either during normal vehicle operation or in a crash or near-crash event. Stored information may be read and used by:

- **FERRARI NORTH AMERICA, INC.**
- **FERRARI S.p.A.**
- Service and repair facilities
- Law enforcement or government agencies
- Others who may assert a legal right to know, or who obtain your consent to know such information.

1. General

2. Quick reference guide

3. Safety

4. About your vehicle

5. Advice for Emergency Situations

6. Care of the vehicle

7. Glossary

8. Table of Contents



Vehicle keys

The vehicle is delivered with two identical keys that can be used for:

- central door locking / unlocking
- starting the vehicle
- activating/deactivating the alarm system
- opening the luggage compartment.

Important note



If the keys are lost or stolen, you can request a duplicate from your **AUTHORIZED FERRARI DEALER** (see section “Duplicating the keys” on page 18).



Important note



Make sure you record the code numbers in the space provided in the “**WARRANTY BOOK**”.

Key codes

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

- the electronic code
- the mechanical code for the keys, to be given to your **AUTHORIZED FERRARI DEALER** if you request duplicates of the keys.

Warning



The code numbers on the **CODE CARD** must always be kept in a safe and protected place, not accessible to others.

Important note



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

Alarm system

The Ferrari CODE system

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

The keys are equipped with an electronic device which transmits a coded signal to the FERRARI CODE ECU. Once this ECU has recognized the signal, the engine can be started.

Operation

Each time the ignition key is removed from the 0 position, 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 **A** on the instrument panel turns off when the check procedure has been completed, whereas the **OBD** warning light **B** turns off when the engine is started once the **ECU** has completed its diagnostic cycle. In these conditions, the protection system has recognized the key code and deactivated the immobilizer.
- 2) If the **CODE** warning light **A** illuminates permanently, it means that the code has not been recognized. In this case, it is advisable to turn the key back to position 0 and then back to **II**. If the immobilizer device remains active, try with the other key.

Important note



If you still cannot restart the engine, contact your **AUTHORIZED FERRARI DEALER**.



- While driving, with the ignition key in position **II**:

- 1) If the **CODE** warning light **A** illuminates, it means that the system is performing a self-diagnostic cycle. At the first opportunity, you can stop and test the system: stop the engine by turning the ignition key to position **0**, then turn the key back to position **II**. The **CODE** warning light **A** will illuminate 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.

Important note



If the problem persists, please contact your **AUTHORIZED FERRARI DEALER**.

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



Important note



Contact your **AUTHORIZED FERRARI DEALER** immediately to have all the keys stored in the system memory.

Important note



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

Duplicating the keys

If you request additional keys, provided that the conditions to satisfy your request are met, remember that the codes must be stored (up to a maximum of 7 keys) on all the keys. Contact your **AUTHORIZED FERRARI DEALER** directly and bring the following with you:

- all the keys in your possession
- the **CODE CARD** for the **FERRARI CODE** system
- a personal identity document
- the documents proving ownership of the vehicle.

The codes of the keys that are not available when the new memorization procedure is performed will be deleted from the memory, in order to prevent that any lost or stolen keys are used to start the vehicle.

Replacing remote control batteries

If you press one of the three buttons of the key and this does not activate the corresponding function, check for correct operation of the alarm system functions using the other remote control before replacing the batteries.

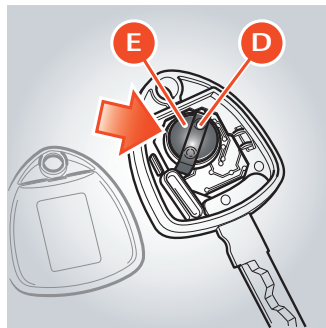
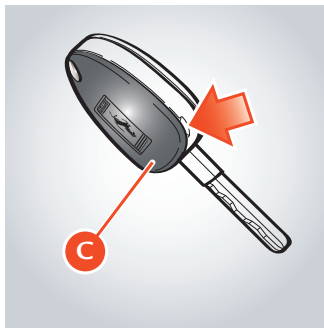
Replace the remote control batteries as follows:

- open the key cover **C** using a small screwdriver at the position indicated by the arrow
- remove the battery **E** pushing in the direction indicated by the arrow to release it from the retainer cover **D**
- fit a new battery of the same type, observing the indicated polarity;
- close the key cover **C**.

Important note



Do not use sharp tools to remove the cover and be careful to avoid damaging the remote control.



Warning



There is risk of explosion if the battery is replaced with an incorrect type.

Dispose of used batteries according to the instructions.

Electronic alarm

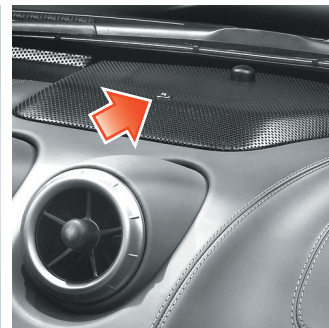
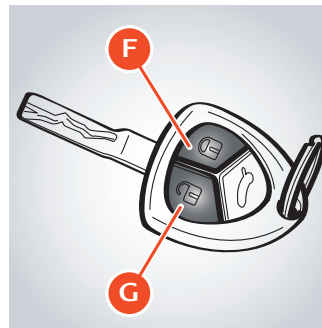
The electronic alarm system performs the following functions:

- remote control for central door locking/unlocking
- perimeter surveillance, detecting if doors and lids are opened
- motion surveillance, detecting intrusion in the passenger compartment
- vehicle movement surveillance.

Activation

To activate the electronic alarm, press button **F** on the key:

- the direction indicators flash once
- the system “beeps”



- the red LED on the dashboard flashes
- the central door locking system is activated and the doors are locked.

The system activates after approximately 25 seconds.

When the electronic alarm is activated, the user may request opening of the luggage compartment; in this case, the motion and anti-lift sensors are temporarily deactivated.

If the luggage compartment is then closed, the sensors will be reactivated.

If the direction indicators and the red LED on the dashboard flash 9 times when you activate the alarm system, this means that one of the doors or the front/rear lid is not properly closed and therefore is not protected by the perimeter surveillance. Check for correct closing of the doors, front/rear lid and close any open door or lid without deactivating the alarm system. The direction indicators flashing once indicate that now the door or the front/rear lid is closed properly and is protected by the perimeter surveillance.

Warning



If the direction indicators and the red LEDs on the dashboard flash 9 times when the alarm system is activated with doors, rear and front lids properly closed, it means that the self-diagnostic feature has detected a malfunction in the system. Contact your AUTHORIZED FERRARI DEALER to have the system checked.

Deactivation

To deactivate the alarm system press button **G** on the key:

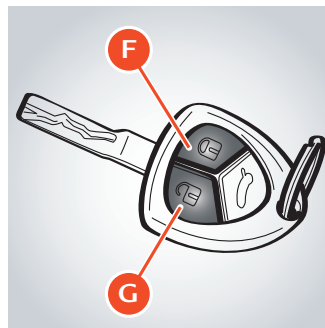
- the direction indicators flash twice
- the system beeps twice
- the red LED on the dashboard turns off
- the dome lights and the lights under the doors illuminate
- the central door locking system is deactivated and the doors are unlocked.

Pressing button **G** twice unlocks the doors and also turns on the low beams for 30 seconds.

The alarm system is off and it is therefore possible to get into the vehicle and start the engine.

If the remote control battery is dead, to enter the vehicle, insert the key into one of the two door locks, then turn it to release the lock. The alarm siren will start to sound.

Start the vehicle following the standard procedures. The alarm siren will deactivate.



Deactivating the anti-lift alarm

Press button **H** to deactivate the anti-lift alarm system. When this function is deactivated, the LED on the button will flash for about 3 seconds and will then turn off.

Alarm memory

If the **CODE** warning light illuminates on the display when the vehicle is started, this means that an intrusion has been attempted.

The alarm system memory is reset by turning the ignition key.

In this case, the system will indicate the reason for the alarm activation according to the following priority:

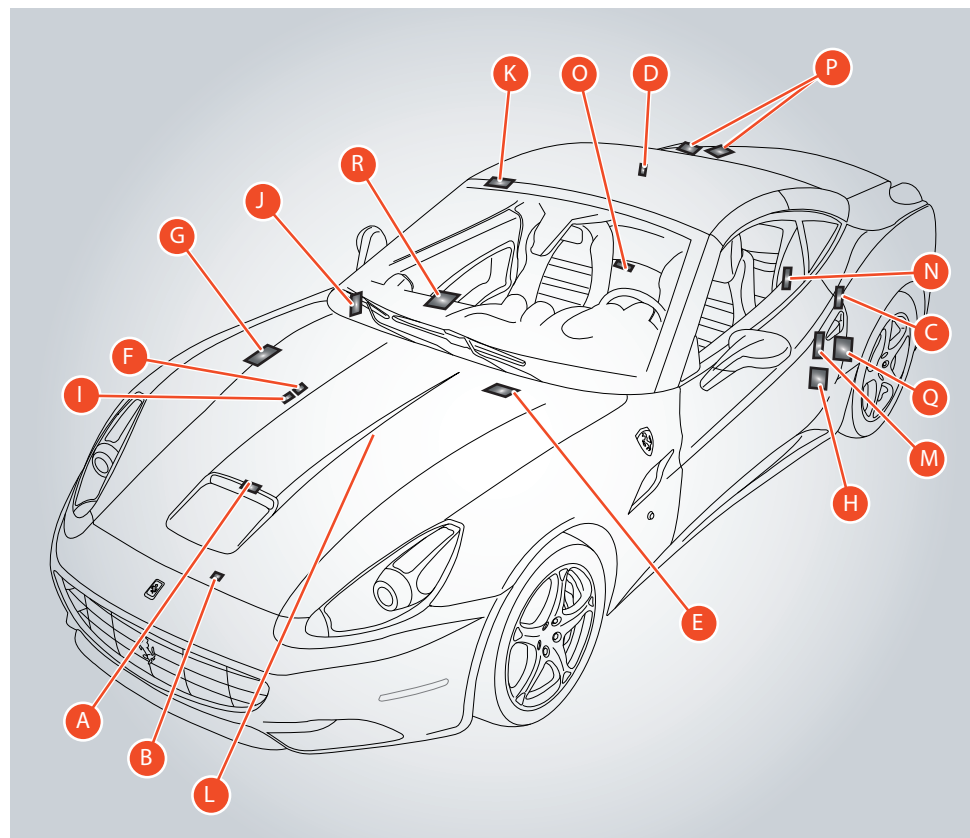
- **LED off twice**: lifting sensor alarm
- **LED off three times**: door alarm
- **LED off four times**: luggage compartment lid alarm
- **LED off five times**: ignition key alarm.

The alarm system memory is reset by turning the ignition key.

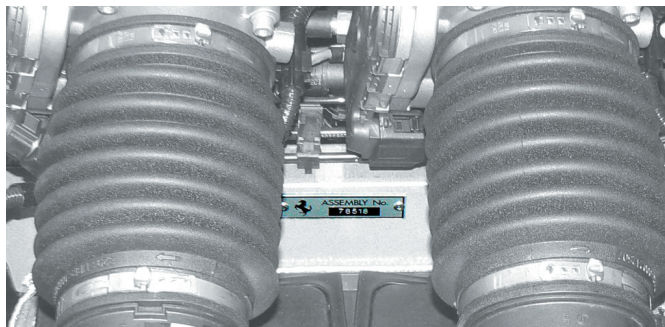


Identification plates and labels

- A** Assembly number plate
- B** Emission control data label
- C** V.I.N. plate
- D** Fuel label
- E** Paintwork label
- F** Oil check label
- G** Engine/gearbox oil type label
- H** TPMS label
- I** Anti-freeze label
- J** Airbag maintenance label
- K** Airbag warning label
- L** Engine type and number
- M** Tire pressure and type label
- N** Gearbox type and number
- O** Chassis number plate
- P** Retractable hard top warning labels
- Q** Mercury content warning label
- R** Child seat warning label



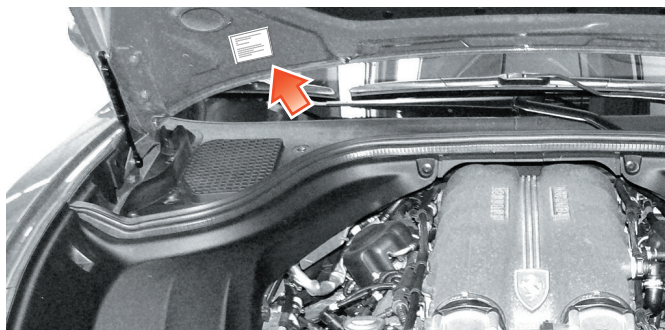
A Assembly number plate



C V.I.N. plate



B Emission control data label



D Fuel label



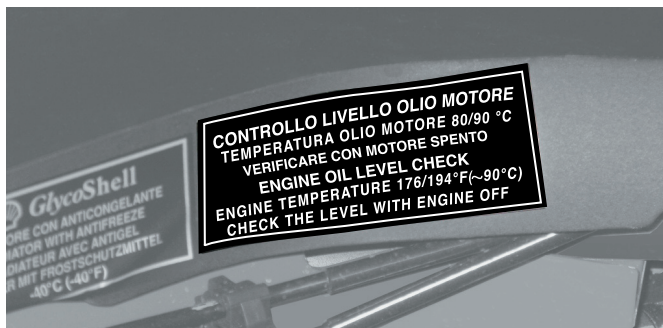
E Paintwork label



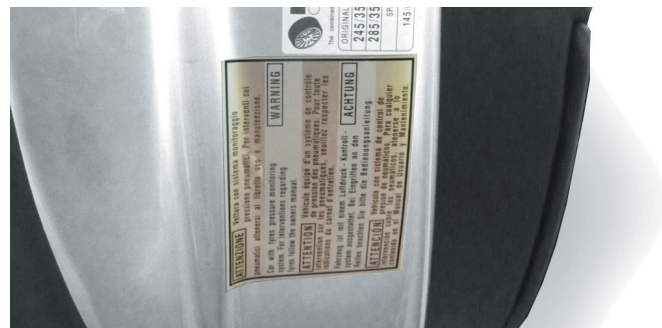
G Engine/gearbox oil type label



F Oil check label



H TPMS label



I Anti-freeze label



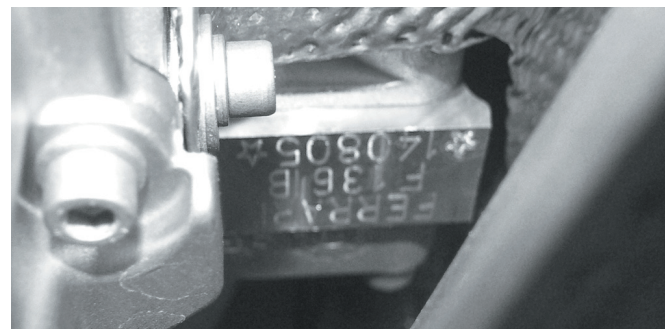
K Airbag warning label



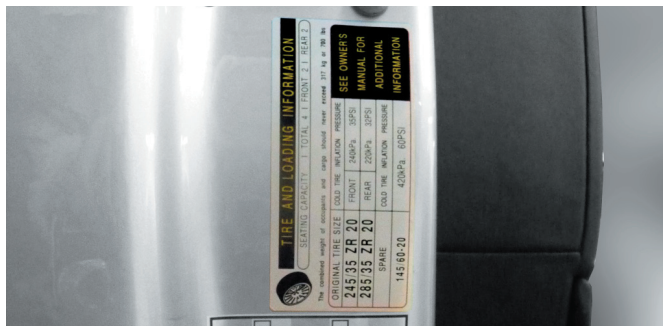
J Airbag maintenance label



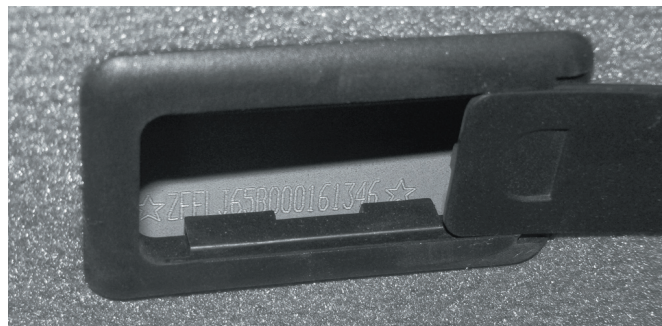
L Engine type and number



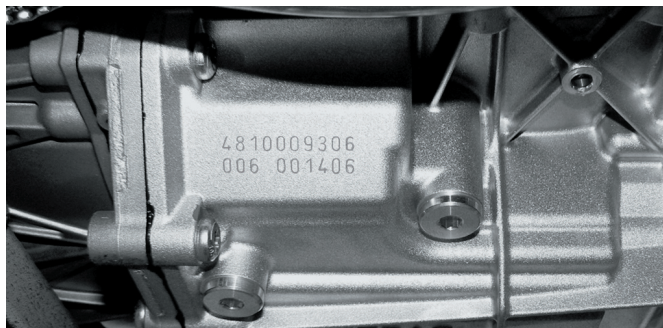
M Tire pressure and type label



O Chassis number plate



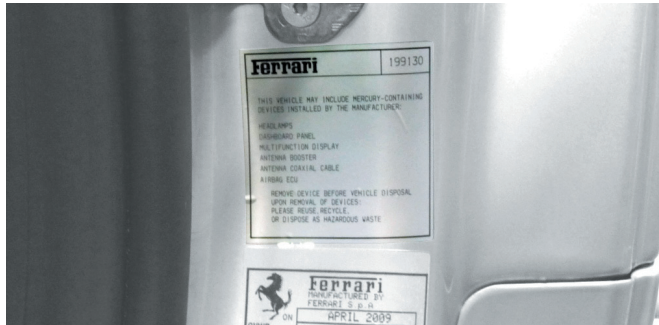
N Gearbox type and number



P Retractable hard top warning labels



Q Mercury content warning label



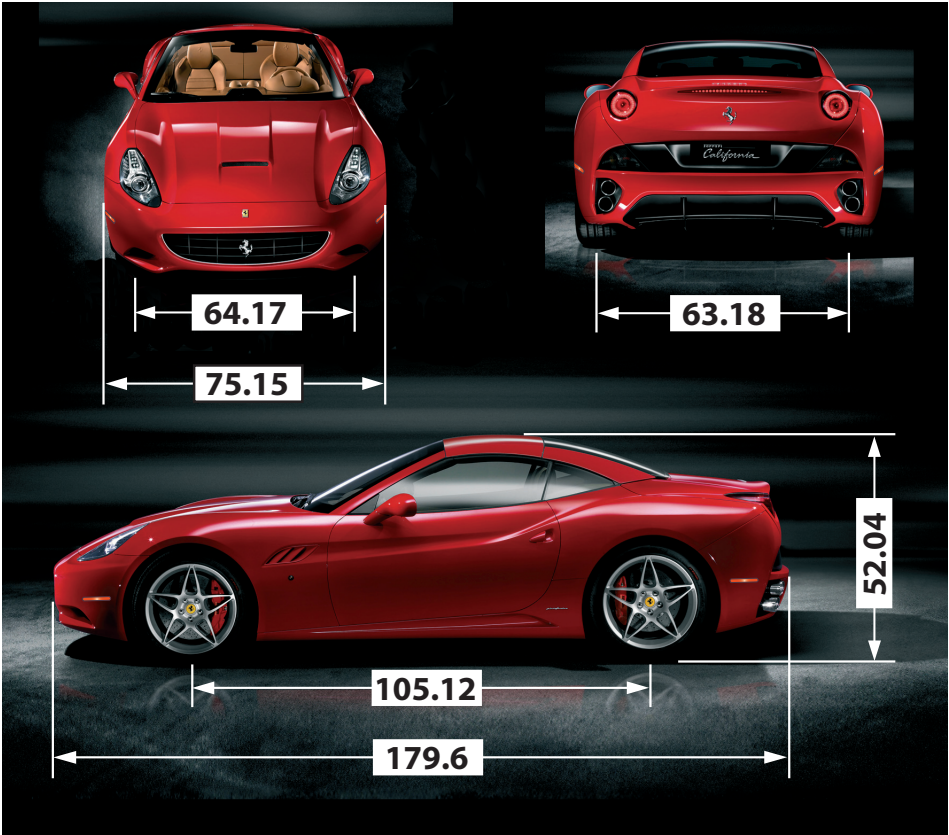
R Child seat warning label



Dimensions and weights

Wheelbase	105.12 in. (2670 mm)
Max. length	179.6 in. (4562 mm)
Max. width	75.15 in. (1909 mm)
Max. height	52.04 in. (1322 mm)
Front track	64.17 in. (1630 mm)
Rear track	63.18 in. (1605 mm)
Front overhang	37.4 in. (952 mm)
Rear overhang	37 in. (940 mm)
Curb weight (DCT)	3925 lb. (1780 kg)*

* With the vehicle fitted with the most popular options available.



Main engine specifications

Engine Family	AFEXV04.3GDI
Type	F 136 IB
Number of cylinders	8
Cylinder sequence	V 90°
Cylinder bore	3.7 in. (94 mm)
Piston stroke	3.04 in. (77.4 mm)
Total displacement	4297 cm ³
Compression ratio	12.2:1
Maximum RPM (with limiting device)	8000 RPM
Max. power	338 kW (453 HP)
Corresponding RPM	7750 RPM
Max. torque	357.7 ft. lb. (485 Nm)
Corresponding RPM	5000 RPM

Transmission ratios

Gearbox ratios	Differential/bevel gear pair ratio
1 = 2.822	
2 = 2.053	
3 = 1.379	4.444
4 = 1.091	
5 = 0.966	
6 = 0.788	
7 = 0.651	
R = 2.368	

Performance

	0 - 100 km/h (62 mph)	0 - 400 m (1,312 ft.)	Max. speed
DCT	3.9 s	12.2 s	> 192 mph (> 310 km/h)

Electric system

Supply voltage	Alternator
12 V	Nippondenso 150 A SC2
Battery	Starter motor
Fiamm 12V - 100 A/h - 850 A	Nippondenso

Fuel Consumption (miles per US Gallon)

DCT Gearbox Version	
City	15.5
Highway	26.1
Average fuel consumption	19

These estimates are based on tests performed on vehicles equipped with the most popular optional equipment.


The fuel economy values are calculated pursuant to the new EPA fuel economy labeling procedure for 2008 and later model years. You can also obtain other information from <http://www.fueleconomy.gov>.

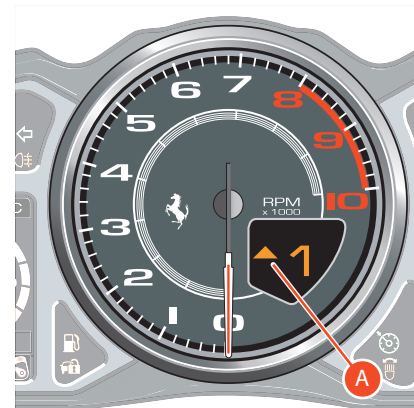
Reminder: Your actual fuel consumption may vary depending on your driving style and habits, vehicle maintenance, optional equipment installed, road and weather conditions.

For best fuel economy, shift gears at the following speeds:

1 st	-	2 nd	12,5 mph (20,12 km/h)
2 nd	-	3 rd	17,5 mph (28,16 km/h)
3 rd	-	4 th	22,5 mph (36,21 km/h)
4 th	-	5 th	27,5 mph (44,26 km/h)
5 th	-	6 th	32,5 mph (52,30 km/h)
6 th	-	7 th	37,5 mph (60,35 km/h)

Shift Indicator Light (SIL) operating mode

The graphic symbol  appears just before reaching the speed recommended for operating the UP lever. After shifting gears or after exceeding the indicated speed, the indicator turns off even if no gearshift is performed.



Wheel rims and tires

<i>Wheel rims</i>		
Front	Rear	Spare wheel
8" J x 19"	10" J x 19"	4.5" J x 20"
8" J x 20"	10" J x 20"	4.5" J x 20"

Important note



Always check your tires regularly for wear and damage.

Tires approved by FERRARI				<i>Inflation pressure (cold)</i>		
	Front	Rear	Spare wheel	Front	Rear	Spare wheel
Pirelli P Zero	245/40 ZR19	285/40 ZR19	145/60 ZR20	35 psi (2.40 bar)	32 psi (2.20 bar)	61 psi (4.20 bar)
Bridgestone	245/40 ZR19	285/40 ZR19	145/60 ZR20	35 psi (2.40 bar)	32 psi (2.20 bar)	61 psi (4.20 bar)
Michelin	245/40 ZR19	285/40 ZR19	145/60 ZR20	35 psi (2.40 bar)	32 psi (2.20 bar)	61 psi (4.20 bar)

Optional tires			<i>Inflation pressure (cold)</i>	
	Front	Rear	Front	Rear
Pirelli P Zero	245/35 ZR20	285/35 ZR20	35 psi (2.40 bar)	32 psi (2.20 bar)
Bridgestone RE 050 (Run Flat)	245/40 ZR19	285/40 ZR19	35 psi (2.40 bar)	32 psi (2.20 bar)
Bridgestone	245/35 ZR20	285/35 ZR20	32 psi (2.20 bar)	32 psi (2.20 bar)

Winter tires		<i>Inflation pressure (cold)</i>	
	Front	Rear	
Pirelli Winter Sottozero	245/40 ZR19	285/40 ZR19	35 psi (2.40 bar) 32 psi (2.20 bar)

Wheel Replacement

Important note



We recommend you read the entire procedure carefully before performing it.

Wheel bolt pre-tightening	25.8 - 29.5 ft. lb. (35-40 Nm)
Wheel bolt final tightening	73.8 ft. lb. (100 Nm)

Uniform tire quality grading

All passenger car tires must conform to Federal Safety requirements in addition to these grades.

DOT quality grades

Tires type	Pirelli P Zero
Tread wear	220 (front) 160 (rear)
Traction	AA
Temperature	A

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a prescribed government test course.

For example, a tire graded 150 would wear one and one-half (1-1/2) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, and may differ significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate. Check your tires regularly for wear.

Traction

The traction grades, from highest to lowest, are “AA”, “A”, “B”, and “C”.

These grades represent the tire’s ability to stop on wet pavement under controlled conditions on specified government test surfaces of asphalt and concrete. Tires marked “C” have poor traction performance.

Warning



The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature

The temperature grades are “A” (the highest), “B”, and “C”.

Temperature grades represent the tire’s resistance to the generation of heat and its ability to dissipate heat under controlled indoor test wheel conditions. Sustained high temperature can cause the tire to deteriorate and can reduce tire life. In addition, excessive temperature can lead to sudden tire failure. Grade “C” corresponds to a level of performance which all tires installed on passenger vehicles must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades “B” and “A” represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning



The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Run Flat tires (optional)

The vehicle can come equipped with “Run flat” tires. This type of tire has a reinforced side **A** which allows the vehicle to continue traveling at moderate speed (50 mph - 80 km/h), even after a puncture, for a specific distance.

The instrument panel receives the “tire puncture” information from the tire pressure monitoring ECU, which monitors the residual tire life, and displays a warning in the dedicated area of the TFT display after 31 miles (50 km).

After 62 miles (100 km), a message warning the driver to stop the vehicle will be displayed (see “Tire pressure and temperature monitoring system” on page 101).

Warning

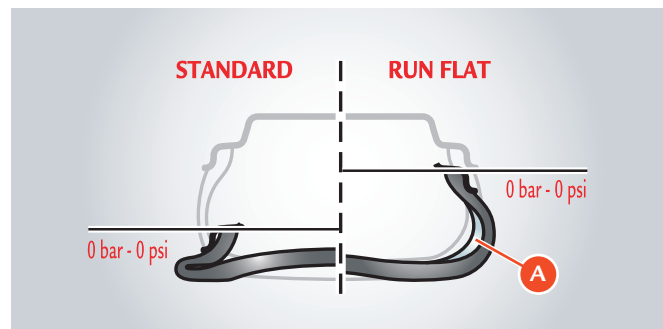


Observing the recommended wheel alignment values is essential in order to help obtain the best performance and the longest life of these tires.




Warning



If you are going to use standard tires on a vehicle that was originally equipped with “Run Flat” tires, you must contact your **AUTHORIZED FERRARI DEALER** to have the dashboard reprogrammed and to prevent viewing warning messages on the TFT display.



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	11.66 qts. (11 l)		HORSE POWER SAE 5W-40	235
	Oil level between Min. and Max.	1.58 qts. (1.5 l)			
	Oil consumption (depending on driving conditions)	1.06-2.11 qts./600 miles (1.0 ÷ 2.0 l/1,000 km)			
Gearbox and differential		5.19 qts. (4.9 l)		SHELL TRANSAXLE 75W-90 GL5	237
Clutch system and hydraulic controls		9.75 qts. (9.2 l)		SHELL DCT-F3	
Braking system		1.16 qts. (1.1 l)		DONAX UB BRAKE FLUID DOT4 <i>Ultra</i>	239
Cooling circuit		8.48 qts. (8 l)		GLYCOSHELL at 50%	237
Hydraulic steering system		1.58 qts. (1.5 l)		DONAX TX	238
	Steering box	0.22 lb. (100 g)			
Fuel tank		20.59 US Gallon (78 l)		Premium Gasoline (91-94 A.K.I.)	119
	Reserve	5.28 US Gallon (20 l)		Unleaded fuel	
RHT system	Total system capacity	0.42 qts (0.4 l)		Pentosin CHF 11S	-
	Oil level between Min. and Max.	0.07 qts. (65 ml)			

<i>Parts to be refilled</i>	<i>Quantity</i>	<i>Fill with:</i>	<i>Ref. Page</i>
Air conditioning and heating system			-
Compressor	10.07 cu.in. (165 cc)	PAG ISO 46	
Refrigerant	500 ± 50 g	DELPHI RL 488 "R 134 A"	
Windshield washer/headlight washer fluid tank	1.58 US Gallon (6 l)	Windshield washer fluid	240

1. General

2. Quick reference guide

3. Safety

4. About your vehicle

5. Advice for Emergency Situations

6. Care of the vehicle

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Opening

Doors

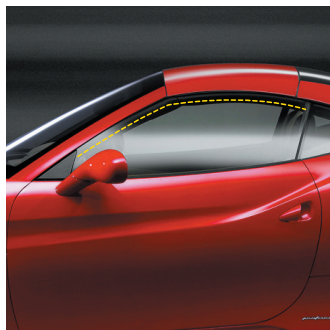
When the doors are opened or closed, the windows will automatically move down by approximately 0.8 in. (2 centimeters) and stop (see dashed line in picture below) in order to avoid damaging the weather strip.

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

Opening from the outside

Using the remote control, deactivate the alarm and the central door locking system, or turn the key in the lock to deactivate the central door locking system.

When pulling the handle to open the door, the window moves down by approximately 0.8 in. (2 centimeters). When the door is closed, it will move back up until it meets the upper limit.



Locking and opening the doors from the inside

Both doors can be locked/unlocked using button **A** on the roof console.

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 up until it meets the “upper limit”.

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 limit”.

Therefore, the handle must be released and pulled again in order to open the door.

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

Underdoor light

Each door has an underdoor light. This light turns on automatically when the door is opened.



Retractable hard top

Warning



For safety reasons, the retractable hard top can only be opened and closed when the vehicle is stationary.

Warning



The hard top must be opened or closed while remaining correctly seated in the driver's seat.

Warning



Before activating the hard top and while it is in motion, always check that people and objects are at a safe distance from the moving parts of the hard top. In the event of danger, release the hard top switch; all movement will stop immediately.

Warning



Before operating the retractable hard top, make sure that the backrest of the child seat is set to its minimum height.

Important note



If distance **B** is less than 15.75 in. (400 mm), the parking sensors will not allow the hard top to open or close.

The conditions required for opening and closing the retractable hard top are:

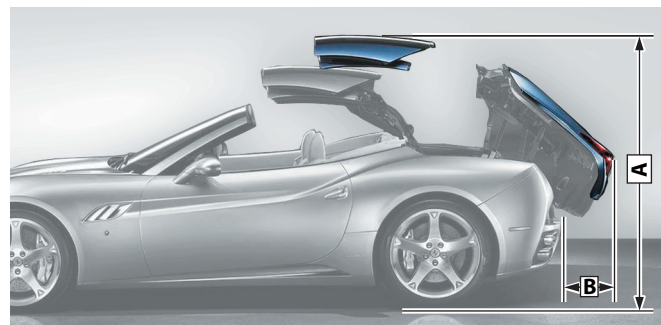
- the vehicle must be stationary
- the luggage compartment must be closed
- the battery voltage must not be below 11 volts
- the partition between the luggage and the folded top compartments must be in the correct position, fully pushed back and fastened
- check there is adequate space heightwise and in the rear of the vehicle: the minimum available height **A** must be 66.93 in. (1700 mm), the minimum distance **B** of an obstacle from the rear must be more than 15.75 in. (400 mm)
- the ignition key in position II and engine running.

Important note



We recommend operating the retractable hard top with the engine running.

- the hydraulic system must not be overheated.



If one or more conditions are not met, the relevant message will appear on the TFT display.

Important note



Before opening or closing the hard top, refer to “Placing suitcases in the luggage compartment” on page 191.

Hard top opening using the switch

Warning



Before opening the hard top, ensure that the top of the roof and the rear window are dry to avoid water entering the passenger compartment or luggage compartment.

Pull back the switch **A** on the center console and hold it until the operation has been completed.

The operation in progress will be indicated by a message on the TFT display (see page 126).



At the end of the opening cycle, an acoustic signal will indicate the end of the operation and a corresponding message will appear on the TFT display (see page 126).

Important note



Throughout all these phases, the side windows cannot be activated.

For further information, see pages 125-126.

Hard top closing using the switch

Push switch **A** on the center console forward and hold it until the operation has been completed.

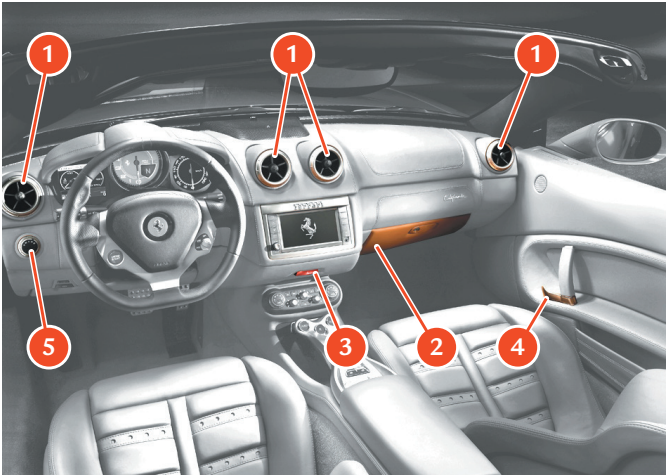
The operation in progress will be indicated by a message on the TFT display.

At the end of the closing cycle, an acoustic signal will indicate the end of the operation and a corresponding message will appear on the TFT display (see page 127). The switch can be released.

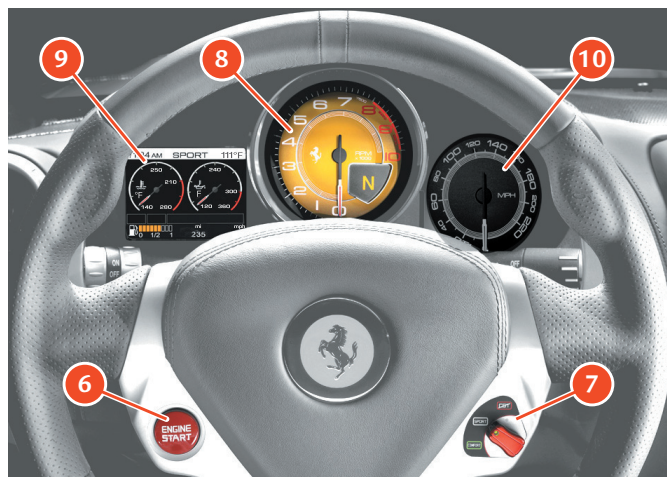
For further information, see pages 126-127 .



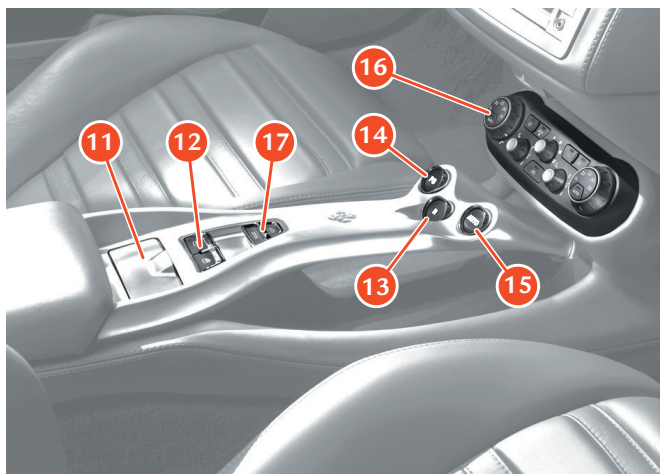
Overview of controls



Ref.	Control	Page
1	Adjustable air vents	189
2	Glove compartment	190
3	Hazard warning lights switch	51
4	Door opening handle	116
5	Light switch	131



Ref.	Control	Page
6	“ENGINE START” button	160
7	“Manettino” control	160-168
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9	“TFT” display	136
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Ref.	Control	Page
11	Ashtray	190
12	Power window switches	120
13	"R" reverse switch	171
14	Performance Start switch	180
15	"AUTO" switch	173
16	Air conditioning and heating system controls	187
17	Retractable hard top switch	125

Adjustments

Seats

Correct adjustments are very important for enhanced driving comfort and to help ensure optimal efficiency of the passive safety systems.

Warning



Never adjust the seat while driving; you may lose control of the vehicle. Adjust the driver's seat only when the vehicle is stationary.

The seat position can be electrically adjusted using the special controls.

Three adjustments are possible using control **E**: forward/backward, height, inclination (tilting).

For further information, see page 181.



Seat back rake adjustment

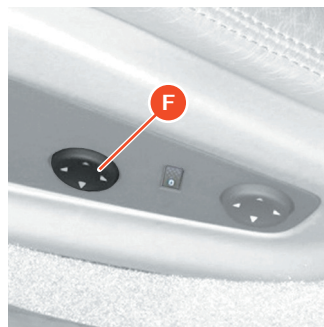
For further information, see page 182.

Lumbar support and side width adjustment

Use control **F** to adjust the lumbar support.

Use control **G** to pneumatically adjust the width of the backrest sides and the seat cushion.

For further information, see page 182.



Tilting the backrest

To tilt the seat, pull lever **L** up and push the backrest towards the front of the vehicle.

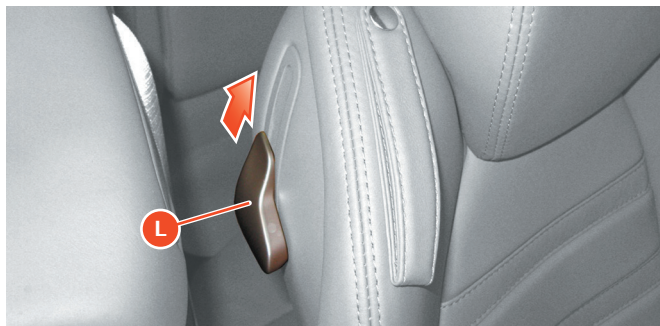
For further information, see page 183.

Warning



The backward/forward adjustment must take into consideration that airbag devices are placed in front of the driver and the front passenger (see page 82).

Correct adjustment ensures there is adequate space between the airbag and the driver/front passenger (see page 82).



Headrest adjustment

To lower the headrest, press button **M**.

Place the headrest at a height that corresponds to the height of the occupant. To raise the headrest, simply pull it up.

Seat heating system (optional)

For further information, see page 184.

Driver's seat position memory (optional)

This device allows you to memorize and recall three different seat positions.

For further information, see page 182.



Steering wheel

The steering wheel is electrically adjustable for rake and reach. It can only be adjusted if the ignition key is in position **II**.

Move control **A** (on the left of the steering column) in the four directions to adjust the steering wheel.

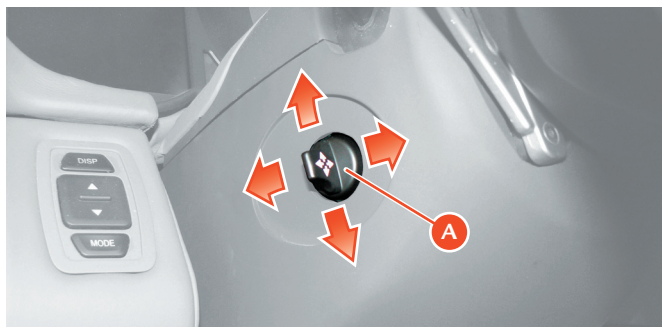
The steering wheel position is memorized, together with the position of the external rear-view mirrors, when the driver's seat position is stored.

Warning



Do not adjust the steering wheel while driving.

To help the driver when entering or exiting the vehicle, the steering wheel is lifted automatically then it returns to the previous memorized position.



Rear-view mirrors

Internal electrochromic mirror

The internal electrochromic mirror automatically darkens to reduce the glare effect of the reflected light on the driver. The speed with which the mirror darkens depends on the intensity of the light.

External rear-view mirrors

These mirrors can be electrically adjusted using the control **B** (with the ignition key in position **II**) and are equipped with defogging elements.

- 1) Mirror selection: using control **B**, select the mirror you wish to adjust (right-hand or left-hand).
- 2) Mirror positioning: move control **B** in the four directions (up – down – right – left) to adjust each mirror.



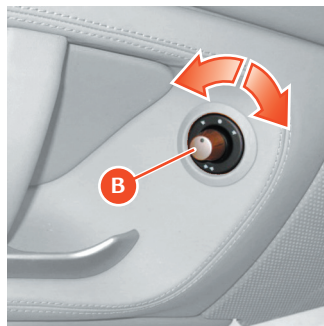
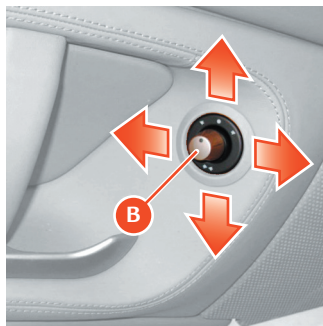
Once adjustment is complete, rotate the control **B** into the central position, where it will be locked, in order to avoid changing the setting inadvertently.

The mirrors are designed to fold in both directions in the event of a collision: if necessary, the mirrors can be pushed both backward and forward.

Warning



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



Seat belts

Warning



The seat belts must be properly adjusted and buckled at all times!

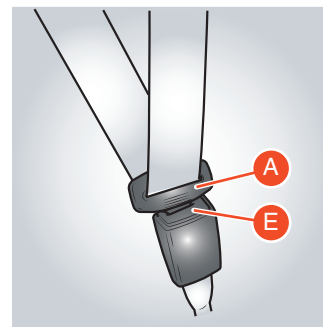
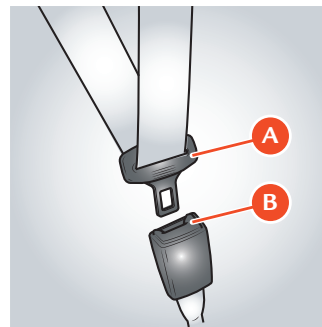
Correct use of the seat belts can help reduce the risk of serious injury in the event of an accident or if the vehicle overturns.

Do not use any devices (e.g., spring clips, locks, etc.) that could keep a seat belt from fitting properly.

Fastening the seat belts

After positioning the seat correctly;

- Grip the latch plate **A**, slowly pull the belt and insert the latch plate 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.

Warning

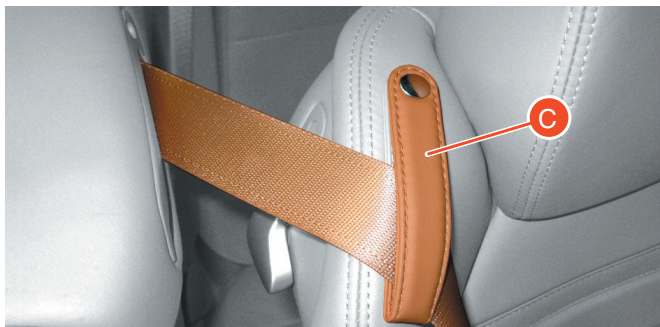


To position the front seat belt correctly, make sure that it passes through the loop **C**, as shown in the figure.

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 on as long as the seat belt is not fastened.

Unfastening the seat belts

- Push the release button **E**.
- Guide the latch plate **A** back to its rest position.



Warning



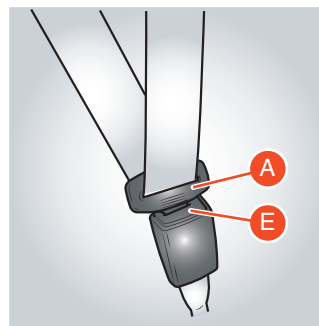
Do not allow children to be held on a passenger's lap using only one seat belt for both of them.

Warning



Remember that, in the event of a violent impact, passengers in the rear seats who are not wearing the seat belts are not only subject to personal injuries (they can be projected forward, hit the windshield and be thrown out of the vehicle) but also constitute a danger to the passengers in the front seats.

Refer to the "Safety" chapter on page 64.



Driving

Ignition 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.

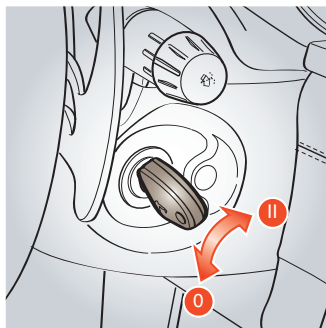
The hazard warning lights and the parking lights can be activated.

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

Position II - Ignition

Turning the key to this position, the TFT display will check the signals coming from the vehicle systems.

If no malfunctions are found after starting the engine, the words “**Check OK**” will be displayed.



Warning



Never remove the key when the vehicle is moving!

The steering wheel will lock on the first rotation of the wheel.

Always remove the key from the ignition when you get out of the vehicle!

Never leave children unattended in the vehicle.

External lights and direction indicators

Light switch

Switch **A** has five positions:

0 Lights off


 Lights and license plate lights on

 Low beams on

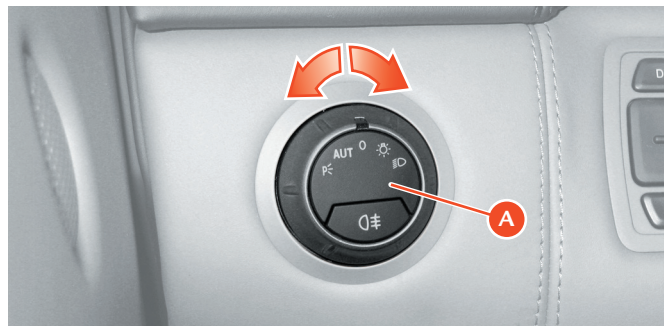
P Parking lights

AUT Automatic operation of the external lights according to the ambient light.

High beams

To turn on the high beams when the light switch **A** is set to , push the left-hand lever **B** towards the dashboard.

Pull the lever **B** towards the steering wheel again to turn off the high beams and turn on the low beams.



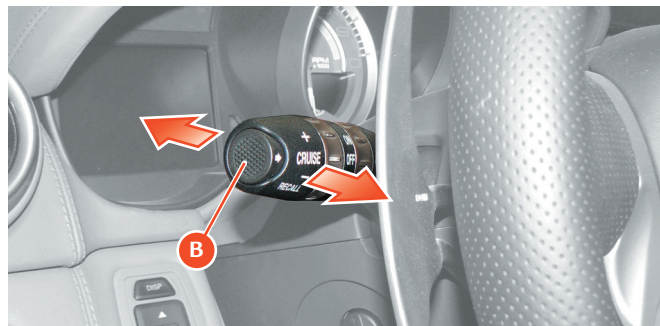
Important note



Follow the Road Regulations of the state or province you are traveling in for using the high beams.

Flashing the headlights

The headlights can be flashed by pulling the left-hand lever **B** towards the steering wheel.



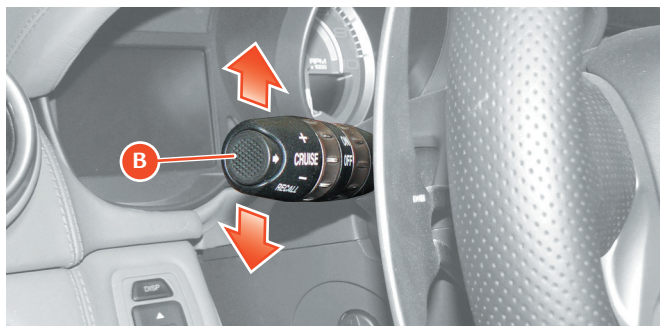
Direction indicators

When lever **B** is:

- moved up, the right-hand direction indicators are turned on;
- moved down, the left-hand direction indicators are turned on.

The lever returns to the neutral position automatically when the steering wheel is straightened.

To indicate a temporary lane change, requiring only the slightest turn of the steering wheel, the lever can be moved without clicking it into the locked position.



Rear fog lights

The rear fog lights are turned on only if the high beams or low beams are on when button **D** is pressed.

Important note



Use the rear fog lights only in poor visibility conditions.

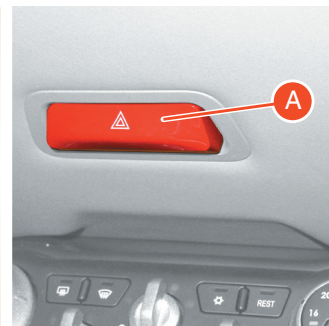
Hazard warning lights

Press button **A** to turn on the hazard warning lights. All the direction indicators will start blinking intermittently. These lights will operate with the ignition key in any position.

When the lights are on, the appropriate warning lights on the instrument panel and on the button flash.

To turn them off, press the button again.

For further information, see page 134.



Starting and driving the vehicle (DCT gearbox)

System start-up

When the ignition key is turned to position **II**, the gear display and failure warning light **A** are turned on. The warning light will turn off if no problems are detected within a few seconds.

The letter P (Parking) or N (Neutral) will remain highlighted on the display.

Important note

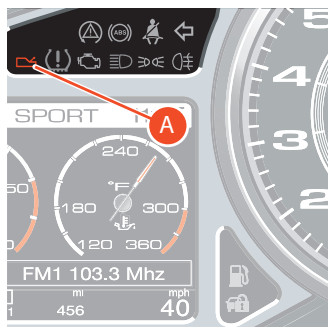


BEFORE YOU DRIVE

If the warning light **A** continues flashing without going off, turn off the system and wait for the gear display to go off before restarting.

If the failure persists, contact your **AUTHORIZED FERRARI DEALER**.

If the warning light **A** is faulty, a warning light will illuminate on



the TFT display (see page 157) and this condition will be indicated by an acoustic alarm when the ignition key is turned to position **II**.

Warning



Contact your **AUTHORIZED FERRARI DEALER**.

Operation with the engine off

The vehicle is equipped with an electro-hydraulically controlled gearbox system operated by means of paddles behind the steering wheel. The default setting for the DCT gearbox is always “Auto” mode.

Every time the vehicle is started, the DCT gearbox is in “Auto easy exit” mode, unless the vehicle was in “Auto” mode when it was turned off.

To exit the “Auto easy exit” mode, simply operate the UP or DOWN paddles (while the vehicle is moving) or press the AUTO button on the center console.

Once the “**System start-up**” stage has been completed, the engaged gear will appear on the gear display:

- N** (Neutral)
- P** (Parking)
- R** (Reverse gear)
- 1** (1st gear)
- 2** (2nd gear), etc.



If the indication flashes (may also occur with **N**) it means that the gear is not properly engaged or disengaged; therefore, request **N** and then the desired gear.

Important note



Immediately release the **UP** and **DOWN** paddles and the button **R** after the display shows that the gear has been engaged; a prolonged maneuver will cause the failure warning light to illuminate (see page 156 “Generic failure”) and trigger the buzzer.

To prevent the battery from discharging, do not operate the system with the engine off.

Also avoid unnecessary gearshifting when the engine is off, in order to prevent the system pump from overheating.



Important note



If the engine compartment lid is open or not properly closed, none of the gears can be engaged. When the vehicle is stationary, with the driver-side door open or not properly closed and the brake pedal released, the system disengages the gear engaged after approximately two seconds.

Starting the engine

- Make sure that the electric parking brake is applied and that the doors are closed.
- Hold the brake pedal down when starting the engine.

Warning



Do not press the accelerator pedal.

- Turn the ignition key to position **II** and wait for the “**Check**” symbol to appear on the TFT display.
- If the “**Check**” symbol does not appear, turn the key back to position **0**, wait a few seconds and repeat the procedure.
- The vehicle is always in “Auto easy exit” mode, unless it was turned off with the gearbox in “Auto” mode.

- Press the **ENGINE START** button (see page 160) and release it as soon as the engine starts.
- After the engine has started, the “**Check OK**” symbol will be displayed.

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

If the engine does not start, turn the key back to position **0** and wait for the gear display to go off before retrying.

Warning



Hold the brake pedal down while starting the engine.

If the engine fails to start after several attempts, check for one of the following causes:

- insufficient speed of the starter motor (dead battery)
- faulty ignition device
- faulty electrical contacts
- fuel pump fuses blown.

Warming up the engine

Do not run the engine at high speeds until the engine oil temperature has reached at least 149-158 °F (65-70 °C), approximately.

Starting the vehicle

With the engine started, the vehicle stationary and the brake pedal pushed, pull the right-hand “UP” paddle towards the steering wheel to engage the 1st gear.

Release the brake pedal and press the accelerator to start off.

With the engine running and the vehicle stationary, you can change directly from 1st or 2nd gear to “R” (reverse) by pressing **R** and from reverse to 1st by moving the “UP” paddle.

Warning



If the “UP” and “DOWN” paddles are not working, the message “Depress brake pedal and press PS to engage gear” will appear on the TFT display. You can therefore engage the gear by pressing the Performance Start button (see page 180) and the brake pedal. In these cases, the Performance Start function is not available. If the engaged gear was **R**, the Performance Start button must be pressed twice to engage 1st gear.

Important note



When the reverse gear is engaged, an acoustic safety signal beeps intermittently for the entire time that **R** remains engaged.

If the system automatically selects 2nd gear when attempting to shift from **R** to 1st gear, this indicates that 1st gear has jammed. Therefore, this is not a malfunction, as it falls within the system operation logic. For the same reason, when shifting from 1st gear to “R”, the system will automatically engage “N” if the gear has jammed.

During prolonged stops with the engine running, it is advisable to keep the gearbox in “N”.

Important note



On downhill roads, if you allow the vehicle to move forward in “N”, when “UP” is requested, the system will engage a gear in relation to the vehicle speed.

UP-shifting

Operate the right-hand **UP** paddle without releasing the accelerator pedal.

An **UP**-shift request is not accepted when engagement of the requested gear will force the engine to underrev or if an **UP**-shift is already in progress due to engine overrevving.

For further information, see page 162.

DOWN-shifting

Use the left-hand **DOWN** paddle, even without releasing the accelerator pedal.

A **DOWN**-shift request is not accepted if engagement of the requested gear forces the engine beyond a certain RPM, depending on the gear requested, or if a **DOWN**-shift is already in progress due to engine underrevving.

For further information, see page 162.

“N” (Neutral) request

If necessary, “N” can be requested at any speed.

Subsequently, if an **UP** or **DOWN** shift is requested, the system will engage the gear most suited to the speed of the vehicle.

Stopping the vehicle

When the vehicle stops, the system automatically engages 1st gear (unless “N” has already been requested).

When the vehicle is stationary and the engine is running, hold the brake pedal down until ready to move again.

Turning off the engine and deactivating the system

The engine can be turned off either with the gearbox in “N” or with a gear engaged.

After turning the ignition key from position **II** to position **0**, the display will remain on for a few more seconds to display the engaged gear. If the gearbox is in “N”, a buzzer will sound.

Warning



Never leave the vehicle with the gearbox in “N”. Make sure that the letter “P” appears on the display.

For further information, see page 172.

1. General

2. Quick reference guide

3. Safety

4. About your vehicle

5. Advice for Emergency Situations

6. Care of the vehicle

7. Glossary

8. Table of Contents



FERRARI has designed and built a high performance vehicle.

In order to take advantage of the safety systems described below, it is essential to comply with the indicated regulations.

Special warnings

This vehicle has been designed to comply with homologation, Federal Motor Vehicle Safety Standards, and environmental regulations.

The careful and cautious behavior of the driver is also of utmost importance.

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 vehicle 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 of the vehicle such as belts, fans, etc. They must always be adequately protected. Do not remove the guards or operate on the moving parts without taking due precautions.
- Installations under pressure such as braking system, air-conditioning system, cooling system and lubrication system may create pressures inside them. Do not perform any operation which may cause gas or liquids to spill out with the risk of injury to persons and damage to property.

Emissions

Warning



- 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 monoxide and other toxic gases.
- Fuel is highly flammable and emits vapors which may be noxious if inhaled.
Do not use open flames or create sparks near the open fuel tank or in any other condition where fuel comes into contact with air.

Lubricants

Warning



- The oils used may also be flammable: take the same precautions as adopted for the fuel.

Flammable fluids

Warning



- The fluid in the battery is poisonous and corrosive. Do not let it spill out and come into contact with the skin, eyes or objects.
Do not use open flames or create sparks near the battery.

Warning



Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm.

In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Warning



Seat belts must be worn at all times and must be properly fastened and adjusted!

Correct use of the seat belts may help reduce the risk and severity of injury if an accident occurs or if the vehicle overturns.

Warning



To help ensure an effective restraining action, the seat belt must be fastened correctly with the seat backrest in the upright position.

The seat belt is fastened correctly when the upper part of the belt crosses the center of the shoulder (not the neck) and the abdominal section is fitted over the hips (not the stomach).

Make sure it is not twisted and that it passes closely over your body; if not, in the event of a head-on collision, it may move and cause injury to the abdomen.

Avoid wearing bulky clothing that may interfere with the proper operation of the seat belts.

Warning



To help increase driving safety, it is advisable to position the headrest so that its top is in line with the top of your head.

Warning



Each seat belt has been designed to protect only one occupant. If more than one person uses the same seat belt, the risk of injury in the event of an accident is increased.

Do not place babies, small children or other persons on your lap.

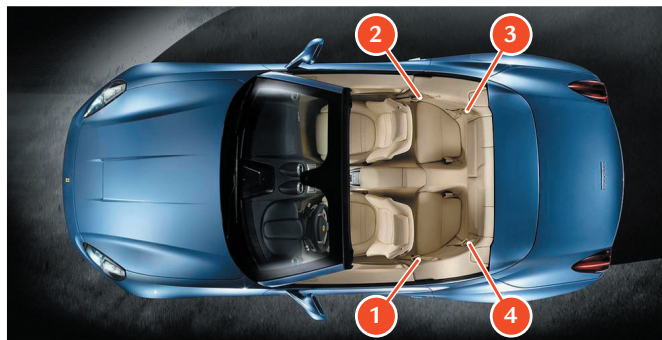
If there is a collision, the weight of an adult may cause the child to be crushed by the seat belt, causing severe or even fatal injuries.

Passive safety

The passive safety system has been designed to reduce the risk and severity of injury if an accident occurs.

The vehicle is equipped the following seat belts:

1. 3-point driver's seat belt with pretensioner and load limiting device (see page 64)
 2. 3-point front passenger seat belt with pretensioner and load limiting device (see page 64)
- and, only when rear seats are provided:
3. 3-point rear left passenger seat belt with load limiting device (see page 67)
 4. 3-point rear right passenger seat belt with load limiting device (see page 67)



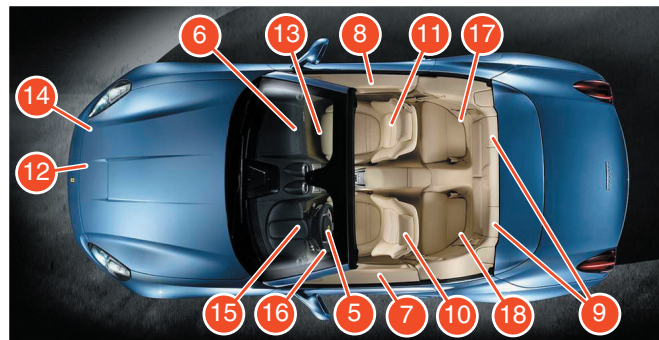
Warning



The additional safety systems are not a substitute for the seat belts. All occupants must always wear a seat belt. Correct use of the seat belts combined with use of the additional safety systems help provide protection to the occupants in various types of collisions.

The vehicle also has the following additional occupant protection system components (see also page 80 “Additional occupant protection systems”):

5. front driver's airbag (for operating functions see page 83)
6. front passenger's airbag (for operating functions see page 83)
7. driver's head protection side airbag (head bag) (for operating functions see page 92)
8. passenger's head protection side airbag (head bag) (for operating functions see page 92)



9. roll bars (for operating functions see page 94)
10. seats (see page 181)
11. passenger airbag suppression system with dedicated child seats (see page 87)
12. deformable body
13. occupant protection system ECU
14. ECU auxiliary sensors
15. instrument panel warning light (see page 82)
16. inertia switch

Only in the presence of rear seats (see also page 70 “Child safety”):

17. a child seat lower anchorage system in the seat behind the front passenger
18. a child seat lower anchorage system in the seat behind the driver

The vehicle does not have upper anchorage systems for the installation of child seats.

Warning



The protective action of the airbags must be always combined with the action of the seat belts and pretensioners. The mandatory use of the seat belt is provided by relevant state and provincial regulations.

Deformable body

The deformable body is designed to absorb shock and distribute it over the entire structure of the vehicle, allowing progressive deceleration.

The passenger compartment structure, on the other hand, has been designed to provide maximum resistance without undergoing deformation, to help ensure a protective safety cage for the occupants.

Active safety

The aim of the active safety system is to help reduce the risk of accidents and injury severity.

In addition to the features of the vehicle, handling, stability and acceleration, other elements may also be considered safety components:

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

The braking system includes the mechanical braking system and the electronic stability and traction control system (ABS and EBD) which is designed to help prevent the wheels from locking and to provide good handling and stability.

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 be able to clearly see the road and to be seen, therefore it is essential to turn on the external lights when the conditions so require.

Seat belts

Statistics show that when used correctly, the seat belts reduce the risk of injury in various types of crashes including the risk of ejection from the vehicle and impact with the interior of the vehicle. If not fastened, the seat belts do not provide any type of protection. Before every trip, always make sure that all occupants are wearing their seat belts.

Warning



Seat belts must be worn at all times and must be properly fastened and adjusted!

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



Warning



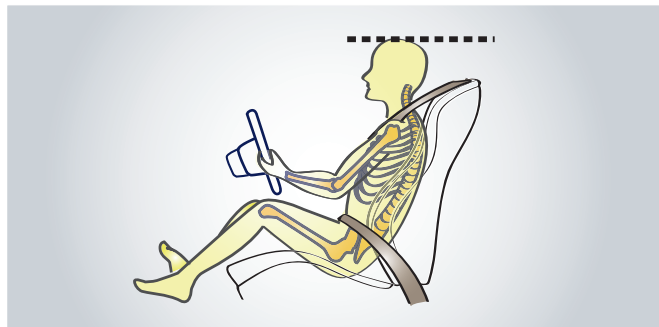
To help ensure an effective restraining action, the seat belt must be fastened correctly with the seat backrest in the upright position.

The seat belt is fastened correctly when the upper part of the belt crosses the center of the shoulder (not the neck) and the abdominal section is fitted over the hips (not the abdomen).

Make sure it is not twisted and that it passes closely over your body; if not, in the event of a head-on collision, it may move and cause injury to the abdomen.

Avoid wearing bulky clothing that may interfere with proper operation of the seat belts.

The seat belts for the front seats have a lap-shoulder belt with an automatic emergency-locking retractor and are fitted with a pyrotechnic-powered pretensioner and an automatic system which is designed to help reduce the force applied to the occupant.



The seat belts for the rear seats have a lap-shoulder belt with an automatic emergency-locking retractor and are fitted with an automatic system that is designed to help reduce the force applied to the occupant.

Warning



To help increase driving safety, it is advisable to position the headrest so that its top is in line with the top of your head.

Warning



Do not let the seat belts come into contact with cutting edges. They may get damaged and may consequently tear in the event of a collision.

Warning



Each seat belt has been designed to protect only one occupant. If more than one person uses the same seat belt, the risk of injury in the event of an accident is increased.

The seat belt must never be passed around a baby, child or other person sitting on a passenger's lap.

Do not sit babies, small children or other persons on your lap.

If there is a collision, the weight of an adult may cause the child to be crushed by the seat belt, causing severe or even fatal injuries.

Warning



Do not attach or pin anything onto the seat belts: they may get damaged and may consequently break in the event of a collision.

Warning



If a seat belt has come into contact with cutting edges or was somehow perforated or torn, we recommend that you have it immediately replaced by your AUTHORIZED FERRARI DEALER.

Warning



Periodically check the condition of the seat belts. If the belt shows signs of wear, it must be checked by a qualified person and replaced if necessary. Contact your AUTHORIZED FERRARI DEALER immediately.

How to fasten seat belts

Warning



To help ensure an effective restraining action, the seat belt must be fastened correctly with the seat backrest in the upright position.

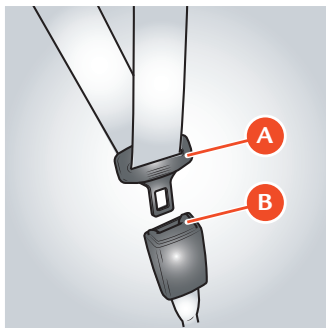
The seat belt is fastened correctly when the upper part of the belt crosses the center of the shoulder (not the neck) and the abdominal section is fitted over the hips (not the abdomen).

Make sure it is not twisted and that it passes closely over your body; if not, in the event of a head-on collision, it may move and cause injury to the abdomen.

Avoid wearing bulky clothing that may interfere with proper operation of the seat belts.

Once you have adjusted the seat correctly (see page 181):

- Grip the latch plate **A**, slowly pull the belt and insert the latch plate 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: hold the belt and pull it to check that the latch plate has been inserted correctly.
- Position the seat belt correctly.

Warning

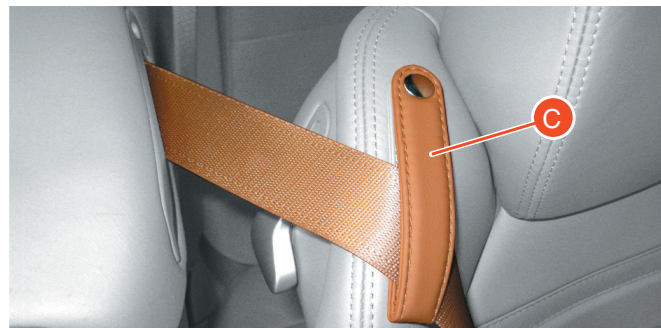


To position the front seat belt correctly, make sure that it passes through the loop **C**, as shown in the figure.

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

55 seconds after exceeding a speed of 6 mph (10km/h), a buzzer sounds warning the driver that the seat belt is not fastened.

When a speed of 12,5 mph (20 km/h) 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. It is repeated (when the vehicle speed is in the indicated ranges) only if the seat belt is fastened and unfastened again every time the engine is turned off and then on.

Warning



Each seat belt has been designed to protect only one occupant. If more than one person uses the same seat belt, the risk of injury in the event of an accident is increased.

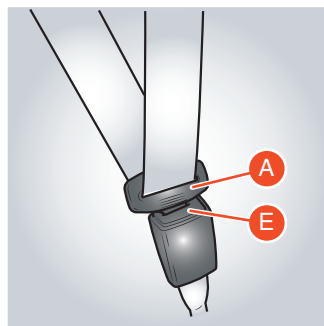
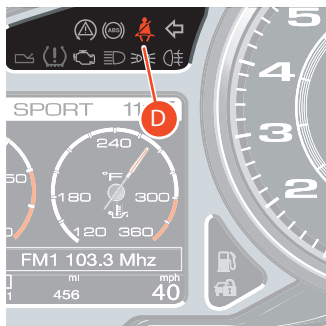
The seat belt must never be passed around a baby, child or other person sitting on a passenger's lap.

Do not sit babies, small children or other persons on your lap.

If there is a collision, the weight of an adult may cause the child to be crushed by the seat belt causing severe or even fatal injuries.

Unfastening the seat belts

- Push the release button **E**.
- Guide the latch plate **A** back to its rest position.



Use of the rear seat belts (valid only on vehicles with rear seats)

Warning



Only persons who are **less than 59 in. (1.50 m) tall** may travel in the rear seats.

The minimum distance between the head of the rear passenger when seated correctly and the rear window must be at least 0.98 in. (2.5 cm).

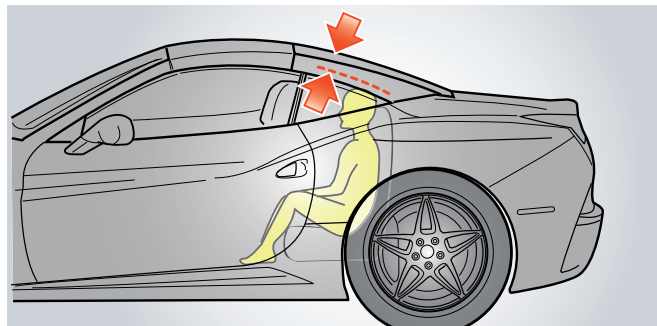
Any taller person traveling in the rear seat risks serious injury in the event of an accident.

Any taller person traveling in the rear seat risks serious injury if the retractable hard top is opened or closed.

Warning



The retractable hard top **MUST** only be operated when no persons and/or children are occupying the rear seats.

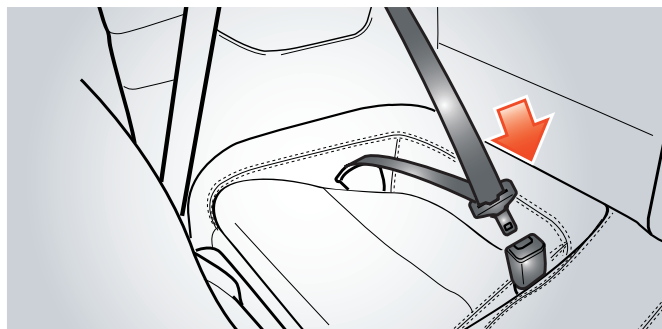


The rear seat belts must be fastened as shown in the figure below.

Warning



Remember that, in the event of a violent impact, passengers in the rear seats who are not wearing their seat belts are not only subject to personal injuries (they can be projected forward, hit the windshield and be thrown out of the vehicle) but also constitute a danger for the passengers in the front seats.



Pretensioners

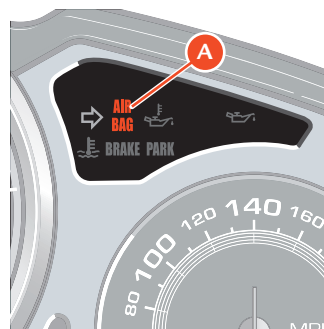
The seat belts for the front seats are fitted with pyrotechnic-powered pretensioners. The pretensioner is designed to be activated by the airbag ECU in the event of certain head-on collision of sufficient severity, or in a side collision of sufficient severity. The pretensioner is also activated when there is a sufficiently severe rear collision or a roll-over (see page 64). The seat belt will rewind a small amount just before the restraining action begins, thereby improving the fitting across the occupant's body.

Activation of a pretensioner is signaled by the illumination of the warning light **A** on the instrument panel.

Warning



Pretensioners that have been activated will no longer function and may not be repaired under any circumstances. Contact your **AUTHORIZED FERRARI DEALER** for replacement.



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

Warning



Activation of the pretensioners only depends on the status of the seat belts and is not affected by the occupants' presence. Always wear your seat belt!

If the seat belt is not fastened, the pretensioner will not activate, even if the seat is occupied.

The seat belts for the front seats and any rear seats are fitted with a load limiting device. The load limiting device is located in the seat belt retractor and allows controlled release of the seat belt during a collision, thereby helping to reduce the impact that the belt has on the occupant's body.

Maintenance of the seat belts and pretensioners

- Following a serious collision, replace the seat belts that were worn at the time even if they do not appear to be damaged.
- Periodically check that the screws on the anchoring points are tight and that the seat belt is in proper condition and slides smoothly.
- The belt must be kept clean; the presence of any dirt could jeopardize the efficiency of the seat belt retractor.
- 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 fibers.

Make sure the retractors do not get wet: proper functioning is ensured only if they are kept dry.

- If immersed in water or mud, pretensioners must be replaced.
- The pretensioners require no maintenance or lubrication.
- Pretensioners must be replaced at regular intervals as indicated in the "Warranty Book".

Important note



All work on any part of this safety system must be performed by an AUTHORIZED FERRARI DEALER.

Warning



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

Maintenance work involving strong impacts, vibrations or heating of the pretensioner area may activate them; vibrations caused by road bumps will not have this effect.

Child safety

Warning



Established legislation in some countries already provides that children under 12 years of age may not travel in the front passenger seat.

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

All minors whose physical characteristics (i.e., age, height, weight) fall within the legal limits in force in each country/state/province must be protected by approved restraint or safety systems (e.g., child seats).

You are advised to always use approved child restraint systems bearing the proper markings.

Warning



Never leave children **ALONE** and/or unattended in the vehicle since this may constitute a danger to themselves and others.

Warning



This is an extreme sports vehicle. Do not use the vehicle to transport infants, since sudden acceleration may cause injury.

Warning



Drive slowly and pay maximum care and attention when transporting children. Sudden acceleration caused by sports-style driving may be dangerous for children even if no collision occurs.

Warning



The instructions in this Owner's Manual **ONLY** apply to the **Standard** seat shown in the figure.

They do not apply to the **Optional** Racing seat.

STANDARD



2-seater version

Warning



Do not transport children in rearward facing child restraint systems on the front passenger seat.

Although the front passenger airbag has been designed and developed not to cause injury, it should be stressed that the muscle and bone structure of children is not fully developed and therefore vulnerable; the risk of very severe or even fatal injury caused by activation of the airbag cannot therefore be excluded.

Warning



If you **absolutely** must carry a child on the front passenger seat in a rearward facing child restraint system (e.g., in an emergency situation), the front passenger seat must be positioned as far back as possible with the sides of the seat as far open as possible and the lumbar support adjustment as low as possible. The seat must also be adjusted to the lowest position to enable the child restraint system to be correctly installed.

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

All minors whose physical characteristics (i.e., height, weight) fall within the legal limits in force in each country must be protected by approved restraint or safety systems (e.g., child seats, cradles, cushions).

You are therefore advised to **ALWAYS** use certified child restraint systems that bear the proper approval marking and check they comply with Federal Motor Vehicle Safety Standard 213.

Warning



Incorrect fastening of a child restraint system increases the risk of injury to the child if an accident occurs.

- The seat belts in the vehicle have been designed and tested to protect persons weighing at least 79 lb (36 kg) and taller than 59 in. (1.50 m).
- To properly protect children outside these limits, specific restraint systems with dedicated belts or accessories capable of adapting the child's position to the vehicle seat belts must be fitted.

Warning



For installation and use (how to secure the child to the restraint system) of child restraint systems, follow the instructions that the manufacturer of the devices is obliged to provide.

Warning



Carefully follow the instructions provided with the child seat: keep them in the vehicle together with the documents and this manual. Do not use second-hand child seats with no instructions.

Warning



Follow the instructions given by the child restraint system manufacturer when choosing, installing and using the restraint system, since failure to do so may compromise its protective action.

Warning



Always check the seat belts have been securely fastened by pulling on the seat belt.

Warning



After an accident, have all the parts of the child restraint system and vehicle seat belt system checked and replace them if necessary.

Any work must be performed by an **AUTHORIZED FERRARI DEALER**.

Warning



Children must never travel seated on a passenger's lap. A child weighs very little until a collision occurs! In a collision, a child becomes so heavy that it would be impossible to hold onto him/her. For example, in the event of a collision at only 25 mph (40 km/h), a child weighing 12 lb. (5.5 kg) exerts a force equal to 240 lb. (110 kg) on the arms of the person carrying him/her. Children must always be protected by a suitable restraining system.

Children must always be transported in restraint systems that are suitable for their size.

Before choosing a child restraint system, always check that:

- it is certified. Child seats certified according to Federal Motor Vehicle Safety Standard 213
- it is suitable for the height and weight of the child to be transported (**CAREFULLY FOLLOW** the instructions in the child restraint system use and maintenance manual)

- it can be securely installed in the vehicle in compliance with the child restraint system manufacturer's instructions
- the use and installation instructions are easy to understand.

Warning



If violent braking or a collision occurs, children who are not in a restraint system can be thrown against the dashboard or the windshield: this may lead to serious or even fatal injury to the child.

Warning



In the event of an accident, an improperly fastened child restraining system can increase the risk of injury.

Warning



Never allow children to travel sitting in the lap of an adult. If there is a collision, the adult's weight may crush the child against the seat belt or the dashboard: this may lead to serious or even fatal injury to the child.

Important note



NO modifications must be made to the seat belts and child restraint systems: any modifications may seriously jeopardize the safety of the child restraint system.

Warning



If the front passenger airbag is not disabled by using BabySmart™ child restraint system, rearward-facing child seats must not be used on the front passenger seat as the airbag could cause serious injuries during deployment, even in minor collisions.

Warning



An incorrectly installed child seat cannot protect the child as intended in the event of an accident, hard braking or sudden change of direction and can lead to serious injuries to the child.

Warning



Never place objects such as pillows or cushions underneath the child restraint. The entire base of the child restraint must always be directly resting on the seat surface.

The front passenger seat does not have special hooks for child restraint systems.

To transport a child, use the seat belts to secure the child restraint system to the vehicle seat and make sure you have activated the automatic seat belt winding locking system before installing the child seat in the vehicle.

To activate the automatic seat belt winding locking system, pull the seat belt until the belt completely unwinds. At this point, the belt retractor will only allow the seat belt to rewind.

The fact that the seat belt cannot be pulled out confirms that the seat belt locking system has been activated.

To deactivate the locking system, unfasten the seat belt in order to allow it to rewind completely.

Warning



Each time the seat belt is used to fasten a normal occupant, the automatic seat belt winding locking system will have to be deactivated.

Warning



Always remember to deactivate the seat belt locking mechanism when removing the child seat. Having the retractor locked can be dangerous when the seat belt is used for directly restraining a passenger.

Warning



Protect the child restraint from intense sunlight by covering it (e.g., with a light blanket or cloth). The plastic parts of the child seat can become hot when exposed to sunlight and can burn your child if he/she comes in contact with them.

Warning



In countries where it is already a legal requirement, children under 12 years of age may not travel in the front passenger seat. **ALWAYS COMPLY** with the legal requirements in force in your own country.

2 + 2-seater version

Warning



Do not transport children in rearward facing child restraint systems on the front passenger seat.

Although the front passenger airbag has been designed and developed not to cause injury, it should be stressed that the muscle and bone structure of children is not fully developed and therefore vulnerable; the risk of very severe or even fatal injury caused by activation of the airbag cannot therefore be excluded.

Warning



If you **absolutely** must carry a child on the front passenger seat in a rearward facing child restraint system (e. g., in an emergency situation), the front passenger seat must be positioned as far back as possible with the sides of the seat as far open as possible and the lumbar support adjustment as low as possible. The seat must also be adjusted to the lowest position to enable the child restraint system to be correctly installed.

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

All minors whose physical characteristics (i.e., height, weight) fall within the legal limits in force in each country must be protected by approved restraint or safety systems (e.g., child seats, cradles, cushions).

You are therefore advised to **ALWAYS** use certified child restraint systems that bear the proper approval marking and check they comply with Federal Motor Vehicle Safety Standard 213.

Warning



Incorrect fastening of a child restraint system increases the risk of injury to the child if an accident occurs.

- The seat belts in the vehicle have been designed and tested to protect persons weighing at least 79 lb. (36 Kg) and taller than 59 in. (1.50 m).
- To properly protect children outside these limits, specific restraint systems with dedicated belts or accessories capable of adapting the child's position to the vehicle seat belts must be fitted.

Warning



For installation and use (how to secure the child to the restraint system) of child restraint systems, follow the instructions that the manufacturer of the devices is obliged to provide.

Warning



Carefully follow the instructions provided with the child seat: keep them in the vehicle together with the documents and this manual. Do not use second-hand child seats with no instructions.

Warning



Follow the instructions given by the child restraint system manufacturer when choosing, installing and using the restraint system, since failure to do so may compromise its protective action.

Warning



Always check the seat belt have been securely fastened by pulling on the seat belt.

Warning



After an accident, have all the parts of the child restraint system and vehicle seat belt system checked and replace them if necessary. Any work must be performed at the AUTHORIZED FERRARI DEALER.

Warning



Children must never travel seated on a passenger's lap. A child weighs very little until a collision occurs! In a collision, a child becomes so heavy that it would be impossible to hold onto him/her. For example, in the event of a collision at only 25 mph (40 km/h), a child weighing 12 lb. (5.5 kg) exerts a force equal to 240 lb. (110 kg) on the arms of the person carrying him/her. Children must always be protected by a suitable restraining system.

Children must always be transported in restraint systems that are suitable for their size.

Before choosing a child restraint system, always check that:

- it is homologated. Child seats certified according to Federal Motor Vehicle Safety Standard 213
- it is suitable for the height and weight of the child to be transported (CAREFULLY FOLLOW the instructions in the child restraint system use and maintenance manual)
- it can be securely installed in the vehicle in compliance with the child restraint system manufacturer's instructions
- the use and installation instructions are easy to understand.

Warning



If violent braking or a collision occurs, children who are not in a restraint system can be thrown against the dashboard or the windscreen: this may lead to serious or even fatal injury to the child.

Warning



In the event of an accident, an improperly fastened child restraining system can increase the risk of injury.

Warning



Never allow children to travel sitting in the lap of an adult. If there is a collision, the adult's weight may crush the child against the seat belt or the dashboard: this may lead to serious or even fatal injury to the child.

Important note



NO modifications must be made to the seat belts and child restraint systems: any modifications may seriously jeopardize the safety of the child restraint system.

Warning



In countries where it is already a legal requirement, children under 12 years of age may not travel in the front passenger seat. ALWAYS COMPLY with the legal requirements in force in your own country.

Warning



The child restraint system must be installed with the retractable hard top closed (vehicle in coupé configuration).

Warning



If an adjustable child restraint system is installed, the restraint system must be adjusted with the retractable hard top closed (vehicle in coupé configuration) in accordance with the instructions provided by the manufacturer of the child restraint system.

There must be a minimum distance of at least 0.98 in. (2.5 cm) between the child restraint system and the rear window.

Warning



Before operating the retractable hard top, ensure that there is no interference between the retractable hard top and the child restraint system.

Warning



The retractable hard top **MUST** only be operated when no persons and/or children are occupying the rear seats.

Warning



Before operating the retractable hard top, make sure that the backrest of the child seat is set to its minimum height.

The vehicle has been designed for a LATCH (**LATCH** = Lower Anchors and Tethers for **C**hildren) type child seat to be fitted on the rear seat (only in the presence of the rear seats).

The vehicle is **not** equipped with top tether anchorages.

Important note



For child restraint systems that can be installed on the 2 +2-seater version with 3-point seat belts and LATCH, see **TAB 1. e** **TAB 2.** page 112.

Child seat anchorage

The rear seats of the vehicle have a LATCH lower anchorage system (2 for each rear seat) (marked **A** in the diagram) that is placed under the special leather cover.

The vehicle is **not** equipped with top tether anchorages.

Warning

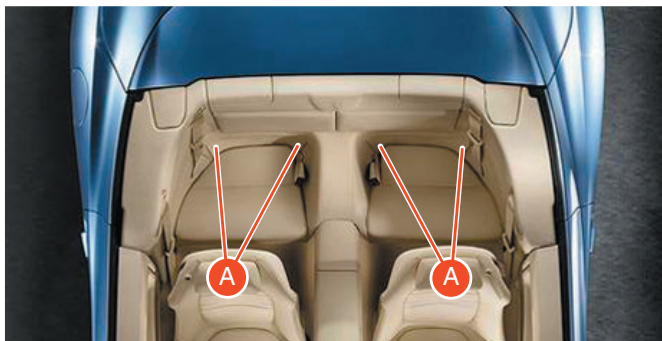
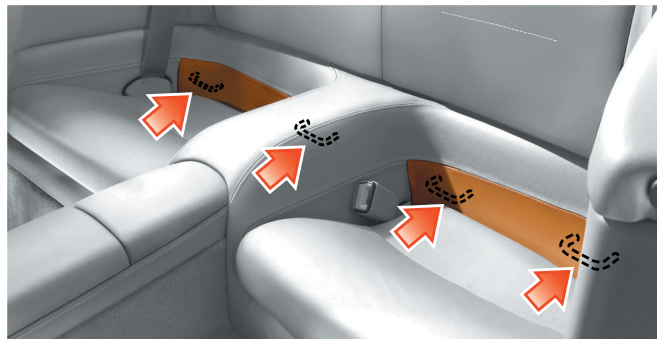


Before installing a child restraint system on the rear seats, the corresponding front seat must first be positioned as far forward as possible, with the backrest as upright as possible.

Warning



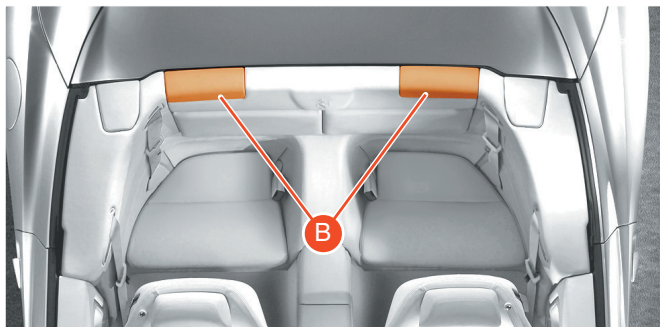
If violent braking or a collision occurs, children who are not traveling in a restraint system can be thrown against the dashboard, windshield or front seats: this may lead to serious or even fatal injury to the child.



Warning



The roll bar covers B, indicated in the figure, are NOT intended as upper anchorage points and must NOT be used as such. Do NOT attempt to open the roll bar covers.



Warning



Never allow children to travel sitting in the lap of an adult. If there is a collision, the adult's weight may crush the child against the seat belt, the dashboard or the back of the front seat: this may lead to serious or even fatal injury to the child.

Use of the LATCH system is designed to enhance the restraining action of the child seat and is recommended. Not all type of child seats can use the LATCH system. Please check your child seat manual for instructions on how to install the child seat in the vehicle, and strictly follow these instructions.

The presence of the LATCH system does not preclude the use of vehicle seat belts to secure the child seat. If it is not possible to install your child seat with the LATCH system, you can install it using the vehicle seat belts.

You can be certain you have installed your child safety or booster seat correctly by having it checked at a child safety seat inspection station or by a certified child safety technician. To find one near you, visit <http://www.nhtsa.dot.gov/CPS/CPSfitting> or www.seatcheck.org. You can also call 1-888-DASH-2-DOT or 1-866-SEATCHECK.

Important note



For child restraint systems that can be installed on the 2 +2-seater version with 3-point seat belts and LATCH, see **TAB 1. e** **TAB 2.** page 112.

Additional Occupant Protection Systems

Warning

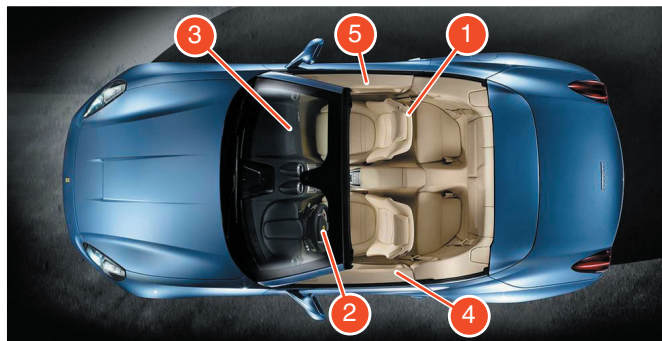


The Additional Occupant Protection Systems are not a substitute for the seat belts but help increase their efficiency. Correct use of the seat belts with the supplementary action of the Additional Occupant Protection Systems, provides increased protection in the event of a head-on collision or vehicle roll-over.

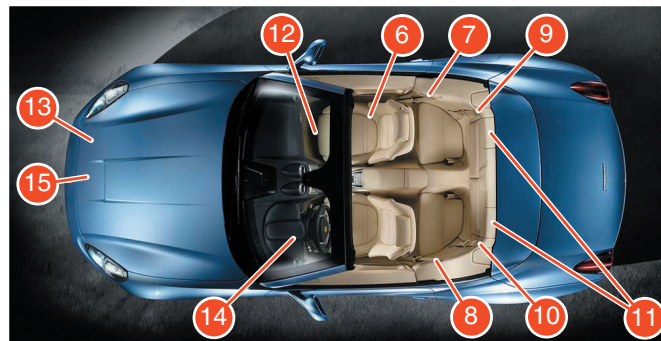
Additional Occupant Protection System components

The Additional Occupant Protection System components are:

1. Seat with built-in headrest and belt loop
2. Dual-stage front driver's airbag
3. Dual-stage front passenger's airbag
4. Driver's head protection side airbag (head bag)
5. Passenger's head protection side airbag (head bag)



6. Passenger's airbag suppression system with BabySmart™ child restraint system (see page 87)
7. Driver's seat belt (3-point with pretensioner and an automatic system designed to reduce the force applied to the occupant)
8. Front passenger seat belt (3-point with pretensioner and an automatic system designed to reduce the force applied to the occupant)
9. Rear seat passenger seat belt (3-point with automatic system designed to reduce the force applied to the occupant) (only when rear seats are provided)
10. Rear seat passenger seat belt (3-point with automatic system designed to reduce the force applied to the occupant) (only when rear seats are provided)
11. Roll bars
12. Electronic Control Unit (ECU)
13. Additional sensors
14. Instrument panel warning light
15. Deformable body.



The airbags **2** and **3** have been designed to increase the level of protection given by the seat belts in the event of certain head-on collisions of sufficient force (see page 82).

The airbags **4** and **5** have been designed to increase the level of protection given by the seat belts in the event of certain side collisions of sufficient force and are placed between the occupant's head and external structures which could go through the passenger compartment and cause injury (see page 92).

The roll bars **11** have been designed to help provide protection in the event of a roll-over (see pages 94-96).

Since it is impossible to gauge vehicle dynamics and movements of the occupants in an accident, the active roll bars are designed to activate also as a precautionary measure in the event of any impact of sufficient force.

Warning



The warning light **A** illuminates when the ignition key is turned to position **II**. If no malfunctions are detected, it turns off after approximately 4 seconds. If the warning light does not illuminate, if it remains on or if it illuminates while driving, contact the **AUTHORIZED FERRARI DEALER** immediately.

Driver and passenger airbags

Warning

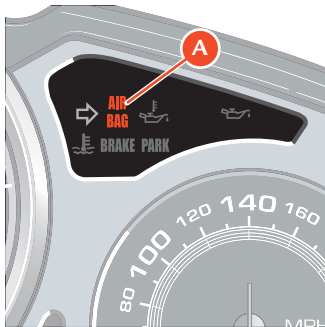


The front airbags do not provide protection in the event of rear-end or side collisions, some head-on/angular collisions, roll-overs or subsequent collisions (if there is a second collision once the airbags have been deployed in an earlier collision). The seat belts have been designed to help reduce the risk of injury in the event of a roll-over or subsequent collision.

Warning



The front airbags have been designed not to deploy if a minor collision occurs. The seat belts have been designed to help reduce the risk of injury if a minor collision occurs.



Warning



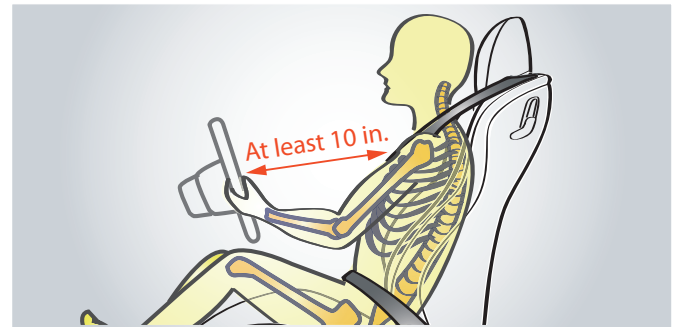
The driver and the passenger must maintain a distance of at least 10 in. (25 cm) from the steering wheel and the dashboard. Always drive with your hands on the rim of the steering wheel so that in the event of activation, the airbag can deploy without obstruction.

Driving with your hands on the steering wheel spokes or on the airbag cover increases the risk of injury to your wrists and arms.

Warning



The front passenger must be seated correctly: never put your hands, feet or legs on the dashboard since if the front airbag is activated, it may cause injury to your legs and prevent the airbag from working properly.



Operation

The front airbags are controlled by an ECU which activates them in the event of certain head-on collisions of sufficient severity.

In the case of a collision with an impact force that causes deceleration exceeding the value set for the internal sensor, the ECU is designed to transmit a signal to deploy the airbags. The airbags are designed to inflate, breaking the cover along the breakage line and is designed to deploy completely in a few hundredths of seconds. Once deployed, they will serve as protection between the driver and/or passenger and structures that could cause injury.

The airbags are designed to deflate immediately afterwards.

Important note



If a head-on collision occurs that causes a cut-out of the fuel supply, the roll bars are designed to activate as a precautionary measure.

Warning



The driver and passenger should not carry objects (e.g., drink cans or bottles, pipes, etc.) that may cause injury if the airbags are activated.

Persons, animals or items must not be placed between the airbags and the occupant.

Environment



When the system is activated, gases are released in the form of smoke, together with the gas used for inflating the airbags. These gases are not harmful.

The driver's airbag has been designed to be deployed according to the following strategy:

- For low severity crashes, the airbag control unit will not deploy the airbag.
- For crashes of higher severity, the control unit will deploy the driver airbag in low energy mode.
- For crashes of even higher severity, the control unit will deploy the driver airbag in high energy mode.

The passenger airbag has been designed to be deployed according to the following strategy:

- For low severity crashes, the airbag control unit will not deploy the airbag.
- For crashes of higher severity, the control unit will deploy the passenger airbag in low energy mode.
- For crashes of even higher severity, the control unit will deploy the passenger airbag in high energy mode.

Warning



Children must always be transported on the rear seats if the vehicle is equipped with them.

Warning



The driver and passenger should always fasten their seat belts and sit in an upright position, as far as possible away from the airbag.

Warning



Always keep the backrest of your seat in the upright position and sit with your back properly resting against it.

Important note



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



With the ignition key inserted and in position **II**, although the engine is off, the airbags can still be activated when the vehicle is stationary if it is hit by a moving vehicle.

Remember that if the ignition key is set to **0**, none of the safety devices (airbags or pretensioners) are activated in the event of a collision; failure of the airbags to deploy in these circumstances is not indicative of a system malfunction.

Important note



Do not cut or tamper with the connectors of the airbag harness or on the airbag modules.

Warning



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.

Warning



In the event that the airbags are deployed, objects placed above or near the top of the dashboard and the steering wheel would be projected into the passenger compartment at a high speed that would seriously jeopardize the safety of the occupants.

Do not place objects above or near the top of the dashboard and the steering wheel.

Warning



The airbag modules are subject to wear and tear and must be replaced at the intervals indicated in the “Warranty Book” even if the vehicle has NOT been involved in a collision.

Warning



Do not modify the airbag modules (see figure on the previous page) in any way. Do not damage the airbag modules (for example pinning something onto them or pressing objects against their covers).

If, for any reason, an airbag cover gets damaged, have the airbag module immediately checked by your AUTHORIZED FERRARI DEALER.

Activation of a damaged module could cause serious or fatal injuries.

Important note



Do not remove or dismantle parts of the steering wheel, dashboard or door panels. If necessary, this procedure should only be performed by an AUTHORIZED FERRARI DEALER.

Important note



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

Important note



Following an accident not involving airbag deployment, contact your AUTHORIZED FERRARI DEALER to have the system checked and any system components that may be damaged or malfunctioning replaced.

Important note



The airbag system components have been specially designed only for this specific vehicle model. Do not use them on a different vehicle model, as this may cause serious damage and consequent injury, even fatal, to the occupants in the event of an accident.

Warning



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

Improper operations performed on the system components may cause failures or accidental deployment or failure of the airbags to deploy, with consequential damage and injury, even death.

Environment



To scrap the vehicle, please contact your **AUTHORIZED FERRARI DEALER** to have the airbag system deactivated.

Important note



If the vehicle has been stolen or there has been an attempted theft, have the airbag system checked by your **AUTHORIZED FERRARI DEALER**.

Important note



The label **E** on the right-hand side of the dashboard, bears the airbag system expiration date. When this expiration date is approaching, contact your **AUTHORIZED FERRARI DEALER** in order to have the system replaced.



The label **F** indicates the presence of the airbag system.

Warning



Do not transport children in rearward facing child restraint systems on the front passenger seat unless absolutely necessary. Although the front passenger airbag has been designed and developed not to cause injury, it should be stressed that the muscle and bone structure of children is not fully developed and therefore vulnerable; the risk of very severe or even fatal injury caused by activation of the airbag cannot therefore be excluded.

Important note



Established legislation in some countries already provides that children under 12 years of age may not travel in the front passenger seat.

The label on the dashboard (see picture below), may be removed only by the customer.

Passenger airbag deactivation (2-seater and 2+2-seater version)

In this vehicle there is one way to deactivate the passenger airbag: use of dedicated **FERRARI** child seats that can be acquired at your **AUTHORIZED FERRARI DEALER**, supplied free of charge upon request, only to the original vehicle owner. For subsequent owners, a dedicated child seat is available for purchase. Always require the proper child seat, specifically designed for the size of your child.

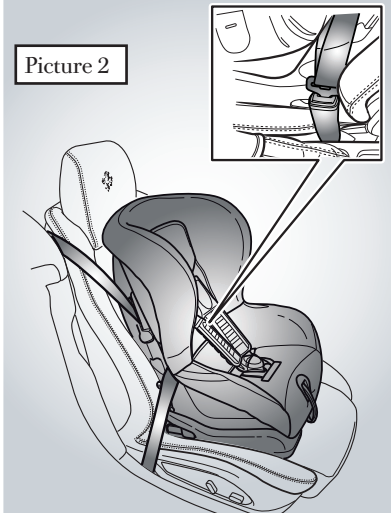
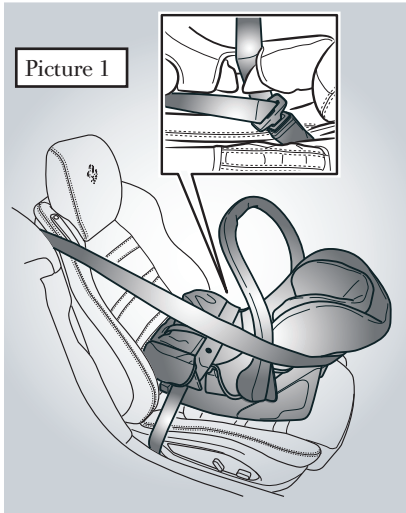
BabySmart™ system: automatic deactivation of the passenger airbag with dedicated child seats (see also page 89).


BabySmart™ is a trademark of Siemens Automotive Corp.



TAB 2- Dedicated Baby Smart™ child seat for Ferrari California (Produced by Britax-Römer)

Child height	Child weight	Child seat name	Child seat type	
31 inches (80 cm) or less	22 pounds (10 kg) or less	BABY Plus	Rearward facing: use only facing opposite the traveling direction	(See Picture 1)
Between 27 and 40 inches (69÷102 cm)	Between 20 and 40 pounds (9÷18 kg)	DUO Plus	Forward facing: use only facing in the traveling direction	(See Picture 2)
Between 38 and 60 inches (97÷152 cm)	-	KID Plus	Forward-facing: use only facing in the traveling direction	(See Picture 3)



Warning 

Anytime the Child Seat Presence and Orientation Detection (CPOD) restraint system needs to be tested, you must bring your child seat to an **AUTHORIZED FERRARI DEALER**.

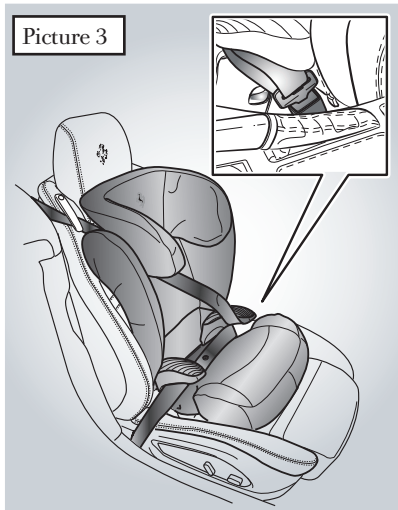
BabySmart™ system: automatic deactivation of the passenger airbag with dedicated child seats (see also page 87)

Dedicated child restraint systems are designed to operate with the BabySmart™ automatic child seat recognition system for the front passenger seat of this vehicle.

Dedicated child seats operate as any other child safety seat, except for the fact that they are designed to automatically deactivate the passenger airbag on vehicles equipped with “Baby Smart™” system.

Dedicated child seats are equipped with two transponders that are located and recognized by special transmitters built into vehicle front passenger seat.

When the dedicated child restraint is properly installed on the front passenger seat, the transponders are recognized by the transmitters and the front passenger airbag is disabled.



The “PASSENGER AIRBAG OFF” warning light must be permanently illuminated when the ignition key is in position **II** and the BabySmart™ child restraint is installed on the front passenger seat, a warning will also be temporarily viewed on the TFT display

Follow the instructions provided with the child restraint systems for proper installation. Instructions are located in a dedicated compartment on the child seat:

- BABY Plus: at foot end of the seat;
- DUO Plus: inside the pocket on the rear of the seat;
- KID Plus: at the bottom of the seat.

You can be certain you have installed your child restraint or booster seat correctly by having it checked at a child safety seat inspection station or by a certified child safety technician. To find one near you, visit <http://www.nhtsa.dot.gov/CPS/CPSfitting> or www.seatcheck.org. You can also call 1-888-DASH-2-DOT or 1-866-SEATCHECK. If the “PASSENGER AIRBAG OFF” warning light is not illuminated, the passenger airbag is enabled.



If the “PASSENGER AIRBAG OFF” warning light blinks at intervals of 6 seconds, the passenger airbag is deactivated but only one of the two transponders on the child restraint has been recognized. This means that the child seat is damaged or not properly installed. In this case, have the vehicle's BabySmart™ automatic child seat recognition system checked and the dedicated child seat replaced by your **AUTHORIZED FERRARI DEALER**.

Warning



Never drive with a child in a child restraint in the front passenger seat if the “PASSENGER AIRBAG OFF” warning light on the roof panel is not illuminated. Airbag deployment can cause serious injuries or death to a child.

Never place objects such as pillows or cushions underneath the child restraint. The entire base of the child restraint must always be directly resting on the seat surface.



Warning



Never drive with a rearward-facing child seat installed in the travel direction (i.e., the child facing the front of the vehicle). The child restraint protective function is only ensured when the child restraint is both installed and used properly. Otherwise the child is not properly secured and could be injured in the event of accident, sharp braking or sudden changes of direction.

Warning



Never drive with a forward-facing child seat installed opposite the direction of travel (i.e., the child facing the rear of the vehicle). The child restraint protective function is only ensured when the child restraint is both installed and used properly. Otherwise the child is not properly secured and could result in injury or death in the event of accident, sharp braking or sudden changes of direction.

Warning



Even if a dedicated child restraint is correctly installed in the front passenger seat, if the “PASSENGER AIRBAG OFF” warning light on the roof panel is not illuminated, the passenger airbag is enabled. Airbag deployment can cause serious injuries or death to a child. If the front passenger airbag is not disabled, do not transport children on this vehicle.

Have the BabySmart™ automatic child seat recognition system checked by an **AUTHORIZED FERRARI DEALER** if the “PASSENGER AIRBAG OFF” warning light does not illuminate when a dedicated child restraint is installed.

Warning



On vehicles with BabySmart™ system, do not place any electronic device on the front passenger seat, such as:

- Active laptops;
- Mobile phones;
- Cards with transponders, e.g., ski passes or access authorization cards.

Since the signals from electronic devices can interfere with the sensor system of the automatic child seat recognition system, they could cause the system to malfunction and result in the front passenger airbag failing to activate/deactivate.

Side Airbags

Warning



The airbags are not a substitute for the seat belts although they help increase their efficiency. Correct use of the seat belts, with the supplementary action of the side air bags, help provide protection in the event of a collision or vehicle roll-over.

Side air bags system components

Warning



The side air bags fitted on the vehicle was not designed to reduce the risk of being thrown out in the event of vehicle roll-overs.

The vehicle has 2 side air bags, one in the driver-side door and the other in the passenger-side door.



The side air bag system consists of 2 airbags, one on each door. In the event of certain side collisions of sufficient force, the airbag on the impact side is designed to deploy immediately to help protect the occupant's head.

Warning

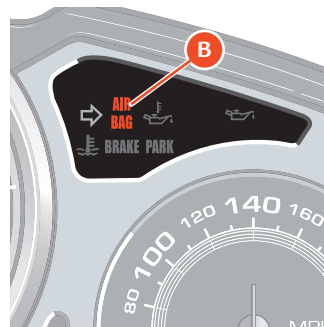


When the ignition key is turned to position **II**, the warning light **B** will illuminate. If no malfunctioning in the airbag system is detected, it will turn off after 4 seconds. If the warning light does not illuminate, if it remains permanently on or if it illuminates while driving, contact your **AUTHORIZED FERRARI DEALER** immediately.

Operation

The side air bags are controlled by the ECU designed to activate them when a sufficiently severe collision occurs.

In the event of a side collision with a force of impact exceeding the limit set by the ECU, this will transmit a signal that is designed to activate the pretensioner, the side air bag on the impact side and the roll bars.



The airbag is designed to start deploying, opening its cover along the breaking line, until it is fully deployed (in a few hundredths of seconds). After deployment, the side air bag is designed to act as a protection between the driver's or passenger's head and the external structures. The airbags are designed to deflate immediately afterwards.

Side air bag activation is not affected by the front passenger's height or weight. The side air bag is designed to activate whenever the airbag ECU detects a side impact collision of a sufficient force for deployment.

Warning



Never drive with your head out of the window as this places your head and neck in the airbag deployment area. In the event of a side collision, this position increases the risk of being thrown out of the vehicle and compromises the protective action of the side air bags.

Warning



Never place an object over or near the airbag covers.

In the event that the airbags are deployed, these objects would be projected into the passenger compartment at such high speed as to seriously jeopardize the safety of the occupants.

Warning



Never modify the airbag modules. Do not damage the airbag modules and trim panels above them by pinning something onto them or pressing objects against their covers, for example.

If, for any reason, an airbag cover gets damaged, have the airbag module immediately checked by your **AUTHORIZED FERRARI DEALER**.

Activation of a damaged module could cause serious injuries.

Important note



Please consider that the airbag ECU is not capable of automatically detecting damages involving the airbag covers.

Do not cover the upper part of the driver-door and passenger-door panels with adhesive tape or material and do not treat them in any way.

Warning



After deployment, the airbag components can no longer provide any protection; therefore, they cannot be repaired and must be replaced. After activation of a side air bag, have it replaced by your **AUTHORIZED FERRARI DEALER**.

Warning



The airbag modules are subject to wear and tear and must be replaced at the intervals indicated in the "Warranty Book" even if the vehicle has NOT been involved in a collision.

Important note



The label E on the right-hand side of the dashboard, bears the airbag system expiration date. When this expiration date is approaching, contact your AUTHORIZED FERRARI DEALER in order to have the system replaced.

Important note



Never remove the door panel. If required, this operation must be performed by your AUTHORIZED FERRARI DEALER.

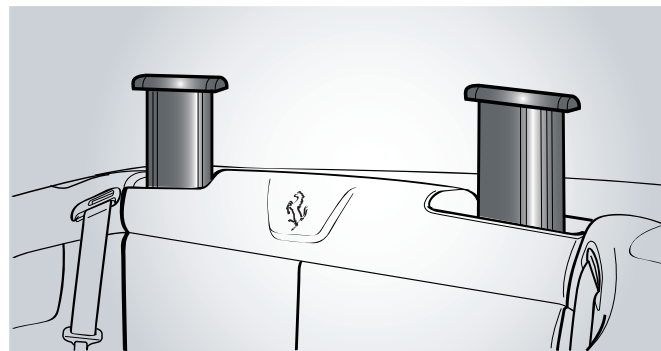


Roll bar

The roll bar has been designed to help maintain the safety cage of the occupants in the event of a vehicle roll-over.

The roll bars are controlled by the ECU, which is designed to activate them when there is a strong roll around the longitudinal axis of the vehicle and there is a risk of vehicle roll-over.

In the case of a roll that exceeds the calibration thresholds, the ECU is designed to release the roll bar locking system and deploy the roll bars in a few tenths of a second. Once deployed, the active roll bars help to maintain a safety cage together with the windshield bay (and the hard top if used).



Warning



The roll bars do not reduce the risk of ejection of any occupants who are not wearing their seat belts or the risk of injury caused by impact with the interior of the vehicle in the event of a collision or roll-over.

The seat belts must always be fastened to help reduce the risk of being thrown out of the vehicle and help reduce the risk of injury caused by impact with the interior of the vehicle.

Important note



The roll bars are designed to deploy also in the event of a sufficiently severe rear or side collision as a precautionary measure against subsequent roll-over of the vehicle.

Since it is impossible to gauge vehicle dynamics and movements of the occupants in an accident, the roll bars are designed to activate also as a precautionary measure in the event of any impact of sufficient force.

Important note



The roll bars are not deployed in the event of a roll-over around a transverse axis (**Y** axis in the figure).



Warning

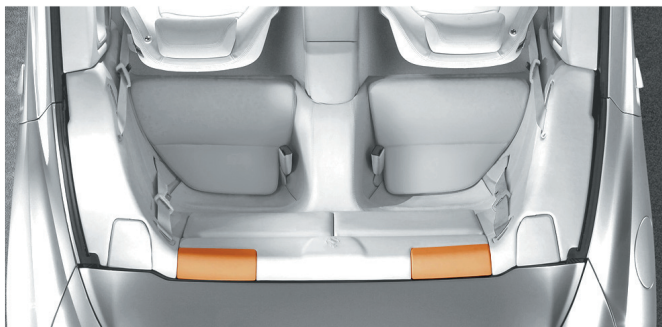


Do not travel with rear occupants resting their heads on the roll bar covers, facing rearward or seated on top of the roll bar covers, because if the roll bars are activated it could come in contact with the occupant's head and cause injury.

Warning



Never place objects over or near the roll bar covers. If the roll bar is activated, they may delay or prevent its ejection. The object could also be projected into the passenger compartment at such high speed as to seriously jeopardize the safety of the occupants.



Warning



If activated, the roll bar must be replaced. Contact your AUTHORIZED FERRARI DEALER.

Warning



The roll bar is a mechanical system powered by an ECU. The system cannot be repaired. Risk of injury if accidentally activated. All repairs must only be performed by an AUTHORIZED FERRARI DEALER.

Warning



Never modify the roll bar modules. Do not damage the roll bar module covers (for example, pinning something onto them or pressing objects against their covers). If, for any reason, a roll bar cover gets damaged, have the roll bar module immediately checked by your AUTHORIZED FERRARI DEALER. Activation of a damaged roll bar module could cause serious or fatal injuries.

Warning



The roll bar modules are subject to wear and tear and must be replaced at the intervals indicated in the "Warranty Book" even if the vehicle has NOT been involved in a collision.

Fuel inertia switch

This is a safety switch **A** located in the passenger compartment, on the floor in front of the driver's seat, which deactivates the fuel pump relays if a collision occurs.

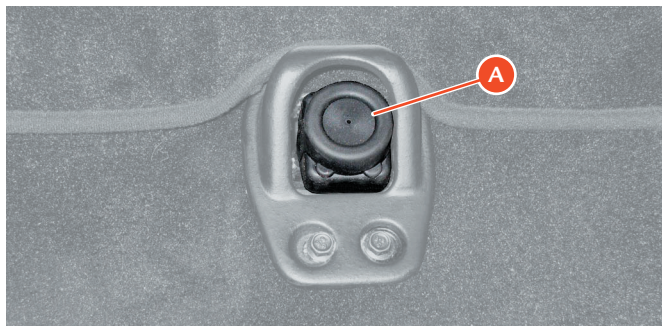
A symbol on the TFT display and the hazard warning lights illuminate to indicate that the switch has been activated.

When activated, the doors are also unlocked (if locked) and the central dome light illuminates.

Important note



The system can be reactivated by pressing the button on the top of the switch.



ABS

This is a safety device which is designed to activate to help prevent wheel locking if the driver depresses the brake pedal too sharply, especially under poor grip conditions.

The system is composed of:

- electro-hydraulic unit
- electronic brake-force distribution **EBD**
- four speed sensors on the wheels, incorporated in the bearings.
- the entire ESP sensor system (steering angle sensor, accelerometer, yaw sensor, etc.).

These features add to the vehicle standard braking system, without changing its characteristics.

Important note



When the **ABS** system is active, during emergency braking or in poor grip conditions, a “pulsing” sensation will be felt through the brake pedal. This is a normal characteristic of the ABS system. Hold the brake pedal down to continue the braking action.

The system is designed to provide the following advantages:

- Enhanced driving stability: even in the event of sharp braking approaching wheel locking.
- Improved handling.

This means that even when an emergency situation requires sudden braking, the driver can avoid obstacles, or brake on a curve, without affecting vehicle stability.

Warning



The ABS system features remain unaltered as long as the speed limit for the tire side grip is not exceeded. When this limit is exceeded, vehicle skidding cannot be avoided.

Warning



The ABS system does NOT exempt the driver from driving carefully and responsibly at all times.

Important note



The **ABS** system cannot compensate for driving at excessive speeds with respect to the traffic or road conditions, worn tires, worn braking system components or driving errors.

The **ABS** system has been designed for the sole purpose of assisting the driver in controlling braking under extreme conditions, in which he/she might otherwise cause the wheels to lock.

CST - Stability and Traction Control

The CST is composed of two main systems:

- VDC** Vehicle Dynamics Control, performed through the braking system and engine torque
- F1-Trac** traction control, performed through engine torque modulation, depending on maximum grip on the road and of secondary systems that are always active, such as the **ABS**, **EBD**, etc.

To provide optimal control in different driving and grip conditions, four different setting levels have been designed:

- **Level 1:** helps ensure stability and maximize traction on every type of road surface, both in low (Manettino set to **Comfort**) and very low grip conditions, by means of engine and brake control (in this condition, the standard **ASR** system activates instead of the **F1-Trac** function).
- **Level 2:** helps ensure stability and maximize traction only in medium- to high-grip conditions (Manettino set to **SPORT**) optimizing engine and brake control.
- **Level 3:** CST off (position **CST**). Stability is not ensured, but all the other features always present in the other settings, such as the **ABS** and **EBD**, remain active. When the brake pedal is depressed, the **VDC** system reactivates.

F1-Trac

F1-Trac is directly derived from Ferrari's expertise in F1 vehicles. This system helps optimize traction by controlling engine power delivery.

F1-Trac is faster and more accurate than the traditional control systems, and is capable of delaying and minimizing engine torque adjustments as required, in order to help ensure the desired trajectory.

The system estimates the maximum available grip in advance, by continuously monitoring the appropriate wheel speed and using an auto-adaptive operation logic. Comparing this information with the vehicle dynamics model stored in the control system, **F1-Trac** optimizes the vehicle behavior by controlling engine torque delivery.

Important note



F1-Trac does not work when the Manettino is set to CST off.

EPB - Electronic parking brake

The parking brake is controlled by a small electric motor.

It can be applied and released using the special control **A** on the dashboard, to the left of the steering wheel.

The brake is automatically activated when the engine is turned off and can be temporarily deactivated by pressing the **AUTOPARK B** button.

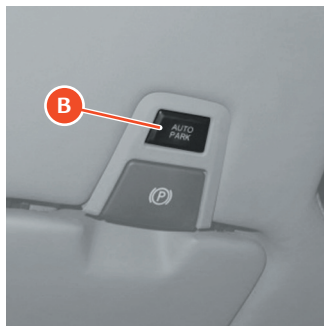
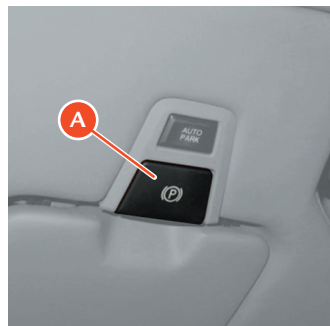
Pushing down the brake pedal and pressing button **A** deactivates it automatically.

The electric parking brake can operate as an emergency brake when the vehicle is in motion.

If this is the case, the electric parking brake communicates with the ESP system to prevent locking. The warning light will turn off when the parking brake is fully released.

Its characteristics are:

- Gradual release of brake shoes/pads when the vehicle is started (**AVH** function): this helps ensure optimal release



- Automatic activation when the engine is turned off (**AUTOHOLD** function) with the possibility of disabling automatic activation using the **AUTOPARK B** button, which is part of the EPB control.

Warning



Always apply the parking brake when the vehicle is parked.
The vehicle should be blocked. If not, please contact your
AUTHORIZED FERRARI DEALER.

TFT display warning light display priority levels

Priority level 0 (Extremely critical malfunction): is displayed for 20 seconds.

Priority level 1/Priority level 2 (Critical malfunction/Non-critical malfunction): is displayed for 20 seconds in the center of the TFT display. After 20 seconds, the symbol remains displayed in reduced size if no specific warning light is illuminated.

Tire pressure and temperature monitoring system

The vehicle is equipped with a system that measures the tire pressure and temperature using special sensors fitted inside the wheel rims, next to the air valve. These sensors send a signal that is received by antennas fixed to the body behind the gravel guards that are connected to the ECU.

Important note



The system may be momentarily affected by radioelectrical interference from devices that use similar wavelengths.

The ECU processes this information and transmits data on tire pressure and temperature and any system errors to the instrument panel via a CAN line.

The signal transmitted by the ECU activates symbols on the TFT display with two priority levels: a **soft warning** (sw) if the pressure loss compared with the nominal pressure **exceeds 2.9 psi (0.2 bar)** and a **hard warning** (hw) if it **exceeds 7.25 psi (0.5 bar)** or there is a dynamic loss of over 2.9 psi/min (0.2 bar/min).

The system can be calibrated using the special menu item in the TFT display (see page 137).

Important note



System calibration using the special menu item on the TFT display is necessary after replacement or inflation of a tire or tires.

Warning



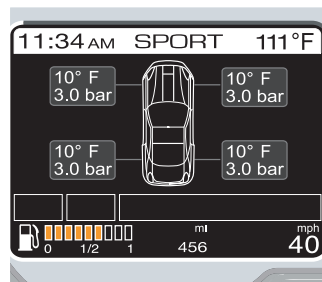
The system warns the driver that the tire pressure has decreased. However, this does not exempt the driver from periodically checking that the tires are inflated to the indicated pressure. Check your tire wear and pressure regularly.

In addition, the system does NOT warn the driver of damage to the tires by external objects (e.g., nails, stones, etc.).

Displaying messages on the “TFT” display

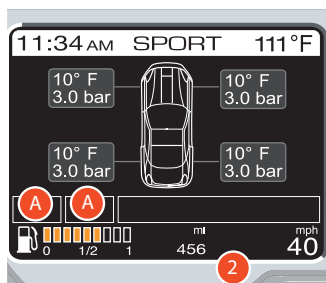
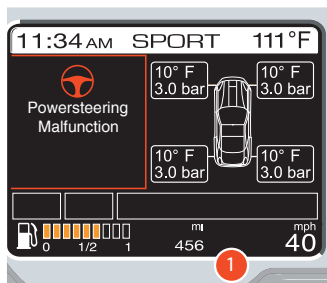
By pressing the **DISP** button, the driver can access the **TIRE** screen page that shows the pressure and temperature values of each tire, as in the following example 1.

The **TIRE** screen page can be set as the standard screen page (see page 141).



If an event occurs that needs to be viewed when the **TIRE** screen page is being displayed, the screen is displayed in reduced size as in the following example **1**.

Once the event has been displayed, the **TIRE** screen page is displayed again. If malfunctions/events occur for which a summary symbol needs to be displayed, the symbol will be displayed in one of the two specific areas **A** (example **2**) until the malfunction is corrected.



Low pressure

When the on-board instrument panel receives the signal from the tyre pressure ECU that the pressure level of one or more tyres is below the *alarm threshold*, the following screen page will appear (with any type of screen page displayed):

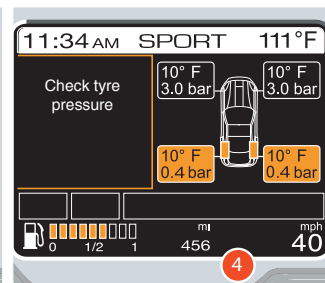
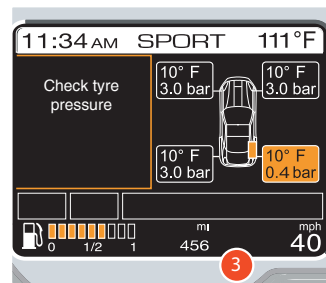
- for a warning relating to only one tyre (example **3**)
- for a warning relating to several tyres (example **4**).

Once the display time has elapsed, the screen page disappears.

The next time the engine is started, if the failure persists, the screen page shown above will be displayed (example **3** or **4**).

The **TIRE** screen page can be displayed by pressing the **DISP** button. In this way, you can identify the tyres with insufficient pressure under normal operating conditions at any time (example **5**).

Occasionally, the system may be unaware of which wheel signals a failure and cannot therefore indicate the wheel concerned.



If this occurs, the following screen page will be displayed (example 6).

Once the display time has elapsed, the screen page disappears.

The **TIRE** screen page showing the pressure of each tire cannot be recalled by the driver.

The next time the engine is started, if the pressure fault persists, the screen page will be displayed again and once the display time has elapsed, the screen page disappears.

Tire puncture

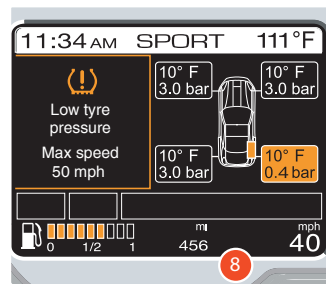
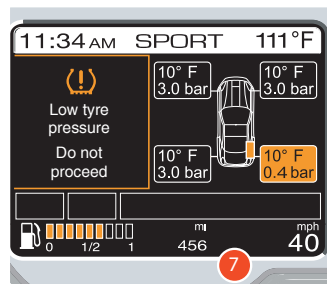
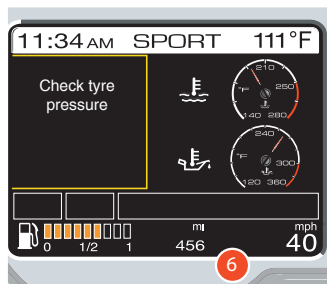
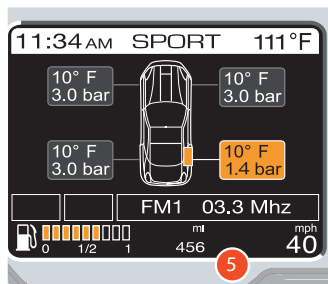
When the on-board instrument panel receives the signal from the tire pressure ECU that the pressure level of one or more tires is below the alarm threshold, the following screen page will appear (with any type of screen page displayed):

- for vehicles with normal tires (example 7)
- for vehicles with RUN FLAT tires (example 8)

At the same time, the appropriate warning light on the instrument panel illuminates (see page 156).

If normal tires are used, the failure follows the same display logic as the other failures with **priority 0** until the situation is corrected, and the system requires subsequent calibration.

When the display cycle ends, the screen page disappears whereas the warning light remains illuminated.



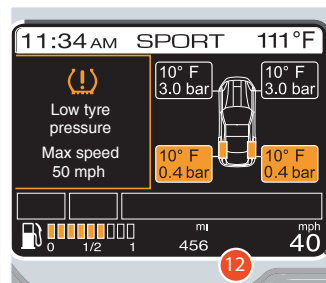
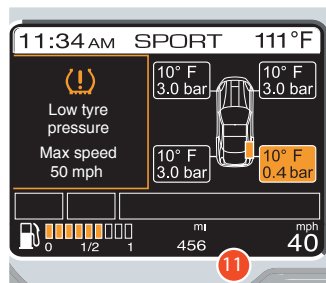
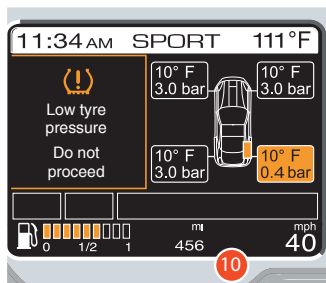
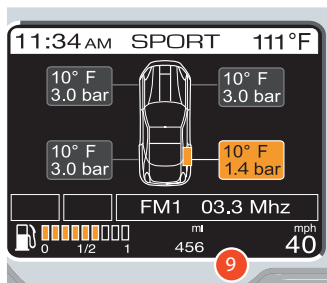
When the **TIRE** screen page is displayed, you can identify the punctured tire under normal operating conditions (example 9).

For vehicles with Run Flat tires, the instrument panel will calculate the residual tire life and repeat the display after 31 mi (50 km).

During the “punctured tire” condition, after driving more than 62 mi (100 km), the screen page (example 10) will be displayed or if the vehicle speed exceeds 50 mph (80 km/h), the screen page (example 11) will be displayed according to the logic for **priority level 0** faults.

If another tire is punctured, the instrument panel will calculate the updated number of mi (km) which can still be driven based on the distance driven after the previous puncture (example 12).

If the driver presses the **MODE** button while **priority 0** (normal tire puncture) or **priority 2** (Run Flat tire puncture not in a speed limit exceed condition with the tires still in a driving condition) faults are being displayed, the screen page will disappear but the warning light will remain illuminated.



In this case too, the **TIRE** screen page can be displayed by pressing the **DISP** button. This way, you can identify the punctured tires under normal operating conditions at any time (example **13**).

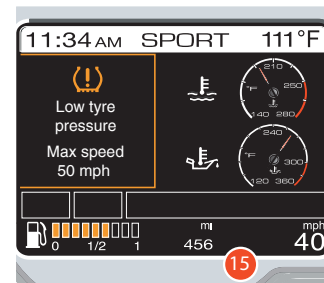
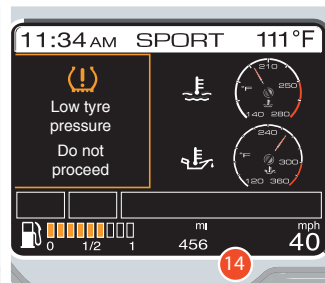
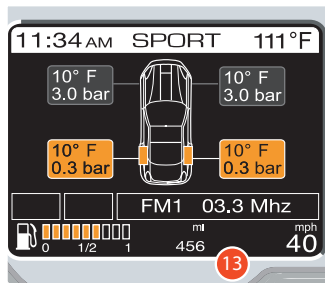
Occasionally, the system may be unaware of which wheel signals a failure and cannot therefore indicate the wheel concerned. In this case, the following screen page will be displayed:

- for vehicles with normal tires (example **14**). If the fault occurs when the **TIRE** screen page is displayed, the displayed screen page will automatically become the default one.

- for vehicles with RUN FLAT tires (example **15**). If the fault occurs when the **TIRE** screen page is displayed, the displayed screen page will automatically become the default one.

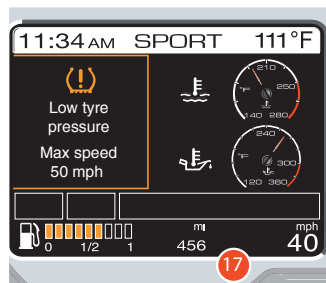
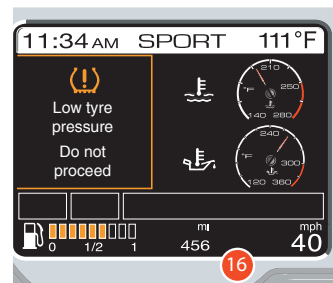
When the display cycle ends, the screen page disappears whereas the warning light remains illuminated.

The instrument panel will calculate the residual tire life and repeat the display after 31 mi (50 km).



During the “punctured tire” condition, after driving more than 62 mi (100 km), the screen page (example **16**) will be displayed or if the vehicle speed exceeds 50 mph (80 km/h), the screen page (example **17**) will be displayed according to the logic for **priority level 0** faults.

The **TIRE** screen page showing the pressure of each tire cannot be recalled by the driver.



System not calibrated

Warning



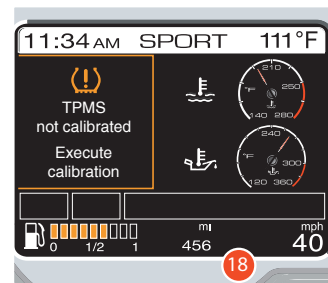
Before calibrating the system, make sure that the tire pressure corresponds to the indicated pressure values (see page 28). If this is not the case, the system may issue wrong low pressure indications.

If the system has not been calibrated or after replacement of one or more tires, the screen page (example **18**) will be displayed.

At the same time, the warning light on the instrument panel (see page 156) will flash for 90 sec.

When the display cycle ends, the screen page disappears. The warning light remains on until the system has been calibrated.

The system can be calibrated using the special menu item in the TFT display (see page 137) (ignition key in position **II** and engine off).



When the Menu item is displayed and the subsequent calibration accepted, the following screen page (example 19) appears for 5 sec. If the **TIRE** screen page is displayed, the displayed screen page will automatically become the default one (example 20).

For “Calibration Activated” the **TIRE** screen page can be recalled but the pressure and temperature values are replaced by dashes.

Tire pressure monitoring system failure

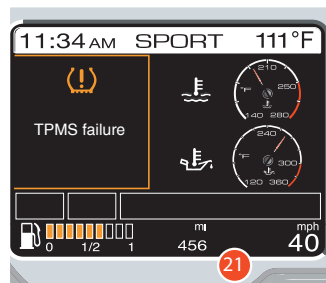
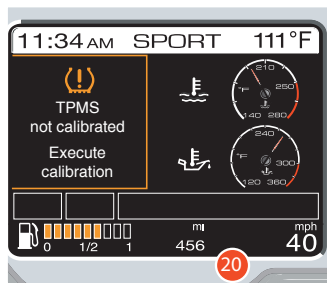
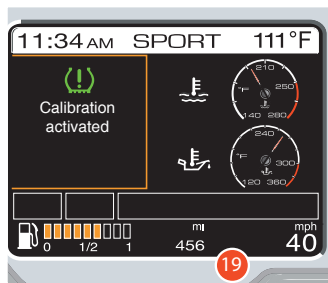
The following screen page (example 21) is displayed in the following cases:

- fault on the circuit and/or wiring to the ECU
- if the signal is not received by one or more sensors due to a faulty, broken or dead battery
- fault in the TPMS ECU.

At the same time, the warning light on the instrument panel (see page 156) will flash for 90 sec. The warning light then flashes until the situation is corrected.

If the **TIRE** screen page is displayed, the displayed screen page will automatically become the default one (example 21).

The **TIRE** screen page cannot be recalled by the driver.



System temporarily inactive

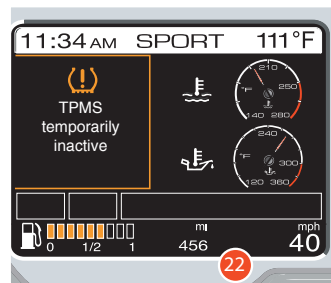
When the following conditions occur:

- temperature too high
 - during calibration (the TPMS ECU does not recognize the sensors)
 - radio frequency that interferes with the wheel sensor signal,
- the following screen page appears (example 22).

At the same time, the warning light on the instrument panel (see page 156) will flash for 90 sec. The warning light flashes until the situation is corrected.

Subsequently (or after pressing the **DISP** button), the screen page disappears whereas the warning light remains illuminated.

The **TIRE** screen page cannot be recalled by the driver.



System inactive

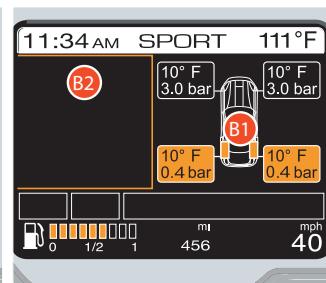
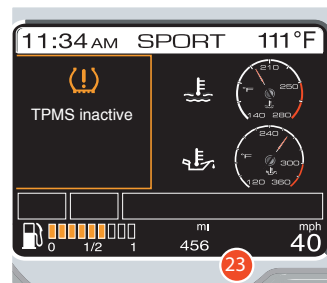
For a few seconds at key-on, if the system has been deactivated by a diagnosis tool, the following screen page appears (example 23).

At the same time, the warning light on the instrument panel (see page 156) will flash for 90 sec. The warning light then flashes until the situation is corrected.

If the **TIRE** screen page is displayed, the displayed screen page will automatically become the default one.

Subsequently (or after pressing the **DISP** button), the screen page disappears whereas the warning light remains illuminated.

The **TIRE** screen page cannot be recalled by the driver.



Summary of TPMS displays

Function	Message + Symbol (Area B2)	Vehicle Symbol (Area B1)	Recovery (no connection)	TIRE screen page can be displayed on request	
				In normal conditions	Recovery (no connection)
Low tire pressure	Check tire pressure	Vehicle with tire pressure and temperature values. The background of the box indicating the pressure value for the faulty tire is orange.	Generic failure symbol + specific symbol + “Electrical system failure” message for 20 sec. After 20 sec. or when the MODE button is pressed, the generic failure symbol is minimized	Vehicle symbol in the center of the TFT display with tire pressure and temperature values. The background of the box with the pressure value for the faulty tire is orange.	Not able to be displayed
Low tire pressure (when the system does not recognize the tire)	Check tire pressure (message only)	-		Not able to be displayed	
TPMS not calibrated	TPMS not calibrated Execute calibration + Tire (orange)	-		Not able to be displayed	

Summary of TPMS displays

Function	Message + Symbol (Area B2)	Vehicle Symbol (Area B1)	Recovery (no connection)	TIRE screen page can be displayed on request	
				In normal conditions	Recovery (no connection)
Calibration in progress	Calibration activated + Tire (green)	-	Generic failure symbol + specific symbol + “Electrical system failure” message for 20 sec. After 20 sec. or when the MODE button is pressed, the generic failure symbol is minimized	Vehicle symbol in the center of the display with tire pressure and temperature values replaced by dashes.	Not able to be displayed
TPMS failure	TPMS failure + Tire (orange)	-		Not able to be displayed	
Tire puncture	Low tire pressure Do not proceed + Tire (orange)	Vehicle with orange punctured tire		Vehicle symbol in the center of the display with tire pressure and temperature values and punctured tire shown in orange	
Tire puncture (when the system does not recognize the punctured tire)	Low tire pressure Do not proceed + Tire (orange)	-		Not able to be displayed	

Summary of TPMS displays

Function	Message + Symbol (Area B2)	Vehicle Symbol (Area B1)	Recovery (no connection)	TIRE screen page can be displayed on request	
				In normal conditions	Recovery (no connection)
Run Flat puncture after 62 mi (100 km)	Low tire pressure Do not proceed + Tire (orange)	Vehicle with orange punctured tire	Generic failure symbol + specific symbol + “Electrical system failure” message for 20 sec. After 20 sec. or when the MODE button is pressed, the generic failure symbol is minimized	Vehicle symbol in the center of the display with tire pressure and temperature values and punctured tire shown in orange	Not able to be displayed
Run Flat puncture (or if a speed of 50 mph-80 km/h is exceeded)	Low tire pressure Max speed 50 mph + Tire (orange)	Vehicle with orange punctured tire			
TPMS temporarily inactive	TPMS temporarily inactive + Tire (orange)	-		Not able to be displayed	
TPMS inactive	TPMS inactive + Tire (orange)	-		Not able to be displayed	

TAB 1. Child restraint systems that can be installed with LATCH (rear seats only) - 2 + 2-seater version

GROUP	WEIGHT RANGE	SEAT	
		Driver-side rear	Passenger side rear
0	0 - 22 lb. (0 - 10 kg)	X	U - L
1	20 - 40 lb. (9 - 18 kg)	U - L	U - L
2	33 - 55 lb. (15 - 25 kg)	U - L	U - L
3	48 - 79 lb. (22 - 36 kg)	U - L	U - L

TAB 2. Special Ferrari BabySmart™ child restraint systems (Produced by Britax-Römer)
front passenger seat only - 2 + 2-seater version

GROUP	WEIGHT RANGE	Name
0	0 - 22 lb. (0 - 10 kg)	BABY Plus
1	20 - 40 lb. (9 - 18 kg)	DUO Plus
2	33 - 55 lb. (15 - 25 kg)	KID Plus
3	48 - 79 lb. (22 - 36 kg)	KID Plus

Key

- U = suitable for “Universal” category restraint systems homologated for use in this weight group.
- L = suitable for the special restraint systems listed in TAB 2. These restraint systems can be “vehicle specific”, “limited” or “semi-universal”.
- X = seat not suitable for children in this weight group.

1. General

2. Quick reference guide

3. Safety

4. About your vehicle

5. Advice for Emergency Situations

6. Care of the vehicle

7. Glossary

8. Table of Contents



Doors

Opening from the outside

Using the remote control, deactivate the alarm and the central door locking system, or turn the key in the lock to deactivate the central door locking system.

When pulling the handle **A** to open the door, the window moves down approximately 0.8 in. (2 cm). When the door is closed, it will move back up until it meets the upper limit.

Locking and opening the doors from the inside

Warning



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



When pulling handle **B** 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 limit.

If the handle **B** is pulled without opening the door, the window will lower to the “*target position*” but, after 2 seconds, if the door is not opened, the window moves up to the upper limit.

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

Press the button **C** on the roof to lock both doors and press the button **C** again to unlock them.

Engine compartment lid

Opening

To open the engine compartment lid, pull the lever **D** underneath the steering column.

Release the lever **E** retaining the lid. This lever is located in the front section of the vehicle in a central position.

The lid is held open by two gas struts **F**.

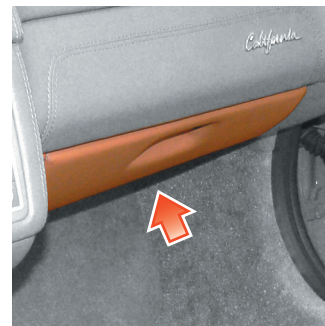
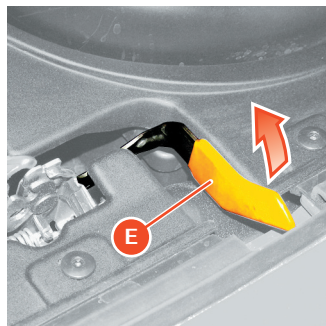
Closing

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

Warning



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



Emergency Opening

If the lid opening lever does not work, there is a cable for manual emergency opening underneath the dashboard, near the footrest area on the passenger side, as shown by the arrow in the figure.

Luggage compartment lid

Opening

To open the luggage compartment lid, press button **H** to the left of drivers side floor or button **L** on the remote control and hold it for at least 2 seconds. You can also use the key lock to the right of the license plate lights.

The luggage compartment is illuminated by an internal light that comes on automatically when the luggage compartment lid is opened.

Closing

Use the grip on the inside to lower the luggage compartment lid, then from the outside close it until it contacts the lock and push slightly down.

The lock will then pull the lid down until it clicks in place.



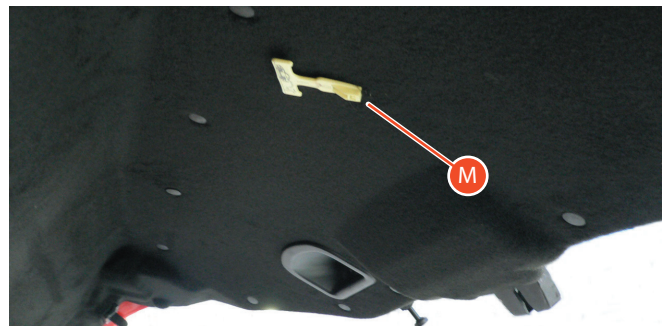
Warning



Since the lock closes automatically, always keep your hands away from the area between the luggage compartment lid and the bumper.

Emergency exit from inside the luggage compartment

If someone remains closed inside the luggage compartment accidentally, the luggage compartment lid can be opened from the inside by pulling the handle **M**, located on the inside of the compartment lid.



Fuel tank cap and door

Warning



Always turn off the engine during refueling. Take extreme care when removing the cap.

Do not smoke or use open flames when refueling.

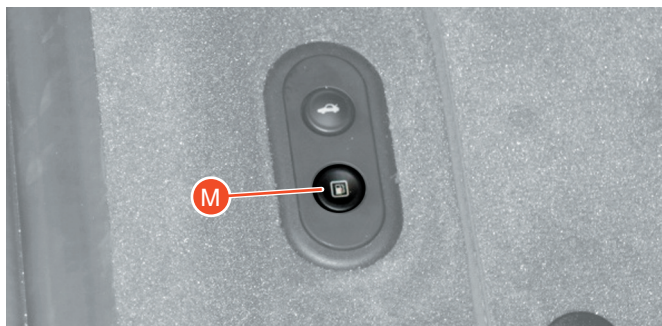
The following can be harmful for your health:

- fuel coming into contact with your skin
- inhaling fuel vapors.

Opening

To open the fuel tank door, press button **M** to the left of the driver-side floor.

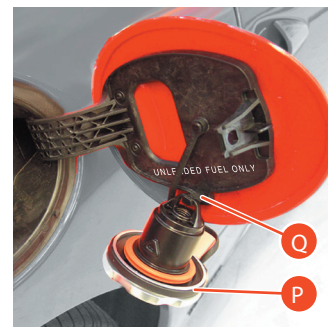
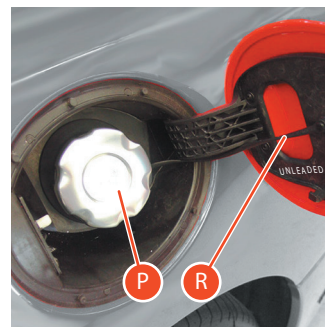
Unscrew the cap **P**, rotating it counterclockwise and hang it on the hook **Q**.



Closing

Screw the cap **P** back on tightly and close the fuel tank door.

Make sure that the cable **R** is not hanging out of the fuel tank door.

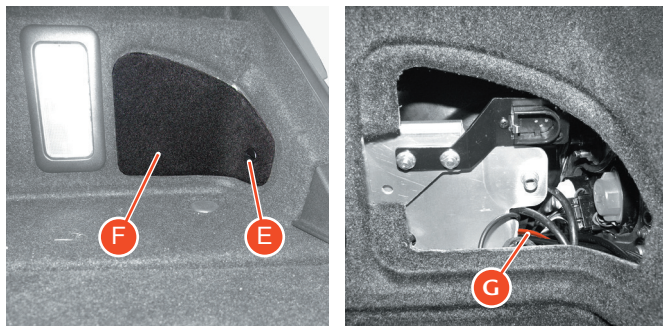


Emergency Opening

In the event of a failure of the fuel tank door button, the door can be opened manually.

Open the luggage compartment lid, turn the lock **E** and open the door **F**.

Pull the emergency cable **G**.



Power windows

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

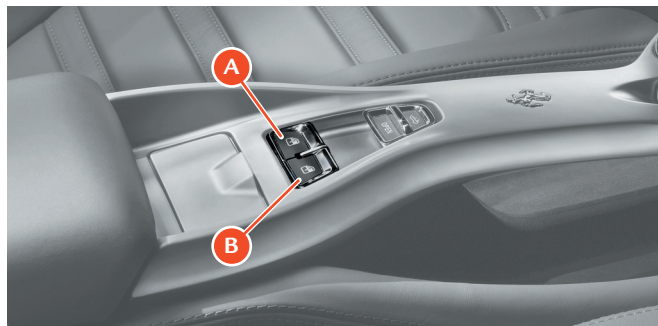
Driver-side power window

Press button **A** to move the window up or down. This button allows manual operation (partial opening/closing) or automatic operation (complete opening/closing). Press button **A** briefly to activate manual operation; if the button is pressed at length (over 0.3 seconds) automatic window operation is activated. The window will only stop when it reaches the end of its travel or by pressing the button again.

Passenger-side power window

Press button **B** to move the window up or down.

Only manual operation is possible (partial opening) to raise the window: when button **B** is released, the window stops at the position reached.



To lower the window, automatic operation is also possible (full opening): if the button is pressed at length (over 0.3 seconds) automatic window operation is activated. The window will only stop when it reaches the end of its travel or by pressing the button again.

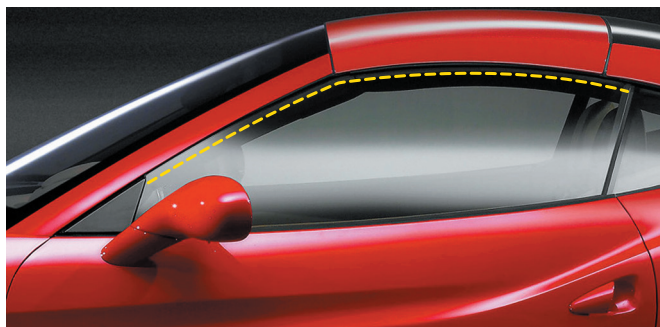
When the door is open, the window will only rise to the “*target position*”, to prevent the window from hitting the upper weather strip when it is closed.

“Global Open” function

Quickly press the “Retractable hard top” button twice to open all four windows at the same time.

“Global Closed” function

Quickly press the “Retractable hard top” button and then hold it down to close all four windows at the same time.



Rear power windows

With the driver side front window open, press button **A** again to open the driver side rear window.

With the passenger side front window open, press button **B** again to open the passenger side rear window.

To close the rear windows, simply lift button **A** for the left window and **B** for the right window.

Warning



Pay particular attention during automatic operation of the driver-side power window because the window will open / close automatically when the feature is activated.

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

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

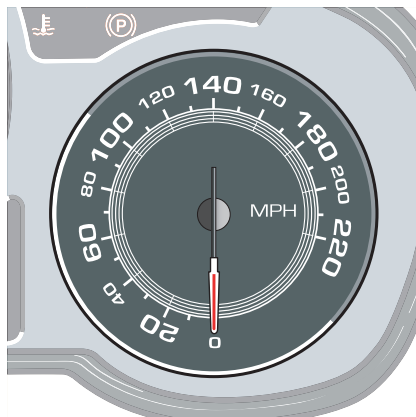
Instruments and gauges



- 1 TFT Display
- 2 Electronic speedometer
- 3 Tachometer
- 4 Gear display
- 5 Warning lights
- 6 Manettino status
- 7 Fuel level

Electronic speedometer

The speedometer indicates the actual speed of the vehicle.



Tachometer

The tachometer indicates the engine RPM.

The numbers on the dial multiplied by 1000 correspond to the engine RPM in one minute.

The gear display is located on the bottom right of the tachometer.



Retractable hard top

The hard top system is composed of three main moving parts:

- top section
- rear section with rear window
- luggage compartment lid.

Opening and closing is actuated by a hydraulic system, driven by a pump and controlled by a number of sensors that check every opening and closing phase.

Warning



For safety reasons, the retractable hard top can only be opened and closed when the vehicle is stationary.

Warning



The hard top must be opened or closed while remaining correctly seated in the driver's seat.

Warning



Before activating the hard top and while it is in motion, always check that people and objects are at a safe distance from the moving parts of the hard top. In the event of danger, release the hard top switch; all movement will stop immediately.

Important note



Before opening or closing the hard top, refer to "Placing suitcases in the luggage compartment" on page 191.

Warning



Before operating the retractable hard top, make sure that the backrest of the child seat is set to its minimum height.

The conditions required for opening and closing the retractable hard top are the following:

- the vehicle must be stationary
- the luggage compartment must be closed
- the battery voltage must not be below 11 volts
- the partition between luggage compartment and folded hard top compartment must be in the correct position, fully pushed back and fastened

Warning



Do not place items above the partition! Risk of serious damage to opening and closing mechanisms.



- check that there is adequate space heightwise and in the rear of the vehicle: the minimum available height **A** must be 66.93 in. (1700 mm), the minimum distance **B** of an obstacle from the rear must be more than 15.75 in. (400 mm).
- ignition key in position II and the engine running

Important note



We recommend that you operate the retractable hard top with the engine running.

Important note

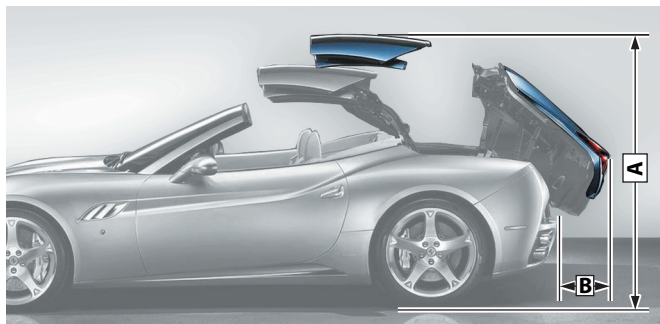


If distance **B** is less than 15.75 in. (400 mm), the parking sensors will not allow the hard top to open or close.

The parking sensors are only activated when the key is in position **II**.

- the hydraulic system must not be overheated.

If one or more conditions are not met, the appropriate message will appear on the TFT display.



Hard top opening using the switch

Important note



Before opening the hard top, ensure that the top of the hard top and the rear window are dry to prevent water from entering the passenger compartment or luggage compartment.

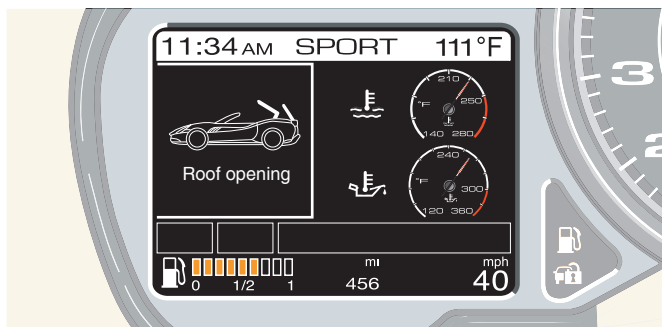
Pull back switch **A** on the center console and continue to hold until the hard top is completely open.

The operation in progress will be indicated by a warning on the TFT display.

When the button is pressed, a series of operations required to open or close the retractable hard top begins:

- the side windows are lowered completely
- the rear window is raised
- the luggage compartment lid rotates around a hinge fitted in its rear section





- the rear window and luggage compartment lid parts are positioned in the luggage compartment
- the luggage compartment lid is closed.

Important note



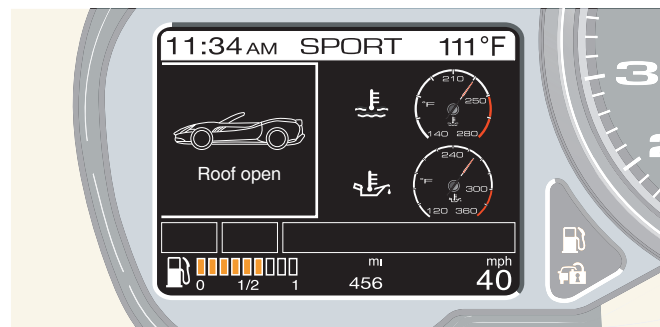
Throughout all these phases, the side windows cannot be activated.

At the end of the opening cycle, an acoustic signal will indicate the end of the operations and the appropriate phase will be indicated with a message on the TFT display. Once you hear this signal, you can release switch **A**.

Warning



Do not reverse the opening or closing direction when opening or closing the hard top.
Always complete the cycle until the acoustic signal is emitted.



Hard top closing using the switch

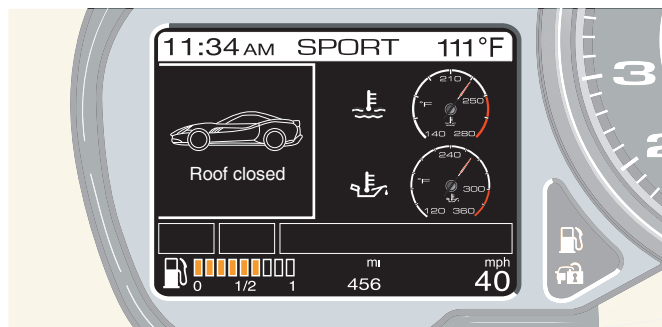
Push switch **A** on the center console forward and continue to hold it until the hard top is completely closed.

The operation in progress will be indicated by a warning on the TFT display.

When the button is pressed, a series of operations required to open or close the retractable hard top begins:

- the side windows are lowered completely
- the luggage compartment lid lifts and rotates backward
- the top section of the hard top comes out of the luggage compartment and rests on the edge of the windshield bay
- the luggage compartment lid completes the closing phase
- the rear window starts moving back and goes into position.

Once the operation has been completed, an acoustic signal indicates that the switch can be released.



Hard top operation on stand-by

If the button is released before the retractable hard top has been completely opened or closed, the message "Complete roof cycle" will appear on the TFT display and will remain displayed until the opening or closing cycle is reactivated.

Warning



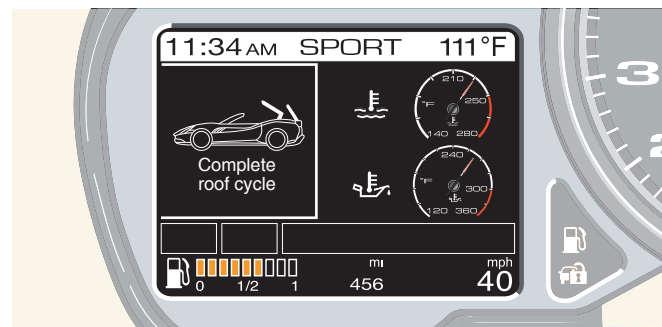
Do not drive until opening or closing has been fully completed.

A few minutes after the hard top is in standby position, an acoustic signal and message on the TFT display will prompt you to complete the operation.

Warning



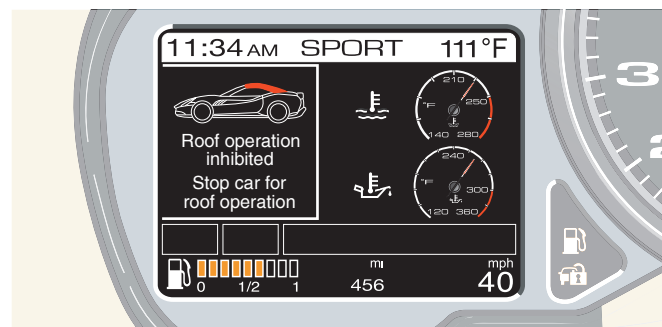
Avoid leaving the hard top in a standby position.



Operations not allowed

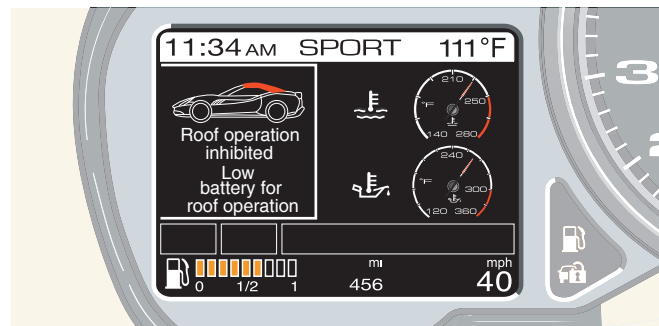
If the conditions for opening or closing the retractable hard top are not met, this will be indicated by an acoustic signal and a message on the TFT display:

- hard top activation during vehicle motion

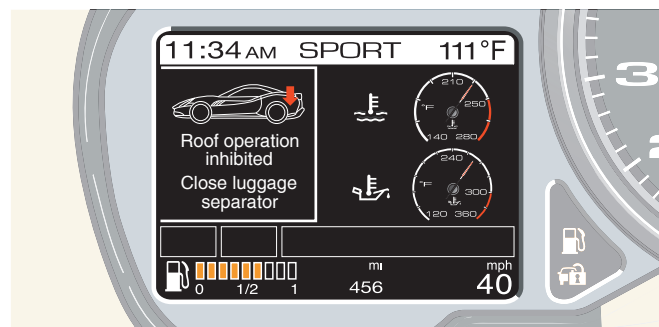
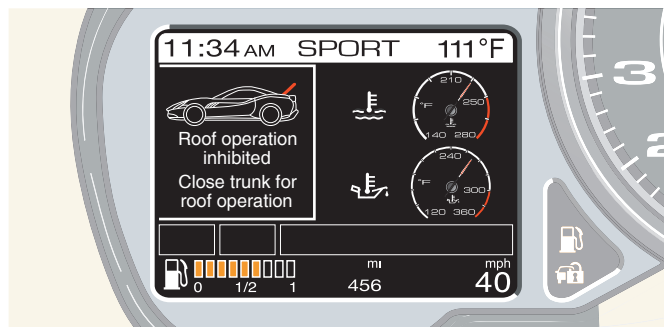


- the speed signal transmitted via the CAN network is not detected by the ECU
- the luggage compartment has not been closed correctly

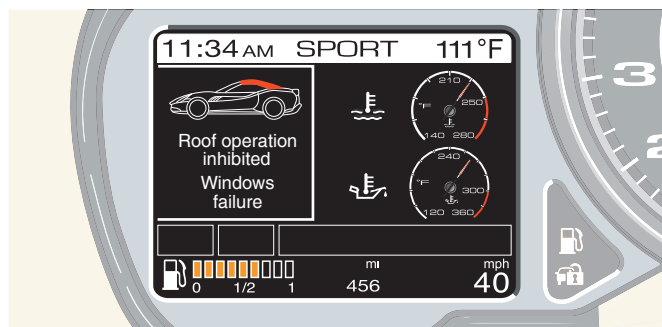
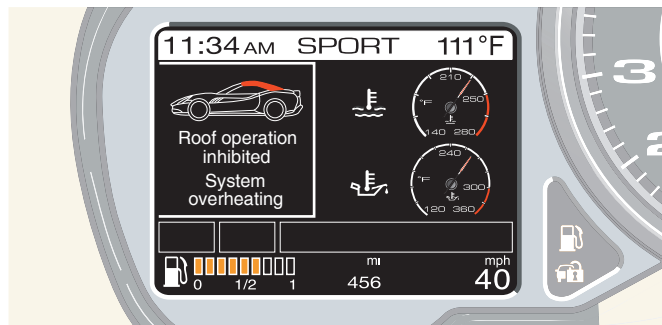
- the battery voltage is below 11 volts



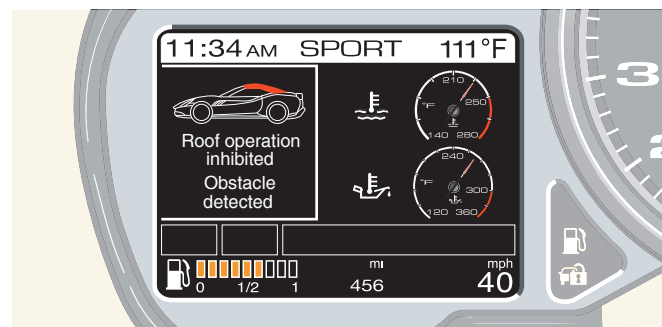
- the partition between the luggage compartment and the folded hard top compartment must be in the correct position, fully pushed back and fastened



- the hydraulic system is overheated
- the window position sensor detects that at least one of the windows is not in the correct position



- the parking sensors have detected an object in the rear of the vehicle



- the parking sensors are not communicating with the ECU.

Warning



DO NOT open the retractable hard top when the outside temperature is below 14 °F (-10 °C).

Warning of faulty opening and closing

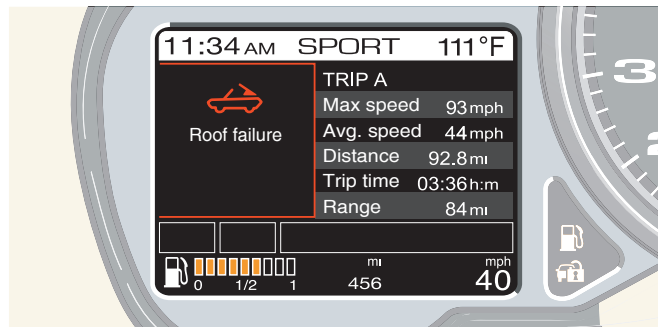
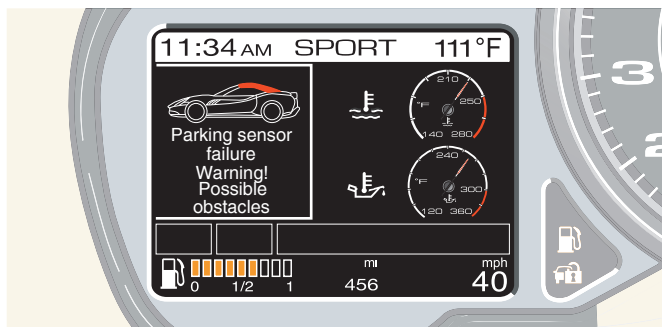
If there is a problem with opening and closing the hard top, the fault will be indicated by an acoustic signal and a message on the TFT display.

After 20 seconds or after pressing the MENU button, the screen page is reduced to an icon and moves to the bottom left of the TFT display.

Warning



If there is a fault in the retractable hard top system, contact your AUTHORIZED FERRARI DEALER.






Lighting system

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

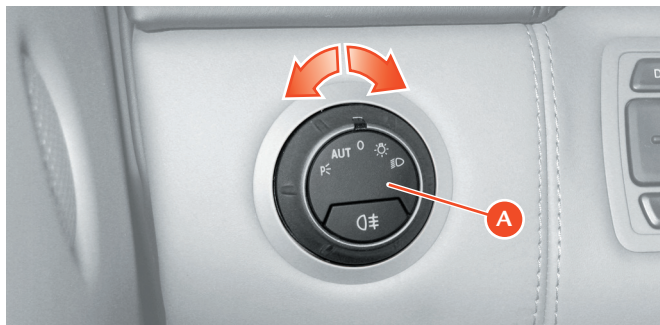
The external lights can be turned on and off manually or automatically, depending on the daylight conditions.

Light switch


Switch **A** has five positions:


- 0** Lights off
-  Running and license plate lights on (*)
-  Low beams on (*)
-  Parking lights
- AUT** Automatic operation of the external lights according to the ambient light.

(*) The appropriate indicator light on the instrument panel illuminates.



High beams

To turn on the high beams when the light switch **A** is set to , push the left-hand lever **B** towards the dashboard.

When the high beams are on, the appropriate warning light illuminates on the instrument panel .

Pull the lever **B** towards the steering wheel again to turn off the high beams and turn on the low beams.

Flashing the headlights

The headlights can be flashed by pulling the left-hand lever **B** towards the steering wheel.

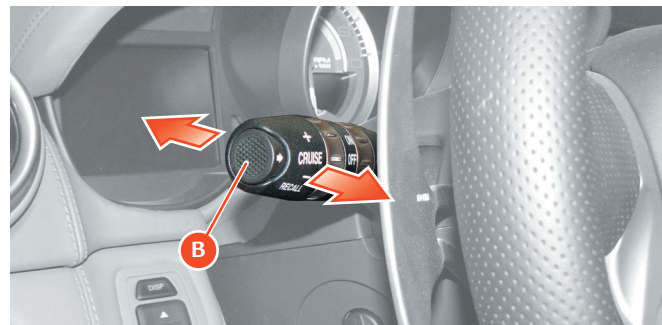
Flashing occurs also with lights off if the ignition key is set to II.

The high beams are used for flashing.

Important note




Follow the road regulations of the country you are traveling in for using the high beams.




Parking lights

The parking lights work only with the ignition key in position **0** or with the key removed.

They are activated by turning the light switch **A** to position **P**.

When the parking lights are on, the warning light illuminates on the instrument panel .

When the parking lights are on, move the left-hand lever **B** downward to turn on the left-side running lights. Move the lever upward to turn on the right-side running lights.

When the partial parking lights are on (lights only on one side of the vehicle), the running light warning light  turns off whereas a special message is displayed on the TFT display for 10 seconds.

When the light switch **A** is turned to **AUT** and the ignition key is in position **II**, the running lights, low beams and license plate lights turn on and off according to the ambient light.

Important note



The high beams can only be activated manually, by pushing the left-hand lever **B** towards the dashboard.

Important note



If the high beam control is activated, the high beams will turn on every time the lights are activated automatically. We recommend therefore that you turn them off every time the twilight sensor deactivates the external lights.

Warning



If there is fog during the day, the running lights and low beams will not be turned on automatically. The driver must always be ready to turn on the lights manually and also the rear fog lights, if necessary.

Important note



After automatic activation of the external lights, it will always be possible to turn on the rear fog lights manually. When the external lights are deactivated automatically, the rear fog lights are also turned off (if active) automatically. Therefore, if necessary, the driver will have to turn on the rear fog lights manually upon the next automatic activation.

Warning



The driver is always responsible for turning on the external lights, depending on the ambient light and in compliance with the regulations in force in the country of use. The automatic system for turning on and off the external lights must be considered an aid for the driver. If necessary, turn the lights on and off manually.

Twilight sensor

The twilight sensor is comprised of a global sensor, which measures the ambient light.

In the event of sensor failure, the system turns on the low beams and running lights, regardless of the daylight conditions; a failure message will appear on the instrument panel display.

The failure indication will be displayed as long as the light switch A is turned to AUT.

In this case, we recommend that you deactivate the automatic system and turn on the external lights manually if necessary.

Important note



In case of twilight sensor failure, contact your **AUTHORIZED FERRARI DEALER** as soon as possible.

Direction indicators

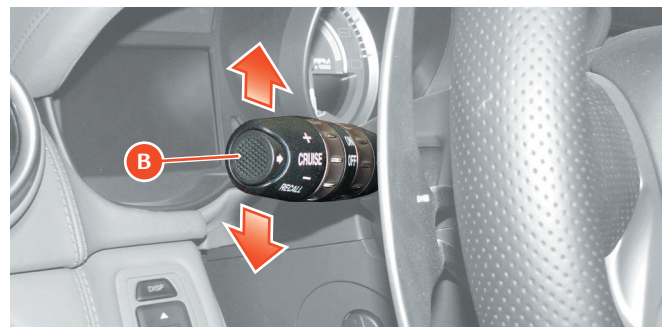
When lever **B** is:

- moved up, the right-hand direction indicators are turned on;
- moved down, the left-hand direction indicators are turned on.

The appropriate warning lights ➡ or ➡ will illuminate on the instrument panel.

The lever returns to the neutral position automatically when the steering wheel is straightened.

To indicate a temporary lane change, requiring only the slightest turn of the steering wheel, the lever can be moved without clicking it into position.



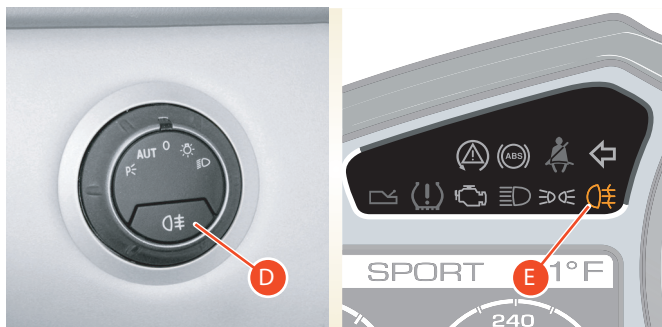
Rear fog lights

These can be activated only when the high or low beams are on, by pressing button **D**. The appropriate warning light **E** will illuminate on the instrument panel.

Important note



Use the rear fog lights only in poor visibility conditions.

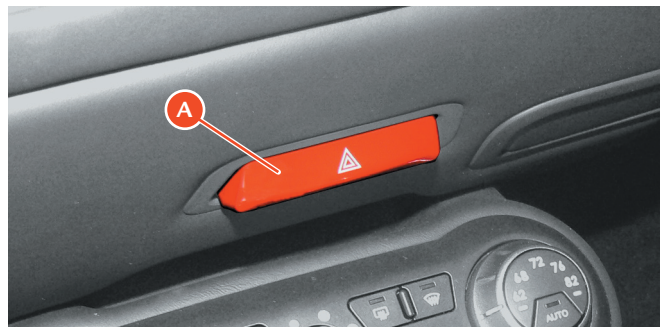


Hazard warning lights

Press button **A** to turn on the hazard warning lights. All the direction indicators will start blinking intermittently. These lights will operate with the ignition key in any position.

When the hazard lights are on, the appropriate warning light on the instrument panel and on the button flash.

To turn them off, press the button again.



Adaptive light system (optional)

The “Adaptive Light” system not only illuminates the road better but also helps avoid shadowy areas in the curved trajectory of the vehicle.

The beam angle is defined by the following parameters:

- steering angle
- vehicle speed
- lateral acceleration.

To avoid shadowy areas when driving on curves, the lighting direction of the beams varies from 7.5° inwards and 15° outwards.



Dome light

When the doors are closed, the dome light **D** on the roof can be turned on or off using the switch **E**.

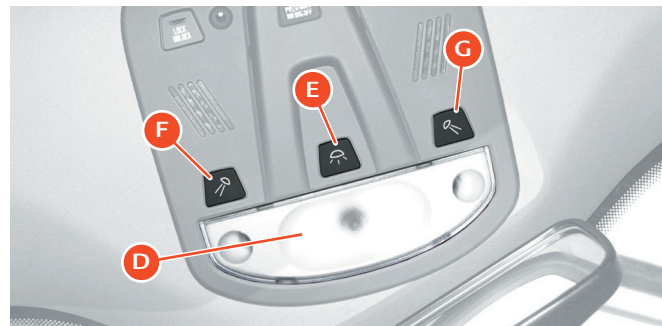
Switch **F** is used to turn on the driver-side spotlight and switch **G** turns on the passenger side spotlight.

The dome light activates automatically in the following conditions:

- when a door is opened, for approx. 3 minutes
- when all the doors are closed and the key is in position 0, for approx. 10 seconds
- when the key is removed, for approx. 10 seconds
- when the doors are unlocked, for approx. 10 seconds
- when the inertia switch is activated, for approx. 15 minutes.

The dome light deactivates automatically in the following conditions:

- after the preset activation time has elapsed
- when the doors are closed and the key is in position **II**
- when the doors are locked
- when the inertia switch is reactivated.



Warning



When using the TFT display and its controls, do not become distracted from driving the vehicle. When possible, perform these operations with the vehicle stationary..

“TFT” display

Located on the instrument panel, it performs the following functions:

- indication of the control parameters
- indication of general information while driving
- fault warnings.

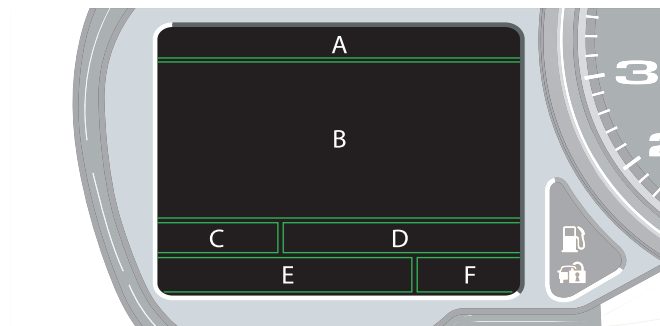
The driver can interact with the system by choosing graphic configurations and setting the parameters.

The screen is activated and set by pressing the buttons **DISP (H)**, **MODE (L)** and **UP, DOWN (I)** on the dashboard to the left of the steering wheel.



Six different screen areas are available, depending on the display type chosen:

- A** - display of clock, selected driving mode (“Manettino” position), outside temperature and “Warning: danger of ice” icon
- B** - display of virtual control gauges and information generated by specific events and/or on request, engine coolant temperature/engine oil temperature gauges, parking sensor screen page, display of abnormal events / warnings with messages and special symbol when available
- C** - display of 0/1/2 priority level faults (see page 153), engine coolant temperature/engine oil temperature gauges
- D** - audio info / check - check OK indication / “Calling” info
- E** - fuel level gauge, total or trip odometer (TRIP A or B) / range
- F** - speedometer repeater.



Parameters shared by all the configurations

Clock

The clock is always displayed to the left in area **A** in all configurations and can be viewed in the “24h” or “12h – AM/PM” format.

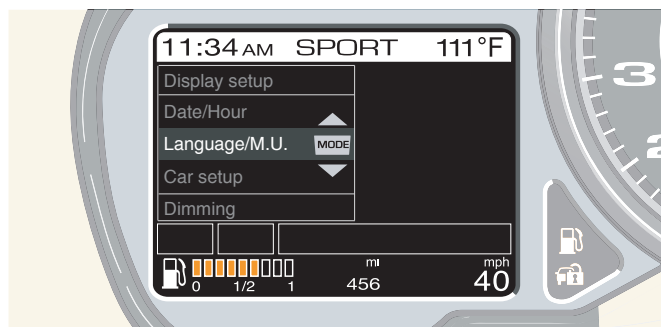
Date and time

The data in the Trip A/ Trip B screens is displayed with the day of week (e.g., Mon.), day and month, without current year. It can be set using the UP and DOWN buttons through the Menu function. To confirm, press MODE.

The time may be displayed in the “24h” or “12h – AM/PM” format. To select the format and set it, use the UP and DOWN buttons through the Menu function. To confirm, press MODE.

Outside temperature gauge

The information is displayed to the right in area **A**.



Configuration settings

Menu Page

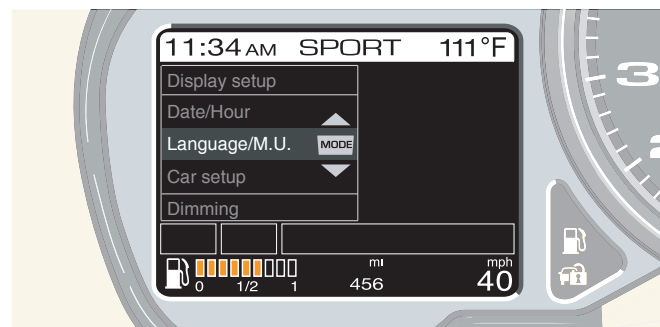
To display the MENU page, press the DISPLAY button.

The parameters that may be set are:

- Dimming
- Display setup
- Date and hour
- Language and Units of measure (M. U.)
- Car setup
- Calibrate TPMS
- Service.

To select the above mentioned parameters and the related functions, use the UP and DOWN buttons.

To confirm the selected parameter, press MODE.



KEY ON

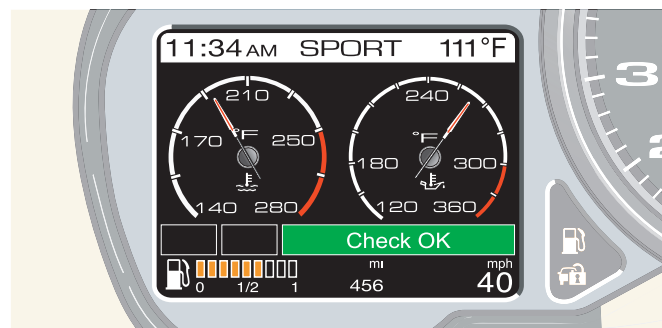
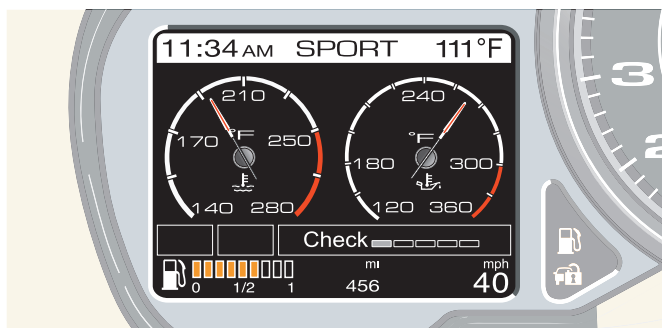
Upon key-on, the check procedure is started and, regardless of the main screen page, the message “Check” is immediately displayed in area **D** on a grey background divided into 5 “segments” that are gradually highlighted as the 5 seconds elapse.

- 1 the initial check time of the warning lights has elapsed
- 2 engine RPM has exceeded the set value
- 3 the check procedure has been successfully completed (no failures)
- 4 the Service information has been displayed for 5 seconds (when provided)

Subsequently, the “Check OK” message will appear.

If only conditions **1**, **3**, **4** are met (no engine start), the main screen page previously saved will be displayed (also after turning the key to off and then back to on).

The “Check OK” message is displayed as soon as condition **2** is met, provided the others are maintained.



DISP (DISPLAY) button

Press the DISP button to display the following screen pages:

- SPORT
- TIRES
- TRIP A/B
- MENU

MODE button

When pressed for less than 2 seconds:

- if the **MENU** screen page is not displayed: it switches between total odometer information, “travel distance” **TRIP A**, “travel distance” **TRIP B** (if enabled) and range
- if the **MENU** screen page is not displayed and the odometer flashes: it resets the Trip information for the flashing odometer (**TRIP A/B**)
- if the **MENU** screen page is displayed:
- it confirms the selected function
- it confirms the setting/change and returns to the previous screen page (same item) when in the submenu functions (main **MENU**)
- it stores the confirmed changes
- it exits the display mode for the various check phases at key-on
- the malfunctions are reduced to icons if the button is pressed during fault warning display cycles.

When pressed for more than 2 seconds:

- if the **MENU** screen page is displayed: it takes you back to the previous level in the **MENU** (when in the submenu functions)
- if the **MENU** page is not displayed:
- if in total odometer mode, travel distance **TRIP A** or Range information is displayed, Odo A information flashes in the same area
- if travel distance **TRIP B** is displayed, Odo B information flashes in the same area
- if the **MENU** page is not displayed and **TRIP B** is disabled: it resets **Trip A**.

UP / DOWN button

The UP/DOWN button is a single button divided into two parts, the top part corresponds to the UP control and the bottom part corresponds to the DOWN control:

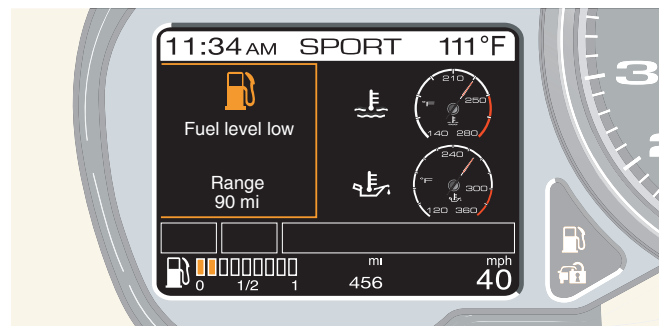
- sets/adjusts the functions on the **MENU** page
- **MENU** page not active: adjusts the instrument panel brightness level
- **Auto** function (twilight sensor active): adjusts the sensing range of the sensor.

SPORT

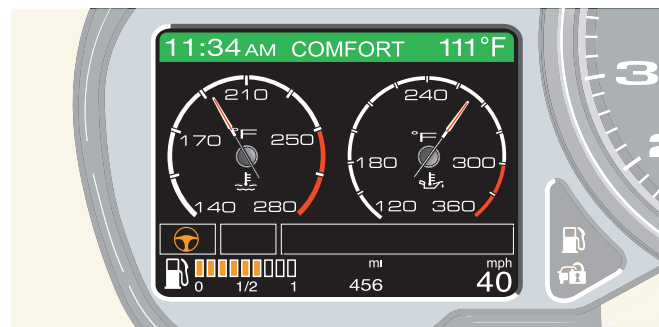
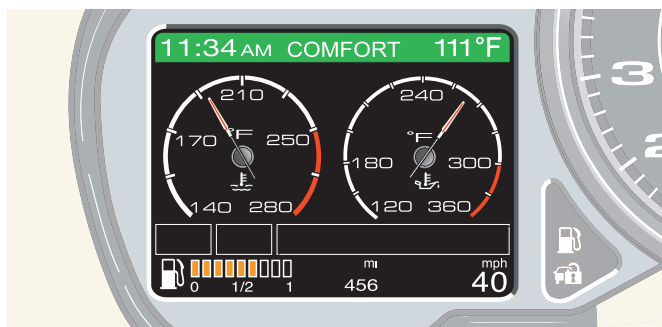
In addition to the shared parameters, the screen page shows the virtual control gauges, for:

- water temperature
- oil temperature

When the **SPORT** screen page is displayed and an event occurs that needs to be viewed, the display will appear as in the following example:



In the case of malfunctions/events which need to be displayed through a multifunction symbol, this will be viewed at the end of the display cycle, in one of the three dedicated sections of area **C**.



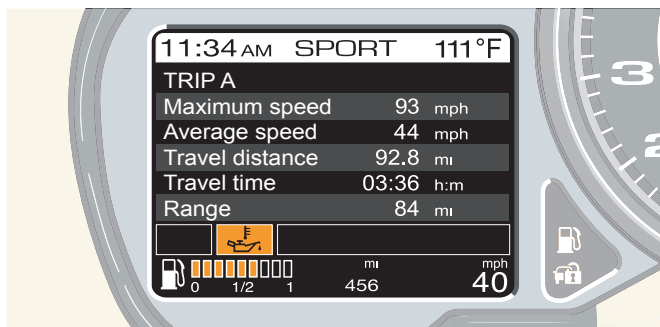
TRIP A/B

The screen page displays information on the following parameters:

- maximum speed
- average speed
- travel distance
- travel time
- range
- date.

When displaying the parameters, the zeros to the left of the most significant figure are deleted.

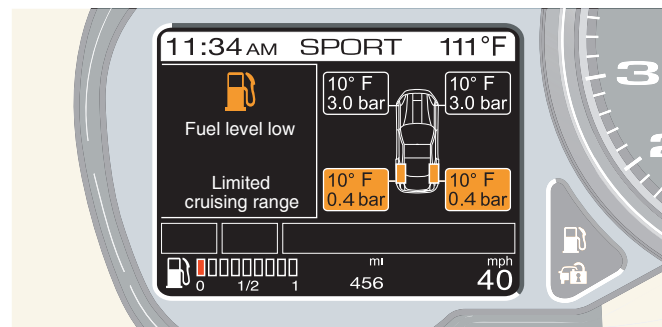
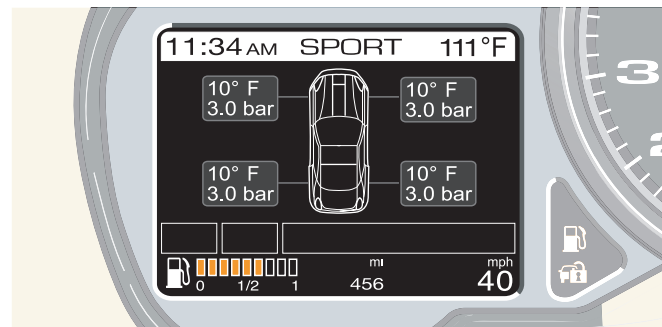
If an event occurs that needs to be viewed when the Trip A/B screen page is being displayed, the Trip information is displayed in reduced size:



TIRES (tire temperature and pressure display)

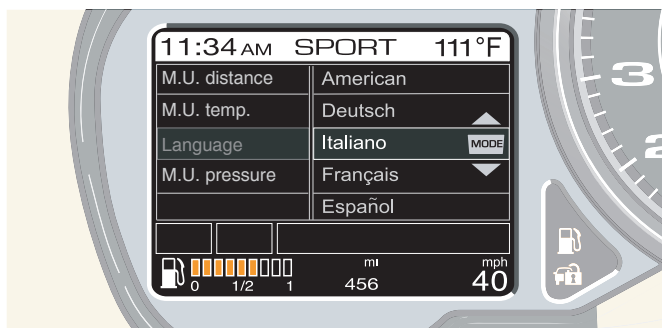
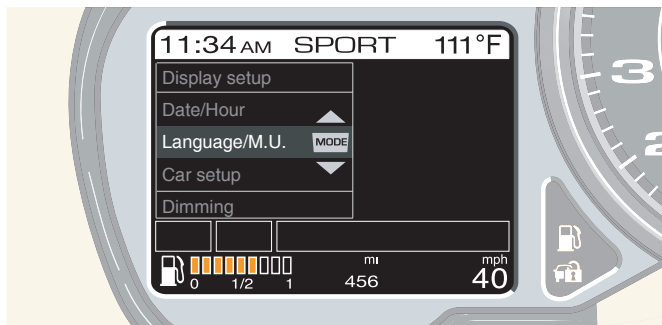
The TIRE screen page includes a vehicle symbol which indicates the pressure and temperature levels for each tire.

If an event occurs that needs to be viewed when the TIRE screen page is being displayed, the screen page is displayed in reduced size.



MENU

The Menu screen page is accessed using the “Display” button. The Menu screen page can be displayed at several levels; here is an example of a display for a level selection:



If an event occurs that needs to be viewed when the Menu screen page is being displayed, the display mode will depend on the selected menu level:

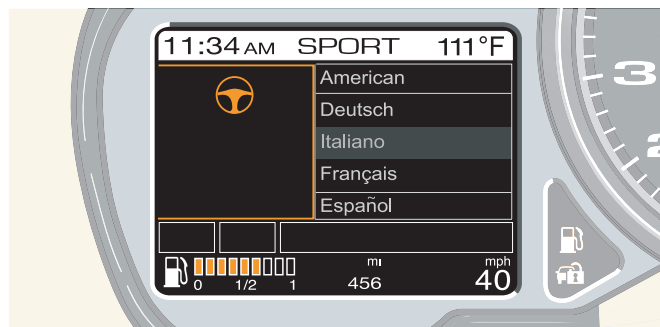
First level

The event will be displayed in the dedicated area (area B) whereas the Menu with the main items only will be moved to the right of the display.

From the second level onwards, the new event will be displayed over the Menu screen page.

In any case, when a new event is being displayed, the menu functions cannot be accessed and they will be displayed with a “softer” background.

At the end of the new event display cycle, the menu level that was active before the new event was displayed will be restored.



Fuel level gauge

This information is always present on the display (Area E).

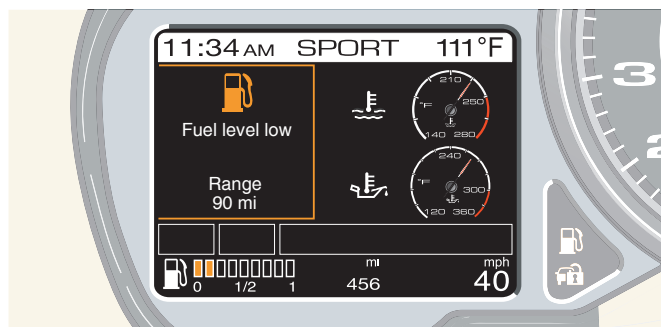
The gauge has 9 orange bars that gradually turn off as the fuel level drops.



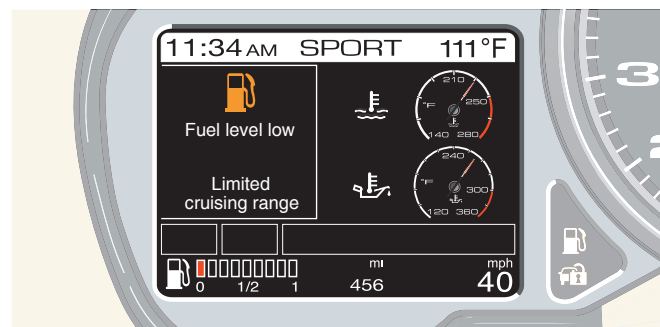
When the second bar turns off, the last bar turns red; this bar will remain illuminated until fuel runs out.



In “Fuel level low” condition, a message with a dedicated symbol is displayed for 10 seconds followed by an acoustic signal in the dedicated area, in addition to the illumination of warning light on the panel.



If the vehicle is already in a limited range condition, the range signal will be replaced by the “Limited cruising range” message and the screen page will appear as in the example below:



“Warning: danger of ice” display

To warn the driver of the presence of ice on the road if the outside temperature is 38 °F (3 °C) or lower, the “snow” symbol and ice hazard message will be displayed for 10 seconds at the top right of the display.

After the display cycle ends, the message disappears and the screen page displayed prior to the event reappears. The “snow” symbol moves to the right next to the outside temperature gauge as long as the temperature remains below 43 °F (6 °C).

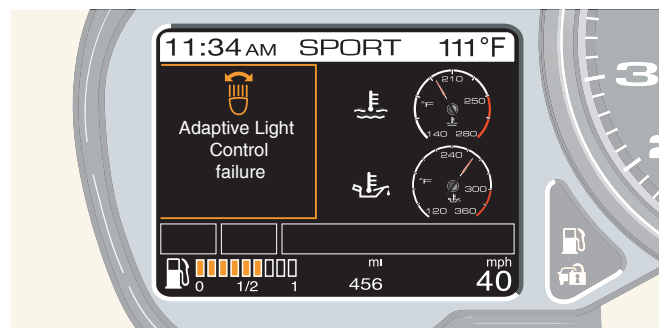


“Adaptive Light Control” function display

When a failure in the adaptive light system is detected on a curve, the warning light flashes and at the same time a message with a special symbol is displayed.

The message is displayed for a set period of time. When this time has elapsed, the screen page disappears but the warning light continues to flash until the situation is corrected.

The next time the engine is started, if the failure persists, the warning light will flash and the same screen page described above will be displayed.

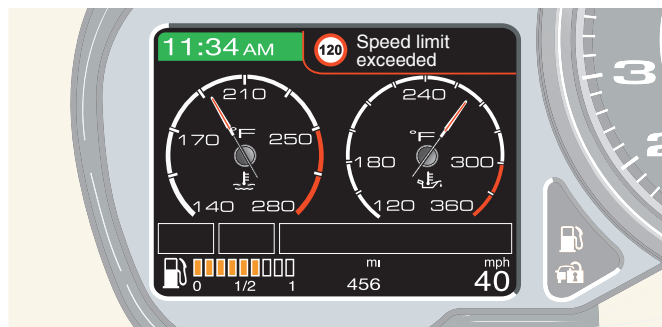


“Speed limit” function display

Using the menu, you may set a speed limit between 19 and 155 mph (30 and 250 km/h) with steps of 3 mph (5 km/h) which, if exceeded, activates the following procedure that warns the driver.

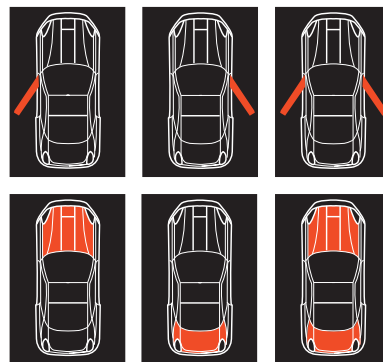
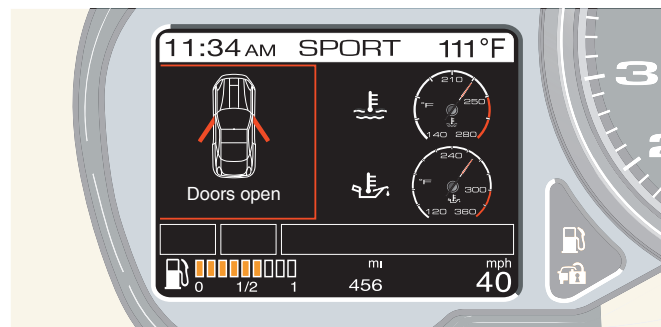
A symbol and “speed limit exceeded” message appear at the top right of the display accompanied by an acoustic signal.

Once the warning cycle has ended, the message disappears whereas the symbol only disappears when the vehicle speed decreases 3 mph (5 km/h) below the set limit.



“Doors/Engine or luggage compartment lid open” function display

When the doors, the engine compartment or the luggage compartment are open, a screen page is displayed in which the doors/lids which are open at the same time are highlighted.

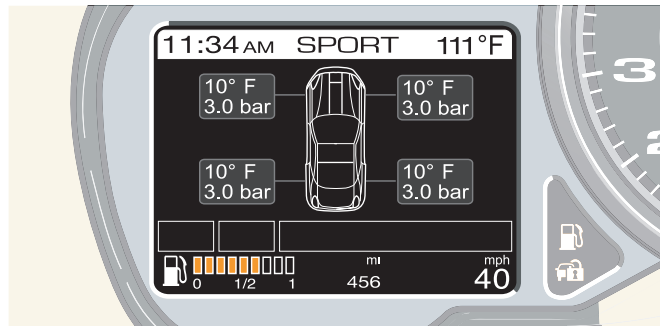


“Tire pressure and temperature” display

The screen page showing the pressure and temperature values of each tire can be accessed using the “Display” button.

When the on-board instrument panel receives the signal from the tire pressure ECU that the pressure level of one or more tires is below the alarm threshold, a different screen page will appear depending on whether the value is low on one or more tires.

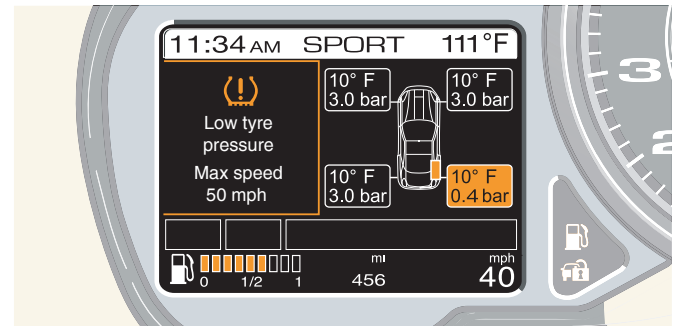
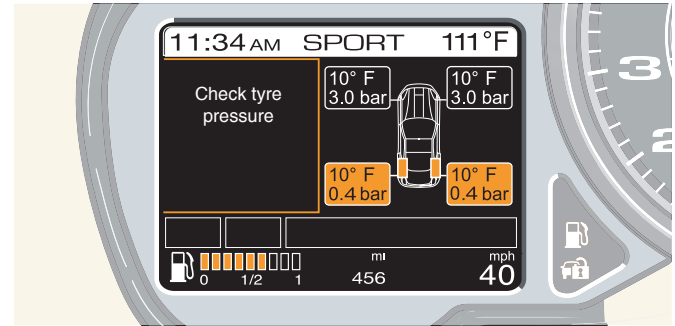
Refer to “Tire pressure and temperature monitoring system” on page 101.



“Tire puncture” display

When the pressure level of one or more tires is below the alarm threshold, regardless of the current display configuration, the warning light illuminates permanently and a message and special symbol are displayed for vehicles fitted with normal tires while an additional symbol is displayed for those vehicles fitted with Run Flat tires.

Refer to “Tire pressure and temperature monitoring system” on page 101.



“Automatic Vehicle Holding” AVH system display

The AVH system is an integration of the EPB electronic parking brake. It is designed to block the calipers when the electronic parking brake is applied in certain situations: in this way, the deactivation of the parking brake with the aid of the AVH system is faster than deactivation by means of the EPB system only.

When the AVH system is activated, the word “HOLD” appears on the gear display.

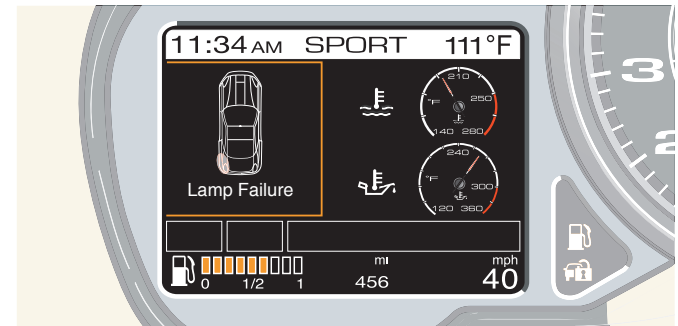


External lights failure display

The following failures can be displayed:

- 1 Stop lights failure
- 2 License plate lights failure
- 3 Rear fog lights failure
- 4 Running lights failure (front and/or rear)
- 5 Direction indicators failure (front and/or rear).

If one of these failures occurs, a specific message that highlights the faulty light is displayed.



TFT display dimming

The brightness level of the TFT display can be adjusted using the MENU function.

When the MENU screen page is not displayed, it can be adjusted by pressing the UP/DOWN buttons.

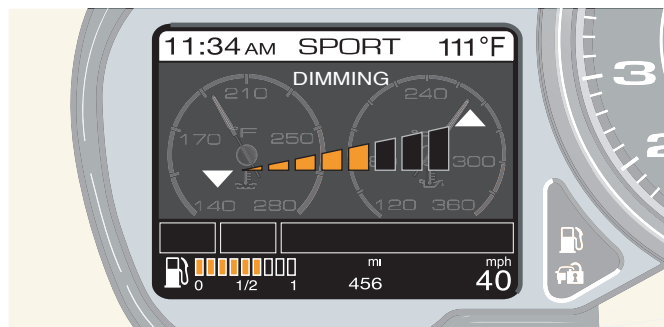
The first time one of the UP/DOWN buttons is pressed, the screen page is displayed. The next time the buttons are pressed, the brightness can be adjusted.

The adjustment made can be seen immediately and does not affect the brightness of the warning lights.

Warning



When using the TFT display and its controls, do not become distracted from driving the vehicle. When possible, perform these operations with the vehicle stationary..



Parking sensors

To help the driver when parking, the vehicle has four sensors in the front (optional) and rear bumpers.

Warning



The system will only operate correctly if the sensors on the bumpers are free of mud, dirt, snow or ice.

When approaching obstacles in front of or behind the vehicle, the sensors help provide the driver information on the distance of the obstacle.

The information on the presence of the obstacle and its distance is transmitted to the driver by way of acoustic signals, which become more frequent as the obstacle approaches, and visual signals on the TFT display.

By integrating direct visual information with the acoustic and visual information generated by the system, the driver can avoid coming into contact with obstacles when parking.

Warning



However, the driver is responsible for parking maneuvers and in other potentially dangerous situations.

The system has been designed only as an aid during parking maneuvers, since it detects obstacles that are outside the driver's range of visibility.

The sensors are therefore not a substitute for the driver's care and attention when parking and checking for the presence of persons or objects.

The parking system sensors in the rear bumpers are automatically activated with the key in position II (Ignition) when reverse gear is engaged.

The rear sensors are also an aid when opening and closing the retractable hard top and reduce the risk of hitting obstacles placed behind the vehicle.

Important note



If distance **B** (see page 125) is less than 15.75 in. (400 mm), the parking sensors will not allow the top to be opened or closed the first time the switch is pressed.

If the vehicle is also equipped with front sensors, only the front sensors can be activated/deactivated using the appropriate switch on the roof panel.

When the sensors are activated, an acoustic signal warns the driver that the system has been activated.

The system then starts to emit acoustic signals as soon as an obstacle is detected which become more frequent as the obstacle approaches.

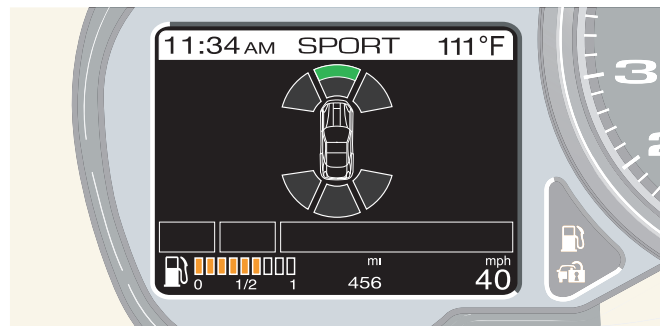
When the obstacles is at a distance of less than 13.78 in. (35 cm) from the bumper, a continuous sound is emitted and the appropriate area becomes red on the TFT display (minimum distance, see page 150).

The acoustic signal stops immediately if the distance from the obstacle increases.

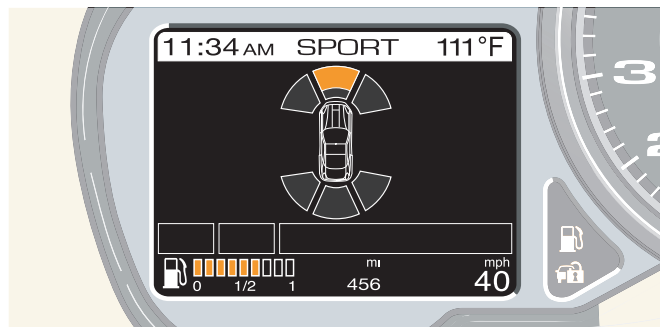
The tone cycle remains constant if the measured distance from the central sensors remains unchanged.

The TFT display indicates the vehicle symbol and the sensor detection zones.

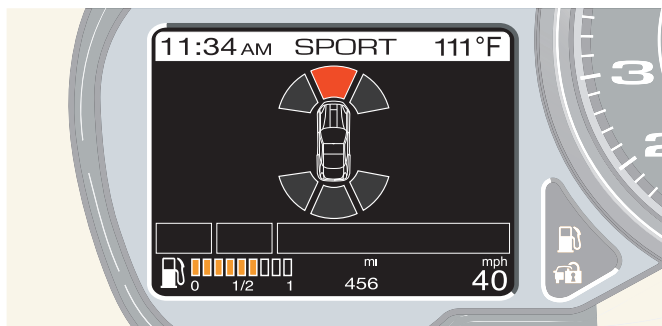
The detection zones indicate which part of the vehicle is approaching an obstacle (front/rear and left, right or center) and the distance from the obstacle (maximum, medium, minimum).



If an obstacle is detected at maximum distance in the central front part, it will be displayed as shown above (green).



If an obstacle is detected at medium distance in the central front part, it will be displayed as shown above (orange).

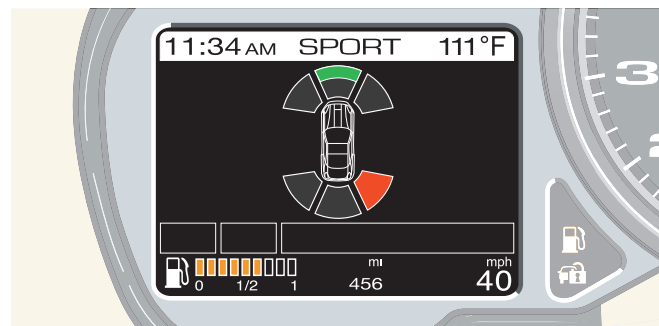


If an obstacle is detected at minimum distance in the central front part, it will be displayed as shown above (red).

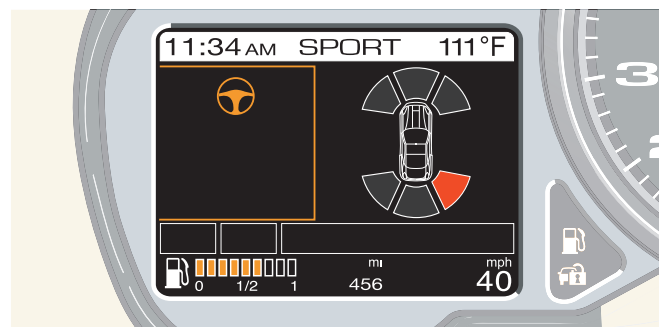
If the rear sensors are activated and the front ones are deactivated or not present, the TFT display does not display the symbols for the front part.

The TFT display can give several items of information at the same time.

If an obstacle is detected at a maximum distance in the front central part and at a minimum distance in the rear right part, it is displayed as follows.



If another failure occurs when the parking symbols are being displayed, the TFT display will also show the message for the current failure and the symbol of the parking sensor symbol will move to the right of the display.



Important note



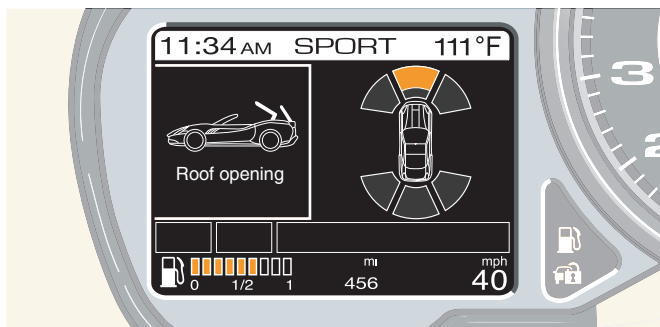
If there is a higher priority failure such as a tire puncture, the TFT display will indicate this failure and the parking sensor symbols will disappear.

Once the failure has been displayed, the parking sensor symbols will go back to the center of the display.

Simultaneous display of parking sensors and other systems

If other systems are activated when the parking sensors are being displayed, the TFT display will show the sensors on the right of the screen and the other active system on the left.

If the hard top is operated, the parking sensor display is deactivated as the sensors will be detecting obstacles that may damage the luggage compartment.



Cleaning the sensors

Warning



When cleaning the sensors, be very careful not to scratch or damage them, avoid the use of dry, rough or hard cloths.

The sensors must be washed with clean water with car shampoo added if necessary.

In car washes that use steam jet or high pressure water cleaning equipment, quickly clean the sensors keeping the nozzle at a distance of over 4 in. (10 cm).

For the repainting of bumpers or retouching the paintwork in the sensor area, contact your AUTHORIZED FERRARI DEALER. If paint is applied incorrectly, it may jeopardize proper operation of the parking sensors.

Sensing range

The system sensors monitor the front and rear of the vehicle, and also the corner areas.

If an obstacle is in the central area, it is detected at distances of approximately 55 in. (1.40 m) depending on the type of obstacle and its size.

If an obstacle is in the side area, it is detected at distances of less than 31.5 in. (0.8 m)

Failure signals

The system ECU checks all the components each time reverse gear is engaged.

A parking sensor system failure is indicated on the TFT display (see page 157).

If there is a failure signal, stop the vehicle and turn the ignition key to position **0** (Stop). Then try and clean the sensors or move them away from any sources of ultrasound emissions (e.g., truck pneumatic brakes or pneumatic drills) and turn the ignition key to position **II** again. In this way, if the cause of malfunctioning has been corrected, the system will start operating correctly again and the failure buzzer will stop.

If the failure buzzer continues, contact your **AUTHORIZED FERRARI DEALER** to have the system checked.

Important note



Obstacles that may damage the luggage compartment (obstacles at distances of less than 15.75 in. (400 mm), see the minimum distance **B** on page 125) are detected only once by the rear sensors prior to hydraulic operation of the hard top. Any obstacles that appear after hard top activation will not be detected.

Important note



The sensors are capable of detecting obstacles with reasonably large, even surfaces (e.g., poles with diameters of over 2.36 in. (60 mm), walls, barriers, trees). Detection is not optimal with obstacles with sharp projections or uneven surfaces.

Important note



When parking and operating the retractable hard top, always be very careful to avoid obstacles that may be above or below the sensors.

Important note



Objects placed close to the rear part of the vehicle are not always detected by the system and may therefore damage the vehicle or be damaged themselves.

Important note



The signals sent by the sensors may also be affected by damage to the sensors caused by dirt, snow or ice on the sensors or by ultrasound systems (e.g., truck pneumatic brakes or pneumatic drills) in the vicinity.

Warning








The driver is responsible for parking maneuvers and in other potentially dangerous situations. The system has been designed only as an aid during parking maneuvers, since it detects obstacles that are outside the driver's range of visibility.

The sensors are therefore not a substitute for the driver's care and attention when parking and checking for the presence of persons or objects.

TFT display and instrument panel warning lights

Priority level 0 (Extremely critical malfunction): is displayed for 20 seconds.

Priority level 1/Priority level 2 (Critical malfunction/ Non-critical malfunction): is displayed for 20 seconds in the center of area **B**. After 20 seconds, the symbol remains displayed in reduced size if there is no specific warning light.

TFT	Warning light	Description and warnings
		Alarm system failure Indicates a fault in the alarm system (priority level 1). The system is not programed (priority level 2). Failure and system not programed (priority level 1). Alarm system failure (priority level 2). Break-in attempted (priority level 2).
		Fuel reserve Indicates that the fuel level is low (priority level 2).
		Battery conditioner connected When the instrument panel is on, it indicates that the battery conditioner is connected (priority level 0).



Inertia switch

Indicates activation of the inertia switch following an accident and the resulting cut-out of the fuel supply (priority level 0).

The hazard warning lights are also automatically activated.



Alternator failure

If the recharging system is faulty.
When the battery is insufficiently charged or overcharged (flashing).



Low windshield washer fluid level

Indicates a low level of washer fluid in the windshield washer tank (priority level 2).



Oil temperature

Indicates that the oil temperature is too high (priority level 0).



Adaptive light system failure

Indicates an adaptive light system failure (priority level 2).



Engine coolant temperature

Indicates that the engine coolant temperature is too high (priority level 0).

Turn off the engine and contact your AUTHORIZED FERRARI DEALER.



Oil pressure

Indicates that the oil pressure is too low (priority level 0).

Turn off the engine and contact your
AUTHORIZED FERRARI DEALER.

Indicates a pressure sensor failure (flashing)
(priority level 2).



On board diagnostic system (OBD)

It indicates a malfunction in the emission control
system and in the ignition/injection system.

After turning the ignition key to position **II**, this
remains illuminated for a normal self-check for
approx. 20 seconds following engine starting.



Cruise Control on

Indicates that Cruise Control has been activated.



Running lights

When the running lights or low beams are turned
on.



Stop lights failure

Indicates a system failure or burning-out of the
STOP light bulb (priority level 2).



Lights failure

Indicates a system failure or burning-out of a bulb
in the running, direction indicators or rear fog
lights (priority level 2).



License plate lights failure

Indicates a system failure or burning-out of the
license plate light bulb (priority level 2).



Rear fog lights

When the rear fog lights are turned on.



Twilight sensor failure

Indicates a twilight sensor failure (priority level 2).



Hard top failure

Indicates a failure in the retractable hard top
(priority level 0).

The type of failure is specified by a special
message on the display.



High beams

When the high beams are turned on.

When the high beams are used to flash.



Right direction indicators

When the right direction indicators are activated.



Left direction indicators

When the left direction indicators are activated.



Hazard warning lights

When the hazard warning lights are activated.



Catalytic converter temperature

If flashing, it indicates that the catalytic converter temperature is too high: slow down until the warning light goes off (priority level 1).

If the warning light remains on without flashing, it indicates that the catalytic converter temperature is excessively high: stop the vehicle as soon as possible (priority level 0).

Contact your AUTHORIZED FERRARI DEALER.

Indicates a failure of the catalytic converter temperature sensor (priority level 0). A failure message is associated with the warning light.



Checking the engine oil level

Indicates a low engine oil level.



Seat heating

Indicates that the seat heating function is activated (front RH/LH) (remains displayed for 5 seconds).



Power steering failure

Indicates that the power steering system is inefficient (priority level 2).

Contact your AUTHORIZED FERRARI DEALER.



ABS

Indicates an ABS system failure (priority level 1).

The standard braking system is still functioning.
Contact your AUTHORIZED FERRARI DEALER.



ASR + CST on

Indicates that the ASR and CST systems are active (priority level 1).



ASR + CST off

Indicates that the ASR and CST systems are deactivated (priority level 1).



ASR/CST failure (flashing warning light)

Indicates an ASR/CST system failure (priority level 1).

Warning



Stop the vehicle avoiding sharp braking. Stop driving and contact your AUTHORIZED FERRARI DEALER immediately.

Warning



The vehicle can still be driven at low speed, max. 25 mph (40 km/h) to leave the road.



CCM brake discs worn

Indicates that the carbon ceramic discs are worn (priority level 2).

Contact your AUTHORIZED FERRARI DEALER to have the brake pads replaced.



ASR/CST system activation (flashing warning light)

Indicates that the CST system has activated (priority level 1).



TPMS System

Indicates a puncture in one or more standard tires (priority level 0).

Warning light connected to the tire pressure monitoring system (priority level 0/2).

Indicates a puncture in one or more Run Flat tires (priority level 2).

Indicates a failure in the TPMS (priority level 2).

Indicates that the TPMS is not activated (priority level 2).

Indicates that the TPMS is not calibrated (priority level 2).



Airbag system failure (flashing warning light)

Indicates a system failure (priority level 0).

Contact your AUTHORIZED FERRARI DEALER.



Driver-side seat belt not fastened

Indicates that the driver-side seat belt has not been fastened (priority level 0) together with an acoustic signal lasting 90 sec.



Passenger-side seat belt not fastened

Indicates that the passenger-side seat belt is not fastened (priority level 0).



Speed limit exceeded

Indicates that the speed set by the driver has been exceeded (priority level 2), the figure shown indicates the set speed.



Brake malfunction

Indicates that the brake fluid is low (priority level 0).

Indicates an EBD system failure (priority level 0).

Indicates an EPB system failure (priority level 0).

Indicates an overhaul of the Parking Brake system (priority level 0).



Rain sensor failure

Indicates a rain sensor failure (priority level 2).



Suspension control system failure

Indicates a malfunction in the suspension control system (priority level 2).

Contact your AUTHORIZED FERRARI DEALER.



Generic failure

Indicates an Airbag warning light failure (priority level 2).

Indicates a Manettino failure (priority level 1).

Indicates an electrical system failure (priority level 2).



TPMS System

Indicates that calibration of the TPMS has been activated.



Brake pad wear

Indicates excessive wear of the brake pads (priority level 2).



Activation of passenger airbag

Indicates that the passenger airbag has been activated.



Deactivation of passenger airbag

Indicates that the passenger airbag has been deactivated.



Parking sensor failure

Indicates a parking sensor system failure (for vehicles equipped with them) (priority level 2).



Telephone

Indicates that the telephone function has been activated for incoming, outgoing or active calls.



Scheduled Maintenance (Service)

Indicates that Scheduled Maintenance service is required.



AVH system

Indicates an AVH system failure.



Ice hazard

Indicates that the outside temperature is 3 °C (38 °F) or lower, highlighting the risk of icy road surfaces.

Drive carefully and slow down as the grip of the tires is significantly reduced.

Warning



In this condition, do not activate “SPORT” mode.



PARK

Parking brake

Indicates that the parking brake is engaged.



Gearbox failure

Indicates a system failure (priority level 1).

Contact your **AUTHORIZED FERRARI DEALER**.

Electronic speedometer

It indicates the vehicle speed.

At a speed between 0 and 3 mph (0 and 5 km/h), the indicator may remain idle. With higher speeds, it indicates the speed measured.

Tachometer

The electronic tachometer indicates the engine RPM. Avoid engine speeds in the red sector.

Gearbox display

The Gear display is located to the bottom right of the tachometer; with the ignition key in position **II**, it displays the following information:

Gear engaged (DCT gearbox)

“Auto” gearbox mode (DCT gearbox)

“Auto easy exit” gearbox mode (DCT gearbox);

Performance

AVH system activated.

Important note



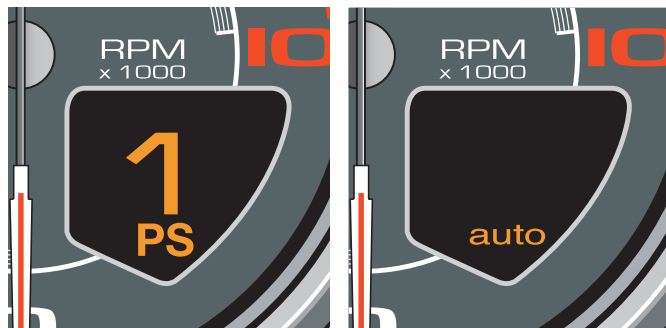
Information on the gearbox is useful in all operating conditions.



Gear engaged (DCT gearbox)

Indicates the engaged gear

N	Neutral
R	Reverse
1	1 st gear
2	2 nd gear
3	3 rd gear
4	etc.....
PS	Performance Start mode
Auto	Automatic gearbox mode
Auto▼	Auto easy exit gearbox mode



When the DCT gearbox is used in “manual” mode and gears are selected using the steering column paddles, the number indicating the engaged gear appears in the center of the gear display.

When the DCT gearbox is used in “auto” mode, the number indicating the engaged gear appears on the gear display: N (Neutral), R (Reverse).

At key-off, if the control panel reads N (Neutral), the letter N is displayed whereas if a gear is engaged, the letter P (Parking) is displayed.

“Auto” gearbox mode

When the DCT gearbox is used in “auto” driving mode, the word “AUTO” number appears on the gear display as well as the engaged gear.

“Auto easy exit” gearbox signal

At each key-on, the “auto easy exit” signal is displayed.

A small arrow pointing downwards is illuminated on the gear display.

“Performance Start” mode

When the Performance Start function is required, by pressing the appropriate button (see page 180), the word “PS” appears on the gear display until the key is turned to off or until the function is activated.

AVH system activated

When the AVH system is activated, the word “HOLD” illuminates on the gear display.

Roof panel controls

Deactivating the alarm system motion sensors.

Press button **H** to deactivate the anti-lifting alarm system.

Press button **H** again to activate the anti-lifting alarm system.

When this feature is deactivated, the LED on the button flashes for about 3 seconds and then turns off.



Controls on the steering wheel

Start button

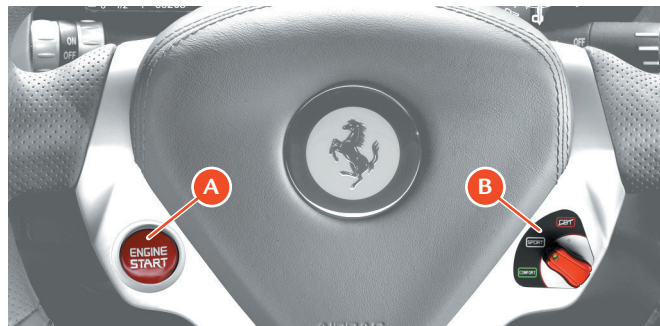
Press the ENGINE START button **A** to start the engine. When the engine has started, release the ENGINE START button.

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

Driving mode control switch “Manettino”

The driving mode selected does not exempt the driver from complying with the rules of safe driving.

The driver can select the driving mode using the “Manettino” **B**, according to the desired driving style.



Important note



In the event of a failure of one of the onboard systems, signaled by the appropriate warning light on the TFT display, the system moves to a “recovery” mode, but still allows the vehicle to be driven. In these cases, contact your **AUTHORIZED FERRARI DEALER**.

Driving modes that can be selected with “Manettino”

COMFORT mode

This mode provides optimal comfort conditions. It is recommended for everyday driving.

SPORT mode

This is the ideal setting for vehicle performance.

Select **SPORT** mode for sports-style driving, under high-grip conditions.

Activation will be signaled by the **SPORT** icon in the dedicated area on the TFT display.

CST-OFF mode

Select this mode to deactivate the CST system (always active when the engine is started).

When the system is deactivated, the appropriate warning light **A** illuminates on the instrument panel and the appropriate ASR/CST failure warning light will be shown on the TFT display for 5 seconds.

When the CST feature is active, the warning light **A** starts flashing on the instrument panel and the appropriate warning light on the TFT display illuminates.

Important note



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

When the **CST** system is active and the orange warning light illuminates, it means that there is a fault in one of the **CST** system components.

Important note



Every time the engine is started, the **CST** system will reactivate.

Important note



The **CST** system reactivates automatically, even in **CST** mode when the brake pedal is depressed.

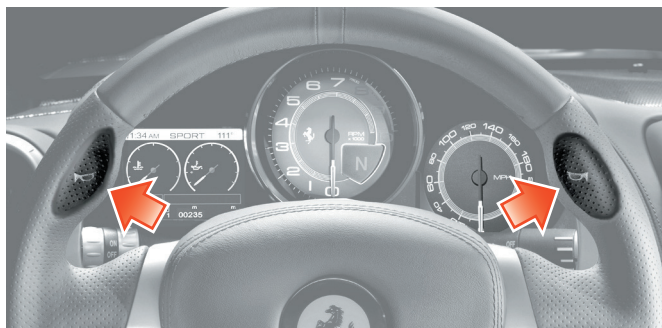
Warning



When the **CST** system is deactivated there is no stability control other than those systems which cannot be deactivated (**ABS** and **EBD**).

Horn control

The horn can be used by pressing the horn symbol, on either side of the steering wheel upper rim.



“UP” shift paddle

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

“DOWN” shift paddle

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



Windshield and headlight washer/wipers

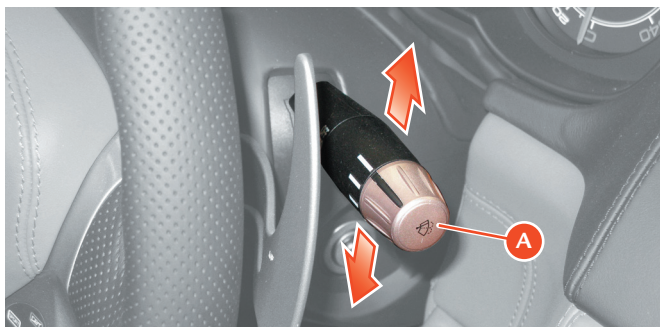
Important note



The windshield wipers and washer work only with the ignition key in position II.

The lever **A** has 5 settings:

- OFF** Windshield wipers stationary.
- AUTO** Automatic operation. In this position, the rain sensor sensing range can be adjusted (lever pushed down to first click position).
- 1** Slow continuous operation (lever pushed down to second click position).
- 2** Fast continuous operation (lever pushed down to third click position).
- Lever up** Fast temporary operation (automatic return).



Windshield washer

This is activated by pulling lever **A** towards the steering wheel (automatic return).

When the windshield washer is activated, the windshield wipers start automatically.

Releasing the lever stops the jet of fluid while the blades continue to wipe for a short time.

Warning

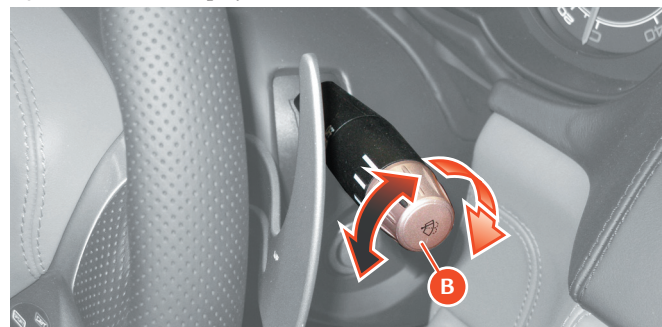


Do not start the windshield washer during the cold months until the windshield has warmed up. If it has not warmed up, the fluid could freeze on the glass and block the view.

Headlight washer (optional)

The headlight washer is activated automatically when the windshield washer is operated and the low beams are on.

The headlight washer and windshield washer share the same fluid tank and a low fluid level is indicated by the appropriate warning light on the TFT display.



Cruise control

This is an electronically controlled device which is designed to assist you to drive the vehicle at a constant speed from 18.6 mph (30 km/h) - 124 mph (200 km/h) without keeping the accelerator pedal depressed.

Important note

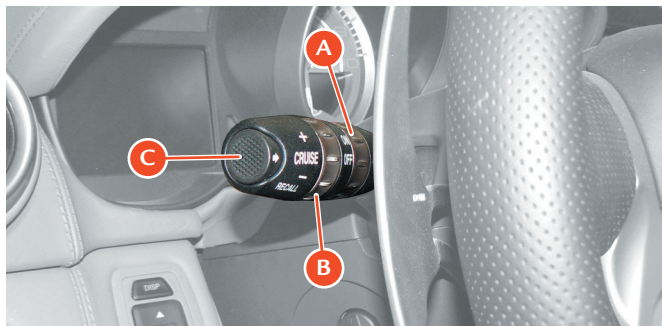


We recommend using the device on long, dry roads requiring few gear changes (e.g., highways).
Do not use the device for city driving.

Activating the device

Turn control **A** to the **ON** position.

When it is activated, the appropriate warning light (see page 154) illuminates on the instrument panel and a warning light and associated message appears on the TFT display.



The device can only be activated in 4th or 5th, 6th, 7th gear. When driving downhill with the device on, the vehicle speed may increase slightly with respect to the speed memorized.

Memorizing the vehicle speed

Proceed as follows:

- turn the control **A** to **ON** and bring the vehicle to the desired speed by pressing the accelerator pedal
- turn the control **B** upwards (+) for at least three seconds, then release it: the vehicle speed will be memorized and you can release the accelerator pedal

If necessary, you can accelerate by depressing the accelerator pedal: when the pedal is released, the vehicle will return to the speed already memorized.

Resetting the memorized speed

If the device has been turned off by pressing the brake pedal or clutch, for example, to reset the memorized speed, proceed as follows:

- gradually accelerate until the vehicle reaches a speed that approaches the speed memorized
- engage the gear selected when the speed was memorized and press the Recall button **C**.

Increasing the memorized speed

This can be done in two ways:

- by depressing the accelerator and memorizing the new speed reached
- or
- turning the control **B** upwards (+).

Each time the control is turned, this causes a speed increase of approximately 1.24 mph (2 km/h) whereas if the control is turned up and held the speed increases continuously.

Reducing the memorized speed

This can be done in two ways:

- by deactivating the device and then memorizing the new speed or
- by turning the control **B** down (-) until the new speed that will be automatically memorized is reached.

Each time the control is turned this will cause a speed decrease of approximately 1.24 mph (2 km/h) whereas if the control is turned down and held the speed decreases continuously.

Deactivating the device

Turn the control **A** to **OFF** or the ignition key to position 0. The device is then automatically deactivated in one of the following ways:

- by pressing the brake pedal or the clutch.

Warning



While driving with the device activated, do not put the shift paddle in neutral.

Warning



If the device is malfunctioning or faulty, turn the control to OFF and contact your **AUTHORIZED FERRARI DEALER**.

Rain sensor

The rain sensor is designed to automatically adjust the windshield wiper timing to the intensity of the rain during intermittent operation.

All other functions controlled by the right-hand lever are unaffected.

The rain sensor automatically activates when the right-hand lever is moved to **AUTO** and it has a range of adjustment which goes from “wiper stationary” (when the windshield is dry) to “fast continuous operation” (with heavy rain).

To adjust the frequency of intermittent operation, with the lever set to **AUTO**, turn the control **C**.

Turning the control counterclockwise, intermittent operation varies from a maximum (fast intermittent operation) to a minimum (slow intermittent operation).

Important note



The rain sensor function is reset by turning the ignition key to position **0** and also by leaving the right-hand lever in position **AUTO**. To reactivate it, turn the control to OFF and then again to **AUTO**.

Warning



Before cleaning the front windshield (for example in service stations) make sure the rain sensor is deactivated or that the key is at position 0. The rain sensor must be deactivated also when washing the vehicle by hand or in automatic car washes.

In case of ice or snow on the front windshield, do not activate the rain sensor to avoid damaging the wiper motor and/or blades.

Rain sensor failure

In the event of a malfunction occurring when the rain sensor is active, the wipers will be set to intermittent operation and the sensing range will be set by the driver, whether there is rain on the windshield or not. In this case, we recommend that you deactivate the rain sensor and turn on the wipers, if necessary, in continuous mode.

Important note



If the rain sensor should malfunction, contact your AUTHORIZED FERRARI DEALER as soon as possible.

Driving the vehicle

Breaking-in period

The latest manufacturing techniques have allowed us to achieve high precision and accuracy levels in the construction and assembly of components. Nonetheless, the vehicle's moving parts undergo a settling process, basically during the first hours of operation.

Engine and transmission

Avoid exceeding 5000 RPM for the first 620 mi. (1000 km).

After starting, do not exceed 4000 RPM until the engine has warmed up (oil temperature: 149-158 °F (65-70 °C)).

Do not let the engine run at a constantly high speed for a prolonged time.

Warning



BEFORE YOU DRIVE

Check that the seat belts are fastened

Check that the doors are closed

Check that the seat is properly adjusted

Check the rear-view mirror adjustment (center and sides).

Before a trip

Preliminary checks

Check the following at regular intervals and always before long trips:

- tire pressure and condition
- levels of fluids and lubricants
- condition of the windshield wiper blades
- proper functioning of the warning lights and external lights.

Important note



In any case, it is advisable to perform these checks at least every 620 mi. (1000 km) and always comply with the maintenance schedule.

It is also advisable to:

- clean the glass covers of the external lights and all the glass surfaces
- properly adjust the mirrors, steering wheel, seats and seat belts.

Refilling

Warning



Use unleaded fuel only!

Using leaded fuel would permanently damage the catalytic converters.

For specifications and quantities of lubricants and fluids, observe the information in the “Recommended Lubricants and Fluids” table.

Starting and driving the vehicle (DCT gearbox)

System start-up

When the ignition key is turned to position **II**, the gearbox display is activated and the failure warning light **A** illuminates. The warning light will turn off if no problems are detected within a few seconds.

The letter P (Parking) or N (Neutral) will remain highlighted on the display.



Important note



BEFORE YOU DRIVE

If the warning light **A** continues flashing without going off, turn off the system and wait for the gear display to go off before restarting.

If the failure persists, contact your **AUTHORIZED FERRARI DEALER**.

If the warning light **A** is faulty, a warning light will illuminate the TFT display (see page 157) and this condition will be indicated by an acoustic alarm when the ignition key is turned to position **II**.

Warning



Contact your **AUTHORIZED FERRARI DEALER**.

Operation with the engine off

Important note



The vehicle is equipped with an electro-hydraulically controlled gearbox system by means of paddles on the steering wheel. The default setting for the DCT gearbox is always “Auto” mode. Every time the vehicle is started, the DCT gearbox is in “Auto easy exit” mode unless the vehicle was in “Auto” mode when it was turned off.

To exit the “Auto easy exit” mode, operate the **UP** or **DOWN** paddle (while the vehicle is moving) or press the **AUTO** button on the center console.



Once the “**System start-up**” stage has been completed, the engaged gear will appear on the gear display:

N (Neutral)

P (Parking);

R (Reverse);

1 (1st gear);

2 (2nd gear), etc.

Important note



Immediately release the **UP** and **DOWN** paddles and the button **R** after the display shows that the gear has been engaged; a prolonged maneuver will cause the failure warning light to illuminate (see page 157) and triggering of the buzzer.

Important note



If the engine compartment lid is open or not properly closed, none of the gears can be engaged. When the vehicle is stationary, with the driver-side door open or not properly closed and the brake pedal released, the system disengages the gear selected after approximately two seconds.

Starting the engine

Before starting the engine, make sure that the alarm system and the electrical devices involving high power absorption are deactivated.

- Make sure that the electric parking brake is applied and that the doors are closed.
- Hold the brake pedal down when starting the engine.

Warning



Do not depress the accelerator pedal.

- Turn the ignition key to position **II** and wait for the “**Check**” icon to appear on the TFT display.
- If the “**Check**” symbol does not appear, turn the key back to position **0**, wait a few seconds and repeat the procedure.
- Press the **ENGINE START** button (see page 146) and release it as soon as the engine starts.
- After the engine has started, the “**Check OK**” symbol will appear.

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

If the engine does not start, turn the key back to position **0** and wait for the gear display to go off before retrying.

Warning



Hold the brake pedal down while starting the engine.

If the engine does not start, turn the key back to position **0** and wait for the gear display to go off before repeating the operation.

If the engine fails to start after several attempts, check for one of the following causes:

- insufficient speed of the starter motor (dead battery)
- ignition device faulty
- electrical contacts faulty
- fuel pump fuses blown.

Warming up the engine

Do not run the engine at high speeds until the engine oil temperature has reached at least 149-158 °F (65-70 °C), approximately.

Starting the vehicle

With the engine started, the vehicle stationary and the brake pedal pushed, pull the right-hand “**UP**” paddle towards the steering wheel to engage **1st** gear.

Release the brake pedal and depress the accelerator to start off.

With the engine running and the vehicle stationary, you can change directly from **1st** or **2nd** gear to “**R**” (reverse) by pressing **R** and from reverse to **1st** by moving the “**UP**” paddle.

Warning



If the “**UP**” and “**DOWN**” paddles are not working, the message “Depress brake pedal and press PS to engage gear” will appear on the TFT display. You can therefore engage the gear by pressing the Performance Start button (see page 180) and the brake pedal. In these cases, the Performance Start function is not available.

If the engaged gear was **R**, the Performance Start button must be pressed twice to engage **1st** gear.

Important note



When reverse is selected, an acoustic safety signal beeps intermittently as long as “R” is engaged.

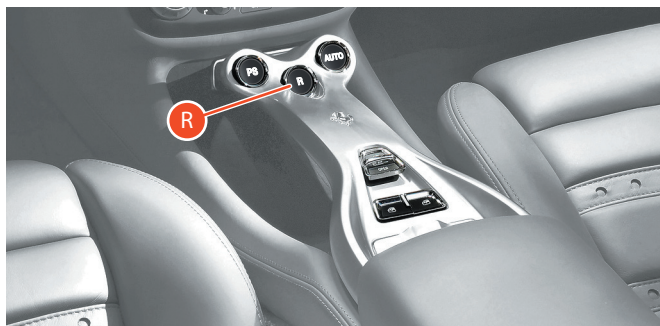
If the system automatically selects 2nd gear when attempting to shift from **R** to 1st gear, this indicates that 1st gear has jammed. Therefore, this is not a malfunction, as it falls within the system operation logic. For the same reason, when shifting from 1st gear to “**R**”, the system will automatically engage “**N**” if the gear has jammed.

During prolonged stops with the engine running, it is advisable to keep the gearshift in “**N**”.

Important note



On downhill stretches, if you allow the vehicle to move forward in **N**, when **UP** or **DOWN** is requested, a gear will be engaged that corresponds to the speed of the vehicle.



UP-shifting

Use the right-hand “**UP**” paddle without releasing the accelerator pedal.

An **UP-shift** request is not accepted when engagement of the requested gear forces the engine to underrev or if an **UP-shift** is already in progress due to engine overrevving.

Gearshifting will be much quicker if the request is made with the accelerator pedal depressed and the engine at over 5,500 RPM.

In any event, it is advisable to:

- Shift gears without releasing the accelerator pedal if depressed.
- Wait until gearshifting has been completed before requesting the next shift, avoiding a rapid sequence of multiple requests.

UP-shifting due to overrevving

The system is designed to “**automatically**” engage a higher gear if the accelerator pedal is depressed and the engine approaches the maximum RPM (overrevving).

Important note



This condition does not occur with the system in “**SPORT**” mode.

DOWN-shifting

Use the left-hand “**DOWN**” paddle, even without releasing the accelerator pedal.

A **DOWN-shift** request is not accepted if engagement of the requested gear forces the engine beyond a certain RPM, depending on the gear requested, or if a **DOWN-shift** is already in progress due to engine underrevving.

In any event, it is advisable to:

- Shift gears without releasing the accelerator pedal if depressed.
- If “**DOWN-shifting**” is requested to start overtaking which requires quick acceleration, press the accelerator pedal just before using the paddle.
- Wait until gearshifting has been completed before requesting the next shift, avoiding a rapid sequence of multiple requests.

“DOWN-shifting due to underrevving”

- The system down shifts “**automatically**” if the engine goes below a minimum number of RPM (1250 RPM).
- The **DOWN-shift** request from the paddle is ignored if gearshifting is already in progress due to engine underrevving.

“N” (Neutral) request

If necessary, “**N**” can be requested at any speed.

Subsequently, if an “**UP**” or “**DOWN**” shift is requested, the system will engage the gear most suited to the speed of the vehicle.

Turning off the engine

The engine can be turned off either with the gearbox in “**N**” or with a gear engaged.

After turning the ignition key from position **II** to position **0**, the display will remain on for a few more seconds to display the gear engaged. If the gearbox is in “**N**” a buzzer will sound.

Warning



Never leave the vehicle with the gearbox in “**N**”. Make sure that the letter “**P**” appears on the display.

Warning



Never leave the vehicle with the engine running.

Important note



If the vehicle is not in Parking mode (“**P**” must be displayed on the gear display), the key cannot be removed.

For information on the electronic parking brake, see page 181.

“Auto gearbox” mode

This mode is activated (or deactivated) using the **AUTO** button; the word “**AUTO**” will illuminate on the gear display and the system will automatically adjust **UP-shifting** and **DOWN-shifting** according to the vehicle speed, engine RPM and torque/power requested by the driver.

Gearshifting is possible using the “**UP**” and “**DOWN**” paddles but the system remains in “**Auto**” mode.

To exit “**Auto**” mode, you must press the **AUTO** button until the “**Auto**” warning light turns off.

When the vehicle stops, the request for “**N**”, **1st** or “**R**” does not change the mode from “**Auto**” to “**Normal**”.



“Auto easy exit” gearbox mode

The vehicle is always started in “Auto easy exit” mode, unless it was turned off with the gearbox in “Auto” mode.

Activation is indicated by the word **AUTO ▼** on the gear display on the instrument panel.

The system will automatically UP-shift and DOWN-shift according to vehicle speed, engine RPM and the torque/power requested by the driver.

In “Auto easy exit” mode, if you operate the **UP** and **DOWN** paddles (while the vehicle is moving) the system will exit “Auto” mode and switch to “Manual” mode.

If the “Auto” gearbox mode is then requested by pressing the **AUTO** button, the system will apply all the characteristics of “Auto” gearbox mode.

Push start

Warning



Starting the vehicle by means of push starting is not allowed.

Safe driving techniques

It is essential that the driver be aware of the best driving techniques suited to various circumstances. Always try to prevent dangerous situations by driving with caution.

Before you drive

- Adjust the position of the seat, steering wheel and rear-view mirrors, in order to obtain the best driving position.
- Adjust the backrest so that your chest is upright and your head is as close to the headrest as possible.
- Carefully adjust the headrest so that your head, and not the neck, is resting against it. Ensure that nothing (e.g., mat covers, etc.) is blocking the pedals.
- Check that all lights including the headlights are working properly.
- Ensure that any child restraint systems (e.g., child seats, etc.) are properly fixed on the passenger seat.
- Your reflexes are quicker if you eat lightly before driving: avoid heavy meals before a trip.
- Do not drink alcoholic beverages before and during the journey.

At regular intervals, check the following:

- Tire pressure and condition
- Engine oil level
- Engine coolant level and system condition
- Brake fluid level
- Steering fluid level
- Windshield washer fluid level.

While traveling

- Caution is the number one rule for safe driving, which also means you should take other people's behavior into consideration.
- Follow the road regulations in force in the state or province you are driving in and always respect the speed limit.
- Always make sure that the driver and the passenger have their seat belts fastened and that all children are traveling in suitable child seats.
- Good personal physical conditions help ensure you can drive long distances safely.

Warning



Driving under the influence of drugs, alcohol, or certain medications is dangerous to yourself and others.

Traveling without your seat belt fastened increases the risk of serious injury or death in the event of a collision. Always fasten the seat belt and the child seat, if any.

The passenger's airbag is deactivated if BabySmart™ child restraint system is fitted on the front seat.

Do not travel with objects lying around on the floor, especially in front of the driver's seat: in the event of braking, these could slide under the pedals, making it difficult or impossible to brake or accelerate.

Additionally, ensure that the floor mats fit correctly.

Water, ice and salt spread on icy roads may deposit on the brake discs and reduce the efficiency of the initial braking.

- Make regular stops to loosen up your limbs and refresh yourself and avoid driving for hours on end.
- Keep a constant air circulation in the passenger compartment.
- Never coast downhill with the engine off: in these conditions the engine brake, servo brake and power steering are inefficient, braking requires greater pressure on the pedal and steering will be harder.

Driving at night

When you are traveling at night, follow these fundamental rules:

- Reduce speed, particularly on dark roads.
- Driving conditions are more demanding at night, so take particular care.
- If you start feeling tired or sleepy, stop immediately: to continue driving would be a risk for yourself and for others. Continue only after you have had a rest.
- At night, it is difficult to evaluate the speed of the vehicles in front of you by seeing their lights only: keep at a greater safety distance than you would during the day.
- Use the high beams only outside of urban areas and when you are sure that they will not disturb other drivers.
- Turn off the high beams when you see oncoming vehicles and use the low beams.
- Keep the lights and headlights clean.
- Watch out for animals crossing the road when travelling outside urban areas.

Driving in the rain

Rain and wet roads can cause hazardous situations.

All maneuvers are more difficult on a wet road, as the tires have significantly less grip on the road. This means that the braking distances increase considerably and road-holding decreases.

Below is some advice for driving in the rain:

- Keep a greater safety distance between yourself and the other vehicles and reduce your speed.

- When it is raining very hard, visibility is also reduced. In these cases, to make yourself more visible to others, turn on the low beams even during the day.
- Do not drive through puddles at high speeds since you do not know how deep they may be. Traveling through a puddle at high speed can result in losing control of the vehicle (“aquaplaning”): if this occurs, grip the steering wheel firmly.

Warning



If the road is wet, reduce your speed to avoid “aquaplaning”, during which the tire no longer touches the road surface. This is due to the fact that, when the road is very wet and the vehicle speed is high, because of their particular shape or insufficient depth, the side channels of the tire tread are not capable of removing all of the water channelled so that a layer of water is placed between the road surface and the tire. The fluid pressure generated is so high that it supports the vehicle weight, making it virtually impossible for the driver to control the vehicle.

- Use the ventilation system to demist the windshield (see page 188) and avoid visibility problems.
- Periodically check the condition of the windshield wiper blades.

Driving in fog

Whenever possible, avoid driving if the fog is thick. If you have to drive in misty conditions, or if there is thick fog or fog banks, follow these rules:

- Keep a moderate speed.
- Turn on the low beams, also during the day, and use the rear fog light. Avoid using the high beams.

Warning



On roads where visibility is good, turn off the rear fog light, it may be annoying for the occupants of the vehicles behind you.

- Remember that fog makes the road damp and therefore all maneuvers are more difficult and braking distances are longer.
- Keep a safe distance from the vehicle in front of you.
- As far as possible, avoid suddenly changing speed and direction.
- As far as possible, avoid overtaking.
- In the event of an emergency stop, (e.g., failures, inability to proceed due to poor visibility conditions, etc.) try to leave the main driving lane. Then turn on the hazard warning lights and, if possible, the low beams. On approaching another vehicle, sound the horn rhythmically.

Driving on mountain roads

Below is some advice for driving on steep mountain roads:

- To prevent the brakes from overheating when driving downhill, use the engine to brake by engaging a lower gear.
- Never coast downhill or drive downhill with the engine off or in neutral, nor with the ignition key removed from the steering column.
- Drive at a moderate speeds and do not “cut” corners.
- Remember that overtaking uphill is slower and requires a longer free stretch of road. If you are overtaken when driving uphill, ensure that the other vehicle can pass easily.

Driving on snowy or icy roads

Below is some advice for driving in these conditions:

- Keep a very moderate speed.
- Keep a safe distance from the vehicles in front of you.
- Fit snow tires approved for the vehicle.
- Given the poor grip, use the engine brake as much as possible and avoid sudden braking.
- Avoid sudden acceleration and sharp changes in direction.
- During the winter season, even apparently dry roads can have icy sections.
- Be careful when driving along stretches of road in the shade as there may be icy patches.

Driving with the “ABS” braking system

The ABS system assists the driver as follows:

- It is designed to help prevent the wheels from locking and skidding during emergency braking, particularly in low-grip conditions.
- It is designed to allow braking and changing direction at the same time. This feature is affected by the physical limits and lateral grip of the tires.
- When the ABS is activated, you will feel a slight pulsing of the brake pedal during emergency braking or in low-grip conditions. This is normal. Do not release the pedal but continue to depress it to give continuity to the braking action.
- The ABS prevents the wheels from locking, but it does not increase the physical limits of grip between the tires and the road: keep a safe distance from the vehicles ahead and reduce your speed before curves.

Driving using the driving mode control switch (“Manettino”)

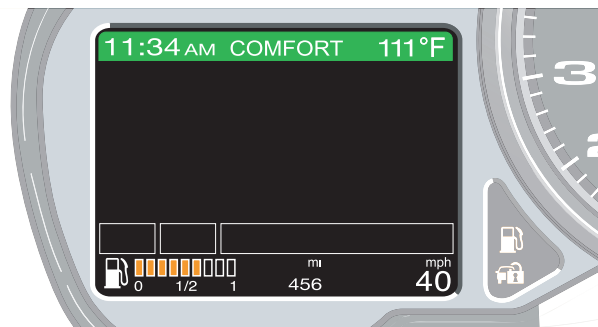
The driving mode control switch **A** on the steering wheel is designed to allow the driver to use the three modes available which can be selected according to the grip level (from low to high) and consequently the level of driving assistance required (from high to none).

- **COMFORT** mode provides optimal comfort in all conditions and particularly in low grip situations. It is recommended for everyday driving.

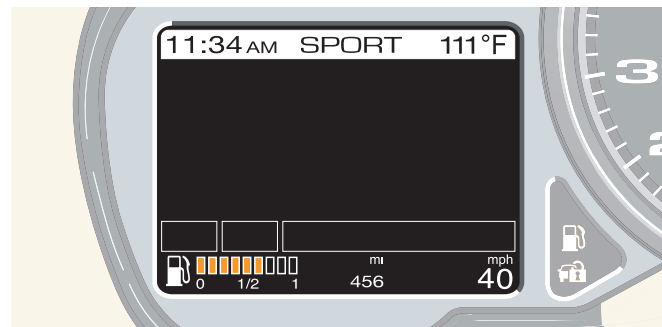
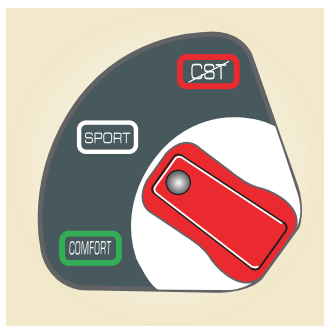
If COMFORT mode is selected, this is indicated on the TFT display as shown in the example:

- **SPORT** mode is the vehicle driving mode that provides an optimal compromise between stability and performance. This setting helps ensure stability only in medium- to high-grip conditions and not on low-grip road surfaces (in this case, it is advisable to return to **Low Grip** mode). In this mode, the vehicle maximum performance can be experienced on open roads.

For this reason, the suspension damping level is shifted to a higher one, so as to enhance performance, handling and stability at high speeds.

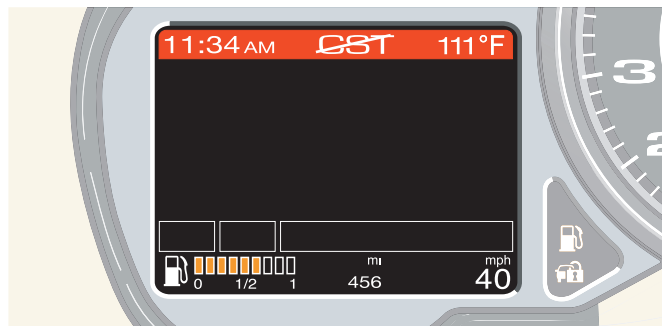


If SPORT mode is selected, it is indicated on the TFT display as follows:



- The CST is deactivated. Vehicle stability is no longer controlled, but is completely in the hands of the driver. The only auxiliary systems still active are those that cannot be deactivated such as ABS and EBD.

If CST mode is deactivated, it is indicated on the TFT display as follows:



Park Lock

The Park Lock is a locking device incorporated in the gearbox.

This device is used to prevent the vehicle from moving when the multi-disc clutches are open, i.e., with the engine off and/or without the hydraulic pressure required for the gearbox.

This device operates automatically every time the key is turned to off and the letter “P” illuminates on the gear display.

If there is a system failure, refer to “Emergency unlocking of Park Lock” on page 214.

Carwash procedure

The Park lock emergency device can be electronically deactivated on a temporary basis by performing the Carwash procedure.

This procedure is necessary when the vehicle has to be moved with the engine off and when washing the vehicle.

Warning



When the Park Lock safety device is electronically disabled (Carwash procedure), the vehicle may move unexpectedly!

The vehicle is only kept stationary by the parking brake, which must be applied.

- With the engine running, select first gear
- Select neutral “N”
- Turn off the engine
- Turn the key to key-on 3 seconds after turning off
- The message “Carwash mode activation” will appear on the TFT display.

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

Position II - Ignition

Turning the key to this position, the TFT display will check the signals coming from the vehicle systems.

If no malfunctions are found after starting up, the words “**Check OK**” will be displayed.

Warning

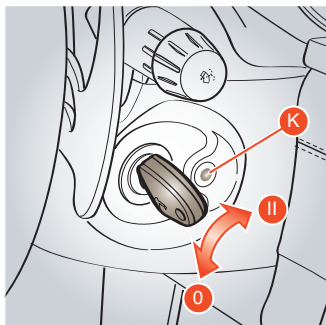


Always remove the key from the ignition when you get out of the vehicle!

Never leave children unattended in the vehicle.

Key lock

If more than 20 seconds elapse after turning the key to position 0, the key lock device must be released to remove the key: press button **K** and remove the key at the same time.



Performance Start

The Performance Start function helps provide the vehicle with a sportier acceleration. The device transfers the necessary torque to the ground and avoids skidding of the wheels during acceleration. “Performance Start” mode is activated as described below:

- the vehicle must be stationary
- the gearbox must be in manual mode
- select first gear
- press button **P** to the left of the center console
- depress the accelerator pedal and release the brake pedal.

Warning



We recommend that Performance Start only be used in a controlled environment (e.g., on a race track).

Important note



The Performance Start function is not available in presence of a sloping road surface, even slight, or high clutch temperatures.



EPB - Electronic parking brake

The parking brake is controlled by a small electric motor.

It can be applied and released using control **A** on the dashboard, to the left of the steering wheel.

The brake is designed to automatically activate when the engine is turned off and can be temporarily deactivated by pressing button **B**.

Pushing down the brake pedal and pressing button **A** deactivates it automatically.

The electric parking brake can operate as an emergency brake when the vehicle is in motion.

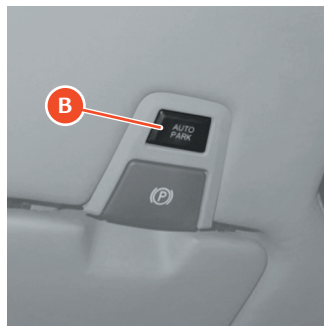
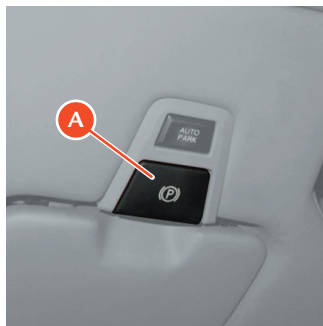
If this is the case, the electric parking brake communicates with the ESP system to prevent locking. The warning light will turn off when the parking brake is fully released.

Warning



Always apply the parking brake when the vehicle is parked.

If the parking brake should fail to function, please contact your **AUTHORIZED FERRARI DEALER**.



Seat adjustment

Warning

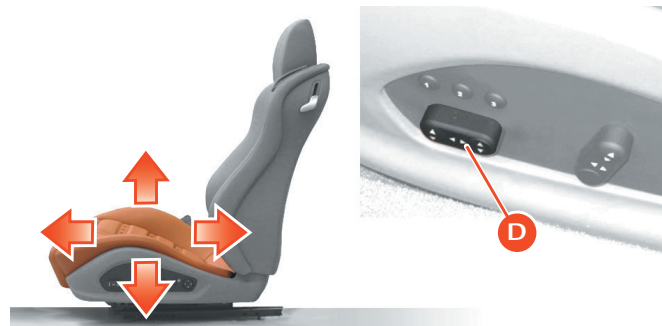


Never adjust the seat while driving; you may lose control of the vehicle. Adjust the driver's seat only when the vehicle is stationary.

Correct adjustments are very important for enhanced driving comfort and for optimal efficiency of the passive safety systems. The seat position can be electrically adjusted using the special controls.

Three adjustments are possible using control **D**:

- forward/backward adjustment: push the control forward or backward
- height adjustment: push the control upward or downward
- seat inclination (tilting): push the front end of the control upward or downward to adjust the inclination of the front part of the seat cushion; push the rear end of the control upward or downward to adjust the inclination of the rear part of the seat cushion.



Seat back rake adjustment

Use control **E** to adjust the seat back rake. Push the control forward or backward to adjust the seat back rake.

Lumbar support adjustment (Full Electric option)

Use control **F** to pneumatically adjust the lumbar support. Use the control to increase or decrease the lumbar support.

Backrest and cushion side width adjustment (Full Electric option)

Use control **G** to pneumatically adjust the width of the backrest sides and the seat cushion. Use the control to increase or decrease the side width.



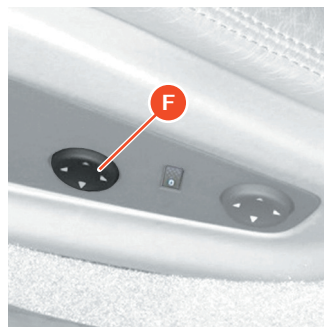
Seat position memory (2+2 version and Full Electric option)

When a front door is open at key-off (key in position 0), the seat can be moved for a limited period (approx. 15 sec.). Each time a door is opened or both doors are closed at key-off, the seat can be moved again for a limited time.

The seat position can only be memorized at key-on (key in position **II**), by pressing one of the three buttons 1, 2 or 3 (**H**) each corresponding to a memorizable position. Pressing one of these buttons for longer than 3 seconds memorizes the position of the driver seat, rear-view mirror and steering column (this is confirmed by a double tone).

To recall the memorized position, press one of the buttons **H** and release it within 3 sec. Operation begins as soon as the button is released.

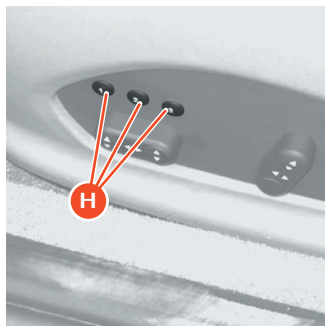
Recalling the memorized position is not allowed when the vehicle is in motion. If the vehicle starts to move while the memory recall is being operated, the seat and column will not stop moving and reach the memorized position.



If the memorized backward/forward position of the passenger seat is less than approximately 2 in. (50 mm) from the rear end of travel, when this seat position is recalled from a different adjusted position, the seat stops once it is approximately 2 in. (50 mm) from the rear end of travel. The position can be adjusted by using the backward/forward adjustment control.

With reverse gear engaged, the position of the passenger external rear-view mirror can be adjusted to a position other than the driving position, to help parking maneuvers. This position can be memorized along with all the other memorizable positions.

If the personalized reverse gear mirror position is never set, when reverse gear is engaged, the passenger external rear-view mirror will be positioned slightly downward and inward (with respect to the driving position).



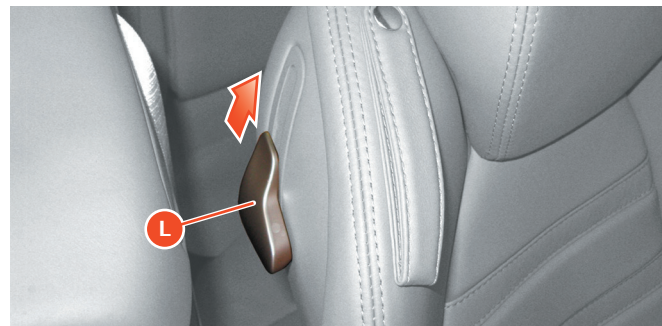
Tilting the backrest

To tilt the seat, pull lever **L** up and push the backrest towards the front of the vehicle.

When the backrest goes back into position, it will automatically stop once it has reached the correct position.

To facilitate access to the rear seats or exiting the vehicle, the front seats are equipped with the “rear seat Easy Entry” device (only operative when doors are open or if the vehicle is stationary), which moves the seats forward to the front end of travel and lowers them automatically when the appropriate backrests are lowered and returns them to the original position when the backrests are lifted again.

If the initial backward/forward position of the passenger seat is less than approximately 2 in. (50 mm) from the rear end of travel, when moving back the seat will stop at 2 in. (50 mm) from the rear end of travel. The position can be adjusted by using the backward/forward adjustment control.



Headrest adjustment

Place the headrest at a height that corresponds to the height of the occupant. To raise the headrest, simply pull it up.

To lower the headrest, press button **M**.

Seat heating system (Full Electric option)

Turn control **N** to activate the seat heating function.

When this function is active for one or more seats, the appropriate warning light on the instrument panel illuminates. Using control **N**, the driver can adjust the heating, choosing from 3 levels identified on the control with the numbers 1, 2 and 3. In position 0, seat heating is not activated.

Driver seat Easy Entry/Exit (2+2 version and Full Electric option)

To help the driver to get in and out of the vehicle, the driver seat Easy Entry/Exit function is activated (only operative when the door is open and the key is in position 0) which moves the steering wheel column upwards. When the door is closed and the key is in position **II**, the steering wheel column returns to its original position.



Adjusting the steering wheel

The steering wheel is electrically adjustable for rake and reach. It can only be adjusted if the ignition key is in position **II**.

Move control **A** (to the left of the steering column) in the four directions to adjust the steering wheel.

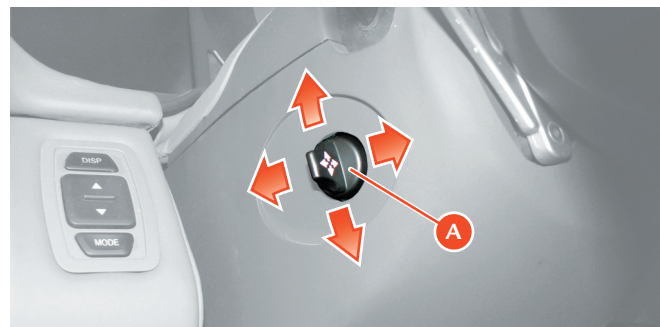
The steering wheel position is memorized, together with the position of the external rear-view mirrors, when the driver's seat position is stored.

Warning



Do not adjust the steering wheel while driving.

To help the driver when entering or exiting the vehicle, the steering wheel is lifted automatically.



Rear-view mirrors

Internal electrochromic mirror

The internal electrochromic mirror automatically darkens to reduce the glare effect of the reflected light on the driver. The speed with which the mirror darkens depends on the intensity of the light.



External rear-view mirrors

These mirrors can be electrically adjusted using the control **C** (with the ignition key in position II) and are equipped with defogging elements.

- 1) Mirror selection: using control **C** select the mirror you wish to adjust (right- or left-hand).
- 2) Mirror positioning: move control **C** in the four directions (up – down – right – left) to adjust each of the rear-view mirrors.

Once adjustment is complete, rotate the control **C** into the central position, where it will be locked in order to avoid changing the setting inadvertently.

The mirrors will fold in both directions in the event of a collision: if necessary, the mirrors can be pushed both backwards and forwards.

In the models equipped with memory seats, every time the seat position is memorized, the external rear-view mirror position is also stored automatically, both for the normal traveling direction and for reverse maneuvering.



To memorize a new position of the external rear-view mirrors, turn the ignition key to position **II** and adjust the position of the mirrors; then engage reverse and reposition the external mirrors to help ensure optimal visibility to perform the maneuver, then disengage reverse gear.

Finally, press one of the buttons 1, 2 or 3 on the seat (see page 182), each one corresponding to a memorizable position, until a double tone confirms that the procedure is complete.

The new position of the external rear-view mirrors will be automatically memorized together with the seat position.

In addition, the mirror positions can be adjusted for both the normal traveling direction and for reverse maneuvering.

The mirrors must always be positioned correctly while driving.

Air conditioning and heating system

Operating modes

Automatic

This mode automatically adjusts the air distribution, temperature and ventilation levels according to the temperature set by the user.

Partially Automatic

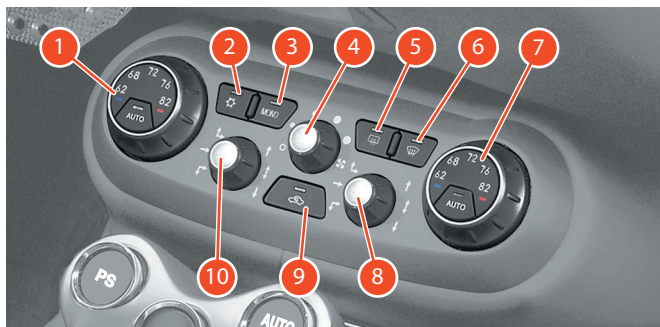
This mode allows the user to adjust certain parameters manually, while others remain automatic.

Manual

This mode allows the user to set the values to suit the passengers' needs.

Controls

- 1 Left-hand temperature setting and AUTO button
- 2 A.C. compressor activation/deactivation
- 3 Single-zone mode activation/deactivation
- 4 Air distribution fan speed
- 5 Rear window demist activation/deactivation
- 6 Windshield demist activation/deactivation
- 7 Right-hand temperature setting and AUTO button
- 8 Right-hand air distribution mode setting
- 9 Air recirculation
- 10 Left-hand air distribution mode setting



Left-hand temperature setting and AUTO button (1)

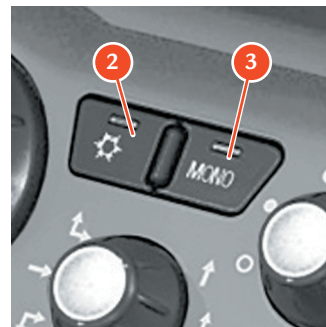
This is used to select the required air temperature in the left-hand side of the passenger compartment; the AUTO button is used to activate automatic operation (LED on).

A.C. compressor activation/deactivation (2)

This is used to activate (LED on) or deactivate (LED off) the A.C. compressor.

Single-zone mode activation/deactivation (3)

This is used to activate (LED on) or deactivate (LED off) the single-zone mode.



Air distribution fan speed (4)

The four setting positions allow the occupants to select the air flow rate.

Rear window demist activation/deactivation (5)

Press this button (LED on) to activate rear window defogging/demisting.

Windshield demist activation/deactivation (6)

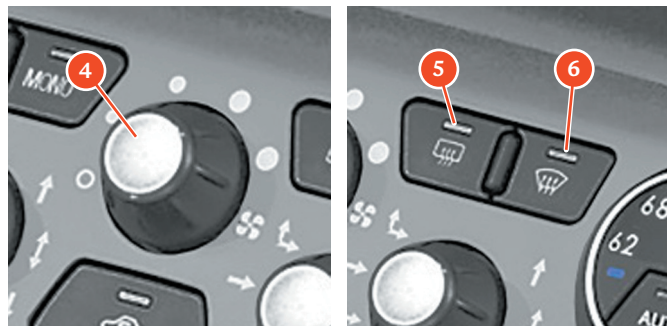
Press this button (LED on) to activate windshield defogging/demisting.

Right-hand temperature setting and AUTO button (7)

This is used to select the required air temperature in the right-hand side of the passenger compartment; the AUTO button is used to activate automatic operation (LED on).

Right-hand air distribution mode setting (8)

This is used to select one of the six air flow distribution modes in the right-hand side of the passenger compartment.



Air recirculation (9)

If released (LED off) ; the air flow comes from the outside.

When outside temperatures exceed 90 °F (32 °C), the air recirculation feature remains on with a 60-second pause every twenty minutes, to refresh the air.

If you activate the windshield washer function, the air recirculation feature activates for 20 seconds, to prevent any smell of detergent products from entering the passenger compartment.

If pressed (LED on), the air flow comes from inside the passenger compartment.

The recirculation increases air heating or cooling.

Left-hand air distribution mode setting (10)

This is used to select one of the six air flow distribution modes in the left-hand side of the passenger compartment.

Once the internal temperature has stabilized at the desired level, you are advised not to change the position of the temperature selection switch unless the external temperature changes drastically.



Important note



The air coming out of the vents does not correspond to the temperature requested by the user, but is the temperature required to maintain the desired temperature inside the passenger compartment.

Adjusting the air vents

The adjustable air vents are positioned on the sides and in the central section of the dashboard.

Air flow direction **A**.

Air flow rate **B**.

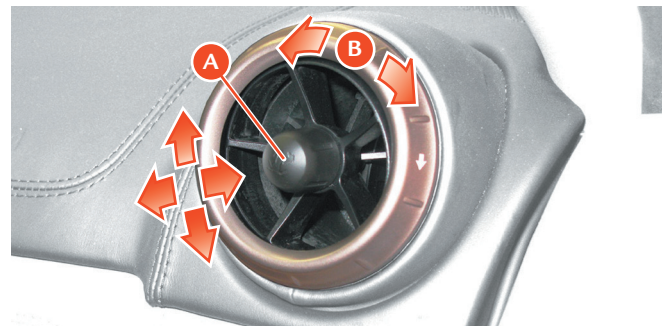
Turned counterclockwise: open.

Turned clockwise: closed.

Important note



It is advisable to keep the air flow rate control **B** set to open and to direct the air flow control **A** to a neutral position.



Maintenance

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

Sun radiation sensor

This sensor is positioned on the dashboard and optimizes ventilation and temperature control inside the passenger compartment depending on the angle of the sun rays.

Passenger compartment accessories

Glove compartment

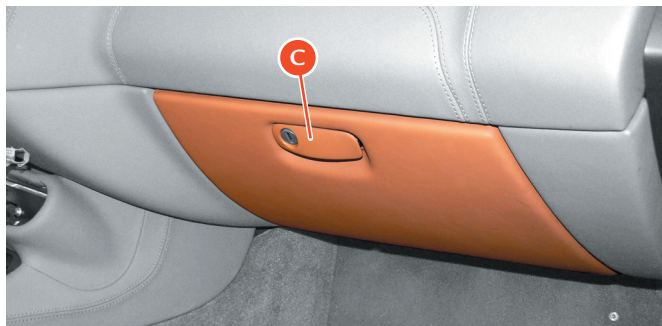
This is located on the passenger side of the dashboard. To open it, pull lever **C** and the glove compartment will move down slowly by means of a special opening mechanism.

The glove compartment is illuminated by a light which turns on automatically when the door is opened.

Warning



Keep the glove compartment closed while driving.



To close the glove compartment, push the top part until you hear the click of the lock.

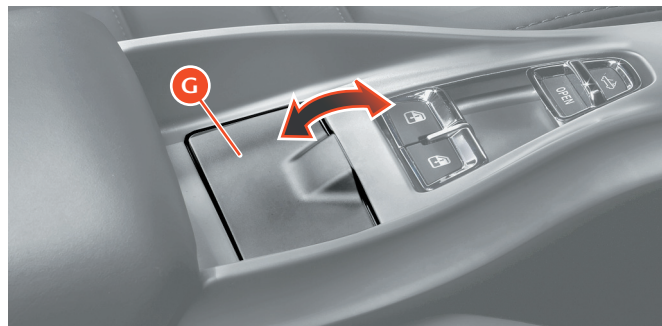
Pocket-change compartments

They are located on the lower part of the doors and on the center console.

Ashtray

To access the ashtray **G**, open the door lifting it backward.

To clean the ashtray, remove it by pulling it up.



Sun visors

The sun visors can be moved by pulling them down, towards the windshield.

There is a mirror on the back of the passenger-side visor.

Luggage compartment access doors

To access the luggage compartment from the passenger compartment, open one or both rear doors **F** and lower them on the seats.



Placing suitcases in the luggage compartment

The luggage compartment is designed to secure any suitcases in the luggage compartment and to prevent the hard top from jamming when operated. Make sure you have closed the partition correctly so that it is blocked correctly both on the left and the right.

Warning



Do not place any objects above the partition: this will help to avoid the risk of causing serious damage to the opening and closing mechanisms.

Warning



Do not place any objects in the folded hard top compartment: this will help to avoid the risk of causing serious damage to the opening and closing mechanisms.



Warning

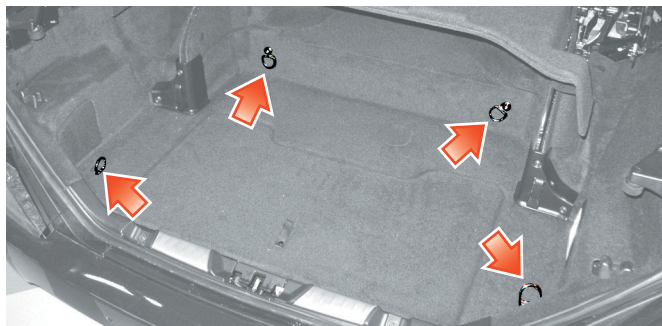


Do not place objects on or next to the partition between the luggage compartment and the folded hard top compartment when closed. Do not place any luggage so that its height exceeds that of the closed partition.

Important note



If possible, use the eyebolts to fasten the luggage.



2 + 2-seater version

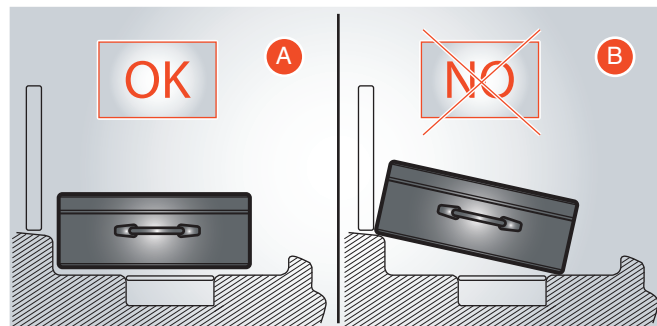
Warning



Place light luggage as far down and as far forward as possible.

Place heavy luggage in the lowest well of the luggage compartment as far forward as possible, so that it touches the edge of the well. (Position **A**).

Do not place the luggage in unstable positions (Position **B**).



2-seater version

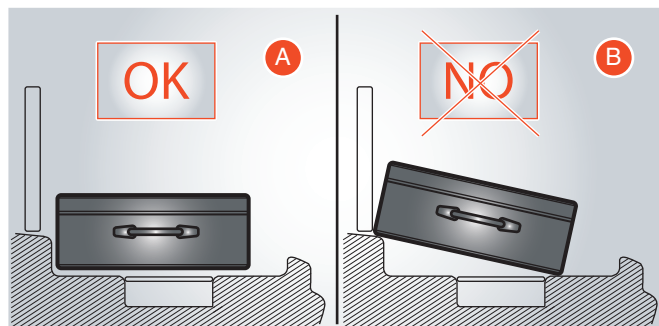
Warning



Place light luggage as far down and as far forward as possible.

Place heavy luggage in the lowest well of the luggage compartment as far forward as possible so that it touches the edge of the well. (Position **A**).

Do not place the luggage in unstable positions (Position **B**).



Warning



Rear shelf

Only place light luggage in the area shown below and secure it using the special belts.



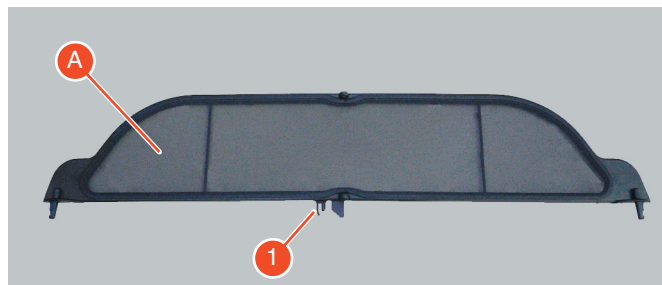
Wind deflector

The wind deflector can be used while driving with the retractable hard top open. It is designed to help reduce wind buffeting in the passenger compartment and provides more comfort during trips at higher speeds too. The deflector is stored in a special bag inside the luggage compartment.

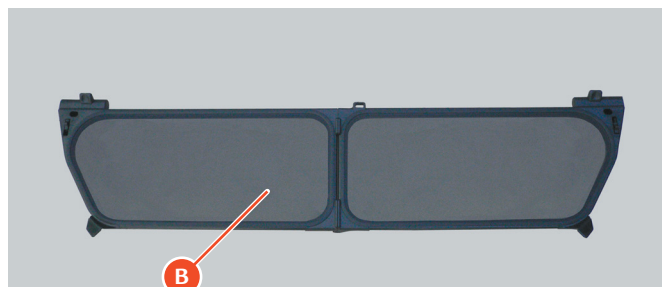
Fitting

The deflector is divided into two parts: **A** and **B**.

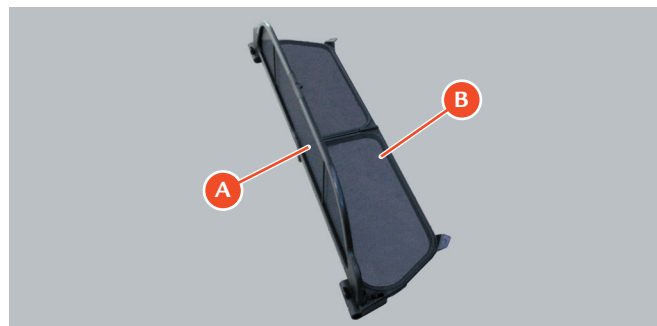
- Take part **A** and open it as shown in the figure



- Take part **B** and open it as shown in the figure



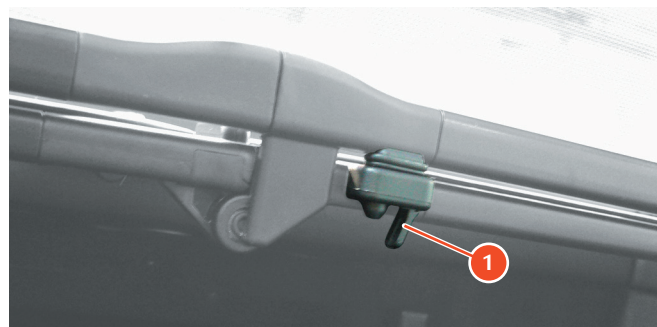
- Fit part **A** onto part **B** as shown in the figure.

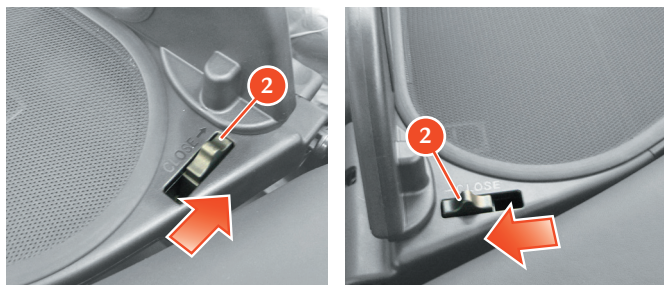


Important note



Make sure that the hook **1** has been correctly inserted.
Lock the fastenings **2** on the right and left of the deflector **B**.





- Push the pin **3** until it snaps into place.



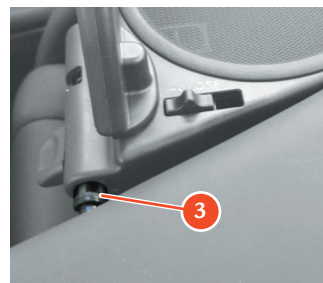
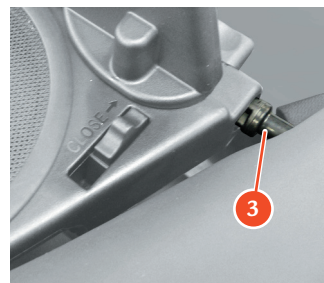
- Place the deflector with its supports **4** fitted in the special slots on the left and right of the vehicle and pin **3** in the special hole on the right of the vehicle.

Important note



Pay attention to the vehicle trim.

- Push the other pin **3** into the special hole on the left of the vehicle, until it snaps in place.



Warning



When the deflector is fitted, if you must move the seat back up to the most upright position, do not tilt the front seats too far back to avoid damaging the deflector.

Warning



Check that the deflector has been secured correctly!

1. General

2. Quick reference guide

3. Safety

4. About your vehicle

5. Advice for Emergency Situations

6. Care of the vehicle

7. Glossary

8. Table of Contents



Warning



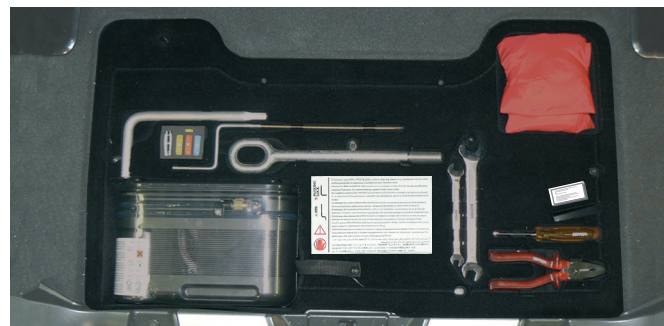
Repair work using the toolkit requires:

- suitable protective equipment (e.g., gloves)
- adequate precautions to be taken (e.g., during tire replacement never lie under a vehicle raised by a jack)
- minimum specific expertise when working in contact with electrical parts/components (e.g., battery).

Toolkit

Housed in the luggage compartment, it contains the necessary tools to perform a very basic repair in the event of a failure:

- set of flat wrenches
- insulated cutting pliers
- screwdriver for slotted screws
- screwdriver for Phillips head screws
- tow hook
- set of light bulbs
- set of fuses
- parking brake manual emergency unlocking key
- “Park Lock” emergency unlocking key
- tire inflation kit.



Emergency tire repair and inflation kit

In the event of a puncture or low pressure of a tire, the kit is designed to repair and/or inflate the tire sufficiently.

Important note



To use the tire repair and inflation kit correctly, refer to the instruction booklet provided with the kit.

Warning



Give the kit and instruction manual supplied with the kit to the personnel that will perform the tire repair.

Warning



In the event of a puncture caused by foreign objects, tires with cuts of up to **0.16 in. (4 mm)** in diameter on the tire tread and shoulder may be able to be repaired.

Warning



Punctures cannot be repaired on the sides of the tire.

Warning



Do not use the tire repair kit if the tire has been damaged after driving with a flat tire.

Warning



Damage to the wheel rim that causes air leaks cannot be repaired.

Warning



Do not remove foreign objects (e.g., screws or nails) that have penetrated the tire.

Warning



After using the repair kit, the vehicle must be considered in an emergency situation: drive with great care and with a maximum speed of 50 mph (80 km/h).

Warning



Apply the sticker supplied with the kit inside the vehicle where it can easily be seen by the driver, to indicate that the tire has been treated with the tire repair kit.

Warning



Drive carefully especially on curves.

Warning



Avoid sudden accelerations or braking.

Warning



The kit is to be used to temporarily repair only one tire punctured by small objects: the kit may not be useful in the case of large punctures or tearing.

Important note



After driving for approximately 10 minutes, stop and recheck the tire pressure.

Remember to use the parking brake.

Warning



If the pressure has decreased below **26 psi (1.8 bar)**, do not continue driving: the kit is then unable to provide a tight seal because the tire may be too severely damaged. Contact your **AUTHORIZED FERRARI DEALER**.

If the tire pressure is at least **26 psi (1.8 bar)**, restore the correct pressure and continue driving.

Drive very carefully to the nearest **AUTHORIZED FERRARI DEALER**.

Warning



The repaired tire must be replaced as soon as possible and the workshop personnel must be informed that the tire was treated with tire repair fluid.

Warning



Keep the kit in its box and out of children's reach.

Warning



Do not inhale or swallow the fluid contained in the cartridge and avoid contact with the skin and eyes.

Warning



The spray contains ethylene glycol and latex, and may cause an allergic reaction. Harmful if swallowed. Irritating to eyes. May cause irritation by inhalation and skin contact. Avoid contact with eyes, skin and clothing. In case of contact, rinse immediately with plenty of water. If swallowed, do not induce vomiting, rinse mouth, drink plenty of water and seek immediate medical advice. Keep out of reach of children. The product should not be used by asthma sufferers. Do not inhale vapors during use. In the event of an allergic reaction, seek immediate medical advice. Store the spray can in its special case away from sources of heat.

The liquid sealant has an expiration date.

Environment



Replace the spray can containing the expired liquid sealant. Do not dispose of the spray can in normal domestic waste. Dispose of in accordance with local regulations.

Warning



The sealant in the kit cartridge can damage the sensor inside the wheel rim on vehicles fitted with a tire pressure monitoring system.

If this occurs, the sensor must be replaced. Contact your **AUTHORIZED FERRARI DEALER**.

Warning



Wear the protective gloves provided with the tire repair kit.

Replacing the headlight bulbs

Important note



The low/high beams are equipped with bi-xenon light bulbs.

To replace the headlight bulbs, contact your **AUTHORIZED FERRARI DEALER**.

To adjust the headlight beam, please contact your **AUTHORIZED FERRARI DEALER**.

Replacing the taillight bulbs

Important note



Before replacing a bulb, make sure that the fuse is not blown.

Disconnect the battery using the quick release.

To replace a rear bulb, proceed as follows:

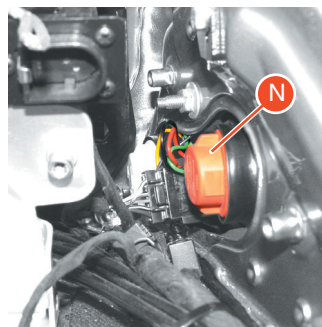
- move the luggage compartment seal slightly
- remove the bulb holder **N**
- remove the bulb by pulling it out and replace it
- put the bulb holder back in place and reposition the luggage compartment seal.

Replacing the supplementary taillight bulbs

Important note



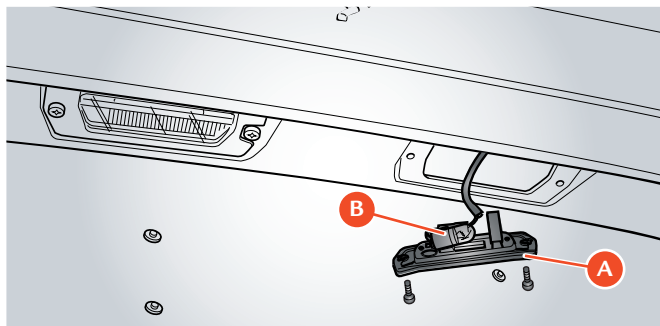
To replace the supplementary taillight bulbs, contact your **AUTHORIZED FERRARI DEALER**.



Replacing the license plate light bulb

To replace a license plate light bulb, proceed as follows:

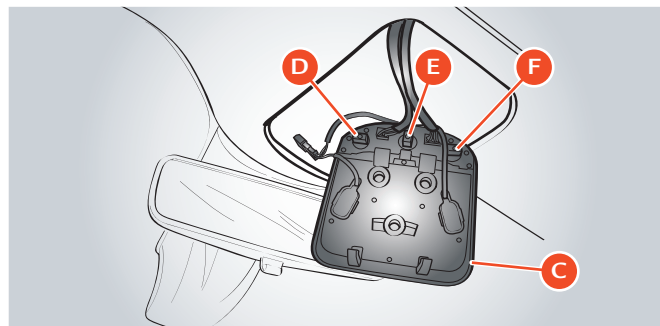
- unscrew the two fastener screws;
- remove the transparent cover **A** from its housing and replace the bulb **B**, which is pressure fitted in place between the two clips;
- refit the transparent cover and reinstall the two fastener screws.



Replacing other light bulbs

Roof panel dome light

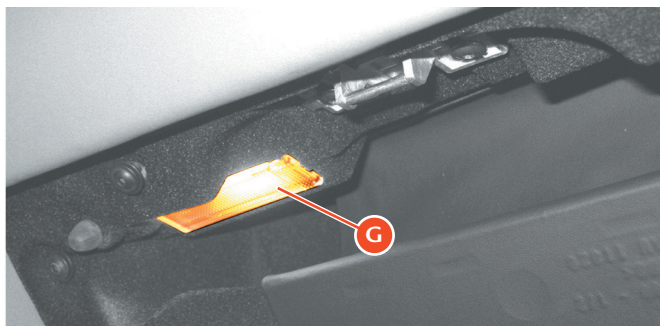
- Use a screwdriver to gently pry out the edge of the transparent cover **C** of the dome light and remove it from the roof panel.
- Replace the bulb **D** or **E** or **F**
- Refit the dome light and make sure that the wires are not trapped by inserting it first from the connector side and then pressing on the opposite side.



Glove compartment and luggage compartment light

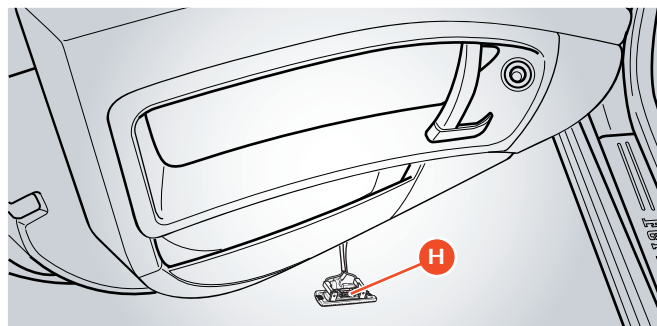
- Use a screwdriver to gently pry out the edge of the transparent cover **G** and lift it.
- Completely remove the transparent cover from its housing.
- Take the bulb out of its clips.
- Replace the bulb.
- Refit the transparent cover and make sure that the wires are not trapped by inserting it first from the connector side and then pressing on the opposite side.

Replace the luggage compartment light bulb in the same way



Underdoor light

- Use a screwdriver to gently pry out the edge of the transparent cover and lift it.
- Completely remove the transparent cover from its housing.
- Take the bulb **H** out of its clips.
- Replace the bulb.
- Refit the transparent cover and make sure that the wires are not trapped by inserting it first from the connector side and then pressing on the opposite side.



Light bulbs (12 V except for high beam and low beam)

	Type	Power
Low beams and high beams	gas-discharge (XENON)	Das
Front running lights	LED	
Front turn indicators	LED	
Side direction indicators	incandescent	T4W
Upper taillight	LED	
License plate lights	incandescent	R5W
Supplementary stop lights	LED	
Fixed part of reverse lights	incandescent	16W
Running/stop lights on moving part of taillight	incandescent	21W/5W
Fixed part of rear direction indicators	incandescent	21W
Rear fog lights	incandescent	H16W
Dome light	incandescent	8W
Spotlight	incandescent	5W
Glove compartment light	incandescent	W5W
Underdoor courtesy light	incandescent	W5W
Luggage compartment light	incandescent	10W

Replacing a fuse

When an electrical device is not working, check that the corresponding fuse is not blown.

A - Unblown fuse.

B - Blown fuse.

Important note



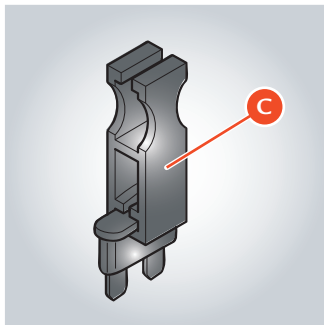
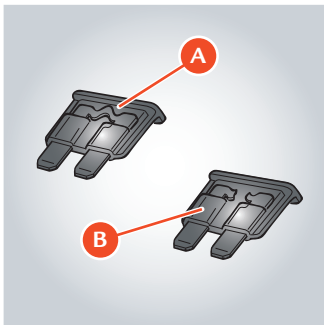
If the problem persists, contact your **AUTHORIZED FERRARI DEALER**.

Important note



When replacing a fuse, always use fuses of the same amperage (same color).

The toolkit contains spare fuses.



Use the pliers **C** in the fuse box in the passenger compartment, behind the dashboard to the left of the steering wheel, to remove the fuses.

Fuse color

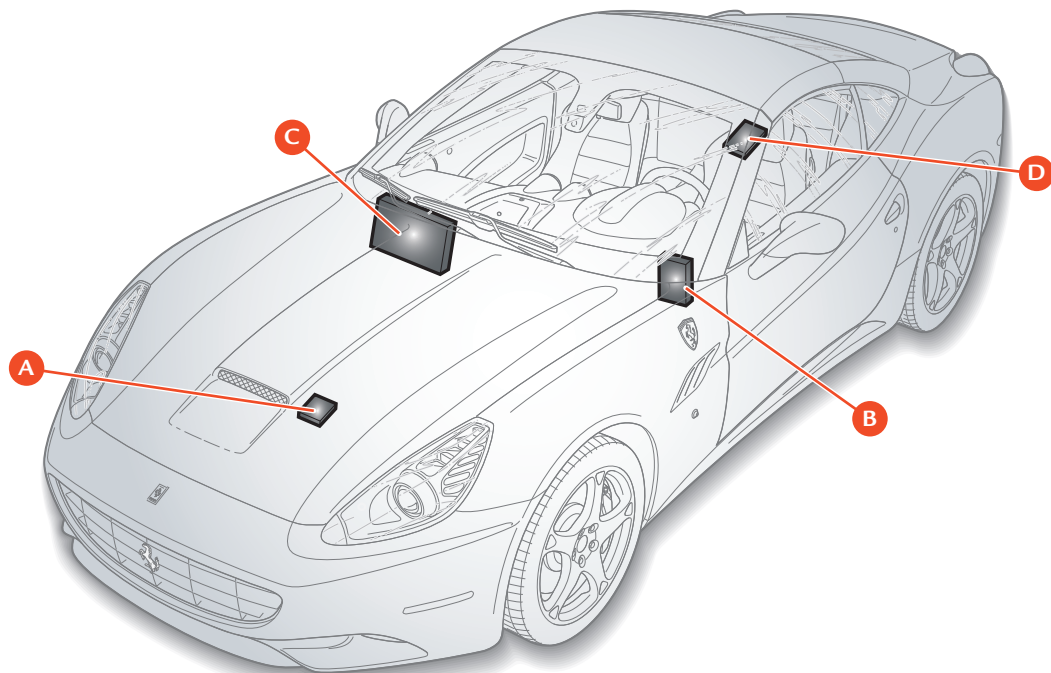
	Ampere
dark yellow	5
brown	7.5
red	10
light blue	15
yellow	20
white	25
green	30

Maxi fuse colour

	Ampere
yellow	20
green	30
orange	46
red	50
blue	60

Location of the fuse and relay boxes

- A - Fuses and relays in the engine compartment
- B - Body Computer fuses and relays
- C - Fuses and relays in the passenger compartment, on passenger side
- D - Fuses and relays in the passenger compartment, on center console



Fuses and relays in the engine compartment

To access these fuses:

- open the engine compartment lid
- remove the box cover **A**.

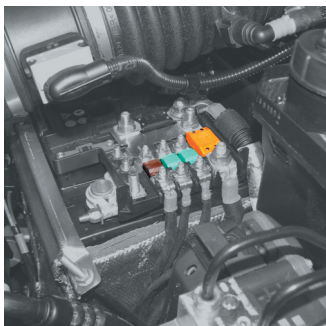
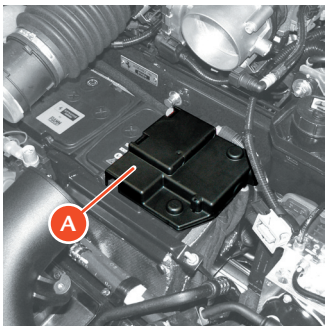
Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.

Box **A** contains these fuses:

Ref.	Amp.	Use
CAL2	CAL2	Power supply (starter motor and alternator).
F-70	150	Power supply and engine relay
F-71	40	Hard top pump



F-72	40	Parking brake power
F-73	70	Dashboard ECU power

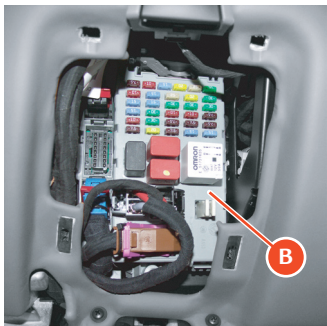
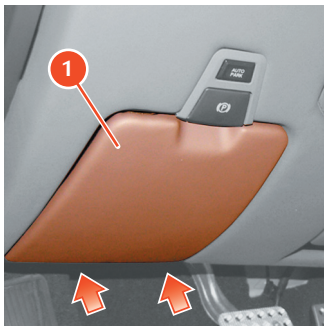
Body Computer fuses and relays

To access these fuses, remove the door **1** by unscrewing the two fastener screws.

Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.





The box **B** contains the following relays (**R**) and maxi-fuses (**MF**):

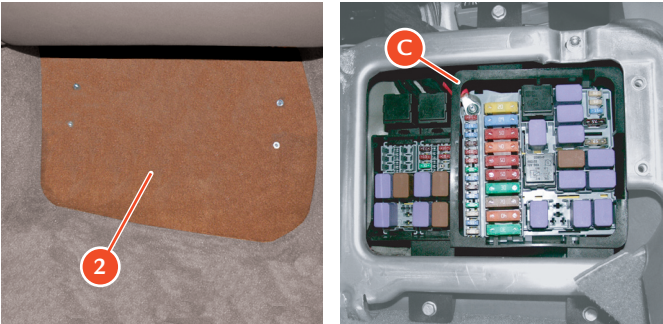
Ref.	Amp.	Use
F-12	15	Right-hand high beam
F-13	15	Left-hand high beam
F-31	7.5	AC unit, body computer connector
F-32	10	Dome lights, foot well and step lights, side markers, supplementary taillights.
F-35	7.5	Clutch pedal control, Cruise control, Power steering, Beams.
F-36	10	Satellite alarm system, parking sensors, fuel tank door.
F-37	10	Stop light control.
F-38	15	Luggage compartment lock
F-39	15	Radio, diagnosis socket, CAN box interface.
F-40	30	Heated rear window
F-42	7.5	Alternator
F-43	30	Windshield wipers
F-44	20	Passenger seat heating, cigarette lighter
F-46	20	Hard top
F-47	30	Driver-side door
F-48	30	Passenger-side door
F-49	7.5	Passenger compartment lighting switches and controls
F-50	7.5	Airbags
F-51	7.5	Semi-automatic gearbox, engine start button

F-52	15	Power socket, driver seat heating
F-53	10	Instrument panel
T01	20	Low beam relay
T11	30	Heated rear window relay
T12	30	Service relay 1
T13	joint	Service powering jumper 2

Passenger side fuses and relays

To access these fuses, remove the passenger footrest 2 by unscrewing the four fastener screws.

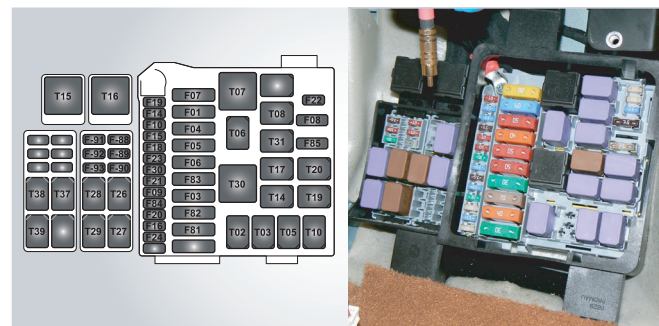
Box C contains the following relays (R) and fuses (F):



Ref.	Amp.	Use
F-01	60	+30 Radiator fans (first speed)
F-02	30	+30 ABS (valves)
F-03	30	+30 Ignition switch
F-04	50	+30 ABS (pump)
F-05	40	+30 Air conditioning and heating system
F-06	50	+30 Radiator fans (second speed)
F-07	20	+30 Horns
F-08	7.5	Air conditioning and heating system compressor
F-09	7.5	+30 Supplementary stop lights
F-10	15	+30 Luggage compartment lock relay
F-11	25	Left-hand bank oxygen sensors
F-14	15	+30 high beams
F-15	7.5	+30 alternator sensing
F-16	25	+30 Right-hand bank engine control power supply
F-17	25	+30 Left-hand bank engine control power supply
F-18	10	+30 Left-hand cylinder bank injection system power supply, LH cylinder bank injection main relay coil
F-19	10	+30 Right-hand cylinder bank injection system power supply, RH cylinder bank injection main relay coil
F-20	30	+30 Right-hand injection system main relay
F-21	15	+30 Fuel pump 2

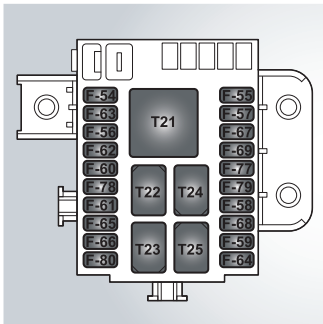
F-22	15	Left-hand bank (ignition coil)
F-23	10	+30 ABS (electronic)
F-24	15	Right-hand bank (ignition coil)
F-30	30	+30 Starting relay
F-81	40	+30 Supplementary ECU power supply
F-82	70	+30 Dashboard ECU and luggage compartment ECU power supply
F-83	50	+30 Air pump relay
F-84	15	+30 Fuel pump relay 1
F-85	25	Headlight washer
F-87	25	Right-hand bank oxygen sensors
F-88	10	+15 Left-hand cylinder bank injection system
F-93	30	+30 Suspension control node fuse
T02	30	High beam relay
T03	30	Fuel pump relay (first speed)
T05	30	Fuel pump relay 2
T06	30	Luggage compartment lock actuator relay
T07	50	Horn relay
T08	30	Air conditioning and heating system compressor relay
T09	30	Left-hand cylinder bank injection system main relay
T10	30	Right-hand cylinder bank injection system main relay
T14	30	Fuel pump relay 1
T15	50	Radiator fan relay (second speed)

T16	50	Radiator fan relay (first speed)
T17	10/20	INT/A relay (devices excluded at ignition)
T19	30	Stop light control relay.
T20	30	Starting relay
T26	30	Windshield wiper relay (first speed)
T27	30	Windshield wiper relay (second speed)
T28	30	Windshield washer pump relay
T29	30	Supplementary stop light relay (third stop light)
T30	50	Air pump relay
T37	30	Left-hand supplementary taillight relay
T38	30	Left-hand headlight LED module power supply relay
T39	30	Right-hand headlight LED module power supply relay
T31	30	Headlight washer pump relay



Fuses and relays on center console

To access these fuses, remove the door 3 from the center console.
Box D contains the following relays (R) and fuses (F):



Ref.	Amp.	Use
F-54	2.0	+30 HI-FI amplifier
F-56	30	+30 Driving position
F-57	7.5	Side Markers 1 (LH front and RH rear)
F-59	7.5	Reverse lights
F-60	30	+30 Passenger position
F-61	7.5	+30 Driving position (electronic)
F-62	7.5	+30 Passenger position (electronic)
F-63	15	+30 Semi-automatic gearbox main relay
F-64	7.5	Fuel tank door actuator
F-65	20	Door lock actuator
F-66	7.5	+30 Semi-automatic gearbox
F-67	7.5	Side Markers 2 (RH front and LH rear)
F-78	15	+30 Battery charger
F-80	30	+30 BassBox amplifier
T21	50	Side Marker relay
T22	30	Reverse light relay
T23	30	Fuel tank door relay
T24	30	Supplementary taillight relay
T25	30	Semi-automatic gearbox main relay

Replacing a wheel

Important note



If one or more wheels need to be replaced, proceed as follows:

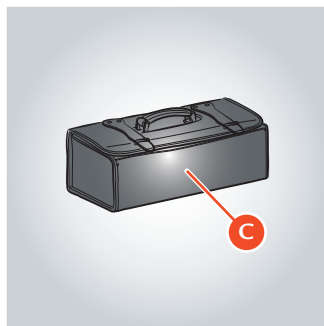
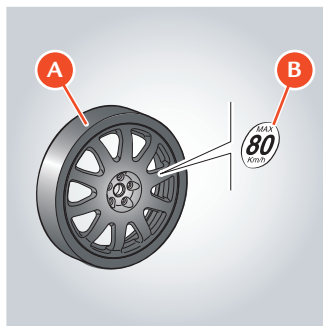
- replace the wheel bolts with damaged threads or tapers
- carefully clean the wheel bolts before fitting
- do not lubricate the contact surfaces between the bolt and the wheel rim and between the wheel rim and the brake disk.

In order not to remove the antilock coating, do not clean the wheel rim cones with solvents or aggressive products.

Space-saving spare wheel

On request, the vehicle may come equipped with a kit containing:

- the spare wheel **A** with space-saving tire; the label **B** indicates the maximum speed allowed of 50 mph - 80 km/h.



- additional tool bag **C** containing: jack and wrench to fasten the wheel bolts.

Warning



The spare wheel must only be used for short trips in the event of an emergency.

When the spare wheel is fitted, never exceed the maximum speed of 50 mph (80 Km/h) and drive carefully, especially around curves and when overtaking, avoiding sudden accelerations or braking.

Do not exceed the approved weight limits.

Do not fit snow chains on the spare wheel.

Never fit more than one spare wheel at a time.

Important note



Failure to comply with these instructions could lead to loss of control of the vehicle and consequently damage to the vehicle and injuries to its occupants.

Replacing a wheel

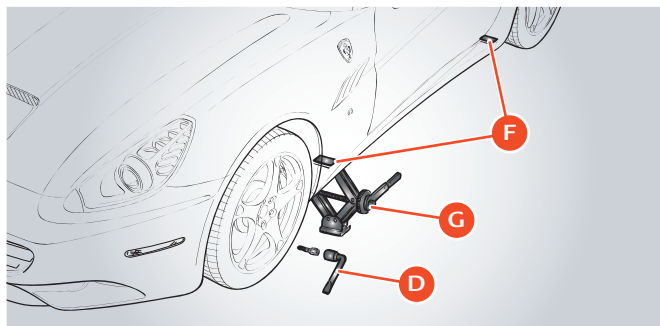
- Position the vehicle on an even surface, then block the rear wheels by applying the parking brake.

Warning



Make sure that the vehicle is in a secure position.

- If necessary, turn on the hazard warning lights and place the hazard triangle at the required distance from the vehicle.
- Take the spare wheel and tools out of the luggage compartment.
- Loosen the five wheel bolts approximately one turn each using the wrench **D** provided.
- Place the base of the jack **E** on flat firm ground under one of the jacking points **F** on the underfloor as shown in the figure.



- Lift the vehicle carefully using the jack **G** until the wheel is raised off the ground.

Warning



If the jack is not positioned correctly, the vehicle could slip off.
No part of the body must ever be under the vehicle.
The jack provided must only be used for replacing wheels.

- Unscrew the five bolts and remove the wheel.
- Fit the uninflated space-saving spare wheel.
- Screw the bolts into place but do not tighten them.

Warning



Inflate the space-saving spare wheel before lowering the vehicle to avoid damaging the rims.

- Inflate the space-saving spare wheel using the inflation kit.

Warning



The kit must be used in “tire inflation” mode. Refer to the instruction manual provided with the kit.

- Inflate to the indicated pressure (see page 31).
- Lower the vehicle and remove the jack.
- Tightly fasten the bolts, alternately going from one bolt to one that is diametrically opposite.

As soon as possible, secure the bolts with the torque wrench and tighten them to a torque of 73.76 ft. lb. (100 Nm).

Warning



The spare wheel does not have a tire pressure monitoring sensor (see label on spare wheel tool bag). After fitting, it is not checked by the system but conforms to the international regulations ECE R64/01.

After fitting, we recommend that you go to the nearest **AUTHORIZED FERRARI DEALER**.

Towing

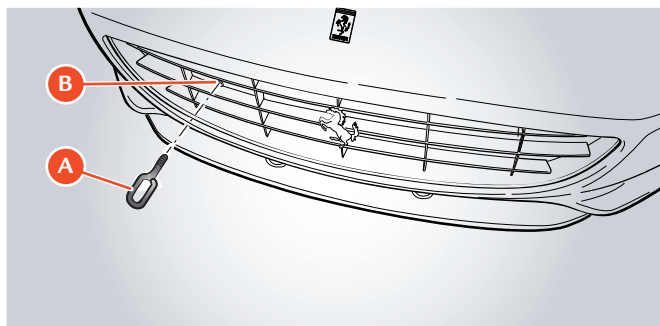
When towing the vehicle, use only the attachment point provided for the towing hook **A** inserted in place **B**.

- Take the tow hook **A** out of the tool bag.
- Tightly screw the tow hook into place **B**.
- Release the EPB.
- Release the Park Lock.

Warning



If there is an electrical system failure, release the EPB and Park Lock manually.



Warning



While towing the vehicle, you must comply with road regulations.

Warning



Do not tow the vehicle using a hook attached to the suspension or wheel rims but only to the tow hook properly fitted in place. Keep the key into position **II** to enable the lights to work and prevent the steering wheel from locking in the event of steering; when towing the vehicle, do not start the engine.

Important note



Remember that when the engine is off, the power steering and brake servo functions do not work.

Fuel inertia switch

This is a safety switch **A** in the passenger compartment positioned on the floor, in front of the driver seat, that deactivates the fuel pump relays if a collision occurs.

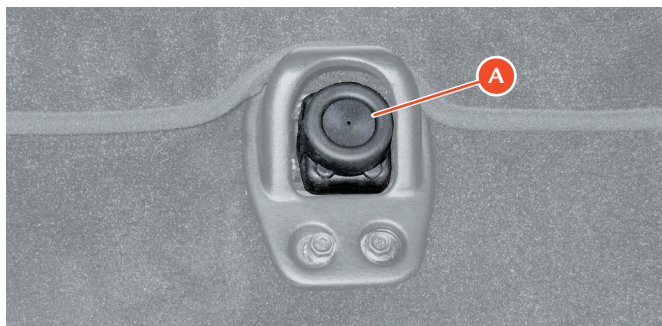
A symbol on the TFT display and the hazard warning lights illuminate to indicate that the switch has been activated.

When activated, the doors are also unlocked (if locked) and the dome light illuminates.

Warning



The system can be reactivated by pressing the button on top of the switch.



Battery quick release

It is on the left side of the battery and can be accessed by opening the engine compartment lid.

Use the locking lever **B** to loosen the clamp.

Separate the clamp from the battery to disconnect the battery and the electrical system.

Warning

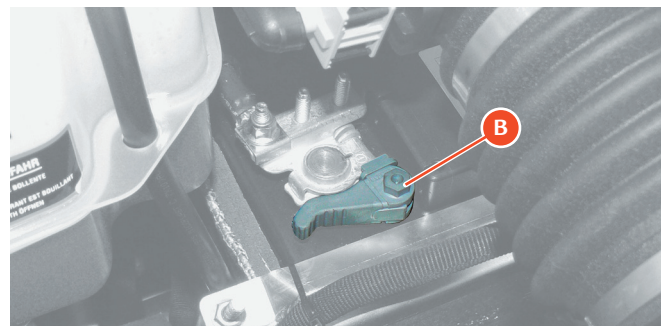


The battery quick release must only be used if the battery conditioner cannot be connected. See page 219 for information about the battery conditioner.

Warning



Position the clamp so that it does not come into contact with the battery pole or other metal parts of the vehicle.



Disconnecting the battery

Before disconnecting the battery, deactivate the electronic alarm using the remote control.

Warning



Never disconnect the battery from the electrical system when the engine is running.

Before disconnecting the battery, lower the side windows by at least 0.8-1.2 in. (2-3 cm) to avoid damaging the weather strips when opening and closing the doors.

Warning



When the battery is connected and charged, this operation is automatically performed when the doors are opened and closed. The windows must remain lowered until the charged battery is reconnected. If the battery is discharged with the windows completely raised, only open the door if necessary and use the utmost caution; do not close the door again until the windows can be lowered.

Important note



We recommend using the battery conditioner if the vehicle is going to be left unused for a long period (see page 245).

Reconnecting the battery

Place the clamp on the battery and fasten it by closing the locking lever.

Each time the battery is reconnected, before starting the engine, do the following:

- close both doors and close the luggage compartment lid; unlock and lock the doors using the remote control; open the luggage compartment lid using the remote control.
- Adjust the clock (date and time on instrument panel).
- Close both doors and fully raise the driver side and passenger side windows to their upper limit; check that the windows move down into the “target position” when the doors are opened.

Warning



Wait at least 1 minute before inserting the key in the ignition switch.

Before starting the engine, wait at least 60 second with the ignition key in position **II** to allow the electronic system that controls the motor-driven valves and the A.C. ECU to run a self-learning process.

During this period, no devices must be activated.

The self-learning process for the Motronic ECUs works properly when the intake air temperature is above 41 °F (5 °C).

After removing the battery from the vehicle or disconnecting it from the electrical system using the battery quick release, it is important to check that the external temperature is within the indicated values when reconnecting, before performing the self-learning procedure.

Checking the battery

The battery is placed in the center of the engine compartment. The vehicle is equipped with a sealed lead acid battery that does not require maintenance.

Warning



The battery does not need topping up with distilled water or sulphuric acid.

- Periodically check that the terminals and posts are clean and firmly secured.
- Visually inspect the outer casing for any cracks.
- If the battery overcharges, it will wear out quickly. Have the vehicle electrical system checked if the battery tends to discharge easily.

Warning



Do not place the battery near sources of heat, sparks or open flames.

Battery conditioner

The vehicle is equipped with a battery conditioner to maintain and recharge the battery.

Important note



Using the battery conditioner will extend the life of the battery.

The device is kept in a pocket inside the car cover bag provided with the vehicle.

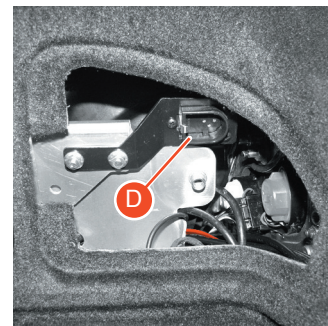
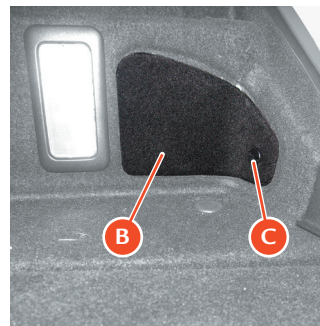
The battery conditioner connection socket is located on the right of the luggage compartment, behind cover **B**.

To access the socket **D**, rotate the fastener **C** and open the door **B**.

Warning



Place the battery conditioner where it can be easily seen, away from heat sources and out of children's reach.



After connecting the battery conditioner to the socket in the vehicle, run the connection cable underneath the luggage compartment lid, in the outer/rear corner.

Important note



Do not run the connection cable out of the vehicle in positions other than those indicated to prevent damaging the seals and/or the cable.

If the vehicle is not going to be left unused for periods of more than one week, we recommend that you connect the battery conditioner, in order to keep the battery in good working order.

Warning



The engine cannot be started as long as the battery conditioner is connected to the vehicle socket.

Important note



Additional technical information on the use of the device can be found in the manual provided inside the pocket of the car cover bag. Use the battery conditioner only as instructed in the manual.

Exhaust system overheating alarm devices

If the engine malfunctions which causes high temperature in the exhaust system, a symbol will appear on the TFT display accompanied by a message. The message varies according to the three alarm levels: **high temperature**, **excessive temperature** or **catalytic converter temperature system failure**.

Displaying of the symbol is controlled by the thermocouple via the engine control ECU.

Warning



Incorrect use of the vehicle may cause the SLOW DOWN warning light to illuminate.

Warning



If the temperature is **high**:
slow down immediately so that the exhaust system temperature decreases.

Warning



If the temperature is **excessive**:

the temperature in the catalytic converters has reached a dangerous level and could damage them; if you continue to drive, the engine control ECU intervenes and reduces the torque produced by the engine.

The torque limit remains active until the catalytic converter temperature goes down to normal operating values.

Warning



If catalytic converter temperature system failure information is displayed:

- the engine control ECU intervenes and reduces the torque produced by the engine
- the driver must slow down and slowly drive to the nearest AUTHORIZED FERRARI DEALER to have the engine parameters checked.

Warning



If the EOBD warning light illuminates together with the SLOW DOWN warning light, go to the nearest AUTHORIZED FERRARI DEALER to have the ECU error memory checked.

Warning



Failure to abide by the above warnings may cause personal injury or damage to property.

Engine malfunction alarm devices

If the “**Engine diagnostic system failure**” (EOBD) warning light flashes or illuminates permanently while the engine is running, it indicates that the engine or the emission control system may be malfunctioning.

The electronic system detects and isolates the error preventing damage to the engine or the production of harmful emissions.

Warning



When the “engine diagnostic system failure” warning light illuminates, engine performance may be considerably reduced. Drive carefully, avoiding sudden acceleration and high speeds. Contact your AUTHORIZED FERRARI DEALER immediately.

Replacing the brake pads and discs

Brake pads

The front brake pads have a wear detector connected to the brake warning light; if this warning light illuminates or braking is not even, have the pad thickness and the state of the braking surfaces checked.

The minimum brake pad thickness is 0.12 in. (3 mm) (thickness of the friction material only).

Replacing the brake pads

When the brake failure warning light illuminates, it means that the front brake pads are excessively worn and must be replaced immediately.

Warning



To help ensure the quality of the components and proper installation, we recommend that you have the brake pads replaced at an **AUTHORIZED FERRARI DEALER**.

After replacement, avoid sudden braking until the new pads are seated properly (approximately 186 mi. - 300 km).

Manual closing of the retractable hard top

Warning



For manual closing of the retractable hard top, two people are required.

The movements must be slow and synchronized.

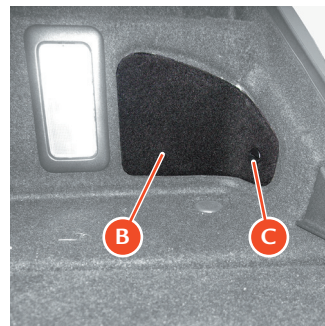
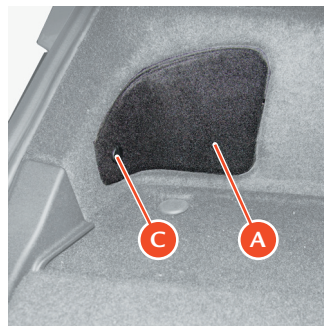
Warning



Read the instructions carefully before attempting to close the hard top manually.

If the retractable hard top cannot be moved electronically, it can be closed and moved manually. To perform the operations described below, two people are required.

- Completely lower the side windows.
- Open the luggage compartment lid.

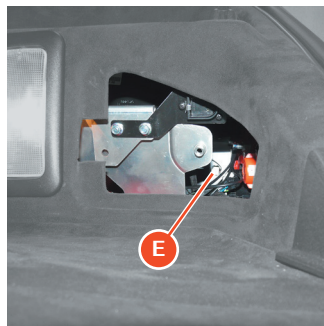
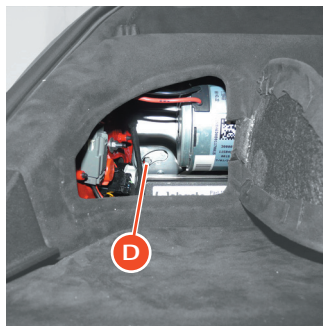


- Disconnect the battery by detaching the quick release.
- Lift up the luggage compartment lid.
- Open the left **A** and right **B** sections of the luggage compartment by turning the appropriate fasteners **C**.
- Locate the cover latch **D** in the left section.
- Locate the cover latch **E** in the right section.
- Insert the special wrench in the toolkit provided with the vehicle in the cover housing.
- Turn the wrench clockwise to release the left cover latch and turn the wrench counterclockwise to release the right cover latch.

Warning



Make sure that the doors **F** and **G** shown in the figure have opened correctly. If they are not fully open, **DO NOT** perform the emergency maneuver to avoid causing possible damage.

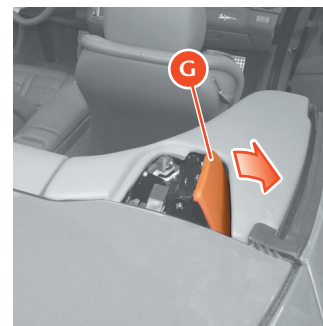
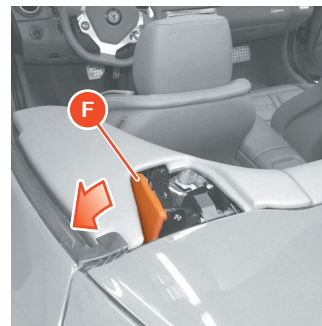


- Lower the luggage compartment lid.

Warning



DO NOT close the luggage compartment completely.



- Lift up the cover until it is completely open.

Important note



Two people are required to open and close the retractable hard top using slow, synchronized movements.

Use the holds as shown in the figure by the arrows.



- Hold the front - rear hard top package stored in the luggage compartment and get ready to lift it.

Important note



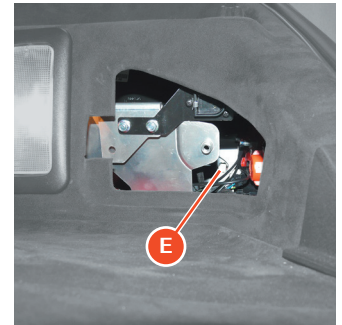
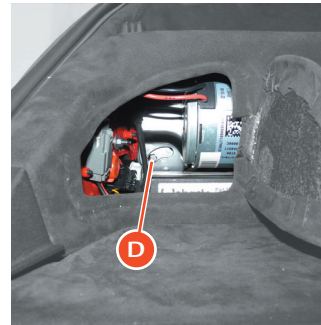
To do this, hold the package with both hands working on both sides of the vehicle.



- Lift the front-rear hard top package right up and let it drop down slowly until it touches the windshield pillars.
- Lower the cover and let it drop until it has gone into its housing.



- Lift up the luggage compartment.
- Lock the cover latch.
- Insert the wrench in position **D** on the left of the luggage compartment and turn it counterclockwise.
- Insert the wrench in position **E** on the right of the luggage compartment and turn it clockwise.



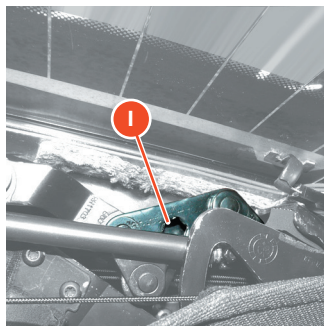
- Close the rear hard top by holding it with both hands and working on both sides of the vehicle and let it drop down until it goes into its housing.

Warning



To do this, hold the rear hard top with both hands and work on both sides of the vehicle.

- Move the hard top internal covering fabric **H** until you find the rear hard top latch **I**.
- Release the rear hard top latch by turning the special wrench clockwise; do this in the left lock and then the right one by turning the wrench very carefully to avoid damaging the cover.

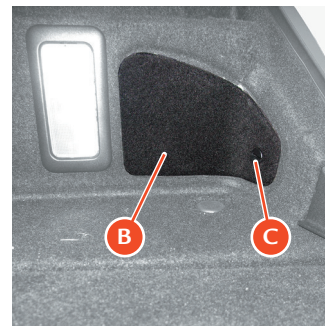
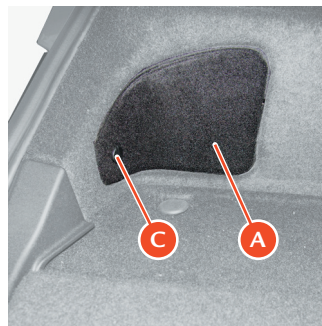


Warning



Make sure that it has locked and if not, repeat the procedure.

- Reposition the fabric on both sides.
- Close the left section with fabric **A**.
- Close the right section with fabric **B**.
- Fasten both covers by turning the fasteners **C**.
- Close the luggage compartment lid.



Emergency release of the electric parking brake

Warning



The release procedure must only be carried out by specialized workshop personnel, such as an **AUTHORIZED FERRARI DEALER** technician or an experienced towing company.

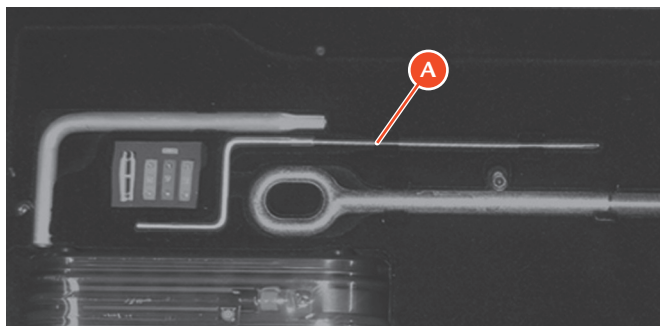
If the system cannot be released, contact the nearest **AUTHORIZED FERRARI DEALER**.

Warning



When the electric parking brake is deactivated manually, the vehicle may move unexpectedly!

To keep the vehicle stationary, the Park Lock safety device must be applied: make sure that the letter “**P**” appears on the gear display.



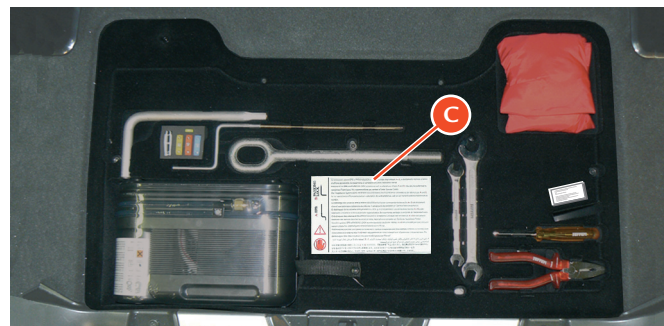
If the electric parking brake cannot be deactivated because the battery is dead or there is a failure in the electrical system that controls it and the vehicle needs to be moved, the emergency procedure described below must be performed.

- Open the luggage compartment lid.
- Remove the tool kit cover.
- Take wrench **A** out of the tool kit to release the electric parking brake.

Warning



Wrench **A** may only be used by specialized workshop personnel, such as an **AUTHORIZED FERRARI DEALER** technician or an experienced towing company, as indicated in the label **C** on the toolkit itself.



- Using the special rectangular opening **B** in the right of the toolkit (identified by a label), place the release wrench in the hole (in the left part of the opening) and turn it clockwise.

This movement loosens the parking brake cables.

Important note



To release the brake completely, the wrench needs to be turned 50 times, whereas it starts to be released after approximately 20 turns.

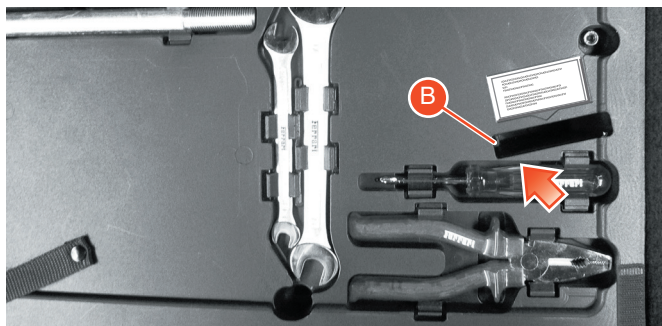
Warning



The parking brake resumes normal operation but it is important to go to the nearest **AUTHORIZED FERRARI DEALER** to have it calibrated and delete any errors in the error memory.

Go to your **AUTHORIZED FERRARI DEALER**.

Calibration is necessary for safety reasons.



Park Lock emergency release

Warning



The release procedure must only be carried out by specialized workshop personnel, such as an AUTHORIZED FERRARI DEALER technician or an experienced towing company.

If the system cannot be released, contact the nearest AUTHORIZED FERRARI DEALER.

Warning



This should be avoided unless absolutely necessary:

- to tow the vehicle
- if there is a Park Lock failure (the following message is shown on the TFT display: “Only manual unlock gearbox allowed: See handbook”).

Warning



When the Park Lock safety device is deactivated manually, the vehicle may move unexpectedly.

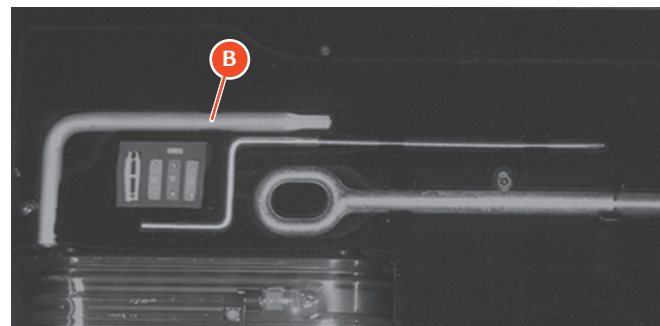
The vehicle is only kept stationary by the parking brake, if applied.

After releasing Park Lock, the following message may appear on the TFT display “Only manual unlock gearbox allowed: See handbook”

Procedure for releasing the Park Lock device from the luggage compartment

The Park Lock manual release device is found in the luggage compartment.

- Take the wrench **B** out of the toolkit.



Warning



Wrench **B** may only be used by specialized workshop personnel, such as an **AUTHORIZED FERRARI DEALER** technician or an experienced towing company, as indicated in the label **C** on the toolkit itself

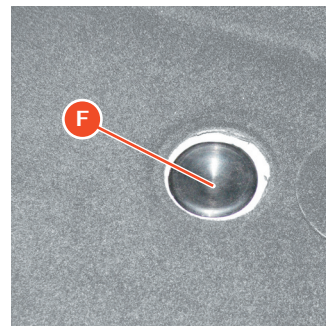
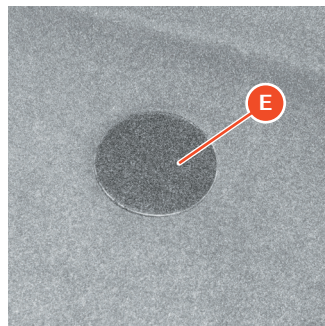
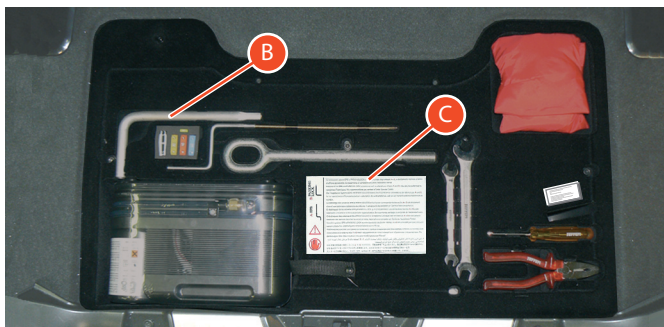
- Open the luggage compartment.
- Remove the felt cover **E**.
- Remove the rubber cap **F** that protects the device.
- Insert the wrench **B** in the seat on the device.

Important Note

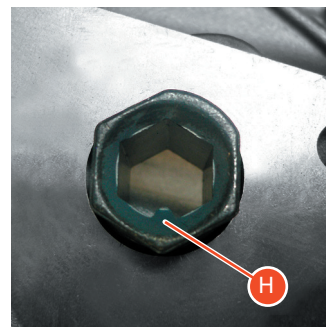
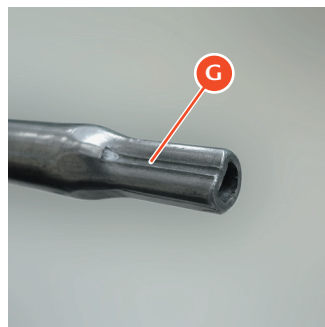


Make sure that notch **G** on wrench **B** fits on pin **H** in the seat on the device.

- Turn the wrench **B** counterclockwise by one-quarter turn.



If the electrical system allows it, check that the letter “N” appears on the gear display by turning the ignition key to position “IP”. The following message “Gearbox not in Parking position” appears on the TFT display. At the same time, an acoustic signal is repeated four times to indicate that the Park Lock has been released.



Important note



Once the vehicle has been moved to a secure place, the Park Lock device must be reset.

- Insert the wrench **B** in its seating on the device, in the luggage compartment.
- Turn the wrench clockwise.

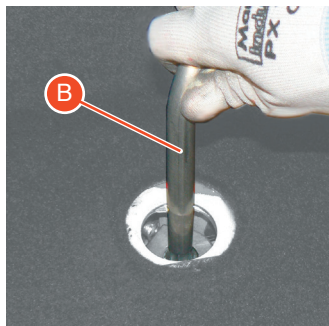
If the electrical system allows it, check that the letter “P” appears on the gear display by turning the ignition key to position “II”.

- Close the device with the rubber cap.
- Close the device hole with the felt.
- Close the luggage compartment lid.

Warning



In the event of emergency unlocking due to a Park Lock failure, go to the nearest AUTHORIZED FERRARI DEALER to solve the problem.



1. General
2. Quick reference guide
3. Safety
4. About your vehicle
5. Advice for Emergency Situations
- 6. Care of the vehicle**
7. Glossary
8. Table of Contents



Warranty Book

The vehicle comes equipped with a “Warranty Book”. This contains the vehicle warranty terms and conditions.

Important note



The warranty Book also contains special blank spaces where the AUTHORIZED FERRARI DEALERS can register the regular maintenance services performed, as indicated in the maintenance schedule.

Maintenance

It is essential to always keep the vehicle in proper working order to help ensure a long working life and to prevent any running defects, caused by negligence or lack of maintenance, and consequently to avoid hazardous situations.

Important note



All repair work on any component of the safety system must be performed by your AUTHORIZED FERRARI DEALER.

Maintenance schedule

At the intervals prescribed, the AUTHORIZED FERRARI DEALERS must perform all the tuning and checking operations indicated in the “Warranty Book”.

It is however advisable to immediately report any small fault which may occur during use of the vehicle (e.g., small leaks of essential fluids) to AUTHORIZED FERRARI DEALER and not wait until the next service is due to correct the problem.

It is required to have the periodic maintenance services performed at least once a year, even if the specified mileage limit has not been reached (see “Yearly Maintenance” in the “Warranty Book”).

Chassis and bodywork maintenance

The chassis has technological and manufacturing specifications that require that any operation be performed by staff specially trained to work with this innovative technology.

It is of crucial importance to use equipment tested by FERRARI if the repair work is to be performed in accordance with rules of good workmanship. Proper execution of repair work helps ensure that the commercial value of the vehicle is preserved and the safety standards are complied with.

Important note



If the chassis is damaged as a result of an accident, FERRARI recommends that you contact your AUTHORIZED FERRARI DEALER.

The chassis, under standard conditions of use, requires no maintenance; it is however advisable to contact your AUTHORIZED FERRARI DEALER at the intervals indicated in the “Warranty Book” in order to have it checked.

Level checks

Important note



The level checks must be performed at the intervals indicated in the “Warranty Book” or, in any case, before starting a long journey.

Environment



All the materials used for the following operations (e.g., cloths soaked with oil or grease, pans, etc.) must be disposed of in compliance with local environmental protection regulations.

Important note



Only use lubricants and/or fluids recommended by FERRARI (see the “Recommended Lubricants and Fluids” table on page 34).

Engine oil

Warning



The engine oil level must be checked when the engine is warm.

Warning



The engine oil level must be checked when the vehicle is on a level ground.

The message “checking engine oil level” displayed next to the following symbol on the TFT display indicates to the driver that the engine oil level must be checked.



Proceed as follows:

Run the engine until the engine oil temperature has reached 176 - 194 °F (80-90 °C).

- A. Open the engine compartment lid.
- B. Turn off the engine.

Warning



The oil must be checked when the ENGINE IS OFF.

C. Completely remove the dipstick **1** on the left side of the engine.

D. Remove the oil filler cap **2** and wait 5 minutes for the oil to drain back into the oil pan.

Warning



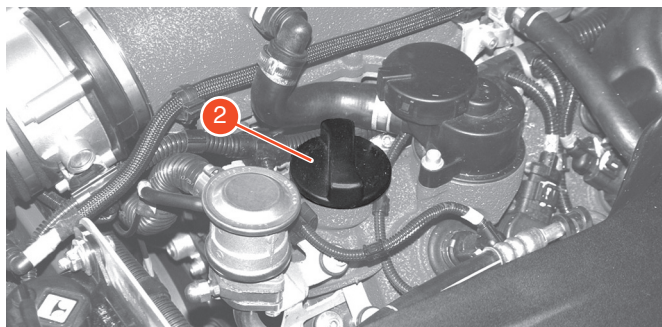
If the oil level is below the “MIN” reference mark, top it up and then have the system checked by your **AUTHORIZED FERRARI DEALER**.

E. Clean the dipstick, insert and remove it again and check that the oil level shown on the dipstick **1** is between the **MIN** and **MAX** reference marks.

Important note



The distance between the MIN and MAX reference marks corresponds to approx. 0.4 US Gal. (1.5 liters) of oil.



Warning



DO NOT add oil with different characteristics from those of the oil already in the engine.

If the level is close to or under the **MIN** reference mark, top up with the recommended oil.

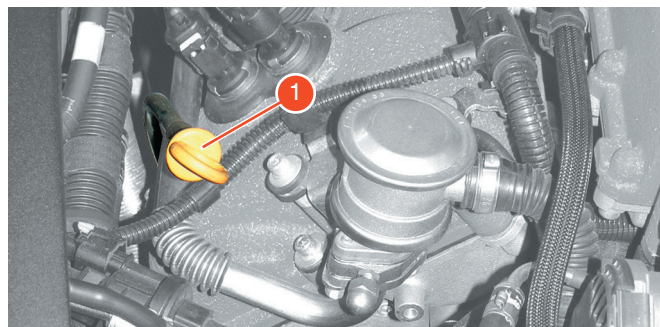
Warning



DO NOT fill beyond the **MAX** level.

F. Top up until the oil reaches the **MAX** reference mark on the dipstick.

After the topping up, the “low oil level” warning light on the TFT display may remain on for some time, and is considered normal. This will allow the system to perform all the necessary checks.



- G. When you have added or changed the oil, check the oil level once again as indicated above.

Environment



Top up with due care to avoid spilling the oil out of the filler neck.

DCT gearbox oil

Important note



We recommend that you have the oil level of the gearbox checked by your **AUTHORIZED FERRARI DEALER**.

Coolant

Warning



This procedure must always be performed when the engine is cold. Never remove the cap from the expansion tank when the engine is running or warm.

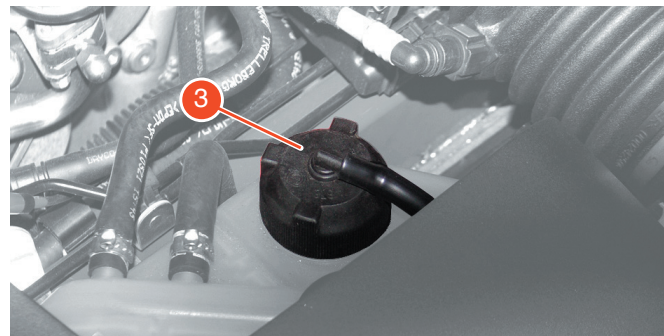
- Remove the cap **3** from the expansion tank in the engine compartment and check that the level is at approximately 1.57 in. (40 mm) from the top of the filler neck.
- If the level is low, top it up with the recommended fluid.

Important note



If frequent top-ups are required after short trips, have the system checked by your **AUTHORIZED FERRARI DEALER**.

- Screw the cap **3** back on tightly.



Hydraulic steering system oil

Warning



The power steering oil level must be checked with the engine warm, after having driven at least 9 mi. (15 km).

Warning

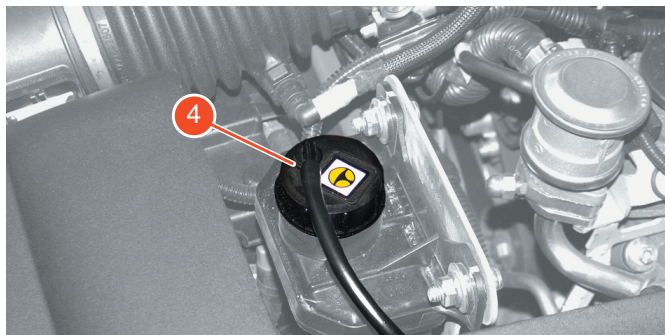


If the oil level is below the “MIN” reference mark, top it up and then have the system checked by your **AUTHORIZED FERRARI DEALER**.

The power steering tank is located in the center of the engine compartment.

Remove the cap **4** from the tank in the engine compartment and check that the level is between the **MIN** and **MAX** reference marks on the dipstick.

The oil level must be checked with the cap resting on the tank.



Top up if necessary with the recommended oil up to the **MAX** level. Screw the cap **4** back on tightly.

Environment



Never dispose of used fluid in the environment.

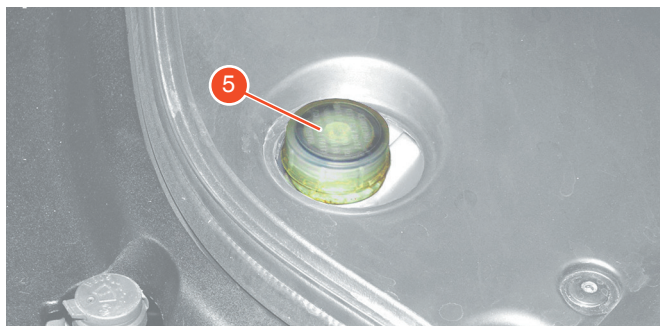
Brake fluid

- Check that the fluid in the tank is near the MAX reference mark.
- If the level is low, unscrew the cap **5** and top up with the recommended oil taken from a sealed container.

Environment



Never dispose of used fluid in the environment.



Warning



The oil contained in the brake and clutch systems, in addition to damaging plastic, rubber and painted parts, is highly dangerous if it comes into contact with the eyes or the skin.

In case of contact, wash the affected part thoroughly with running water. To avoid any risk, always use protective goggles and gloves.

Keep out from children's reach!

The symbol on the tank cap **5** indicates that the system contains synthetic fluid.

Warning



The use of mineral-based fluids will irreparably damage the system rubber gaskets.

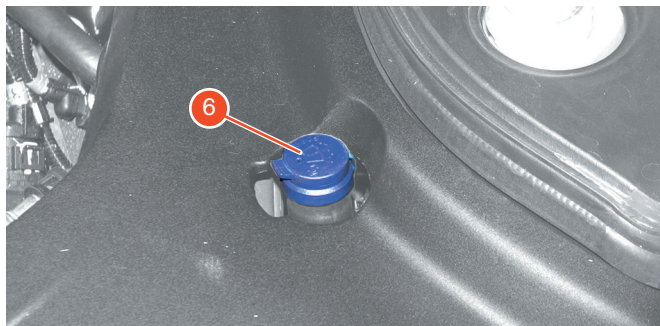
Do not use fluids other than those already contained in the system for topping up.

- After topping up, screw the filler cap back on.

Windshield wipers and washer fluid

The tank for the windshield wipers and washer fluid can be accessed by lifting the engine compartment lid.

- Lift the cap **6** and fill the tank with the recommended fluid (see the “Recommended Lubricants and Fluids” table on page 34) until it can be seen in the filling neck.
- Close the cap **6**.



Wheels and tires

To help ensure optimal performance and tire life and to permit the optimal tire adjustment on the wheel rim, it is important to comply with the following instructions for the first 125 - 185 mi. (200 - 300 km) with new tires:

- avoid sudden acceleration
- avoid sharp braking and steering
- drive at moderate speed on straight roads and on curves.

How to use the tires

Important note



To help ensure safe driving, the tires must be kept in good condition. Always check your tires regularly for wear and damage.

The inflation pressure must correspond to the specified values and must be checked only when the tires are cold: tire pressure increases as tire temperature increases.

Never reduce the pressure if the tires are hot.

Environment



Periodically check the tire pressure.

Insufficient tire pressure can lead to overheating, damage and even destruction of the tires.

Warning



Inflating the tires to a pressure which is different from that prescribed will render the monitoring system inaccurate.

Sudden impact against sidewalks, holes in the road and other obstacles of various types, as well as long trips on rough roads, can cause damage to the tires that is not always visible to the naked eye.

Check the tires regularly for any signs of damage (e.g., scratches, cuts, cracks, bulges, etc.). Remember that tires deteriorate over time, even if they are rarely used or not used at all.

If sharp objects penetrate the tires, they can cause damage which is only visible when the tire is removed.

Have any tire damage inspected by an expert as it may significantly reduce tire life.

Cracks in the tread and side walls, possibly accompanied by bulging, are sure signs of aging.

Important note



Your AUTHORIZED FERRARI DEALER has the necessary equipment for tire replacement.

Have the tires replaced by an AUTHORIZED FERRARI DEALER who has the equipment required to avoid damage to the sensor inside the wheel rim, which could be caused by improperly performed procedures.

Ensure that the new tires are not older than 4 years. The maximum life of the tires kept in stock is of 4 years, provided that they are stored in a place protected from the sun, weather agents and damp, and where there is a low oxygen content.

Important note



Your AUTHORIZED FERRARI DEALER can certify whether aged tires are suitable for use. In any case, tires that have remained on a vehicle for more than 3 years must be checked by an AUTHORIZED FERRARI DEALER.

Warning



We recommend that you replace the tires at least every 4 years, even with only minimal use. Frequent use in maximum load conditions and at high temperatures may accelerate aging.

Never fit tires of uncertain origin.

Warning



The tires are of the “directional” type and there is an arrow marked on their side wall to indicate the direction in which they must rotate or which side is the outer side. In the case of replacement, optimal performance levels can only be ensured if the rotation direction corresponds with the direction indicated by the arrow.

Tires on the same axle must always be replaced in pairs.

Regularly check the tire tread (minimum acceptable depth 0.67 in. - 1.7 mm). As the tread wear increases, there is a greater risk of skidding.

Warning



Drive carefully on wet roads to reduce the risk of “aquaplaning”.

Wheel alignment check and adjustment

When you notice unusual wear of the tires and in any case, at the intervals prescribed in the “Warranty Book”, have your AUTHORIZED FERRARI DEALER check wheel toe-in and camber.

Maintenance of the seat belts and pretensioners

- Periodically check that the screws on the anchoring points are tight and that the seat belt is in proper working condition and slides smoothly.
- The seat belt must be kept clean; the presence of any dirt could jeopardize the efficiency of the seat belt retractor.
- To clean the seat belt, wash it by hand with mild soap and water, rinse it and let it dry. Do not use strong detergents, bleach or aggressive solvents, as they can weaken the fibers.
- Do not let the seat belt retractors get wet: they are designed to function properly only if they are kept dry.
- The pretensioner requires no maintenance or lubrication. If immersed in water or mud, the pretensioner must be replaced.
- The pretensioner must be replaced at the intervals indicated in the “Warranty Book”.

Cleaning the vehicle

Cleaning the exterior

Environment



All the materials used for the following operations (e.g., cloths soaked with oil or grease, pans, etc.) must be disposed of in compliance with the environmental protection regulations.

Proper care of the vehicle on the part of the owner is essential for long vehicle life.

Below is a list of the main precautions to be taken.

- Certain parts of the vehicle should not be left wet or dirty for long periods of time: in particular, the passenger compartment floor and the luggage compartment must always be kept clean and dry. The draining holes under the doors should be kept unclogged to allow any water to drain.
- The underbody and the lower surfaces of the vehicle should be cleaned regularly, and more frequently (at least once a week) if the vehicle is used on salty or rough roads. The vehicle should be cleaned thoroughly and carefully: cleaning that just wets dry mud without removing it completely can be damaging.
- The vehicle must be washed regularly with suitable equipment. Do not use very hot water or steam to clean the paintwork and the lower surfaces. It is advisable to soften any dirt first, then remove it with a jet of water at room temperature.

Warning



Do not use aggressive products for cleaning the windows.
The use of aggressive products could seriously damage the bodywork.

- Do not wash the vehicle in direct sunlight or when the bodywork is still warm: ensure that the jet of water does not strike against the paintwork too hard. Wash the vehicle with a sponge and a solution of mild soap and water. Rinse the vehicle again with a jet of water and dry it with a piece of chamois leather.

Important note



When the vehicle has been washed, apply slight pressure to the brake pedal at moderate speed before driving at a normal speed, until the brake discs and pads have cleaned off.

In order to maintain the shine of the paintwork, polish it once or twice a year with the products recommended by FERRARI.

- Any areas that are cracked or chipped as a result of stones, scratches or parking maneuvers, etc., must be immediately repaired by your AUTHORIZED FERRARI DEALER.
- Do not park the vehicle in damp and/or unventilated areas for long periods of time.

Cleaning of the Antistone Film (optional)

The film has been designed for the protection of the bodywork, anything that may damage the paint will also damage the film.

Warning



Do not pour denatured ethyl alcohol, acetone, isopropyl alcohol, heptane or substances that contain these compounds on the film.

- Do not apply adhesive elements on the film.
- When cleaning, do not use metal or abrasive substances in general and acid chemical compounds.

Important note



Avoid contact with the brake fluid as the film will become opaque.

- Do not use solvents along the edges of the film to keep them from penetrating inside the adhesive layer.

Important note



Avus White, Alloy Grey, Nürburgring Silver vehicles must be washed every month and waxed at least twice a year so that dirt, acid rain, pollutants, etc. do not penetrate the pores of the film causing it to tarnish.

Important note



We recommend that the film be replaced every 24 months for Avus White, Alloy Grey, Nürburgring Silver vehicles, which may show a light visible tarnish due to dirt inside the pores of the film.

It should be noted that a timely and accurate cleaning (monthly washing and wax twice a year at least) will help prevent deterioration.

Cleaning and care of the leather upholstery

As indicated in the “MAINTENANCE SCHEDULE” (see “Warranty Book”), proper and regular treatment, at least once a year, will help preserve the quality, natural characteristics and softness of the leather upholstery in your Ferrari.

With this in mind, specific leather care products are also available (“Cleaner” and “Cream”) both tested by FERRARI.

These products can be ordered through an AUTHORIZED FERRARI DEALER, both individually and as part of the “Care Kit” which includes the complete range of products for cleaning the vehicle.

Important note



For use of the “Care Kit” products, contact your AUTHORIZED FERRARI DEALER.

The following products must be avoided when cleaning the leather: harsh detergents, turpentine, liquid stain removers, fuel, solvents and domestic cleaning products. All of these products damage the natural material.

Cleaning the interior - Cleaning and care of the Alcantara® upholstery

Warning



Do not use equipment with steam for cleaning!

- Carefully dust the parts to be cleaned
- Use a soft cloth or sponge moistened with clean water
- Squeeze out all excess water and treat the entire Alcantara® area being careful not to get it wet.
- Repeat this procedure a second time
- Let it dry completely
- To recondition the material, gently use a brush with soft bristles.

If the vehicle is stored for long periods

If the vehicle is not used for long periods of time, certain precautions should be taken:

- if possible, park the vehicle on a level surface in a covered and well-ventilated area
- prevent the vehicle from moving by engaging a gear
- bring the tire pressure to 43.5 psi (3.0 bar) and periodically change the point where the tires rest on the ground
- connect the battery conditioner (see page 219)

Important note



If you do not wish to connect the battery to the battery conditioner, in order to keep certain devices functioning such as radio station memory, alarm system, etc., the battery must be recharged at least once a month. If the vehicle is not used for long periods of time without connecting the battery conditioner, the battery must be recharged at least every three months.

- protect the vehicle with a breathable fabric cover, avoiding materials that would prevent any dampness on the bodywork from evaporating.

Before using the vehicle again after long periods of inactivity, adjust the tire pressure to the indicated pressure and check the fluid levels of all the systems.

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Abbreviation	Meaning
ABS	Anti-lock braking system The ABS is designed to help prevent wheel locking when braking so that vehicle handling can be maintained.
A.C.	Air-conditioning
ASR	Anti-skid regulation during acceleration.
Autohold	Automatic activation of the electric parking brake (EPB) when the engine is turned off. This function can be disabled
Auto easy exit	Simplified function gear shifting. To exit “Auto easy exit” mode, simply operate one of the two shift paddles.
AVH	Automatic Vehicle Hold Additional function of the electric parking brake (EPB): it allows gradual release of brake shoes/pads when the vehicle starts up. This helps ensure optimal release for the vehicle and is an aid for the driver.
CST	Stability and Traction Control. It consists of two systems: VDC and F1-Trac
DCT	Dual Clutch Transmission: each clutch is associated with a part of the gearbox, one is designed for engaging even gears, the other for odd gears. Once a gear has been engaged, the system has already preselected the next one. After reaching the correct RPM, a clutch opens and at the same time the other one closes, so that the traction force is not interrupted.
EBD	Electronic Brake-Force Distribution Electronically-controlled brake-force distribution
ECU	Electronic Control Unit
EPB	Electric Parking Brake: the system operates by means of an ECU and an electric motor on the rear brake shoes.
F1-Trac	Traction control derived from the technologies used in the racing sector. The system can estimate the maximum available grip in advance by continuously monitoring the appropriate wheel speed and using an auto-adaptive operation logic. Comparing this information with the vehicle dynamics model stored in the control system, F1-Trac, optimizes the vehicle behavior by controlling engine torque delivery.

Abbreviation	Meaning
Manettino	The driving mode control switch is a quick, intuitive way to make the most of vehicle potential.
Park Lock	Automatic DCT gearbox park lock. When the engine is off, a mechanical lock is designed to activate automatically to prevent the vehicle from moving if the electric parking brake is not applied.
Performance Start	Strategy for performance starts from a stopped position in a controlled environment such as a racetrack.
RHT	Retractable Hard Top
TFT display	Multifunction display on the instrument panel that displays information on the control system.
TPMS	Tire Pressure Monitoring System. Using special sensors fitted inside the wheel rims next to the air valve, the data measured is sent to an ECU. The data and messages are displayed on the TFT display.
Traction power	Force exerted by the vehicle on the road surface through the wheels; it expresses the grip value.
VDC	Vehicle Dynamic Control performed through the braking system and engine torque.
Xenon headlights	Headlights on the front of the vehicle that produce a more intense beam by using an electric arch rather than an incandescent spiral.

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Equipment and options in FERRARI vehicle models may vary because of specific legal and market requirements.

FERRARI reserves the right to make any modification to the vehicle models described in this manual, at any time, for either technical or commercial reasons.

Contact the nearest AUTHORIZED FERRARI DEALER for any further information you may require.

In the interests of efficiency and safety, as well as to preserve the value of the vehicle, we do not recommend modifying the equipment using non-approved parts.

