

FERRARI

Portofino



Important note



Visit the website **www.ferraridealer.com** or contact the Customer Care service by calling the numbers indicated in the "Reference Guide" booklet for any information regarding the location of AUTHORISED FERRARI DEALERS AND SERVICE CENTRES





General remarks

This vehicle, which complies with EC homologation parameters, uses advanced technology and is capable of achieving high performance levels. It is equipped with sophisticated active and passive safety systems (described below). These safety features and systems do not authorise the driver to take risks other than those involved in normal driving since their preventive and protective action is guaranteed only in certain conditions. Unless otherwise instructed specifically by FERRARI (see the Safety chapter), the deactivation of any of the vehicle's safety systems is PROHIBITED.

While certain safety systems (e.g. the airbags) have been tested to ensure that they offer the highest possible 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.

Safe driving is subject to the following conditions AT ALL TIMES:

- the driver must be in perfect psycho-physical condition;
- road regulations (Traffic Regulations - Vienna Convention on Road Traffic that ended on 8 November 1968) 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.
- Caution and discipline are the basis of safe driving.
- Driving takes place in a naturally dangerous context in which a number of different risk factors interact. For this reason, drivers must drive bearing in mind that others, whether they are pedestrians, motorcyclists or motorists, can make mistakes. Keeping a safe distance allows emergency measures to be taken. Remember that national and international legislation requires that the driver of the vehicle must be

capable of performing corrective and/or emergency manoeuvres at all times.

- Correct and careful use of a vehicle derives, above all, from respect for one's own safety and that of others as well as from compliance with road regulations. Only this respect will help you experience all the emotions that driving this car can offer you.

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.

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 driver must pay the utmost attention to the signals of the vehicle and, in particular, 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. During routine operations, such as refuelling, 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 setting off make sure that the doors are closed by checking the warning lights and also manually. The driver must be fully acquainted with the vehicle and its controls in order to handle and drive it correctly. Command of the vehicle can be acquired/improved by attending the driving courses held by FERRARI which we strongly recommend.

The use of terms from the motor sports world (such as F1, SPORT and RACE) is merely indicative of the vehicle's competition-derived technology and does not endorse inappropriate behaviour on the road which does not comply with Traffic Regulations.



Most accidents are caused by distraction. The driver must 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 (e.g. ITT), media players (e.g. iPod), telephones with Bluetooth connectivity, etc. (whether merely audio-based or with display).

It is important to bear in mind that on-board systems may be distracting when driving since they may take a driver's attention off the road for several seconds. Aftermarket video entertainment systems for the passenger (e.g. TV) must be installed where they cannot distract the driver while the vehicle is in motion. 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.

Therefore, these systems may only be used (separately or in combination with others) by the driver:

- in complete safety (stopping the vehicle before use if necessary). Operations that are not involved with driving (e.g. changing dashboard functions), must be performed in maximum safety when the vehicle is stationary;
- putting road safety first; for example, under conditions of poor or limited visibility, looking at a display with active programmes can be distracting even if you take your eye off the road only for a split second;
- ensuring, if the previous vehicle owner has installed systems on the vehicle that are NOT APPROVED by FERRARI (car tuning), that they are fully compatible with the original vehicle equipment.

If the vehicle owner has installed one or more new systems, either fixed or removable, on the vehicle, make sure that these

- have the necessary certification;

- are fully compatible with the original vehicle equipment (i.e. they do not interfere with it);

- are fitted by skilled staff.

The FERRARI Technical Service Department and FERRARI Dealers and Authorised Service Centres can provide all the information needed to ensure that they are compatible.

Strict priority criteria must be observed when driving a vehicle: you must not therefore take your attention off the road.

In some countries, the use of entertainment/information systems is prohibited on vehicles when driving.

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

These considerations are not exhaustive, but only refer to some general issues that will be specifically dealt with in this Owner's Manual.

Introduction

The aim of this Owner's Manual is to help you get the best value from your vehicle and to provide information on routine maintenance: we advise you to read it carefully before setting out. The Owner's Manual should be considered an integral part of the vehicle and must therefore always be kept on board.

Using the product 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.

The FERRARI SALES AND SERVICE NETWORK will provide you with all the information on any updates. All specifications and illustrations contained in this manual are accurate as of the date of printing.

Spare parts

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

Warranty Booklet

Each new vehicle comes with a “Warranty Booklet”. This contains the vehicle’s warranty validity conditions.

This warranty does not affect the buyer's statutory rights as a consumer, which derive from binding legal norms in his or her favour, in the various states or countries, or from European Union regulations, towards the Dealer.

The Warranty Booklet also contains the routine maintenance indicated in the “Maintenance Schedule”.

Service

The information in this manual is necessary for the use and proper 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 FERRARI Authorised Workshops since they have highly skilled staff and the necessary equipment. In the case of erroneous maintenance or repairs (that do not conform to the technical repair standards and procedures adopted by FERRARI), undertaken by independent repair

centres, particularly if concerning safety systems or safety, FERRARI may decide to not carry out further repairs on the vehicle, unless the vehicle is restored so that it conforms to original parameters. The Customer Care Service, which may be contacted by calling the numbers indicated in the “Reference Guide” booklet enclosed with the vehicle documents, can provide information on the location of FERRARI DEALERS AND AUTHORISED SERVICE CENTRES. The FERRARI TECHNICAL SERVICE DEPARTMENT is at your complete disposal for any information and advice. If you have any doubts about the information provided in this manual or how to use or operate the vehicle, please contact the FERRARI SERVICE NETWORK.

Consulting the manual

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

1. General
Provides general information about your vehicle.
2. Safety
Describes the main safety systems in the vehicle.
3. About your Vehicle
Provides all necessary information for use of the vehicle.
4. Advice for Emergency Situations
Provides useful advice for solving problems that may occur.
5. Care of the vehicle
Provides advice for cleaning, care and routine maintenance of your vehicle.
6. Glossary
Explains the main technical concepts.
7. 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.

Abbreviations/Acronyms

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

A.C. - Air Conditioning

ABS - Anti Blokier System - anti-lock braking system

ASR - Antriebs Schlupf Regelung - anti-skid control under acceleration

DCT - Dual clutch transmission

EBD - Electronic brake force distribution

ECU - Electronic control unit

ESC - Electronic stability control

F1-Trac - Traction control system derived from race technology

E-Diff - Electronic differential

Environmental protection

Environment



The following chapter contains useful advice for environmental protection.

Important note



The vehicle is equipped with exhaust gas control and monitoring systems which must always be kept in perfect working order and controlled regularly.

FERRARI has designed and constructed a vehicle using technologies, materials and devices capable of reducing the harmful impact on the environment to a minimum. If you use your vehicle with respect for the environment, you too will contribute to environmental protection.

Fuel consumption as well as engine, gearbox, brakes and tyres 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 tyre pressure is correct.
- Monitor fuel consumption.
- Proper scheduled maintenance will contribute to keeping your vehicle in its original condition and to protecting the environment.



We therefore advise you to respect the service due dates indicated in the “Maintenance Schedule”.

Driving style

- Do not accelerate while the engine is cranking.
- Do not warm up the engine with the vehicle stationary.
- Drive carefully and always maintain a suitable safety distance for your speed.
- Avoid sudden and frequent acceleration or braking.
- Turn off the engine if the vehicle is stationary for prolonged periods.
- Shift gears at only 2/3 of the maximum engine speed permitted for each gear.
- Use the air conditioning in moderation.

End-of-life vehicle collection service (applies to EU countries only)

For many years, FERRARI has been globally committed to respecting and protecting the environment by constantly improving its manufacturing processes and developing increasingly eco-compatible products.

End-of-life vehicle regulations (EU Directive 2000/53/EC) stipulate that producers (vehicle manufacturers and professional importers) must take back end-of-life vehicle that they put on the market and ensure that they are disposed of in an environmentally responsible manner.

To dispose of your end-of-life FERRARI vehicle at no additional cost (with the exception of a de-registration fee and any transport costs), contact your nearest FERRARI dealer, which will take the vehicle to one of the authorised collection and disposal centres selected to ensure a service that meets quality standards for the collection, treatment and recovery of recyclable materials without harming the environment.

For further information, visit www.ferrari.com.

To dispose of a FERRARI end-of-life vehicle, the vehicle must be:

- in complete condition, with all main components such as the engine, transmission, bodywork, ECUs and catalytic converters;
- free from additional waste.

FERRARI thanks you for taking part in this environmental challenge.



Vehicle keys	12
Key and receiver homologation certificates	13
Replacing remote control batteries	15
Anti-theft system	16
Electronic alarm	17
Identification and homologation plates and labels	21
Dimensions and weights.....	27
Main engine specifications	30
Consumption and CO2 emissions	30
Transmission ratios	30
Performance	30
Electrical system	30
Wheel rims.....	31
Tyres	32
Refilling.....	37



1



GENERAL



Vehicle keys

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

- opening/closing doors mechanically;
- opening/closing doors remotely;
- keyless engine start;
- activating/deactivating the anti-theft system;
- opening the luggage compartment lid;
- activating the “welcome light”.

Important note



In the event of loss or theft, a duplicate may be requested from the FERRARI SERVICE NETWORK.

Important note



To guarantee optimum starting and driving, place the key inside the passenger compartment near the driving area.



Key codes

Warning



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

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 the FERRARI SERVICE NETWORK when requesting duplicate keys.

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.



1

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 6 keys) on all the keys.

Contact the Ferrari Service Network 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;
- documents proving ownership of the vehicle;
- a report of loss of keys made to the relevant authorities.

The codes of the keys that are not available when the new memorisation 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.

Key and receiver homologation certificates

Hereby, Continental, declares that this vehicle key is in compliance with the essential requirements and other relevant Provisions of the Directive 1999/5/EC.

Continental

Continental Automotive GmbH, Siemensstraße 12, 91055 Regensburg, Germany

Interior

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Sven.Kuball@continental-corporation.com

Date: 08.05.2015

Your message about: Declaration of Conformity

Your reference: Declaration of Conformity

Declaration of Conformity in accordance with Directive 1999/5/EC (R&TTE Directive)

Manufacturer: Continental Automotive GmbH
Address: Siemensstrasse 12
D-91055 Regensburg
Germany

Product type designation: A2C978008
Intended use: Radio frequency transmitter used in vehicle locking/unlocking systems

The product mentioned above complies with the essential requirements and other relevant provisions of Directive 1999/5/EC, when used for its intended purpose.

Health and safety pursuant to Art. 3(1)(a): Applied standard(s):
IEC 60950-1:2005 + C(ENR 2006 + A1 2008 + A2 2013)
EN 60950-1:2006 + A11 2009 + A1 2010 + A12 2011 + A2 2013
EN 60950-1:2007 + A11 2009 + C(ENR 2007 + A1 2011 + A12 2011 + A2 2013 + A2 2014)

Electromagnetic compatibility pursuant to Art. 3(1)(b): Applied standard(s):
EN 301 488-1: V1.8.2 (2011-08)
EN 301 488-3: V1.8.1 (2013-08)

Efficient use of spectrum pursuant to Art. 3(2): Applied standard(s):
EN 300 220-1: V2.4.1 (2012-08)
EN 300 220-2: V2.4.1 (2012-08)
EN 300 330-1: V1.7.1 (2010-02)
EN 300 330-2: V1.8.1 (2010-02)

The following marking applies to the above mentioned product: **CE**

Continental Automotive GmbH
Regensburg, 08.05.2015

Andreas Wolf
Executive Vice President
Body & Security

Norbert Möller
Director RD
Body & Security

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Product W: Vehicle Body Key, Product B: Body & Security, Product T: Body & Security, Product R: Body & Security, Product S: Body & Security, Product M: Body & Security, Product L: Body & Security, Product K: Body & Security, Product J: Body & Security, Product I: Body & Security, Product H: Body & Security, Product G: Body & Security, Product F: Body & Security, Product E: Body & Security, Product D: Body & Security, Product C: Body & Security, Product B: Body & Security, Product A: Body & Security



Interior

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dagmar.koller@continental-corporation.com

Date: May 14, 2014
Your message dated: _____
Our reference: _____
Your reference: _____

Declaration of Conformity in accordance with Directive 1999/5/EC (R&TE Directive)

Manufacturer: Continental Automotive GmbH
Address: Leonrodstrasse 12
D-93069 Regensburg
Germany

Product type designation: S180222004 and A2CR1227100
Intended use: Keyless entry and immobilizer system

The product mentioned above complies with the essential requirements and other relevant provisions of Directive 1999/5/EC, when used for its intended purpose.

Health and safety pursuant to Art. 3(1)(a):
Applied standard(s):
EN 50590-1:2006 + A11:2009 +
A1:2010 + A12:2011
EN 62209-1:2009

Electromagnetic compatibility pursuant to Art. 3(1)(b):
Applied standard(s):
EN 301 489-1 V1.9.2 (2011-09)
EN 301 489-3 V1.4.1 (2002-08)

Efficient use of spectrum pursuant to Art. 3(2):
Applied standard(s):
EN 300 330-1 V1.7.1 (2010-02)
EN 300 330-3 V1.1 (2010-02)

The following marking applies to the above mentioned product.

Continental Automotive GmbH
Regensburg, 2014-05-14

Andreas Wolf
Executive Vice President
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Norbert Müller
Director Research & Development
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1/1

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Sven.Kubel@continental-corporation.com

Date: 17.03.2015
Your message dated: _____
Our reference: _____
Your reference: _____

Declaration of Conformity

We, the undersigned, declare that

The Keyless Entry and Immobilizer Electronic Control Unit (ECU) S180243200 uses the same schematic, assembly and PCB as the ECU S180222004.

They only differ in:

The additional population of the ESCL (Electronic Steering Column Lock) line as KL15 output, which allows to provide 12 V to another ECU.

These modifications do not influence the RF characteristics of the radio transmitter and radio receiver.

Yours truly,

Regensburg, 17.03.2015

Andreas Wolf
Executive Vice President
Body & Security

Norbert Müller
Director RD
Body & Security

1/1

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Date: May 10, 2010
Your message date: May 10, 2010
Our reference: May 10, 2010
Your reference: May 10, 2010

Declaration of Conformity in accordance with Directive 1999/5/EC (R&TTE Directive)

Manufacturer: Continental Automotive GmbH
Address: Siemensstrasse 12
D-93055 Regensburg
Germany
Product type designation: 5WK50254, 5WK50252, 5WK50250, 5WK50248,
40398036, 40408557, 40398279
Intended use: Radio frequency receiver used in vehicle locking/unlocking systems

The product mentioned above complies with the essential requirements and other relevant provisions of Directive 1999/5/EC, when used for its intended purpose:

Health and safety pursuant to § 3.1.a: Applied standard(s):
EN 60950-1: 2006

Electromagnetic compatibility pursuant to § 3.1.b: Applied standard(s):
EN 301 489 -1: V1.8.1 (2008-04)
EN 301 489 -3: V1.4.1 (2002-08)

Efficient use of spectrum pursuant to § 3.2: Applied standard(s):
EN 300 220 -1: V2.1.1 (2006-04)
EN 300 220 -2: V2.1.2 (2007-06)

The following marking applies to the above mentioned product:



Continental Automotive GmbH

Regensburg, 2010-05-10

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General Manager:
Gerard Conzelmann,
Heinrich Metzsch,
Harald Stuhlmann

Replacing remote control batteries

If the key battery is flat or has barely enough charge to function, the vehicle system informs the driver via a message on the left hand TFT display.

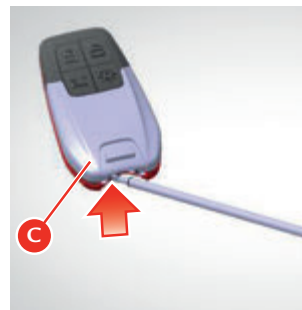
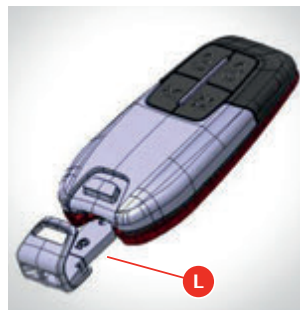
Replace the remote control batteries as follows:

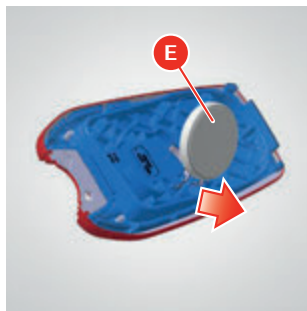
- remove the metal bar **L**;
- prise open the key cover **C** with a small screwdriver in the position indicated by the arrow;
- remove the battery **E**;
- fit a new battery of the same type, observing the indicated polarity;
- close the key cover **C**;
- refit the metal bar **L**.

Important note



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



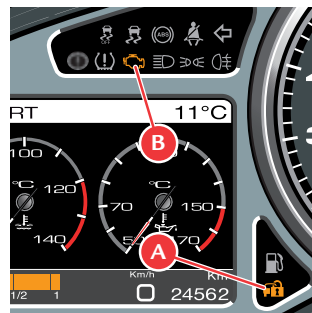


Anti-theft system

The Ferrari CODE system

The vehicle is equipped with an electronic immobiliser system (FERRARI CODE) which is automatically activated when the engine is switched off. The keys are equipped with an electronic device which transmits a coded signal to the FERRARI CODE ECU. Once this ECU has recognised the signal, it allows starting the engine.

Operating



Each time the engine is switched off, the protection system activates the immobiliser.

When the engine is started by pressing the ENGINE START/STOP button on the steering wheel:

1. If the key is recognised, the CODE indicator light **A** on the instrument panel extinguishes and the EOBD indicator light **B** only extinguishes once the engine has started after the ECU has completed its diagnostic cycle; in these conditions, the protection system has recognised the key code and deactivated
2. If the CODE indicator light **A** remains lit, the code has not been recognised. If this occurs, we recommend switching the instrument panel off and switching it back on again by pressing the ENGINE START/STOP button on the steering wheel; if the immobiliser device remains active, try with the other key provided.

Important note



If you still cannot restart the engine, contact the FERRARI SERVICE NETWORK.

While driving with the engine running:

1. If the CODE indicator light **A** illuminates, the system is performing a self-diagnostic cycle. At the first opportunity, you can stop and test the system: when you switch off the engine and switch it on again by pressing the ENGINE START/STOP button, the CODE warning light **A** comes on and should go out within one second. If the warning light stays on, repeat the procedure described previously after switching the instrument panel off for more than 30 seconds.
2. If the CODE indicator light **A** flashes, this indicates that the vehicle is not protected by the immobiliser.

Important note



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

Important note

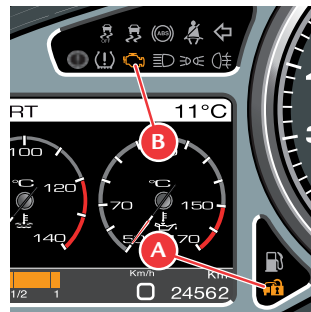


Contact the **FERRARI SERVICE NETWORK** immediately to have all the keys stored in the system memory.

Important note



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



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;
- volumetric surveillance, detecting intrusion in the passenger compartment;
- vehicle movement surveillance.

Activation

To turn on the alarm system, press button **F** on the key:

- the turn indicators flash once;
- the system beeps once;
- the red LED on the dashboard flashes;
- the central door locking system of the vehicle 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.

Warning



If the turn 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 the FERRARI SERVICE NETWORK to have the system checked.



If the turn indicators and the red LED on the dashboard flash 9 times when you activate the alarm system, it means that one of the doors or the front/rear lid is open or not closed properly and is therefore not protected by the perimeter surveillance. If this is the case, check that the doors and front/rear lids are closed properly and close any door or lid that is open without deactivating the alarm system: the turn indicators will flash once to indicate that the door or the front/rear lid is now closed properly and is protected by the perimeter surveillance.

Deactivation

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

- the turn indicators flash twice;
- the system beeps twice;
- the red LED on the dashboard extinguishes;
- the ceiling lights illuminate;
- the central door locking system of the vehicle 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 you can now get into the vehicle and start the engine.





Important note



To enter the vehicle if the remote control battery is flat, remove the metal bar L and insert the key into one of the two door locks and turn it to release the lock; the alarm siren will start to sound. Start the vehicle following the emergency procedures; The alarm siren will deactivate.

Deactivating the anti-lift alarm

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



Alarm memory

If, when the vehicle is started, the CODE symbol appears on the left TFT display for 10 seconds after the system diagnosis cycle, together with the message “Break-in attempted”, this means there has been an attempt to break into the car, causing the alarm to activate.

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

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

When the engine is switched on, the alarm system memory is reset.

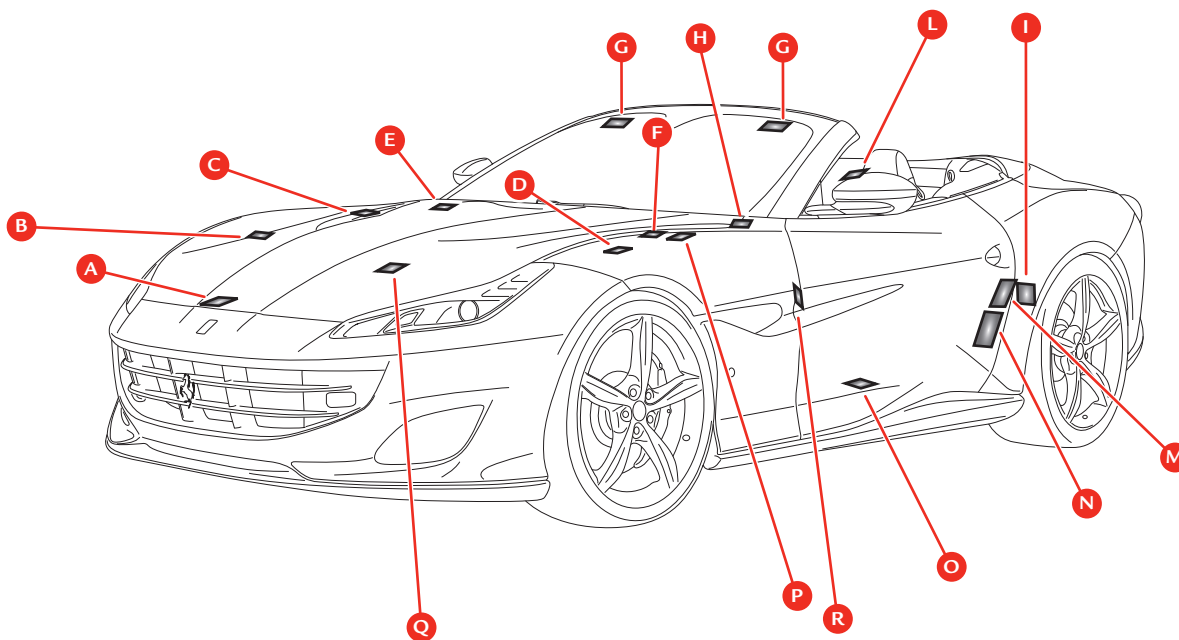
Homologation

The installed electronic alarm system complies with EU (European Union) regulations on electromagnetic compatibility and it is marked accordingly. For those markets that require the transmitter and/or receiver marking, the homologation number is found on the component.



Identification and homologation plates and labels

1





Summarised list of plates and labels

Ref	Label/plate	Position
A	Low-beam homologation	Engine compartment lid
B	Stop&Start system warning	RH engine compartment cosmetic shield
C	Radiator with antifreeze	RH engine compartment cosmetic shield
D	Engine and gearbox oil label	RH engine compartment cosmetic shield
E	ECE homologation	Engine compartment lid
F	Checking the engine oil level	RH engine compartment cosmetic shield
G	Passenger airbag warning	Sun visors
H	Chassis number	Windscreen
I	Vehicle identification	Rear passenger-side door jamb
L	Unleaded fuel	Fuel filler flap
M	Tyre pressure and type	Driver-side door
N	TPMS present warning	Driver-side door
O	Gearbox type and number	Gearbox housing
P	Original paintwork	Engine compartment lid
Q	Engine type and number	Crankcase
R	Assembly number	Under the left hand check strap

A Low-beam homologation



B Stop&Start system warning



C Radiator with antifreeze



D Engine and gearbox oil identification label



1



E ECE homologation



G Passenger side airbag warning



F Checking the engine oil level



H Chassis number





I Vehicle identification



L Unleaded fuel



M Tyre type and pressure



N TPMS present warning



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O Gearbox type and number



Q Engine type and number



P Original paintwork



R Assembly number





Dimensions and weights

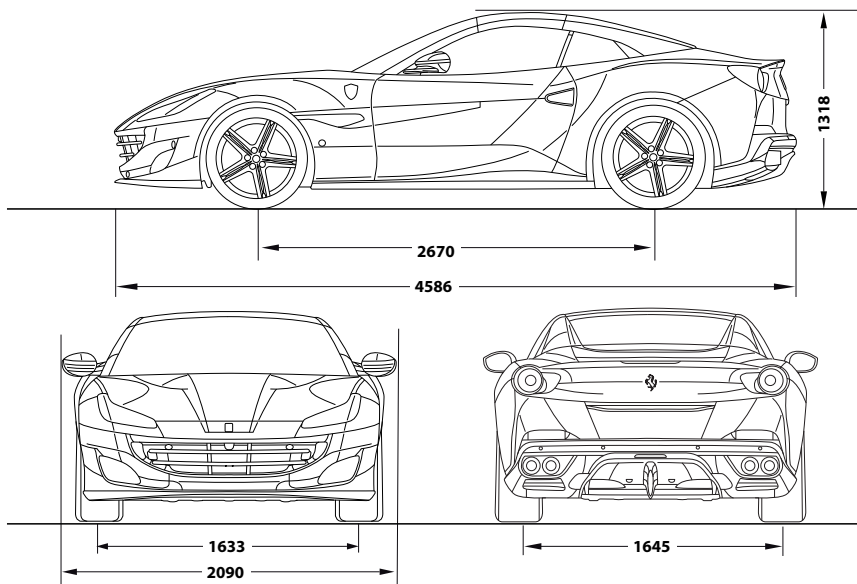
Wheelbase	2670 mm
Max. length	4586 mm
Max. width (with mirrors folded out)	2090 mm
Max. width (excluding mirrors)	1938 mm
Max. height	1318 mm
Front track	1633 mm
Rear track	1635 mm
Kerb weight*	1664 kg
Dry weight*	1545 kg

* considering the most favourable Optional combination





1





Main engine specifications

Main engine specifications table

Engine type	Ferrari F154 BD
Number of cylinders	8
Cylinder layout	V 90°
Cylinder bore	86.5 mm
Piston stroke	82 mm
Total displacement	3855 cm ³
Compression ratio	9.45:1
Maximum RPM (with limiting device)	7500 rpm
Max. power	600 HP (441 kW)
Corresponding RPM	7500 rpm
Max. torque	760 Nm
Corresponding RPM	5250 rpm

Consumption and CO2 emissions

Consumption and CO₂ emissions table

	l/100 km	g/km
City cycle	15.5	354
Motorway	8.0	183
Combined cycle	10.7	245

Transmission ratios

Transmission ratio table

Gearbox ratios	Differential/bevel gear pair ratio
1 = 3.397	
2 = 2.185	
3 = 1.626	3.875
4 = 1.286	
5 = 1.028	
6 = 0.839	
7 = 0.634	
R = 2.791	

Performance

Performance table

0 - 100 km/h	0 - 200 km/h	Max. speed
3.5 s	10.8 s	>320 km/h

Electrical system

General electrical system information table

Supply voltage	12 V
Alternator	Nippondenso 200 A SC5
Battery	FIAMM 12V - 70 A/h L3 VRLA 760A EN
Starter motor	Nippondenso



Wheel rims

Wheel dimensions

Front	Rear
8"Jx20" - 46.5	10"Jx20" - 43.5

Explanation of wheel rim codes

Example: **8.5"Jx20" - 46.5**

8.5" = Rim width in inches

J = Shape of rim edge (side projection where tyre bead rests)

20" = Rim diameter in inches

ET 46.5 = Offset (distance, in mm, between the centreline of the rim and inner rim surface)



Tyres

Summary tyre table

FERRARI-approved tyres		Dimensions	Inflation pressure (cold)	Fuel consumption	Wet grip	External rolling noise
Michelin XL Pilot Sport 4S K2	Front	245/35 ZR20 95Y	2.20 bar	C	B	71 dB
	Rear	285/35 ZR20 104Y	2.00 bar	E	B	73 dB
Pirelli PZERO	Front	245/35 ZR20 95Y	2.20 bar	E	B	69 dB
	Rear	285/35 ZR20 104Y	2.10 bar	C	B	70 dB
Bridgestone Potenza S007	Front	245/35 ZRF20 91Y	2.40 bar	F	C	71 dB
	Rear	285/35 ZRF20 100Y	2.30 bar	E	C	72 dB
Michelin Pilot Alpin PA4	Front	235/35 R20 M+S 92Y	2.40 bar	E	C	70 dB
	Rear	285/35 R20 M+S 104Y	2.30 bar	C	C	74 dB
Pirelli SOTTOZERO	Front	235/35 R20 M+S 92Y	2.10 bar	E	C	72 dB
	Rear	285/35 R20 M+S 104Y	2.00 bar	C	C	73 dB
Collapsible spare wheel (in the markets where available)	Can be used as a front and rear wheel	145/60 R20	4.20 bar			

Important note



If speeds are going to be kept at over 280 km/h for prolonged periods of time, inflate the Pirelli PZERO tyres to a pressure of 2.6 bar (front) and 2.5 bar (rear)

*: Regulation 1222/2009/EC



Warning

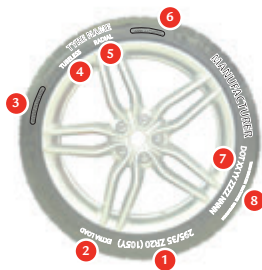


Maximum permissible speed with winter tyres is 240 km/h.

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Explanation of codes and wording on tyre side walls



1. Tyre dimensions and characteristics Example: **245/35 ZR 20 (105Y)**
245 = Nominal width (distance in mm from side to side)
35 = Height/width ratio as a percentage
ZR = Radial tyre that can withstand speeds above 240 km/h.
Combined with the specific load and speed code (in brackets), this indicates a tyre that can withstand speeds above 300 km/h.
20 = Rim diameter in inches
105 = Load index: numerical code associated with the maximum load permissible on the tyre at a given pressure, at the speed corresponding to the relative index. The maximum load permissible is indicated in kg and pounds in the wording (3).
Y = Speed rating. This indicates the maximum speed at which the tyre can withstand the load indicated in the load index.
The speed index Y, shown in brackets and associated with the abbreviation ZR, indicates a tyre that can withstand speeds above 300 km/h.
2. EXTRA LOAD: tyre with a high load capacity
3. Maximum permissible load indicated in kg and pounds, and maximum permissible inflation pressure indicated in kPa and psi.

4. TUBELESS: the tyre has no air chamber
5. RADIAL: radial tyre
6. Details of materials used in construction of tread and tyre side wall.
7. DOT XX YY ZZ NNNN
DOT (Department Of Transportation) specifications: marking relative to US regulations, with information on the manufacturer, production site, tyre type and size. The last four digits, in a box, indicate the date of manufacture: 1011 means that the tyre was manufactured in the 10th week of 2011.
8. Uniform Tire Quality Grading: standard, defined by the US Department of Transportation, that classifies tyre performance in terms of treadwear, traction and temperature resistance.

Warning

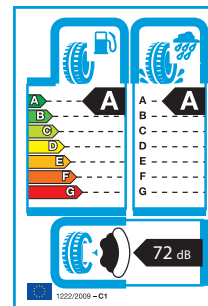


The FERRARI SERVICE NETWORK is suitably equipped to replace tyres and to determine whether a tyre is safe for use. Only have the tyres replaced by the FERRARI SERVICE NETWORK which has the necessary equipment since careless handling may damage the sensor inside the wheel rim.

Tyre speed rating table

Speed Index	Maximum permissible speed (km/h)
M	130
N	140
P	150
Q	160
R	170
S	180
T	190
U	200
H	210
V	240
W	270
Y	300
ZR (... Y)	> 300

Regulation no. 1222/2009/EC (applies to EU countries only)



Regulation no. 1222/2009/EC states that all tyres sold in EU countries produced after 1 July 2012 must bear a label (as shown in the bottom right) containing important information on performance. The aim of the regulation is to provide consumers with more information on safety (wet grip) and environmental (rolling resistance and external rolling noise) issues in order to promote the use of safer, quieter and more efficient tyres.

The label provides the following information:

Fuel consumption

The fuel consumption of a vehicle is influenced by the tyre rolling resistance. There is a scale with 7 levels, from A to G, on the left of the label where “A” indicates the best tyre class for reducing fuel consumption with lower rolling resistance.



Wet grip

On the right of the label, there is a scale for tyre performance when braking on wet roads. Measurements are taken under test conditions defined in the European Regulation. The scale has 7 levels, from A to G, where “A” indicates the maximum wet grip.

External rolling noise

The bottom of the label indicates the external noise level of the tyre. The external noise level is measured in decibels (dB) and is divided into 3 categories based on the new, stricter European levels of external tyre noise which will be introduced by 2016.

1 black sound wave: 3 dB below future European limit

2 black sound waves: complies with future European limit

3 black sound waves: complies with current European limit



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Refilling

Fuel and fluids table

Parts to be refilled		Quantity	Fluid specifications for correct operating of vehicle:	Product recommended by Ferrari:
Engine lubrication system	Total system capacity Oil level between Min. and Max. Oil consumption per 1000 km	13 l ⁶⁾ 1.5 l ⁷⁾ 1.0 - 2.0 l ⁸⁾	Synthetic engine oil SAE ¹⁾ 5W-40 API ²⁾ SN/CF ACEA ³⁾ A3/B4	SHELL Helix Ultra SAE 5W-40
DCT gearbox gears hydraulic syst.		3.5 l	Synthetic transmission fluid SAE ¹⁾ 75W-90 API ²⁾ GL-4 / GL-5 / MT-1	SHELL Spirax S5 ATE 75W-90
DCT gearbox clutch hydraulic syst.		7.75 l	Synthetic transmission fluid 7DCL750 ⁹⁾	SHELL DCT-F3
Brake hydraulic syst.		1.1 l	DOT4 ⁴⁾ synthetic brake fluid	PETRONAS Tutela Brake Fluid Extreme HT
Engine cooling syst.		21 l	Protective antifreeze coolant pre-diluted to 50% concentration with demineralised water	KEMETYL CARIX Premium Longlife, to be diluted to 50% concentration with demineralised water
RHT system	Total system capacity Oil level between Min. and Max.	0.2 l 65 ml	Synthetic fluid for hydraulic systems ZH-M ⁹⁾	Castrol Hyspin ZH-M
Fuel system		80 l (19 l)	Unleaded petrol (at least 95 R.O.N. ⁵⁾)	Unleaded petrol (at least 98 R.O.N. ⁵⁾)
A/C system	Compressor Refrigerant gas	180 cc 475 ± 25g	Compressor oil PS-D1 Refrigerant gas R 1234yf	
Windscreen washer system		3.0 l	Mixture of demineralised water and glass cleaner	



Key:

1. **SAE - Viscosity grade:** example SAE 5W - 40
5W = indicates the viscosity grade at low temperatures (winter)
40 = indicates the viscosity grade at high temperatures
2. **API - American Petroleum Institute:** e.g. SN/CF
SN = the first letter indicates that an engine oil is suitable for petrol engines, the second letter indicates the oil quality based on API tables.
CF = the first letter indicates that an engine oil is suitable for diesel engines, the second letter indicates the oil quality based on API tables.
3. **ACEA - European Automobile Manufacturers' Association:** e.g. A3/B4
A3 = indicates a high performance engine oil suitable for petrol engines.
B4 = indicates a high performance engine oil suitable for diesel engines.
4. **DOT - Brake fluid classification:** indicates the chemical/physical characteristics of the brake fluid in question.
5. **R.O.N. - Octane rating:** indicates the knock resistance of petrol.
6. **Total system capacity.**
7. **Quantity between MIN and MAX.**
8. **Consumption.**
9. **Meets specification.**

Important note



For optimal engine performance and efficiency, Ferrari recommends using unleaded petrol with an octane rating (R.O.N.⁵⁾ of 98 or higher.

Warning



Only refuel with unleaded petrol (at least 95 R.O.N.⁵). The use of unleaded petrol with a R.O.N.⁵ below 95 can cause malfunctioning and is not recommended. Never put leaded petrol in the fuel tank, not even in emergencies.

Compatible fuel identification label

The Directive 2014/94/EU states that all vehicles registered in EU countries after 12 October 2018 must have an adhesive label that indicates which fuels are compatible with the vehicle.



Important note



This vehicle is suitable for use with unleaded fuel with a maximum of 10% ethanol (E10).



Warning



The use of fuels with 10% to 25% ethanol can lead to malfunctioning.
The use of fuels with over 25% ethanol can cause permanent damage to the engine fuel system.

1

Passive safety	43
Active safety	44
Seat belts	44
How to fasten seat belts	45
Pregnant women	47
Use of rear seat belts	47
Pretensioners	48
Seat belt and pretensioner care	49
Child safety	50
Auxiliary Occupant Protection Systems (driver and passenger)	53
Driver and passenger airbags	54
Side airbags	58
Fuel inertia switch	60
ABS and EBD	60
FBP - Ferrari Brake Prefill	61
ESC - Electronic Stability Control	61

F1-Trac	62
E-Diff	62
EPB - Electric parking brake	63
ERA-GLONASS System (if available)	64
Roll bar	65
Tyre temperature and pressure monitoring system (TPMS)	66



SAFETY



Introduction to safety chapter

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 recommendations

This vehicle has been built to comply with homologation regulations that also concern safety and environmental protection.

It has high technological standards which must always be accompanied by careful and cautious driving.

Particular attention must be paid to:

- Overheated components. High temperatures develop in the engine compartment near 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 on vehicle such as belts, fans etc. These are always adequately protected. Do not remove the guards or operate on the moving parts without taking due precautions.
- Pressurised systems such as the braking system, air conditioning system, cooling system and lubrication system may contain high pressures. Do not perform any operation which may cause gas or liquids to spill out with the risk of injury to persons and damage to things.

Emissions

Warning



The exhaust gas produced by the running engine may be hazardous, especially in enclosed spaces. As well as consuming oxygen, the engine

discharges carbon dioxide, carbon oxide and other toxic gases. Fuel is highly flammable and releases vapours which may be poisonous if inhaled. Do not use naked flames or create sparks near the open fuel tank or in any other condition where fuel comes into contact with air.

Lubricants

Warning



The oils used may also be inflammable: take the same precautions as those adopted for 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 naked flames or create sparks near the battery.

Fuel inertia switch

Warning



Seat belts must be worn at all times and must be properly fastened and adjusted! Correct use of the seat belts can significantly reduce the risk and severity of injury if an accident occurs or if the vehicle overturns.

Warning



For 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 centre of the shoulder (not the neck) and the abdominal section is fitted over the hips (not the abdomen). Make sure that the belt 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



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 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.

Do not sit babies, small children or other persons on your lap. the weight of the child may cause the adult to lose their grip; this may lead to serious or even fatal injury to the child.

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 with the following seat belts:

- 3-point driver seat belt with pretensioner and load limiter
- 3-point passenger seat belt with pretensioner and load limiter

Warning



Auxiliary safety systems are not a substitute for seat belts. All occupants must always wear a seat belt. Correct use of the seat belts combined with use of the auxiliary safety systems provides optimal protection to the occupants in various types of collisions.

The vehicle is also equipped with the following auxiliary components of the occupant protection system:

- driver side front airbag
- passenger side front airbag
- Driver's head protection side airbag (head bag)
- Passenger head protection side airbag (head bag)
- seats
- deformable body
- occupant protection system ECU
- ECU auxiliary sensors
- instrument panel indicator lights
- inertia switch
- two child seat lower anchor points in the seat behind the front passenger
- two child seat lower anchor points in the seat behind the driver
- one child seat upper anchor point in the seat behind the front passenger
- one child seat upper anchor point in the seat behind the driver

Warning



The protective action of the airbags is always integrated with the seat belts and the pretensioners. The compulsory use of the seat belt is provided by the national regulations (in Italy, for example, by the Codice della Strada, i.e. Traffic Regulations).

Deformable body

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



The passenger compartment structure, on the other hand, has been designed to provide maximum resistance without undergoing deformation in order to guarantee a protective survival cell for the occupants.

Active safety

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

The vehicle has been designed to provide a high level of safety for whoever uses it. The following systems are specific active safety components:

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

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

In some situations, fast acceleration is important to get out of dangerous situations. However, always use the accelerator with extreme caution. During acceleration of the driving wheels, the anti-skid system may help you in certain dangerous situations.

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

It is very important to be able to see the road clearly and be seen and external lights must be turned on when the conditions so require.

Seat belts

Statistics show that when used correctly, 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 unfastened, 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



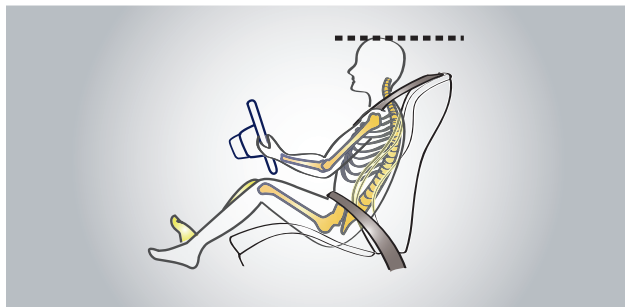
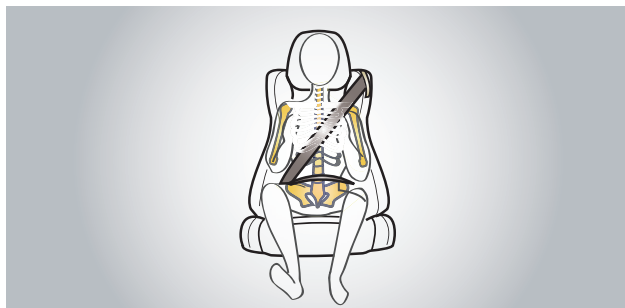
Seat belts must be worn at all times and must be properly fastened and adjusted! Correct use of the seat belts can reduce the risk of serious injury in the event of an accident or if the vehicle overturns.

Warning



For 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 centre 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 the proper operation of the seat belts.

The seat belts have a lap-shoulder belt with an automatic emergency-locking retractor and are fitted with a pyrotechnic-powered pretensioner and an automatic system that reduces the force applied to the occupant.



Warning



Do not let the seat belts come into contact with cutting edges. They may get damaged and may consequently break in the event of a collision. If a seat belt has come into contact with cutting edges or was somehow perforated, we recommend that you have it immediately replaced by the FERRARI SERVICE NETWORK. 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 the FERRARI SERVICE NETWORK immediately.

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



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 the FERRARI SERVICE NETWORK immediately.

How to fasten seat belts

Warning



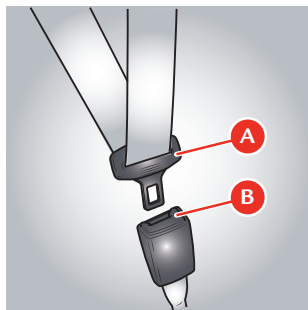
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closely over your body; if not, in the event of a head-on collision, it may move and cause injury to the abdomen. Avoid wearing bulky clothing that may interfere with the proper operation of the seat belts.

After positioning the seat correctly:

- Grip the latch **A**, pull the belt slowly and insert the latchplate into the buckle **B** (if the belt locks while you are pulling it out, let it wind back a little and pull it out again without jerking).



Important note



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

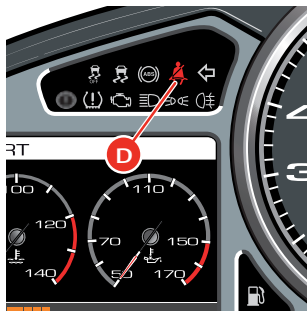


- Make sure that it has clicked into the locked position: hold the belt and pull it to check that the latch plate has been inserted correctly.
- Position the seat belt correctly.

If the driver seat belt is not fastened, when the vehicle system is activated (KEY-ON), the warning light **D** on the instrument panel illuminated and remains lit until the seat belt is fastened. 55 seconds after a speed of 10 km/h is exceeded, a buzzer sounds warning the driver that the seat belt is not fastened.

When a speed of 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 or, in any case, every time the engine is turned off and then on.



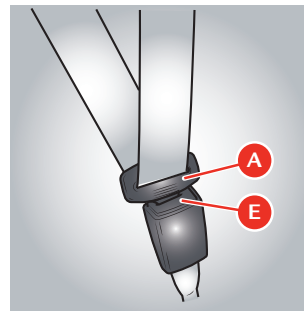
Warning



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**
- Accompany the latch **A** back to its rest position.



Pregnant women

The best protection for pregnant women and their unborn babies is to wear the seat belt correctly. This significantly reduces the risk of injury to the baby. As a result, pregnant women must always wear a seat belt unless specifically directed otherwise by a medical practitioner.

The upper part of the diagonal section of the seat belt must lie snug on the front of the shoulder, pass between the breasts down to the abdomen.

The horizontal strap must sit snug as low as possible under the abdomen.

Use of rear seat belts

Warning



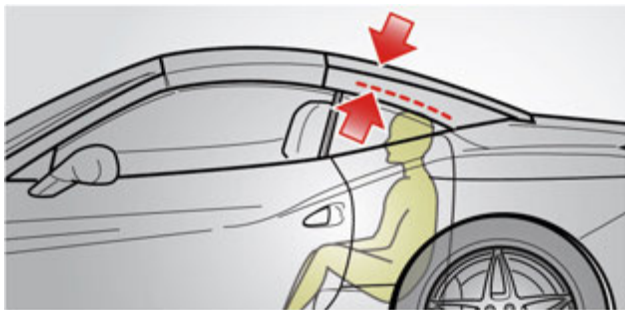
Remember that, in the event of a violent impact, passengers in the rear seats who are not wearing seat belts are not only subject to personal injuries (they can be projected forward, hit the windscreen and be thrown out of the vehicle) but also constitute a danger to the passengers in the front seats.



Warning



Only people who are less than 1.50 m tall may travel on the rear seats. The minimum distance between the head of a rear passenger seated correctly and the rear screen must be at least 2.5 cm. People who are taller and travel on the rear seats may risk serious injury if there is an accident. People who are taller and travel on the rear seats risk serious injury if the retractable hard top is opened or closed.

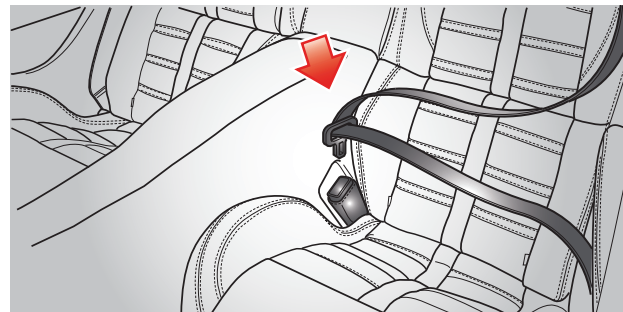


Warning

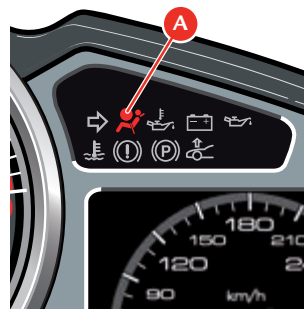


The retractable hard top **MUST** only be opened or closed when no persons and/or children are occupying the rear seats.

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



Pretensioners



The seat belts are fitted with pyrotechnic-powered pretensioners. The pretensioner is activated by the airbag ECU where there is:

- a sufficiently severe head-on collision (direction of impact between 11 and 1 o'clock)
- a sufficiently severe lateral collision
- a lateral roll-over

The belt will rewind a few centimetres just before the restraining action begins, thereby improving the fitting across the occupant's body.

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

Warning



If there is a side collision, only the pretensioner on the side where the collision occurs will be activated.

Important note



When a pretensioner is activated, a small amount of smoke is released. This smoke is not harmful.

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

Warning



Activation of the pretensioners only depends on the status of the seat belts and is not affected by the occupants' presence. If the seat belt is not fastened, the pretensioner will not activate, even if the seat is occupied.

Warning



Pretensioners that have been activated will no longer function and may not be repaired under any circumstances. Contact the FERRARI SERVICE NETWORK for replacement.

Seat belt and pretensioner care

- 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 anchor points are tightened fully and that the seat belt is in perfect condition and slides smoothly.
- The seat belt must be kept clean; the presence of any dirt could prevent the seat belt retractor from working properly.
- To clean the seat belt, wash by hand with mild soap and water and let it dry. Do not use strong detergents, bleach or aggressive solvents, as they can weaken the fibres. Make sure the retractors do not get wet; proper functioning is only ensured if they are kept dry.
- The pretensioner requires no maintenance or lubrication.
- Pretensioners must be replaced at regular intervals as indicated in the "Warranty Booklet".

Important note



If immersed in water or mud, it must be replaced.

Important note



All work on any part of this safety system must be performed by the FERRARI SERVICE NETWORK.

Warning



Removing or making modifications of any kind to the seat belts, belt retractors and pretensioners is not allowed. Maintenance work involving strong impacts, vibrations or heating of the pretensioner area may activate them; vibrations caused by bumps in the road will not have this effect



Child safety

Warning



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

In a number of countries, the transportation in vehicles of children and infants is governed by specific legislation.

Drivers are obliged to comply with applicable regulations.

Warning



If we use a risk assessment matrix that combines the likelihood of an event occurring and its consequences, we can see that a child in a child seat installed on the front seat presents a serious risk and the responsibility of the driver is therefore high. All possible precautions should be taken. Even in latest generation vehicles, statistics show that the rear seats are the safest position for transporting babies and children.

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



As indicated on the label on the sun visor: **NEVER** use a rearward facing child restraint system on a seat protected by an **ACTIVE FRONTAL AIRBAG**. Risk of **FATAL** or **SERIOUS INJURY** to **CHILDREN**.



Because of their size, children are at greater risk than adults. Suitable child restraint or safety systems must therefore be used and seat belts should only be used to secure the child seats.

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 homologated child restraint systems that bear the proper test marking. Child seats homologated according to the ECE-R 44 standard bear this alphanumeric code (a letter "E" in a circle with the approval number underneath) followed by the name of the group (e.g. Group 2).

Warning



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

The seat belts on the vehicle have been designed and tested to protect persons who are over 1.50 m tall.



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.

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.

Follow the instructions given by the manufacturer of the child restraint system when choosing, installing, positioning, and using the restraint system. Failure to observe the instructions may impair the protective function of the system.

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 at the FERRARI SERVICE NETWORK.

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. The applicable homologation standard is ECE-R 44 (a letter "E" in a circle with the approval number underneath), and is followed by the denomination of the group (e.g. Group 2);
- it is suitable for the height and weight of the child transported (follow the instructions in the child restraint system use and maintenance manual precisely);
- 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 may be thrown against the dashboard or the windshield: this may lead to serious or even fatal injury to the child.

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.

Warning



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



Front passenger seat

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

Important note



Child restraint systems must NOT be installed on the front passenger seat.

Rear seats

Statistics show that the rear seats are the safest position for transporting babies and children.

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 in a restraint system may be thrown against the dashboard or the windscreen: this may lead to serious or even fatal injury to the child.

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.

Warning



If you carry a child in a child restraint system placed on one of the two rear seats, do not lower the backrest of the other rear seat or the central partition between the luggage compartment and the passenger compartment.

Warning



Do not lower the backrest of the rear seat where the child restraint system is installed

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

To activate the automatic 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.

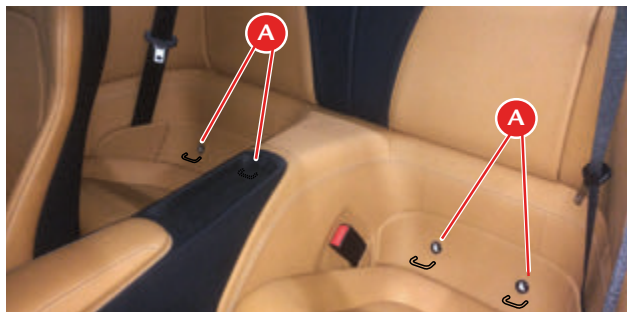
The fact that the belt cannot be pulled out confirms that the belt locking system has been activated.

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

Warning



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



Both the rear seats of the vehicle have a universal ISOFIX fastening system consisting of two lower anchor points.

The lower anchor points **A** are located between the rear seat cushion and the backrest. The lower anchor points are marked with a special symbol to make them easier to identify.

The vehicle has no upper anchorage systems.

Important note



For child restraint systems that can be installed on the rear seats, see TAB 2.

TAB 2.

Child restraint systems that can be installed on rear seats with ISOFIX

Key

U = suitable for “Universal” category restraint systems approved for use in this weight group.

0UF / IUF = suitable for forward-facing “Universal” category restraint systems homologated for use in this weight group.

X = seat not suitable for children in this weight group.

GROUP	WEIGHT GROUP	SIZE CLASS	FASTENING	REAR SEAT, DRIVER SIDE AND OPPOSITE DRIVER-SIDE
0	0 - 10 kg	E	ISO/R1	X
0+	0 - 13 kg	E	ISO/R1	X
0+	0 - 13 kg	D	ISO/R2	X
0+	0 - 13 kg	C	ISO/R3	X
1	9 - 18 kg	D	ISO/R2	X
1	9 - 18 kg	C	ISO/R3	X
1	9 - 18 kg	B	ISO/F2	X
1	9 - 18 kg	B1	ISO/F2X	IUF
1	9 - 18 kg	A	ISO/F3	X

Auxiliary Occupant Protection Systems (driver and passenger)

Warning



Auxiliary safety systems are not a substitute for seat belts. All occupants must always wear a seat belt. Correct use of the seat belts combined with use of the auxiliary safety systems provides optimal protection to the occupants in various types of collisions.



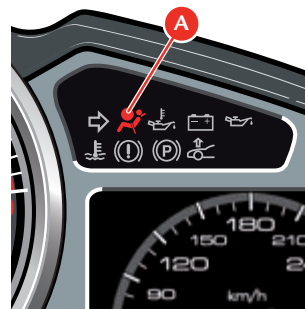
Auxiliary Occupant Protection System components (driver and passenger)

The Auxiliary Occupant Protection System components are:

- Seat with built-in headrest;
- dual stage driver side front airbag;
- dual stage passenger side front airbag;
- driver side lateral head protection airbag
- front passenger side lateral head protection airbag;
- Electronic Control Unit (ECU);
- additional sensors;
- instrument panel warning light;
- driver seat belt (with pretensioner and automatic system to mitigate force applied to occupant);
- passenger seat belt (with pretensioner and automatic system to mitigate force applied to occupant);
- body with crumple zones.

The front driver's airbag and front passenger airbag have been designed to increase the level of protection offered by the seat belts in the event of a head-on collision.

The driver side and passenger side lateral head protection airbags have been designed to increase the level of protection provided by the seat belts in the event of a lateral collision or lateral roll-over and form a cushion between the occupant's head and external structures which could penetrate the passenger compartment and cause injury



Warning



The indicator lamp **A** illuminates when the ignition is turned to ON, and extinguishes after 4 seconds if no faults are detected. If the warning light does not come on, if it remains on or if it comes on while driving, contact the **FERRARI SERVICE NETWORK** immediately.

Driver and passenger airbags

Warning



The front airbags do not provide protection in the event of side-on 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 reduce the risk of injury in the event of a roll-over or subsequent collision.

Warning



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

Warning

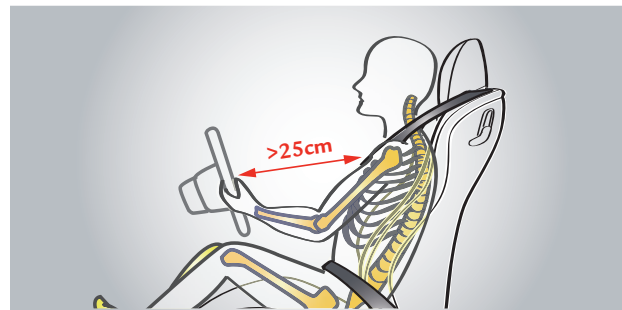


The driver and the front passenger must maintain a distance of at least 25 cm from the steering wheel and the dashboard. Always drive with your hands on the rim of the steering wheel so that in the event of activation, the airbag can deploy without obstruction. Driving with your hands on the steering wheel spokes or on the airbag cover increases the risk of injury for your wrists and arms.

Warning



The front passenger must be seated correctly and must avoid putting hands, feet or legs on the dashboard since if the front airbag is activated, it may cause injury to legs and prevent the airbag from working properly.



Operating

The front airbags are controlled by an ECU which activates them when there is a sufficiently severe head-on collision (direction of impact between 11 and 1 o'clock p.m.).

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

The airbags deflate immediately afterwards.

Warning



The vehicle is not equipped with a passenger airbag deactivation device

Warning



The driver and front passenger should not carry objects (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 fumes, 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:

- the airbag control unit will not deploy the airbag in the event of a minor impact;
- in the event of a more severe impact, the ECU deploys the driver airbag in reduced force mode;
- in the event of a very severe impact, the ECU deploys the driver airbag in full force.

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

- the airbag control unit will not deploy the airbag in the event of a minor impact;
- in the event of a more severe impact, the ECU deploys the passenger airbag in reduced force mode;
- in the event of a very severe impact, the ECU deploys the passenger airbag in full force.

Warning



Even in vehicles with Advanced Airbag Systems, statistics show that the rear seats are the safest position for transporting babies and children. Children must always be transported on the rear seats.

Warning



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

Important note



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.

If the instrument panel is active (KEY_ON), the airbags may still be deployed when the vehicle is stationary if it is hit by a moving vehicle even if the engine is off. Remember that if the instrument panel is switched off, none of the safety devices (airbags or pretensioners) will be activated in the event of a collision; failure of the airbags to inflate 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



Do not place objects above or near the top of the dashboard and the steering wheel. In the event that the airbags are deployed, these objects would be projected into the passenger compartment at such a high speed that this would seriously jeopardise the safety of the occupants.

Warning



Never modify the airbag modules. Do not damage the airbag modules (for example pinning something onto them or placing objects against their covers). If, for any reason, an airbag cover gets damaged, have the airbag module immediately checked by the FERRARI SERVICE NETWORK. Activation of a damaged module may cause serious or fatal injury

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 a FERRARI SERVICE NETWORK CENTRE.

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 the FERRARI SERVICE NETWORK 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 inflate with consequent damage and injury, even fatal.

Environment



To scrap the vehicle, please contact the FERRARI SERVICE NETWORK 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 the FERRARI SERVICE NETWORK.



Warning



As indicated on the label on the sun visor: **NEVER** use a rearward facing child restraint system on a seat protected by an **ACTIVE FRONTAL AIRBAG**. Risk of **FATAL** or **SERIOUS INJURY** to **CHILDREN**.

Side airbags

Warning



Airbags are not a substitute for seat belts but they increase their efficiency. Correct use of seat belts, with the supplementary action of the side airbags, offers maximum protection in the event of a collision or vehicle roll-over.

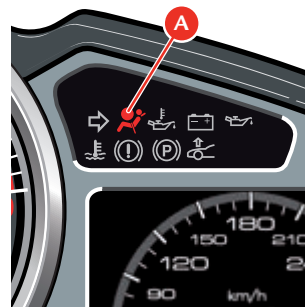
Side airbag system components

Warning



The side airbags fitted on the vehicle have not been designed to reduce the risk of being thrown out in the event of vehicle roll-overs.

The vehicle has 2 side airbags, one in the driver-side door panel and the other in the passenger-side door panel. The side airbag system consists of 2 airbags, one on each door. In the event of a side collision, the airbag on the impact side deploys immediately to protect the occupant's head.



Warning



The indicator lamp **A** illuminates when the ignition is turned to ON, and extinguishes after 4 seconds if no faults are detected. If the warning light does not come on, if it remains on or if it comes on while driving, contact the **FERRARI SERVICE NETWORK** immediately.



Operating

The side airbags are controlled by the ECU that activates 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 or a side roll-over, this will transmit a signal that activates the pretensioner and the side airbag on the impact side.

The airbag will start inflating, opening its cover along the breaking line, until it is fully deployed (in a few hundredths of seconds). After deployment, the side airbag will be positioned as a protection between the driver's or passenger's head and the external structures which could penetrate the passenger compartment and cause injury. The airbags deflate immediately afterwards. Side airbag activation is not affected by the occupant's height or weight. The side bag is activated whenever the airbag ECU detects a collision of a sufficient impact 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-on collision, this position increases the risk of being thrown out of the vehicle and compromises the protective effect of the side airbags.

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 jeopardise the safety of the occupants.

Warning



Never modify the airbag modules. Do not damage the airbag modules (for example pinning something onto them or placing objects against their covers). If, for any reason, an airbag cover gets damaged, have the airbag module immediately checked by the FERRARI SERVICE NETWORK. Activation of a damaged module may cause serious or fatal injury

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 offer any protection; therefore, they cannot be repaired and must be replaced. After activation of a side airbag, have it replaced by the Ferrari Service Network.

Important note



NEVER attempt to remove door panels yourself. If required, this operation must be performed by the Ferrari Service Network.



Fuel inertia switch

The fuel inertia switch is a safety device which deactivates the fuel pump relays if a collision occurs.

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

When the fuel inertia switch is activated, the doors are also unlocked (if locked) and the central dome light comes on.

Warning



The fuel pump relays can be reactivated by pressing button A on the floor in front of the driver's seat.



ABS and EBD

The **ABS** system is a safety device which activates to prevent wheel locking if the driver presses the brake pedal too sharply, especially under low grip conditions.

The system is composed of:

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

These features work in addition to the vehicle's standard braking system, without altering its basic characteristics

Important note



When the **ABS** system is active, during emergency braking or in low grip conditions, a “pulsing” sensation will be felt through the brake pedal. **Keep the brake pedal depressed to continue braking**

When one of the wheels starts locking, the hydraulic control unit controls the braking circuit by running a 3-phase cycle:

- reduction (if necessary)
- maintenance
- pressure increase in the hydraulic circuit

In the event of **ABS** activation under braking, these regulation cycles will be repeated until the car comes to a stop or pressure on the brake pedal is reduced.

In addition, the system offers the following advantages:

- Vehicle stability (wheels do not lock up): even in the event of sudden, intense braking approaching the limit of grip
- Manoeuvrability (vehicle does not skid when performing sudden direction changes)
This means that even when an emergency situation requires sudden braking, the driver can avoid obstacles, or brake on a curve, without affecting the vehicle stability.
- Optimised braking distance: depending on the type of road surface, the braking distance may be reduced.

Important note



ABS system performance remains unaltered as long as the speed limit for the tyre side grip is not exceeded. If this limit is exceeded, vehicle skidding cannot be avoided.

Important note



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

Important note



The ABS system improves braking distances in all conditions, but cannot compensate for the driver's failure to maintain safety distances or loss of control in poor road conditions.

The purpose of the ABS system is to maximise the efficacy of the brake system in all situations, and, in particular, at the limit of grip of the tyres and in changing road surface conditions.

FBP - Ferrari Brake Prefill

Brake design parameters provide a set distance between the brake pads and discs (the “air gap”): as soon as the brake pedal is pressed, the presence of the air gap leads to a slight delay in brake response.

The FBP (Ferrari Brake Prefill) system eliminates the air gap by applying slight pressure to the braking system as soon as the accelerator pedal is released just before braking. This results in more immediate brake response and reduces braking distance during emergency braking thereby improving safety.

ESC - Electronic Stability Control

The ESC system consists of two main systems:

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

To provide optimal control in different driving and grip conditions, the following settings have been developed:

1. (Manettino set to COMFORT) ensures stability and maximises traction in medium to high grip conditions only with optimised brake and engine control
2. (Manettino set to SPORT) enhances the racing features of the vehicle by reducing engine control to a minimum and maximising brake control. This mode is intended to ensure stability in high grip conditions only
3. (Manettino set to ESC OFF) ESC off. Stability is **NOT** guaranteed, but all other auxiliary systems, such as ABS, EBD and the E-Diff electronic differential, remain active. The VDC system remains active under braking.



F1-Trac

F1-Trac is a traction control system derived directly from FERRARI's expertise in F1.

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

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

Important note



F1-Trac does not work when the Manettino is set to the ESC OFF driving mode.

The main feature that distinguishes the F1-Trac system from a traditional traction control system lies in its ability to estimate grip level accurately which allows the driver to make full use of the vehicle's performance driving potential.

The F1-Trac system guarantees:

- maximum traction when exiting bends;
- stability and driveability even in extreme driving conditions;
- driving comfort.

On this vehicle, the F1-Trac and E-Diff systems work in conjunction to ensure maximum performance and stability.

E-Diff

The vehicle is equipped with an electronic differential, working on the rear axle, which continually performs a variable check on the locking between the two axle shafts.

The electronic differential system, integrated with F1-Trac traction control, is capable of improving:

- performance;
- directional stability of the vehicle;
- active safety even when close to grip limit;
- driving pleasure and driveability.

The system is based on the analysis and forecast of vehicle performance in all possible conditions. This is done by continually monitoring the pressure of the clutch actuator on the differential.

The input signals are the dynamic parameters of the vehicle that the control system translates into a torque difference between the two driving wheels.

On bends, the electronic differential can:

- stabilise the vehicle when the accelerator pedal is released by locking the rear axle;
- control vehicle dynamics by locking the differential proportionally in relation to lateral acceleration and vehicle speed;
- maximise both vehicle stability and acceleration when negotiating bends by locking the differential proportionally in relation to lateral acceleration, speed, selected gear and torque produced by the engine.

To obtain these results, the electronic differential system interacts with the F1-Trac, ESC and ABS systems, F1 gearbox and suspension damping control (if available).

EPB - Electric parking brake

On this vehicle the parking brake is actuated by an electric motor.

The parking brake can be applied and released by pulling a special lever **B** on the dashboard to the left of the steering wheel. When the instrument panel has been activated (KEY-ON), the relative warning light comes on on the instrument panel to indicate that the parking brake is engaged

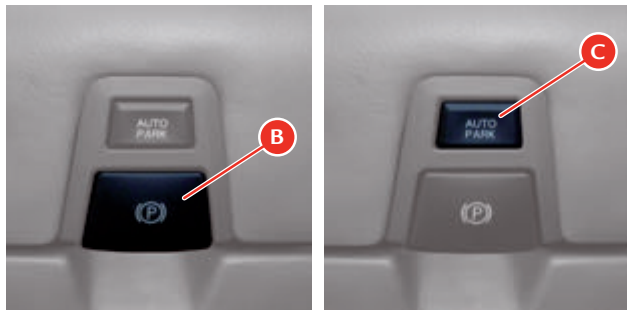
To release the parking brake, pull lever **B** and keep the brake pedal pressed. If the instrument panel is activated, the warning light goes out when the parking brake has been fully released.

The electric parking brake can be used as an emergency brake when the vehicle is in motion. If this is the case, the system acts on all four wheels until button **B** is released by communicating with the ESP system which prevents locking.

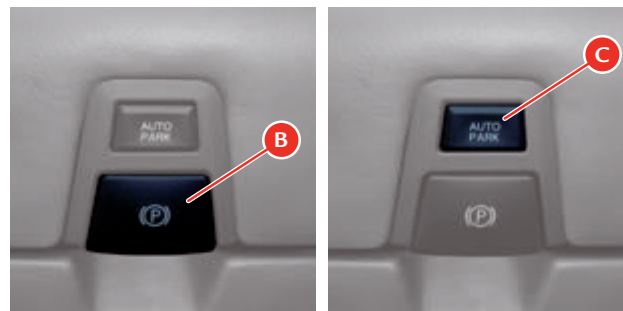
Warning



Always apply the parking brake when the vehicle is parked. The vehicle should be blocked. If this is not the case, please contact the Ferrari Service Network.



Autopark function



The EPB Autopark function automatically activates the electric parking brake when the engine is switched off. This means that the driver does not have to apply the parking brake every time the engine stops.

However, the function can be temporarily deactivated before switching off the engine by pressing the **AUTO PARK** button **C**: the message “PARK OFF” is displayed on the left TFT display for 5 seconds. In this case, after the engine is switched off, the parking brake must be engaged manually by pulling the lever **B**. To re-enable automatic EPB engagement at the next key-off, press the button **C** again; the message “PARK ON” is displayed on the left TFT display for 5 seconds.

“Automatic Vehicle Holding” AVH function

The electric parking brake provides optimised release when the vehicle starts up due to its Automatic Vehicle Holding function: once the engine has started, the system keeps the vehicle braked through intervention of the braking system rather than through the parking brake shoes.



ERA-GLONASS System (if available)

In an emergency, the **ERA-GLONASS System** can be used to localise the vehicle and make an emergency call to the emergency services.

The **ERA-GLONASS System** consists of the following components:

- Manual activation button **A**
- Control LEDs **B** and **C**
- RESET button **D**
- Microphone
- Speaker
- GSM antenna
- GPS antenna
- Telecommunication Control Unit (TCU)

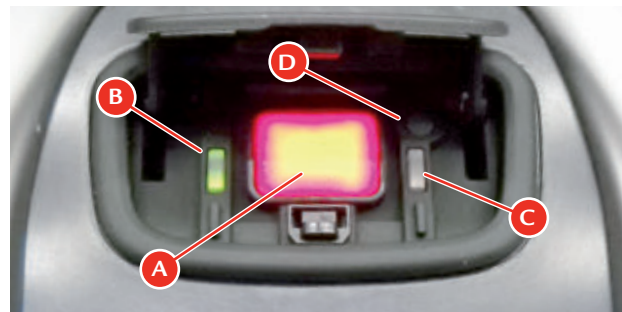
When the ERA-GLONASS System is activated, this triggers a phone call and sends the information needed to identify the vehicle and the geolocalisation coordinates.

The system can be activated in two ways:



- **Automatic:** if there is a collision and the airbags intervene, the system is automatically activated;
- **Manual:** to activate the **ERA-GLONASS System**, open the flap on the dome light (with an “SOS” pictogram) by pressing lightly on the flap, then hold down the red button **A** inside for at least 0.5 seconds.

System status can be checked by opening the flap and using LEDs **B** and **C** placed on either side of the call button **A**.



After KEY-ON, the system automatically checks the status and gives visual feedback indicated by the frequency and colour of the LEDs, as shown below:

GREEN LED B ON: operating correctly; call not active.

RED LED C ON: briefly (6 seconds) at each key-on and permanently on if there is a system failure and/or anomaly.

After manual or automatic activation, you can check the state of the call as follows:

GREEN LED B FLASHING (1 Hz): attempt to call in progress.

GREEN LED B FLASHING (2 Hz): sending of “Minimum Set of Data” (MSD) in progress. The system transmits information on the collision,



localisation and type of vehicle. During this stage, interaction with the emergency services switchboard operator is not possible.

GREEN LED B PERMANENTLY ON and RED LED C FLASHING (1 Hz): call active.

RED LED C FLASHING (1 Hz): failed call or lack of signal. The system will attempt to recall every 5 minutes.

If an emergency call is accidentally triggered by pressing the call button **A**, the call can be stopped by pressing the reset button **D** until connection with the emergency services switchboard is made. If connection has been made, the call remains active for 20 minutes or until it is closed by the emergency services switchboard operator.

Important note



For more information on how the **ERA-GLONASS System** operates and the type of information transmitted, consult the website: <http://en.glonassunion.ru/era-glonass>

Warning



The ERA-GLONASS system only works in countries in which the ERA-GLONASS network is active. For more information, see the website: <http://en.glonassunion.ru/era-glonass>.

Warning



The ERA-GLONASS service is provided independently by the service operator. Ferrari cannot be held responsible for the failure of emergency services to reach the scene of an accident or for delays in emergency services arriving at the scene.

The Ferrari Service Network is authorised to work on the ERA-GLONASS system, and may replace the system in the event of faults and/or malfunction (**RED LED C LIT**).

Warning



When activated, the ERA-GLONASS uses satellite geolocation to track the movements of the vehicle. When using the system, the owner/driver of the vehicle is required to notify any passengers that the geolocation system is active.

Warning



When activated, the ERA-GLONASS uses satellite geolocation to track the movements of the vehicle. When using the system, the owner/driver of the vehicle is required to notify any passengers that the geolocation system is active.

Important note



If the **ERA-GLONASS System** is activated, all the audio sources that are not part of the system are muted (**MUTE**). The call remains active for 20 minutes or until it is closed by the emergency services switchboard operator.

Roll bar

The active (pop-up) roll bar has been designed and installed to maintain a safety area around the occupants in the event of a vehicle roll-over. The active roll bars are controlled by an ECU that activates them when there is a strong roll around the longitudinal axis of the vehicle and there is a risk of vehicle roll-over. If the roll exceeds the calibration thresholds, the ECU will 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 area around the occupants together with the windscreen surround (and the hard top if used).



Warning



Do not drive if rear passengers rest their heads on the roll bar covers, face the rear of the vehicle or are seated on top of the roll bar covers. If the roll bars are activated, this increases a risk of injury.

Warning



Never place items on or near the roll bar covers. If the roll bars are activated, these items may delay or prevent exiting of the roll bar. They may also be projected into the passenger compartment at a high speed that seriously jeopardises the safety of the occupants.

Tyre temperature and pressure monitoring system (TPMS)

To increase safety, this vehicle is equipped with a tyre pressure monitoring system (TPMS), which activates a warning lamp if the inflation pressure of one or more of the tyres is too low. If the TPMS low tyre pressure warning lamp illuminates, stop the vehicle as soon as possible, check the tyres and inflate them to the correct pressure. Driving with a tyre that is not inflated to the correct pressure may cause overheating and ultimately damage the tyre. A tyre that is not inflated to the correct pressure also increases fuel consumption and shortens the service life of the tyre, as well as affecting the braking ability and handling of the vehicle.

Important note



The TPMS system is not a substitute for routine maintenance of the tyres. The driver is responsible for checking the tyre pressure even if no events occur causing the TPMS low tyre pressure warning lamp to illuminate.

The vehicle is also equipped with a warning lamp which indicates if the TPMS system is not working properly. This warning lamp is linked to the low tyre pressure warning lamp. When the system detects a fault, the warning light flashes for approximately one minute and then remains permanently lit. This sequence is repeated every time the engine is started until the problem is solved. When the warning light that indicates the fault is on, the system may not be able to detect or indicate that the tyre pressure is low.

Important note



Malfunctions of the TPMS system may be caused by a number of reasons. These include usage of the spare wheel fitting different wheels, which prevent the TPMS system from working correctly. After replacing one or more tyres, always ensure that the TPMS system is working correctly by checking the status of the warning lamp.

The system receives signals relative to tyre pressure and temperature from an antenna connected to the TPMS 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 tyre pressure and temperature and any system errors to the instrument panel. The signal transmitted by the ECU activates symbols on the left TFT display with two priority levels: a soft warning (sw) if the pressure measured is slightly lower than the nominal value, and a hard warning (hw) if the loss of tyre pressure is critical for vehicle safety.

The TPMS system may be calibrated from the relative option in the left hand TFT display menu Left Hand TFT Display

Important note



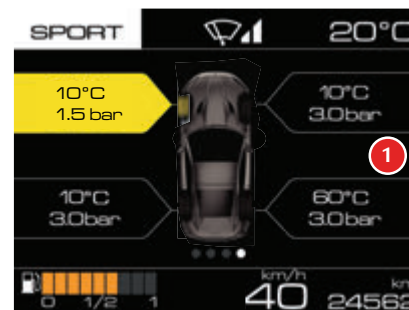
System calibration using the special menu item on the left TFT display is necessary after replacement or inflation of a tyre or tyres.

Warning

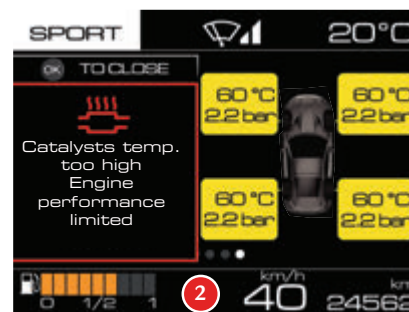


The TPMS warns the driver that the tyre pressure has decreased. However, this does NOT exempt the driver from periodically checking that the tyres are inflated to the indicated pressure. In addition, the system does NOT warn the driver of damage to the tyres by external agents.

Displaying messages on the left TFT display



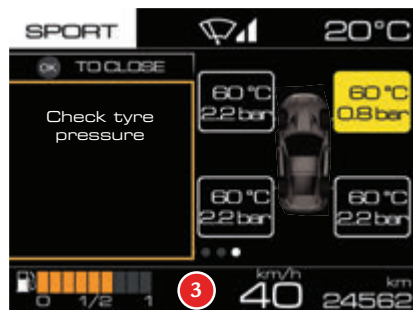
The driver may use the controls on the left hand TFT display to access the TYRES screen page which displays the vehicle symbol with the pressure and temperature values of each tyre as shown in example 1.



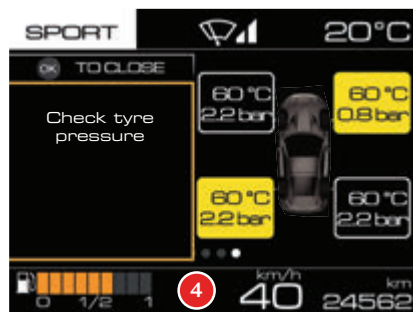
If the TYRES screen page is being displayed and an event occurs that needs to be shown as a symbol and/or special message, the screen page is minimised as shown in example 2. For more information, see the paragraph “Fault display logic”



Low pressure

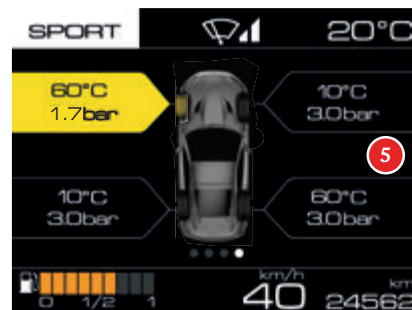


Regardless of the type of screen page on the left TFT display, when the instrument panel receives the signal from the tyre pressure ECU that the pressure level of one or more tyres is below the alarm threshold, the screen page shown in example 3 (for a warning related to only one tyre) or example 4 (for a warning related to several tyres) appears immediately.



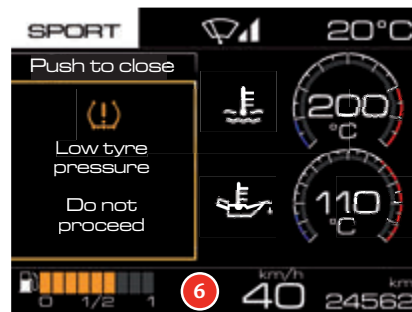
The screen page is displayed for 20 seconds and then the screen page that was previously displayed reappears. If the failure persists, the screen

page shown above (example 3 or 4) will be automatically displayed for 20 seconds the next time the engine is started.



The driver can call up the TYRES screen page at any time to display which tyres have low pressure (example 5).

Tyre puncture



Regardless of the current active page on the left hand TFT display, when the instrument panel receives a signal from the tyre pressure ECU indicating that the pressure of one or more tyres is below the alarm

threshold, the specific screen shown in example 6 (warning not to proceed) is displayed immediately. The relative warning lamp on the instrument panel illuminates simultaneously and remains steadily lit.

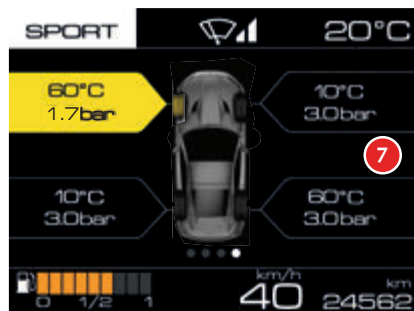
Warning



If you have a puncture, stop driving

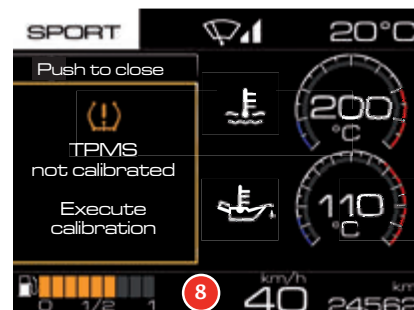
The screen page is displayed for 20 seconds and then the screen page that was previously displayed reappears whereas the warning light on the instrument panel remains on in fixed mode.

The fault is displayed with the same display logic applicable for other priority 0 faults (see paragraph "Fault display logic") until the correct operating conditions are restored and the system is subsequently recalibrated.



If you call up the TYRES screen page, you can identify the punctured tyre at any time (example 7).

System not calibrated



If the system has not been calibrated or one or more tyres have been replaced, the symbol and message shown in example 8 will be displayed. Simultaneously, the specific warning light on the instrument panel starts flashing and continues to flash for 90 seconds.

When the display cycle ends (20 seconds), the symbol and message disappear and the screen page that was previously displayed reappears whereas the warning light remains on until the system has been calibrated.

The TPMS can be calibrated using the special menu item on the left TFT display with the instrument panel activated and the engine off.

To calibrate the TPMS, access the MENU screen page on the left hand TFT display with the instrument panel activated and the engine off. Once the MENU screen page appears, select the items "Car setup", "Calibr. TPMS".

When the Menu item is displayed and the calibration procedure has been confirmed, the message "Calibration activated" is shown for 5 seconds.

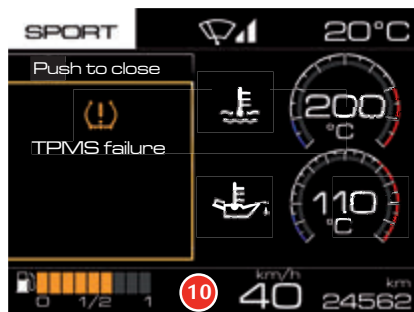


Warning



Before calibrating the system, make sure that the tyre pressures are as indicated in the "Tyres table". If this is not the case, the TPMS may issue wrong low pressure indications.

TPMS failure



The screen shown in example **10** is displayed in the following circumstances:

- malfunction in circuit and/or wiring harness connecting the ECU
- signal is not received by one or more sensors due to a faulty, broken or flat battery
- fault in the TPMS ECU.

Simultaneously, the specific warning light on the instrument panel starts flashing and continues to flash for 90 seconds. The warning light then remains on in fixed mode until the situation is corrected.

The TYRES screen page cannot be called up by the driver.



2

Doors	74
Engine compartment lid	75
Luggage compartment lid	75
Fuel filler flap and neck	76
Power windows	78
Instrument panel	81
Instruments and gauges	83
Parking sensors	92
List of left TFT display symbols and warning lights on the panel	95
Parking Camera function (optional)	99
Passenger display (optional)	100
Infotainment system	101
Cruise Control	110
Steering wheel and controls	112
Windscreen washer/wiper	114
Lighting	116

Driving the vehicle	121
Carbon ceramic (CCM) brakes	131
Suspension damping delink button (optional)	131
Electric power steering (EPS)	132
EPB - Electric parking brake	132
Park Lock	133
Launch Control	133
Stop&Start system	134
Seat adjustment	138
Adjusting the steering wheel	141
Rear-view mirrors	141
Air conditioning and heating system	143
Placing luggage in the luggage compartment	144
Passenger compartment accessories	145
Retractable hard top (RHT)	147
Wind deflector	151



3



ABOUT YOUR VEHICLE



Doors

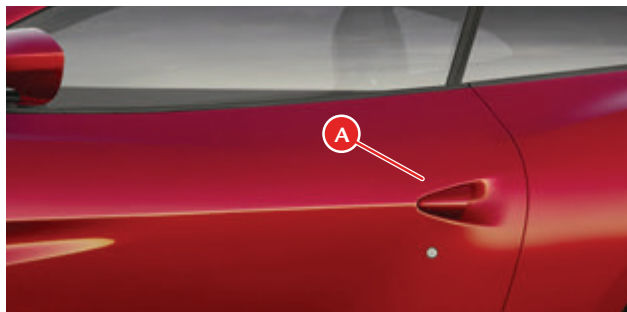
When a door is opened or closed, the window automatically moves down by approximately 2 centimetres (to its “target position”) to avoid colliding with the upper weather strip.

When the door is closed, the window automatically moves up until it reaches the “upper limit”.

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.

To open the door, pull handle **A**: the window will move down to its “target position”. When the door is closed, the window will move up until it meets the upper limit.



Locking and opening the doors from the inside

Warning



Always carefully check manually that the doors have been closed properly to prevent them from opening while driving.

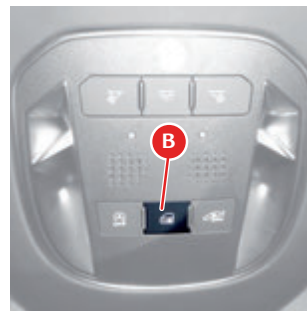
Both doors can be locked by activating/deactivating the “LOCK/UNLOCK” button **B** on the roof panel. To lock the doors, press button B; when the door lock is activated, the light on button **B** comes on. To deactivate the door lock, press button **B** until the light goes out.

The rolling lock function, which automatically locks the doors when the vehicle speed reaches or exceeds 20 km/h, may be activated from the “Car settings” menu accessible from the left TFT display of the instrument panel.

If you pull handle **C** 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 its upper limit.

If handle **C** is lifted without opening the door, the window will move down to its target position and stop and if the door is not opened within 2 seconds, the window will move back up until it meets the upper limit. Therefore, to open the door, release handle **C** and pull it again.

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



Engine compartment lid

Opening



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

Stand in front of the vehicle, slightly lift the lid and pull the retaining lever **E** to the side of the lock and lift it.

The lid is held open by two shock absorbers.

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

Closing

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

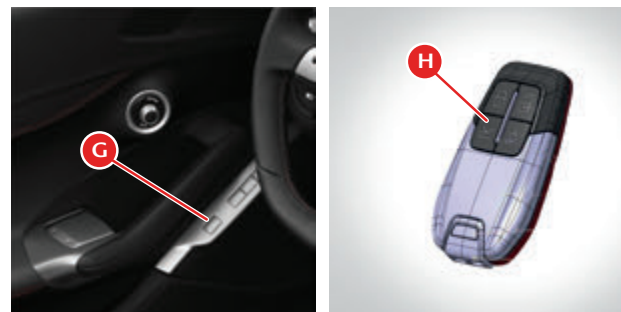
Warning



Always check manually that the engine compartment lid has been closed properly to prevent it from opening while driving.

Luggage compartment lid

The vehicle is equipped with an electrically operated system for opening and closing the luggage compartment lid.



Opening

The luggage compartment lid can also be opened with the instrument panel deactivated.

Push release button **G** on the driver-side door panel or press button **H** on the ignition key for more than 2 seconds.

The lid is held open by two shock absorbers.

The luggage compartment is illuminated by two lights at the sides that come on automatically when the lid is opened.

Warning



To avoid damage, check there is enough room to open the luggage compartment lid.



Important note



After removing the battery from the vehicle or disconnecting it from the electrical system, a door lock/unlock cycle must be performed using the buttons on the key when reconnecting so that the release button G resumes normal operation (electronic system self-acquisition procedure).

Closing

Warning



Always check manually that the luggage compartment lid has been closed properly to prevent it from opening while driving.

Warning



Never leave children unattended in the vehicle.

Warning



Only open or close the luggage compartment lid when the vehicle is stationary.

Warning



Before opening or closing the luggage compartment lid, make sure there are no people, animals or objects in the immediate vicinity.

Using the grip on the inside, lower the luggage compartment lid until it touches the bodywork. The lock will pull the lid down until it clicks in place.

Fuel filler flap and neck

Warning



Always turn off the engine during refuelling.

Do not smoke or use naked flames when refuelling. There is a risk of fire.

The following can be harmful for your health: skin contact with petrol, inhaling petrol fumes.

Opening

To open the fuel filler flap, press the flap.

Important note



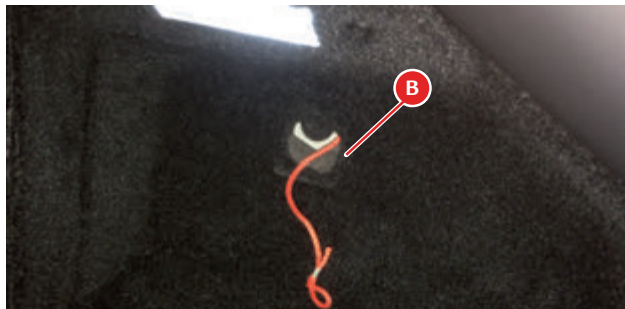
The fuel filler flap **CANNOT** be opened when the doors are locked and the electronic alarm activated.

Closing

To close the fuel filler flap, push it until it clicks in place.



Emergency Opening



If the open button does not work, the fuel flap can be opened manually. Pull cable **B** on the right hand side of the luggage compartment and press the fuel flap at the same time.

Capless filler neck



This vehicle has a capless filler neck for fuelling. This system allows you to refuel by opening the fuel filler flap and simply placing the nozzle in the filler neck without having to unscrew a cap and screw it up again.

Two flaps placed in series, both with airtight seals, act as a cap. The external flap is locked by a series of “teeth” and the only way to open the external flap correctly is by inserting a petrol pump nozzle.

Warning



Place the nozzle in the filler neck carefully to avoid damaging the device seal.

Do not try to open the external flap of the filler neck by pushing it with your fingers or lever it open using unsuitable tools (e.g. screwdrivers). This may damage the external flap mechanism and the seal.

Warning



Do not overfill the fuel tank; this may cause the fuel to leak out.

After fuelling, wait for about 5 seconds before slowly removing the nozzle from the filler neck: in this way, the last drops of fuel will flow into the tank and will not drip onto the vehicle.

Warning



Do not place funnels or portable container nozzles in the filler neck.

If it is necessary to refuel from a portable fuel container, only use the funnel included in the tool kit, which releases the automatic filler neck locking mechanism.

3



Power windows

The power windows can only be operated once the vehicle system has been switched on (KEY-ON - press the ENGINE START/STOP button on the steering wheel briefly and release without depressing the brake pedal) or the engine has been started.

Driver-side power window



Press button **A** to move the window up or down. This allows manual operation (partial opening/closing) or automatic operation (complete opening/closing): press button **A** and quickly release 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), the window will only stop when it reaches the end of its travel or if the button is pressed again.

Warning



Improper use of the power windows can be dangerous.

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

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



“Global Open” function

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

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

Rear power windows

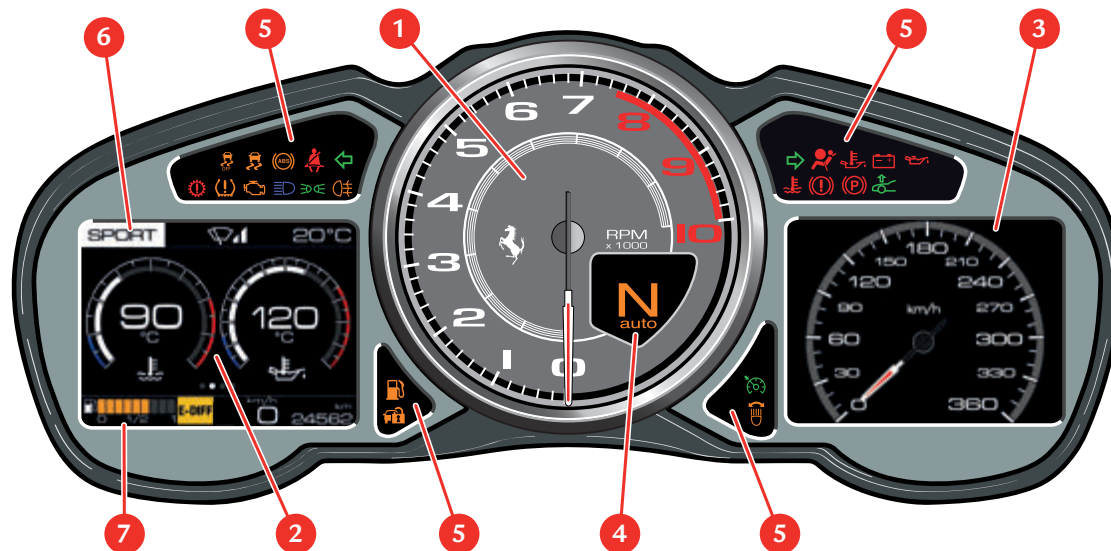
With the driver side front window lowered, press button **A** again to lower the driver side rear window. With the passenger side front window lowered, press button **B** again to lower the passenger side rear window. To raise the rear windows, simply lift button **A** for the left-hand window and **B** for the right-hand window.

3





Instrument panel



3

View of vehicle instrument panel



1. Electronic rev counter
2. Left TFT display
3. Right TFT display
4. Gearbox display
5. Warning lights on the panel
6. Manettino status
7. Fuel level

Instruments and gauges

Electronic rev counter

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

Avoid engine speed rates in the red sector.

There is a space to the bottom right of the rev counter for the display which gives information on dual clutch transmission (DCT).

Important note



If the rev counter has a white or yellow background, backlighting is not activated in daytime conditions (i.e. with the running lights off or with the running lights on but with the twilight sensor detecting daytime conditions) to improve visibility of the gauge.

Engine RPM LED on steering wheel (optional)

The five LEDs on the steering wheel rim (available on request) illuminate in sequence to notify the driver of the maximum engine speed for shifting up.

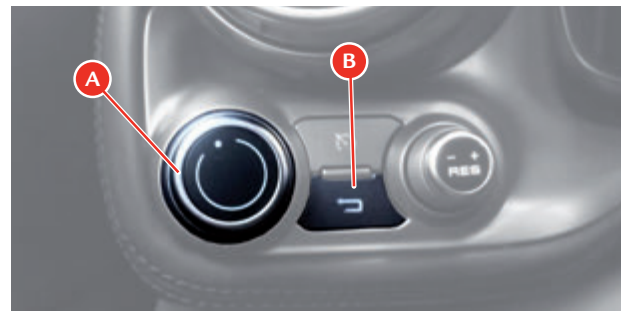
The LEDs on the steering wheel may be deactivated from the left hand TFT display MENU: access the MENU screen, select the items “Car settings” and “RPM on steer”, then select OFF. To reactivate the function, select ON.

Left TFT display

Important note



If the vehicle is "Right-hand drive", the TFT screens and controls on the dashboard are in the opposite position to above.



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

- displays the control parameters
- displays general information while driving
- displays fault warnings

The driver can interact with the system by selecting the configuration and setting the parameters using the controls on the panel to the left of the steering wheel

- controller joystick **A**
- BACK button **B**

MAIN screen page

Turn and press the controller joystick **A** to access the five screen groups STATUS, TRIP, VDA, TURBO and SETTINGS.

Turn the joystick **A** clockwise to scroll forwards through the screens available in a screen group (e.g. to scroll from SPORT to SPORT 2 in the STATUS group), and turn anticlockwise to return to the previous screen. Press BACK **B** to return to the MAIN screen.



When a screen page is called up, it remains on the display until you decide to select another one.

The STATUS screen group contains the following screens:

SPORT screen

SPORT 2 screen

TYRES screen

Digital SPEEDOMETER screen

The TRIP screen group contains the following screens:

TRIP A screen

TRIP B screen

The VDA screen group contains the following screen:

VDA screen

The TURBO screen group contains the following screens:

TURBO screen

TURBO RESPONSE screen

TURBO EFFICIENCY screen

The SETTINGS screen group contains a contextual menu with different configuration options:

- **Lighting:** display dimming setting
- **Right hand display:** configure right hand TFT display
- **Date and Time:** date and time setting
- **Language:** language setting
- **Unit of measurement:** unit of measurement setting.
- **Car setup:** configure vehicle parameters:

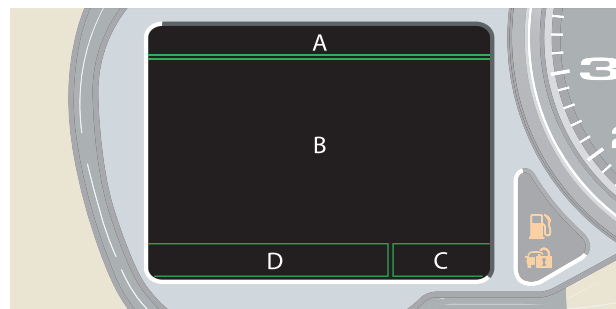
- Parking sensor
- Lock doors
- Unlock doors
- Speed limit
- Auto Hazard
- Buzzer volume
- Lights sensor
- Glove compartment

- **Service:** information on scheduled maintenance
- **Calibr. TPMS:** TPMS calibration.

Warning



Display setting and parameter configuration should be performed when the vehicle is stationary



Every screen page consists of four display areas:

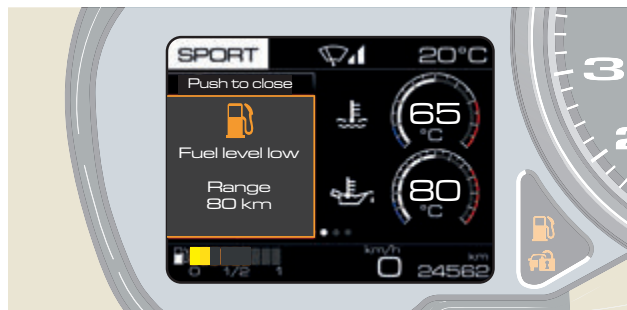
A selected driving mode (Manettino position), windscreen wiper status, external temperature and “danger of ice” icon, “Speed limit exceeded” message

B virtual control gauges, abnormal event notification/warnings (message text and specific symbol, when available), brightness adjustment function

C total or trip odometer (TRIP A or B), range.

D fuel level gauge, area for minimised symbol for faults with no specific warning light on panel, repeated speed display.

Fuel level gauge



The fuel level gauge is always displayed in area **D** of the display. The gauge consists of yellow bars which gradually disappear as the fuel level drops.

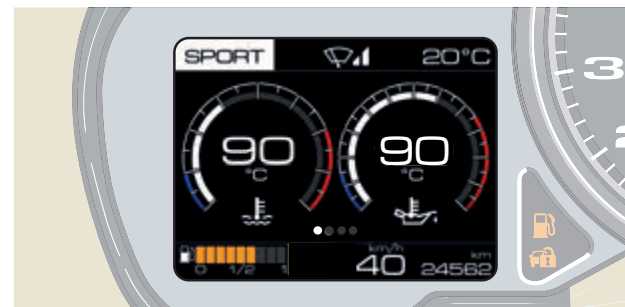
When the second bar goes off, the first bar turns red until fuel runs out.

When the reserve level is reached, in addition to the relative warning lamp illuminating on the instrument panel, the relative symbol and specific message, together with the remaining range in km, are shown on the display for 10 seconds. If the condition that has generated it persists, this signal is repeated every 8 km.



In limited cruising range conditions, the information on driving range in km is replaced by the words “Limited cruising range”.

SPORT screen (STATUS subgroup)



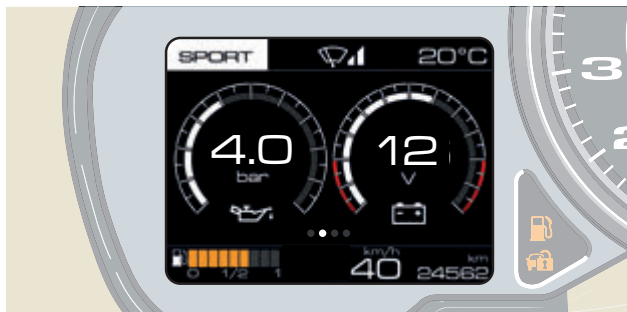
The SPORT screen page displays the following virtual gauges:

- Engine coolant temperature
- Engine oil temperature



If the SPORT screen page is being displayed and an event occurs that needs to be displayed as a symbol and/or special message, the virtual gauges are minimised. For more information, see the paragraph “Fault display logic”.

SPORT 2 screen (STATUS subgroup)

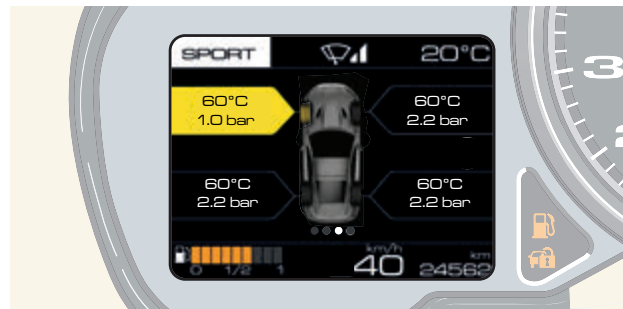


The SPORT 2 screen page displays the following virtual gauges:

- Engine oil pressure
- Voltmeter

If the SPORT 2 screen page is being displayed and an event occurs that needs to be displayed as a symbol and/or special message, the virtual gauges are minimised. For more information, see the paragraph “Fault display logic”.

TYRES screen (STATUS subgroup)



The TYRES screen page displays the vehicle symbol and indicates the pressure and temperature values for each tyre.

If the TYRES screen page is being displayed and an event occurs that needs to be displayed as a symbol and/or special message, the screen page is minimised. For more information, see the paragraph “Fault display logic”.

SPEEDOMETER screen (STATUS subgroup)

The SPEEDOMETER screen displays the speed in digital format.

TRIP A and TRIP B screens (TRIP subgroup)



The TRIP A or TRIP B screen page displays the following information:

- Maximum speed
- Average speed
- Distance travelled
- Journey time
- Range

If the TRIP A or TRIP B screen page is being displayed and an event occurs that needs to be displayed as a symbol and/or special message, the screen page is minimised. For more information, see the paragraph “Fault display logic”.

Manettino status screen (VDA subgroup)

The “Manettino status” screen displays a list of the parameters which can be configured using the Manettino driving mode selector and indicates the configuration each one assumes in a specific driving mode.

The systems involved are the following:

- **F1-Trac:** traction control
- **E-Diff:** electronic differential
- **ESC:** stability and traction control
- **F1-DC:** dual clutch F1 gearbox
- **SCM:** magnetorheologically controlled suspension

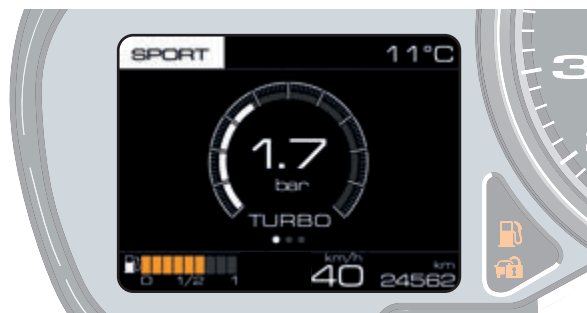
Important note



If there is a Manettino failure, the “Manettino Status” screen page cannot be displayed or recalled.

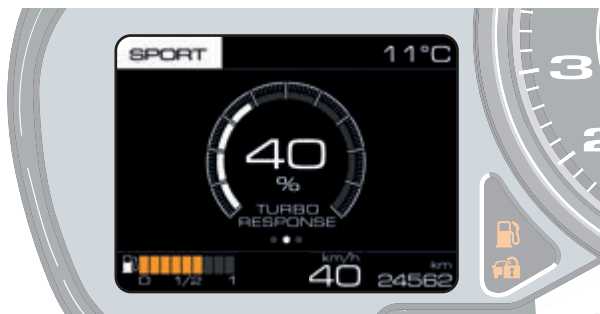
3

TURBO screen (TURBO subgroup)



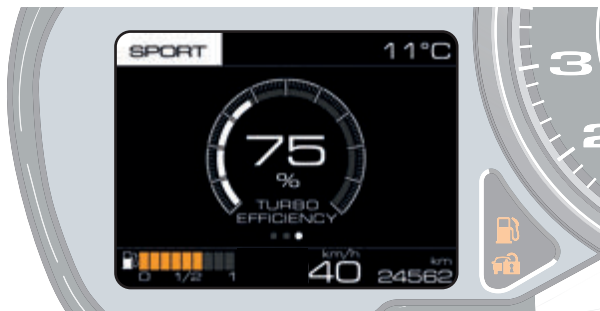
The TURBO screen indicates the working pressure of the turbocharger.

TURBO RESPONSE screen (TURBO subgroup)



The TURBO RESPONSE screen indicates the percentage of maximum turbo response available to the driver depending on the number of revs. For instance, using the gearbox and accelerator pedal to push the engine to over 4000 RPM gives a very high % of TR (80-90%); pressing the accelerator pedal hard down will give instant engine response and acceleration.

TURBO EFFICIENCY screen (TURBO subgroup)



The TURBO EFFICIENCY screen indicates the percentage of maximum turbo efficiency (the maximum torque obtainable by the car for a given consumption level or specific amount of fuel used) available to the driver depending on the number of revs.

“Warning: danger of ice” message

To warn the driver of the presence of ice on the road if the outside temperature is 3 °C or below, the “snow” symbol and the “warning: danger of ice” message are displayed for 10 seconds in the top right of the display.

When they are displayed, the symbol and message appear instead of the outside temperature; after 10 seconds, the outside temperature is displayed again and the “snow” symbol appears next to it as long as the outside temperature remains 6 °C or below.

Speed limit setting and “Speed limit exceeded” message

The SETTINGS subgroup available from the main menu may be used to set a speed limit between 30 and 250 km/h, in incremental steps of 5 km/h, above which the driver is notified with a warning. To set the speed limit, access the SETTINGS screen from the MAIN screen, then select the options “Car Setup” and “Speed Limit”.

When the set limit is exceeded, the driver is informed in the following way: The symbol showing the set limit and the message “Speed limit exceeded” appear in the top right of the display for 10 seconds, accompanied by an audible signal. Once the warning cycle has ended, the message disappears whereas the symbol continues to be displayed next to the outside temperature until the speed decreases to 5 km/h below the set limit.



Fault display

Fault displaying logic

When a fault occurs, the corresponding warning light (if present) comes on on the panel whereas a description of the fault (if available) and the relevant symbol (if available) are displayed on the left TFT display. The message appears on the display as soon as the warning light (if present) comes on and the main screen page that is displayed at that time is reduced.

The fault remains on the display for 20 seconds. Once the display cycle ends, if the fault is not associated with a specific instrument panel indicator, the symbol remains in minimised form in area **D** of the display until the cause of the fault has been rectified. In area **B** the main screen page is displayed in “maximum” size.

If the fault is associated with a specific instrument panel indicator, at the end of the display cycle, the screen active when the fault occurred is displayed again without the minimised symbol in area **D**. The relative indicator on the instrument panel remains lit until the cause of the fault has been rectified.

If the fault is resolved within 20 seconds, it remains displayed and the warning light remains lit for 2 seconds.

“ESCAPE” function

To interrupt the display cycle of a fault (escape), press the control button briefly and release (PUSH TO CLOSE). When the joystick is pressed, the screen displayed prior to the event reappears. If the fault does not have a special warning light on the panel, the symbol remains minimised in area **D** until the cause of malfunctioning has been resolved.

Fault priority levels

The simultaneous display of several faults follows a logic that depends on the priority level assigned to it:

Priority level 0 - Critical fault

Priority level 1 - Very severe fault

Priority level 2 - Severe fault

Priority level 3 - Minor fault

When several fault events occur at the same time, faults with priority level 0 are displayed first, followed by priority level 1 and then priority levels 2 and 3. The information on the various faults is displayed in turn for 5 seconds each.

If a fault message is being displayed and a second fault with the same priority level occurs, the latter is only displayed once the first has been displayed for at least 2 seconds. If, on the other hand, a new fault occurs with a higher priority level, this is displayed immediately.

Indication of failure of turn indicators and running lights

A failure of the running lights (front and/or rear) and turn indicators (front and/or rear) is indicated with the same logic as other faults, but the vehicle symbol with the faulty running light or turn indicator indicated in red is displayed together with a description of the failure instead of the “External lights failure” symbol. When the display cycle ends or the controller joystick has been pressed to escape, the “External lights failure” symbol is minimised.

“Doors, engine or luggage compartment lid open” function display

If one or more doors or the engine and/or luggage compartment lid are open, the vehicle symbol appears on the display and indicates which doors or lids are open together with a special message. If the vehicle is in motion, an acoustic signal is also emitted. When the display cycle ends or the controller joystick has been pressed to escape, the specific symbol is minimised



Gearbox display

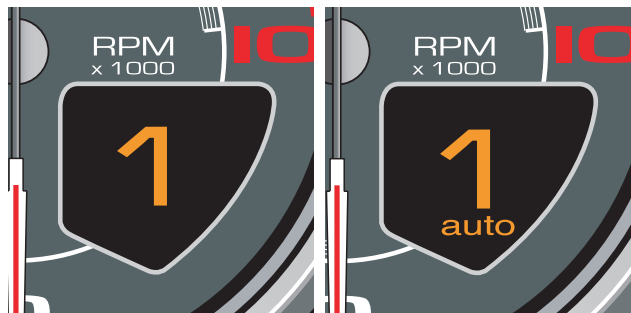
The display which gives information on dual clutch transmission (DCT) is found to the bottom right of the rev counter; with the instrument panel activated, it displays the following information:

- Gear engaged;
- “Automatic gearbox” mode indication;
- “Auto easy exit gearbox” mode indication;
- Gearbox in “Parking” mode indication;
- Launch Control activated indication;
- AVH system activated indication.

Important note



Information on the gearbox is useful in all operating conditions.



Gear engaged

The gearbox display shows the number or letter indicating the engaged gear in the centre.

N - Neutral

R Reverse

1 1st gear

2 2nd gear

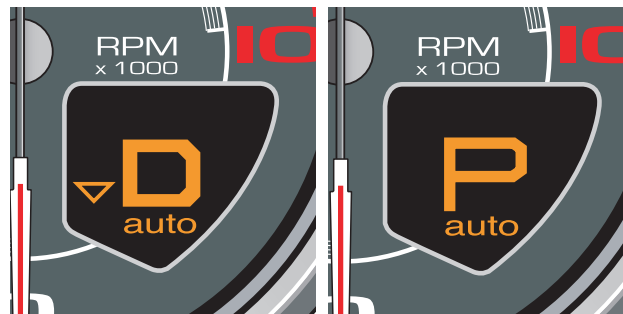
3 3rd gear

4 etc.

When the key is turned to off, the display remains on for at least 3 seconds and displays the engaged gear. If the control panel reads N (Neutral), the letter N is displayed and a buzzer will sound.

Indication of “Automatic gearbox” mode

When the gearbox is used in “automatic” mode, the message “auto” appears at the bottom of the gearbox display together with the number or letter indicating the engaged gear.



Indication of “Auto easy exit gearbox” mode

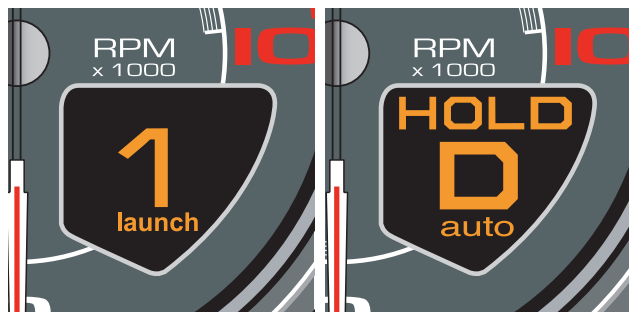
When the gearbox is used in “Auto easy exit” mode, the message “auto” appears in the bottom of the gearbox display together with a small “arrow” pointing downwards on the left.

Indication of gearbox in “Parking” mode

When the gearbox is in “Parking” mode, i.e. the Park Lock gearbox lock system is activated, the letter “P” appears in the centre of the gearbox display.

Indication of Launch Control activated

When the gearbox is used in “manual” mode and the Launch Control function is requested by pressing the relative button on the centre console, the message “launch” appears at the bottom of the gearbox display. The word remains while the function is activated.



Indication of AVH system activated

In certain circumstances, when the AVH (see page 63) system is activated, the message “HOLD” appears at the top of the gearbox display.

Efficient gear shift indicator light (SIL)

With the gearbox in manual mode, an upward arrow symbol is displayed when the optimum is reached for shifting up to the next gear. This helps to reduce fuel consumption. If the recommended speed is exceeded or the driver shifts gear, the symbol disappears automatically.

Right TFT display



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

- speedometer display
- displays infotainment system information (MEDIA, NAVI and PHONE) in minimised form

Turn the control behind the right hand steering wheel spoke to scroll through the screens.





Speedometer display

The speedometer can be displayed on the right TFT display in “Speedometer” or “Digital speed” mode.

To select the required display mode, access the SETTINGS screen on the left hand TFT display and select the option “Right hand display”.

Important note



The vehicle speed is also permanently displayed in digital form in area **D** of the left hand TFT display



“Speedometer” screen page

The “Speedometer” screen page indicates the speed by displaying a virtual analogue speedometer.



“Digital speed” screen page

The “Digital speed” screen page indicates the speed in digital form.

Time display

By selecting the special item on the MENU screen page of the left TFT display, you can activate/deactivate the time display in the top right of the “Speedometer” and “Digital speed” screen page. The time is displayed approximately 10 seconds after key-on.

Parking sensors

To help the driver when parking, the vehicle is equipped with four sensors in the rear bumper (rear parking sensors) and four sensors in the front bumper (front parking sensors).

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 parking sensors inform the driver of the distance between the vehicle and the

obstacle via audible signals, which become more frequent as the obstacle approaches, and visual information on the infotainment system display. By supplementing the driver's direct visual information with that provided by the system acoustic signals and visual warnings, potential collisions can be avoided when parking.

Warning



It is the driver, however, who holds full responsibility for parking manoeuvres and other potentially dangerous situations. The system has only been designed as an aid during parking manoeuvres since it detects obstacles that are outside the driver's field of vision.

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 rear parking sensors are automatically activated when reverse is engaged with the instrument panel active (KEY-ON). When the rear sensors are activated, an acoustic signal warns the driver that the system has been activated. If the vehicle is also equipped with front sensors, these can be activated or deactivated by pressing the relative button on the panel to the right of the steering wheel



“Stop and Go” function

The “Stop & Go” function automatically activates the front sensors at vehicle speeds of 10 km/h and below. This system has been designed to assist the driver in certain traffic conditions (e.g. tailbacks) and signals when the minimum distance is reached between the vehicle and the vehicle in front.

To activate or deactivate the system, access the SETTINGS screen on the left hand TFT display, select the items “Car settings” and “Parking sensor”, and enable the function “Auto Under 10 km/h”

Indication of obstacles

The parking sensor system emits acoustic signals as soon as an obstacle is detected which become more frequent as the obstacle approaches. The acoustic signal stops immediately if the distance from the obstacle increases whereas the tone cycle remains constant if the measured distance from the central sensors remains unchanged.

The vehicle symbol and sensor detection zones appear on the infotainment system display: these zones indicate which part of the vehicle is approaching an obstacle (if front or rear and if left, right or central) and the distance from the obstacle (maximum, medium or minimum).



Obstacles detected at the maximum distance are indicated on the display by a green symbol.

Obstacles detected at the medium distance are indicated on the display by an orange symbol.

Obstacles detected at the minimum distance are indicated on the display by a red symbol.

Rear sensors:

Maximum distance (green): 80 to 70 cm (central area, 150 to 70 cm)

Medium distance (orange): 69 to 41 cm

Minimum distance (red): 40 to 0 cm

Front sensors:

Maximum distance (green): 73 to 53 cm (central area, 110 to 70 cm)

Medium distance (orange): 52 to 31 cm

Minimum distance (red): 30 to 0 cm

If the front sensors are deactivated, the display does not show the front symbols. Similarly, if the rear sensors are deactivated, the display shows the front symbols only. If all the sensors are activated, the system can provide information on multiple obstacles simultaneously.



Cleaning the sensors

When cleaning the sensors, be very careful not to scratch or damage them and avoid using dry, rough or hard cloths.

The sensors must be washed with clean water and 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 at least 10 cm. For the repainting of bumpers or retouching the paintwork in the sensor area, contact the Ferrari Service Network.

If paint is applied incorrectly, it may prevent the parking sensors from working properly.

Indication of parking sensor failure

The system ECU checks all the components each time the reverse gear is engaged. If one or more parking sensor is faulty, the specific special symbol is displayed on the left hand TFT display together with the message “Parking sensor failure. Warning! Possible obstacles” accompanied by an acoustic signal.



3

Important note



The sensors are able to detect obstacles with reasonably large, even surfaces (e.g.: poles with diameters of over 60 mm, walls, barriers, trees). Detection is not optimum with obstacles with sharp projections or uneven surfaces.

Important note



During parking manoeuvres, always take the utmost care since obstacles may be located 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. pneumatic brakes on lorries or pneumatic drills) in the vicinity.

Warning



It is the driver, however, who holds full responsibility for parking manoeuvres and other potentially dangerous situations. The system has only been designed as an aid during parking manoeuvres since it detects obstacles that are outside the driver's field of vision.

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.

List of left TFT display symbols and warning lights on the panel

TFT	Warning light	Description and warnings
		Alarm system failure This may indicate an anti-theft system failure and/or that the system is not programmed. Contact the FERRARI SERVICE NETWORK.
		Fuel reserve Indicates that the fuel level is too low.
		Battery conditioner connected Indicates, with instrument panel on, that the battery conditioner is connected
		Inertia switch Indicates that the inertia switch has been triggered by an accident, cutting off the fuel system The hazard warning lights are also automatically activated.
		Alternator failure
		Charging system failure
		Low windscreen washer fluid level Indicates low fluid level in windscreen washer reservoir
		Oil temperature Indicates excessive oil temperature Turn off the engine and contact the FERRARI SERVICE NETWORK



TFT



Warning light



Description and warnings

Adaptive headlights failure

The symbol and flashing warning light indicate an adaptive headlight system failure

Windscreen wiper motor failure

Indicates a windscreen wiper motor failure

Engine coolant temperature

Indicates that the engine coolant temperature is too high

Turn off the engine and contact the
FERRARI SERVICE NETWORK

Oil pressure

Indicates that the engine oil pressure is too low

Turn off the engine and contact the
FERRARI SERVICE NETWORK

The warning light flashes to indicate an engine oil pressure sensor failure

Contact the FERRARI SERVICE NETWORK

Engine diagnostic system (EOBD) failure

While the engine is running, this indicates a fault in the emission control system and in the ignition/injection system

Turn off the engine and contact the
FERRARI SERVICE NETWORK

After KEY-ON, it remains on for a self-check for a few seconds after the engine has started. Running lights

Indicates that the running lights or low beam lights are on

Stop lights failure

Indicates a system failure or a brake light bulb failure

External lights failure

Indicates a system failure or a running light, turn signal or rear fog light bulb failure

TFT



Warning light



Description and warnings

Number plate lights failure

Indicates a system failure or a license plate light bulb failure

Rear fog lights

Indicates that the rear fog lights are on

Twilight sensor failure

Indicates a twilight sensor failure

High beams

Indicates that the high beam lights are on. Also activated when flashing the high beam lights

Right turn indicator

Indicates that the right hand turn indicator is on

Left turn indicator

Indicates that the left hand turn indicator is on

Hazard warning lights

The left and right hand turn signal indicator lights flash simultaneously when the hazard warning lights are activated

Catalytic converter temperature

If displayed in red, indicates that catalytic converters are overheated: stop the vehicle

Contact the FERRARI SERVICE
NETWORK

If displayed in orange, indicates an excessive catalytic converter temperature: drive at reduced speed until the indicator extinguishes. Alternatively, indicates a catalytic converter temperature sensor failure

Power steering failure

Indicates a power steering system fault

Contact the FERRARI SERVICE
NETWORK



TFT	Warning light	Description and warnings	TFT	Warning light	Description and warnings
		ABS Indicates an ABS system failure The standard braking system is still functional. Contact the FERRARI SERVICE NETWORK			One or more tyres punctured With the warning light in flashing mode for a maximum of 90 seconds after which it remains on in fixed mode, it indicates: TPMS system failure TPMS temporarily inactive TPMS inactive TPMS not calibrated Doors/front and rear lids open The symbol, which is minimised, indicates that one or more doors and/or lids are open. Airbag system failure Indicates an airbag system failure Warning light flashes to indicate that the airbag test cycle did not conclude successfully Contact the FERRARI SERVICE NETWORK
		ESC deactivated Both the symbol and the warning light illuminate to indicate that the ESC system has been deactivated The symbol is displayed for 5 seconds together with the “ESC OFF” message. ESC system failure Indicates a fault in the ESC system Important note Stop the vehicle and avoid sudden braking or steering. Stop driving and contact the FERRARI SERVICE NETWORK immediately The vehicle may still be driven at low speed (max. 40 km/h) to clear the road			
					
					Driver-side seat belt not fastened Indicates that the driver side and/or passenger side seat belt has not been fastened. Accompanied by an audible signal lasting 90 sec E-Diff system failure Indicates an electronic differential failure May be orange (severe fault) or red (very severe fault). In both cases, contact the FERRARI SERVICE NETWORK
					
		CCM brake discs worn Indicates that the carbon ceramic brake discs are worn Contact the FERRARI SERVICE NETWORK			Brake malfunction May indicate the following: brake fluid level too low EPB electric parking brake system failure Parking Brake system service necessary Appears together with the ABS warning lamp to indicate an EBD system failure



TFT



Warning light



Description and warnings

Rain sensor failure

Indicates a rain sensor failure

Suspension control system failure

Indicates a suspension control system failure

Contact the FERRARI SERVICE NETWORK

Generic failure

Indicates an airbag warning lamp failure

Indicates a Manettino failure

Indicates an electronic system failure

TPMS

Indicates that calibration of the TPMS has been activated.

Brake pad wear

Indicates excessive brake pad wear

Contact the FERRARI SERVICE NETWORK

Parking sensor failure

Indicates a parking sensor system failure

Scheduled Maintenance (Service)

Indicates an elapsing Scheduled Maintenance interval

AVH system

Indicates an AVH system failure

TFT



Warning light



Description and warnings

Ice hazard

Indicates that the external temperature is 3 °C (38 °F) or lower to warn of the risk of ice on the road

Drive carefully and moderate speed in these conditions, as tyre grip is significantly reduced

Important note



Set the Manettino to "ICE" mode in these conditions.

Parking brake

Indicates that the parking brake is applied

Gearbox failure

Indicates a gearbox system failure

Contact the FERRARI SERVICE NETWORK

Cruise Control

Indicates that the Cruise Control has been activated/deactivated

Stop&Start on/Stop&Start system warnings

Together with a special message, it indicates:

Stop&Start system on

Stop&Start system active

Stop&Start system not available or temporarily disabled

Stop&Start off

Indicates that the Stop&Start system has been deactivated

Stop&Start failure

Indicates a Stop&Start system failure (displayed in orange for a severe fault or in red for a very severe fault)

Key-Less system fault

Indicates that the "Key-Less" key detection system is faulty.

Parking Camera function (optional)

“Rear Parking Camera” screen page

when reverse gear is engaged, the “Rear Parking Camera” screen page is automatically displayed on the infotainment system display. This screen page, which continues to be displayed until reverse gear is disengaged, shows the field of vision of the camera mounted on the rear bumper and helps the driver when parking.

With reverse gear engaged, press button **C** on the dashboard to switch between:

- rear view
- rear view with wide angle lens

The image is integrated with dynamic parking grids in green, yellow and red which, based on the steering angle, estimate and indicate the vehicle's path to the driver during the manoeuvre.

The dynamic parking grids also indicate the distance from any obstacles in the camera's view range: the area within the red grid represents an area that ranges from 0 to 60 cm, the yellow one from 60 to 120 cm and the green one from 120 to 240 cm.

To exit the “Rear Parking Camera” mode and go back to the infotainment system display, hold down button **C** for a few seconds or disengage reverse gear if engaged.

“Dual View Camera” screen (optional)

If the vehicle has a “Dual View Camera” system consisting of another camera mounted in the front bumper as well as a rear parking camera, the following views appear on the display:

- front lateral “Corner View”
- central front “Top View”

- rear view (Rear Parking Camera)
- rear view with wide angle lens (Rear Parking Camera)

When reverse gear is engaged, the “Rear Parking Camera” screen is automatically displayed on the infotainment system display.

Without engaging reverse gear, you can switch to the “Corner View” mode (front camera) by pressing and quickly releasing button **C** on the dashboard to the right of the steering wheel.

The view can be selected by pressing button **C**: press and quickly release button **C** to call up the “Corner View”. Press the button again to switch from one view to another.

The front camera images are not displayed if the vehicle exceeds 12 km/h.

To exit the “Dual View Camera” mode and go back to the infotainment system display, hold down button **C** for a few seconds.

If one of the two rear views is displayed when reverse gear is engaged, the system switches to displaying the “Corner View” screen as soon as reverse gear is disengaged.





Some examples of the Parking Camera screens



Rear view (Rear Parking Camera)



Front lateral "Corner View" (Front Parking Camera, optional)

Passenger display (optional)

The **touch-screen** passenger display **B** (available on request) has been designed to allow the front passenger to participate more in trips and provides access to a number of vehicle parameters which are normally only available to the driver.

The passenger display shows information displayed on the following screens on the instrument panel:

- MEDIA
- NAVI
- PERFORMANCE
- VDA

Hold down the **DISP button A** to switch the passenger display on and off. Quickly press button **A** to switch from one screen to another (you can also switch screens by interacting with the "touch-screen" display and pressing the special virtual keys).





Infotainment system

Important note



As indicated in the general remarks referred to here, the driver can be distracted by a number of factors including the navigation/infotainment systems. If possible, the infotainment system should only be used by the passenger. If used by the driver, stop the vehicle.

Characteristics

The infotainment system on the vehicle consists of:

- 10.25" full HD capacitive display for multi-touch use (The zoom-in and zoom-out functions on the maps, for example, can be activated by pinching in and out in the same way as on smartphones)
- Radio
- DVD/CD changer (6 discs)
- USB connectors (2 in the pocket change tray underneath the front armrest)
If the vehicle is equipped with a CarPlay system, one of the two connectors underneath the front armrest will be used to connect the CarPlay-enabled peripherals and will be marked with a special symbol.
- Bluetooth connection
- Satellite navigation system with 3D maps
- Apple CarPlay
- Internal Hard Disk: to save music/photos/videos
- Multimedia Gallery: to display photos/videos on the system display

- Control of "Comfort" parameters with possibility of setting the internal temperature and controlling the heating/cooling of the front seats.
- Split View: by using the  virtual key, different types of content can be displayed at the same time (for example: sat nav system and radio).

Important note



In the main system menu, the PHONE soft key is replaced by the APPLE CARPLAY soft key if an enabled peripheral is connected to the system. If you want to pair a peripheral using BLUETOOTH, first disconnect the peripheral from the dedicated APPLE CARPLAY USB socket or deactivate APPLE CARPLAY on your phone.

3

User interface



The infotainment system information is displayed on the 10.25" display in the centre of the dashboard. Users can interact with the system by touching the screen which has multi-touch technology and using the controls (1 joystick, 1 volume knob, 4 buttons) underneath the system display.



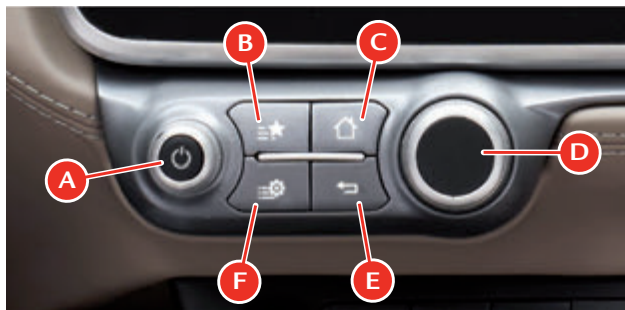
When using the multi-touch touchscreen, you have full access to all the system functions.

Warning



Do not touch the display with hard or sharp objects because they may damage the touchscreen surface.

Controls on dashboard



- **A** ON/OFF and volume control knob
- **B** FAVOURITES button
- **C** HOME button
- **D** Menu navigation joystick (can be pressed or moved in four directions)
- **E** BACK button
- **F** SETTINGS button

The SETTINGS button is always present in soft key form in the system contextual menus and is marked with the relative symbol:



Controls on the steering wheel



Some of the infotainment system functions can be controlled using the controls on the steering wheel.

There are 4 infotainment system steering wheel controls and buttons **G** (to activate the voice commands; if the voice recognition function is already active, the function may be deactivated by briefly pressing the button) and **H** (for call control) are on the front.

There are also 2 buttons with thumbwheels behind the steering wheel spokes in the positions indicated by the arrows in the figure.

The control behind the left-hand spoke of the steering wheel can be rotated to turn the volume up or down or can be pressed to activate the MUTE function.

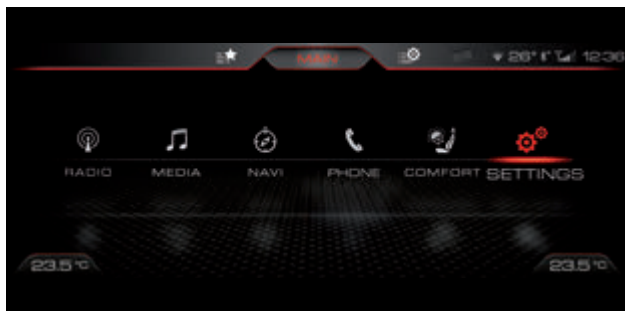
The control behind the right-hand spoke of the steering wheel controls the right TFT display screens.

Infotainment system information repetitions on the TFT display

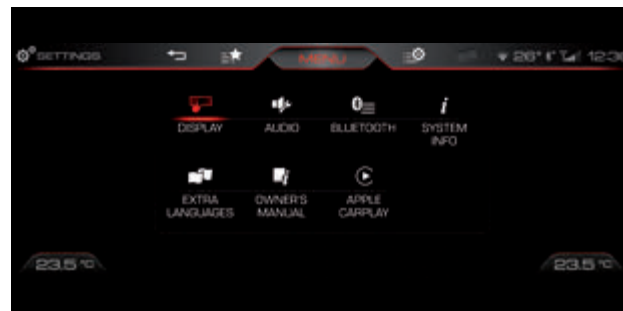
The infotainment system information is displayed in minimised form on the right TFT display of the instrument panel (the main screen of this display is the speedometer).

By using the control behind the right-hand spoke of the steering wheel, you can access the repeated information screens AUDIO = MEDIA/NAVI, PHONE.

Infotainment system setting



To access the system settings from the main screen, press the SETTINGS virtual key.



You can access the function control sections from the SETTINGS menu:

- DISPLAY
- AUDIO
- BLUETOOTH
- SYSTEM INFO
- EXTRA LANGUAGES

In this section you can select the additional languages for the infotainment system (by default the infotainment system language is the same as the one set for the instrument panel).

- MANUAL

This section contains a list of the main dealers in the FERRARI SERVICE NETWORK according to the country they are in and useful information taken from the Infotainment System manual.

- APPLE CARPLAY



How to pair a Bluetooth device

On the main screen of the sat nav system, press the PHONE soft key or press the SETTINGS soft key and select BLUETOOTH. Press the “+ Add Device” soft key to pair a new Bluetooth device (phone, tablet, etc.).

Important note



The PHONE soft key is replaced by the APPLE CARPLAY soft key if an enabled peripheral is connected to the system. If you want to pair a peripheral using BLUETOOTH, first disconnect the peripheral from the dedicated CARPLAY USB socket or deactivate APPLE CARPLAY on your phone.

The system prompts you to activate the Bluetooth mode on your own phone. You can now proceed:

Perform a search on the infotainment system to find your phone/device.

Select the desired phone/device (e.g. MyAndroid) to start pairing.

If the phone/device is recent, pairing occurs without using a secret code (in any case, the system displays a code) and you must accept the pairing request on your phone/device.

The system shows how the pairing process is progressing. If your phone/device is less recent, the procedure has just one extra step and the system will prompt you to enter the secret code described above.

Warning



The Bluetooth device, which is used to pair compatible peripherals, is located underneath the dashboard panels. This device emits electromagnetic radiation and you must therefore avoid prolonged exposure. Do not put your head near the vehicle dashboard where the infotainment system is situated. Place the Bluetooth paired peripheral (Smartphone, Tablet, or similar) in the pocket change compartment

and keep the peripheral at least 30 cm away from the occupants. Do not keep the Bluetooth paired peripheral in your pocket.

RADIO function

Press the RADIO virtual key to access this mode. To switch between the FM, AM and DAB (if available) sections/SiriusXM (if available)/ HD Radio (if available) press the SOURCE soft key.

Selecting a radio station

Once the desired band has been selected, you can scroll through the available radio stations by pressing the buttons “|<<” and “>>|”, or you can manually enter the desired frequency by using the keypad that can be accessed by using the radio settings menu (to access the radio settings menu, press the button underneath the infotainment system screen or the soft key with the same symbol ). You can also select the desired radio station from a list by pressing the “List” soft key.

Storing favourite radio stations

You can store your favourite radio stations for each frequency band. To store a favourite radio station, find the desired station, press the SETTINGS soft key and select “Add favourite” or press the star-shaped soft key that appears on the radio screen to the left of the name of the radio station you are listening to.

Scanning favourite radio stations

To scan your favourite radio stations, press the “Favourites”  soft key and go to the “Favourite stations” section (the “Filter fav.” option must be activated in the SETTINGS menu).

MEDIA function



Press the MEDIA soft key to access this mode. To switch between the DISC PLAYER (optional), BLUETOOTH, USB and HD sections, press the SOURCE soft key and select the desired source.

Disc mode

The DVD/CD changer is situated in the luggage compartment (LH side).

Important note



When placing a disc in the player slot, make sure the label is facing upwards.

Insert the disc in the slot: the system pulls it into the player.

Warning



The player only accepts 12 cm (4 ¾ inch) discs. The use of different-sized discs may damage the player mechanism.

The system can play original DVDs and compact discs (CDs). Insert supported CD formats only.

Playing a disc

To go to the next or previous track, press "| << or >> |".

To display and scroll through the list of multimedia content on the DVD/CD, press the "List" soft key in the bottom of the display.

Disc playing mode settings

In disc mode, press the SETTINGS  virtual key to access the options menu. Here you can select the desired disc in the DVD/CD changer, activate/deactivate "Shuffle" mode, activate "Repeat" mode and access the audio settings.

Bluetooth mode

In Bluetooth mode, you can play audio files stored on external devices. These can be connected to the system via the Bluetooth connection once the device has been paired.

Bluetooth mode settings

In Bluetooth mode, press the SETTINGS  virtual key to access the options menu. Here you can activate/deactivate "Shuffle" mode, activate "Repeat" mode and access the audio settings.

USB mode

The USB mode provides access to the files in the USB peripheral connected to the system via the connector in the pocket change compartment on the centre console.

USB connection

Using the USB connector, you can also play audio files from iPod®, iPhone®, Android and Windows Phone devices, using the USB cable supplied with the device.



Warning



Do not force connectors into the infotainment system ports. Before connecting, make sure that the connectors are the same shape and size as the port.

Playing multimedia content is the same as the disc/Bluetooth mode.

USB mode settings

In USB mode, press the **SETTINGS**  virtual key to access the options menu. Here you can copy the file that is being played onto the vehicle Hard Disk, search for a track on the USB device, activate/deactivate "Shuffle" mode, activate "Repeat" mode and access the audio settings.

Nav sat system (NAVI) function



Warning



Drive carefully, keep your eyes on the road and comply with road regulations.

From the main infotainment system screen, press the NAVI virtual key to go to Navigation mode.

When the main screen of the nav sat system is displayed, you can access the navigation options by pressing the MENU virtual key.

Main Navi menu

The main NAVI menu has the following menu items:

- **MAP**
Press the "Map" soft key to display a map of the current position.
- **Take Me Home**
Press the "Take Me Home" soft key to follow the route to the preset "Home" position.
- **Enter destination**
Press the "Enter destination" soft key to plan your destination.
- **Phone Book**
- **Favourite Dest.**
Press the "Favourite Dest." soft key to go to a destination saved as a "Favourites".
- **Recent Dest.**
Press the "Recent Dest." soft key to call up a recent destination.
- **POI (Points of Interest)**
Press the "Point of Interest" soft key to select a destination from the list of positions, public places or points of interest.
- **Where Am I?**
Press the "Where Am I" soft key to find your current position.

Destination entry using an address

Press the "Enter destination" soft key on the MENU screen in the NAVI section to display the available options.

To enter a destination by manually entering the address, press the “Address” soft key. You can also head for a “City Centre” or “Junctions”.

Alternatively, you can enter the destination by selecting a point on the map or entering the coordinates or phone number.

Once you have pressed the “Address” key, you can enter the Country, State (if available) City, District (if available) Post Code and Address.

You can also set a destination by pressing down on a point on the map for a few seconds.

Once the desired destination has been selected, the system displays the MAP screen and 4 options:

- **Start**
The system starts navigating towards the set destination.
- **Avoid**
In this context menu, you can tell the system which routes to avoid (e.g.: "Avoid unpaved roads", "Avoid ferries", etc.).
- **Alter.**
The system displays the alternative routes available.
- **Add as Fav.**
You can add the destination to your "Favourites".

The planned route can be interrupted at any time by pressing the “STOP” virtual key.



Navigation options

To access the navigation settings, with the NAVI screen displayed, press the **SETTINGS**  virtual key.

The navigation options can be used to access the following sections:

- Auto zoom: ON/OFF
- Current street: ON/OFF
- Map view: 2D/3D/2D North Up
- 3D buildings: ON/OFF
- Traffic event list
- Map colours: AUTO/DAY/NIGHT
- Manage P.O.I.
- Speed limit: ON/OFF
- Display OFF

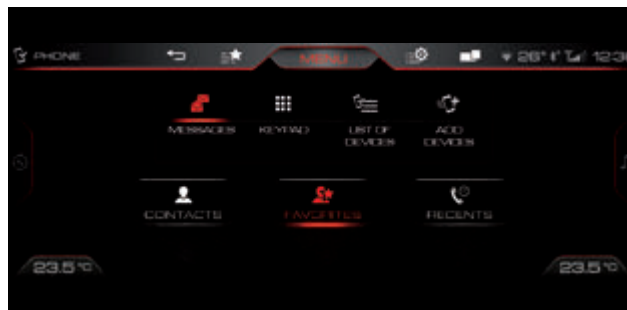
If you are navigating towards a destination, the following additional menu items appear in the SETTINGS menu:

- Stop guidance
- Show route



- Move map to dest.
- Turn list
- Manage waypoints

Telephone function



The telephone function is a hands-free in-vehicle communications system that allows you to dial a phone number with your mobile phone by using simple commands or the soft keyboard that appears on the display.

Your phone's audio is transmitted via the vehicle audio system; when the telephone function is used, the infotainment system automatically mutes the car radio.

To use the telephone function, you must first of all pair a Bluetooth-compatible mobile phone (as described on the previous pages).

Important note



Two different phones can be connected to the system. To change the priority of the devices from the screen, go to the SETTINGS menu by clicking the  virtual key and select "Switch priority".

From the main infotainment system screen, press the PHONE virtual key to go to Phone mode.

When the phone is connected, three soft keys are displayed in the bottom of the display which can be used to access the functions: Contacts, Favourites and Recent Calls.

Contacts

Press the "Contacts" soft key to access the paired phone's address book. A contact can be assigned as a favourite by pressing the "Favourites" virtual key or pressing the  virtual key and clicking on "Add Favourite".

Manual search

You can call up the desired contact by entering the name in the "Manual search" field above the contacts list.

Favourites

From the main "Phone" screen press the "Favourites" soft key to access the list of favourite numbers which have been previously saved in the "Contacts" list.

Recents

Press the "Recents" soft key to access the list of numbers used recently.

Making a call

To make a call, you can select a contact from the "Contacts", "Favourites" or "Recents" lists or manually enter the phone number using the soft keyboard that appears on the display; to call up the soft keyboard, click on the MENU virtual key displayed on the "Phone" screen and select "Keypad".



"Phone" button on steering wheel

Use button **H** to go to the PHONE screen of the infotainment system without taking your hands off the steering wheel. If there is an incoming or ongoing call, button **H** can be pressed to accept/end the call.

Push To Talk function

The Push To Talk function is a hands-free in-vehicle communications system that allows you to navigate the system by using simple voice commands.

To call up this function, press button **G** on the steering wheel.

if the voice recognition function is already active, the function can be deactivated by briefly pressing button **G**.

If you give the voice command "Guidance", the system reads out a list of voice commands for the screen that is displayed at that time.

The voice recognition system is flexible and identifies a set of words pronounced by the user by extracting the meaning to activate the desired function. For example, different phrases can be used to call up the same function.

For example, in the relevant screen, if you say "Connect telephone" or "Pair telephone" the system activates the same function. You can therefore speak freely because the system is designed to understand commands even if different words are used.

When a phone/device is connected, press and hold down button **G** to activate the voice recognition function which is built into the phone/device (if compatible).

Comfort function

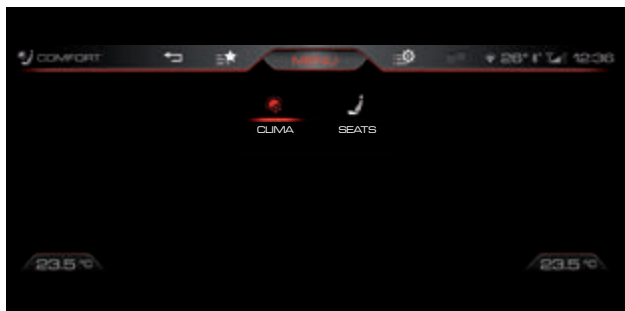
From the main infotainment system screen, press the COMFORT virtual key to go to relative section.

3



Every screen displayed by the infotainment system always shows the AC and heating system gauges for the driver side and passenger side (example:).

You can modify the air conditioning and heating parameters at any time by clicking on the temperature gauge virtual keys (example:). The system displays the control bars as indicated by the arrows in the figure above.



The COMFORT function controls the following parameters directly from the infotainment system screen:

- Air conditioning and heating system
- Seat comfort (heating/ventilation)

Air conditioning and heating system



With the exception of the MONO control (deactivation of bi-zone mode), the screen controls are the same as the controls on the dashboard air conditioning (see page 143).

Seats



1. Seat heating function, if activated, the soft key comes on.
2. The seat elements are RED if the heating function is activated.
3. Intensity level of desired function (OFF indicates that the function is deactivated).
4. At the bottom of the display, you can select the seat on which you want to activate the desired function. The controls are separate for each seat.

Cruise Control

The Cruise Control is an electronic device designed to help the driver drive at a constant speed of over 30 km/h without having to keep the accelerator pedal pressed.

Important note



We recommend only using the device on long, dry stretches of road requiring few gear changes (e.g. motorways). Do not use the device for city driving.

Important note



PIT SPEED is a term taken from the motor sports world used by Ferrari to indicate the speed memorised using the device and does not endorse inappropriate behaviour on the road which does not comply with Traffic Regulations.



Activating the device

To activate the device, press control **A**.

When Cruise Control is activated, a warning lamp lights on the instrument panel and the message “Cruise Control ON”, together with the specific symbol, are shown for 5 seconds on the left TFT display.

The device cannot be activated when reverse or 1st gear are engaged.

When going down slopes with the device on, the vehicle speed may be slightly higher than the memorised speed.

Memorising the speed

Proceed as follows:

- with the device activated, bring the vehicle to the desired speed by pressing the accelerator pedal;
- turn control **B** clockwise (+) for at least 3 seconds and then release it: the speed of the vehicle is memorised and you can release the accelerator pedal.

If necessary, you can accelerate by pressing the accelerator pedal: when the pedal is released, the vehicle will return to the previously memorised speed.

Resetting the memorised speed

If the device has been turned off by pressing the brake pedal, the memorised speed can be reset as follows:

- gradually accelerate until the vehicle reaches a speed that is close to the memorised speed;
- quickly press control **B**.

Increasing the memorised speed

This can be done in two ways: by pressing the accelerator and memorising the new speed reached or by turning control **B** clockwise (+).

One turn of the control corresponds to an increase in speed of about 2 km/h; if the control is kept turned on the other hand, the speed continually increases.

Reducing the memorised speed

This can be done in two ways: by deactivating the device and then memorising the new speed or by turning control **B** counterclockwise (-).



One turn of the control corresponds to a decrease in speed of about 2 km/h; if the control is kept turned on the other hand, the speed continually decreases.

Deactivating the device

Hold down control **A** for at least 0.3 seconds. The device is also automatically deactivated by pressing the brake pedal.

When it is deactivated, the warning light on the instrument panel goes out and a “Cruise Control OFF” message accompanied by a special symbol appears on the left TFT display for 5 seconds.

Warning



While driving with the device activated, do not put the vehicle into “N” (neutral).

Warning



If the Cruise Control is malfunctioning or faulty, deactivate the device and contact the FERRARI SERVICE NETWORK.

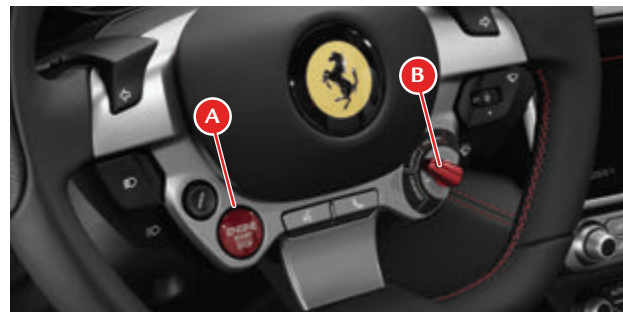
Steering wheel and controls

Start button

By pressing the ENGINE START button **A** after “KEY-ON” (the vehicle system comes on), the engine starts when it is pressed again and the brake pedal is held down. When the engine has started, release the ENGINE START/STOP button.

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

For more information on starting the engine, see paragraph Driving the vehicle (see page 121).



Driving mode control switch “Manettino”

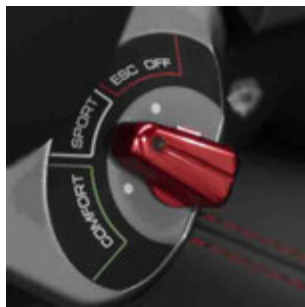
The driver can select the desired driving mode by using the “Manettino” **B**.

The driving mode selected does not exempt the driver from complying with the rules of safe driving.

Important note



In the event of a failure of one of the onboard systems, signalled by the special symbol on the left TFT display, the Manettino” moves to a “recovery” position, but still allows the vehicle to be driven. In these cases, contact the FERRARI SERVICE NETWORK.



Driving modes that can be selected with “Manettino”

COMFORT mode

This mode offers an optimal compromise between performance and comfort and is recommended for everyday driving in medium-high grip conditions.

SPORT mode

This mode is for sports-style driving in high-grip conditions. This mode is designed to ensure stability only in medium-high grip conditions.

Important note



This Manettino setting is only recommended for track use.

ESC OFF mode

In this mode, the ESC system is disabled: it allows the driver complete freedom and control of the vehicle for track use. No electronic systems other than the E-Diff control vehicle stability.

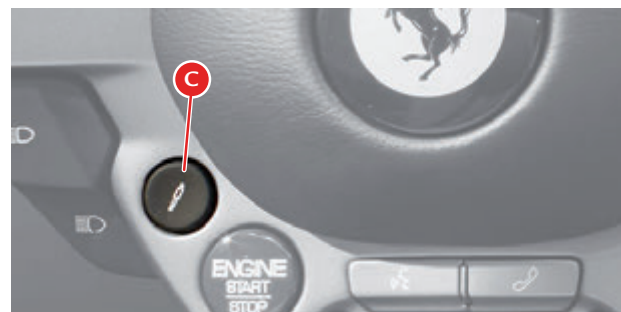
Important note



This Manettino setting is only recommended for track use.

For further information on the driving modes that can be selected, refer to the paragraph Driving using the driving mode control switch (see page 121) in the Driving the vehicle section.

Suspension damping delink button



By pressing button **C** on the left of the steering wheel, the driver can choose to separate the suspension damping control from the logic of the “Manettino” driving mode control switch.

For more information, see the paragraph Suspension damping delink button (see page 131).



Horn control



Press in the position indicated by letter **D** to activate the horn.

"UP" shift paddle

Pull the right-hand UP paddle towards the steering wheel to shift gears up.

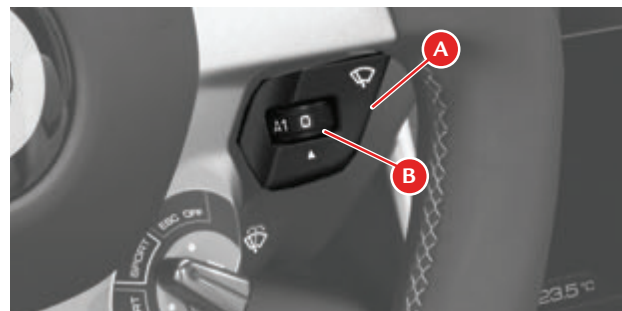
"DOWN" shift paddle

Pull the left-hand DOWN paddle towards the steering wheel to shift gears down.



Windscreen washer/wiper

Windscreen washer/wiper lever



Important note



The windscreen wipers and washer only work when the instrument panel is activated.



The windscreen wipers and washer are operated using lever **A** on the steering wheel. This can be quickly pulled back to temporarily activate the windscreen wipers (antipanic wiping).

The windscreen wipers can be set to the following speeds using control **B**:

0 - Wipers stationary.

1 - Slow continuous operation

2 - Fast continuous operation

AUTO 1 - The rain sensor adapts the frequency of the wipers to the intensity of the rain (rain sensor set to medium sensitivity).

AUTO 2 - The rain sensor adapts the frequency of the wipers to the intensity of the rain (rain sensor set to maximum sensitivity).

The windscreen wiper speed is indicated in the top of the left TFT display (example: ).

Important note



Windscreen wiper operating is always guaranteed even if there is an electronic system failure. If there is a failure, the windscreen wipers can be activated by pressing lever **A** and deactivated by pulling it back.

If there is a particularly serious failure, operating may not be automatically maintained: if this is the case, the windscreen wipers can be kept activated by holding down lever **A**.

Windscreen washer

To activate the windscreen washer, keep lever **A** pulled. When the lever is released, the windscreen wiper returns to the preset speed.

Warning



Do not start the windscreen washer during the cold months until the windscreen has warmed up. If it has not warmed up, the liquid could freeze on the glass and interfere with visibility.

Rain sensor

The rain sensor automatically adjusts the windscreen wiper timing to the intensity of the rain. The system is activated by moving the windscreen wiper to **AUTO 1** or **AUTO 2**.

When operating automatically, the wiper speed ranges from a minimum intermittent setting (one wipe every 5 seconds approx.) when the windscreen is damp to fast continuous operation in heavy rain.

Important note



The rain sensor function is deactivated when the instrument panel is switched off by leaving the windscreen wiper in **AUTO** position.

Warning



Before cleaning the front windscreen (at a service station, for example), make sure you have deactivated the windscreen wiper function (control **B** set to **0**). The windscreen wiper must also be deactivated when washing the vehicle by hand or in automatic car washes.

In case of ice or snow on the front windscreen, do not activate the windscreen wiper to avoid damaging the wiper motor and/or blades.

Rain sensor failure

If there is a rain sensor failure, indicated by a special symbol on the left TFT display while the windscreen wiper is set to **AUTO 1** or **AUTO 2**, the wipers will be set to intermittent operation with one wipe every 1 second

3



approximately. If this is the case, we recommend that you deactivate the rain sensor and turn on the wipers, if necessary, in continuous mode.

Important note



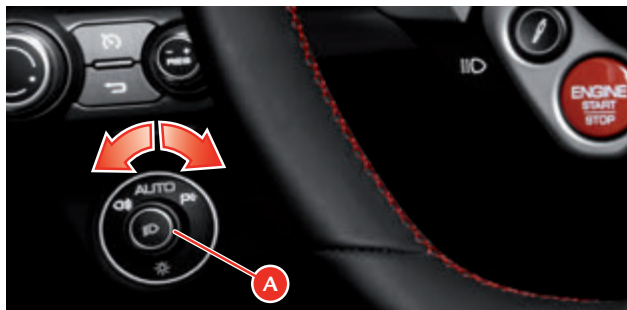
If this occurs, contact the **FERRARI SERVICE NETWORK** as soon as possible.

Lighting

External lights

The external lights and turn indicators only work when the instrument panel has been activated (KEY-ON).

Every time the instrument panel is turned on (KEY-ON), the external lights are switched on in automatic mode (the **AUTO** symbol becomes green) and the daytime running lights (DRL), low beams and number plate lights are turned on and off automatically according to the ambient light detected by the twilight sensor.



Light switch

The light switch **A**, located on the dashboard to the left of the steering wheel, indicates the operating mode of the external lights.

When the **AUTO** symbol is green: the external lights are switched on and off automatically according to the ambient light detected by the twilight sensor. If the twilight sensor detects low ambient light conditions, the low beams are switched on automatically. If the ambient light conditions are sufficient, the lower beams are switched off and the daylight running lights (DRL) are turned on.

To go to manual mode for switching the external lights on and off, push lever **A** once towards the dashboard. The **AUTO** symbol will turn white.

By switching to manual mode, the driver can perform two different operations:

- If the low beams were on in **AUTO** mode, when switching to manual mode they are turned off and the daytime running lights (DRL) come on.
- If the low beams were off in **AUTO** mode, when switching to manual mode they are turned on and the daytime running lights (DRL) are switched off.



High beams



With the instrument panel activated (KEY-ON) push lever **B** on the steering wheel towards the dashboard to switch on the high beams.

When the high beams are on, the relative warning light on the instrument panel comes on.

Pull lever **B** back to turn off the high beams and turn on the low beams.

Flashing the headlights

The headlights can be flashed by pulling back the left-hand lever **B**.

Flashing also occurs with lights off if the instrument panel is activated (KEY-ON).

The high beams are used for flashing.

Important note



Follow the Road Regulations of the country you are travelling in for using the high beams.



Parking lights

The parking lights only work when the instrument panel is switched off (KEY-OFF).

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

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

When the parking lights are on, press and hold one of the two turn indicator buttons **C** on the steering wheel for more than 0.5 seconds to turn on the single-side parking lights on the corresponding side; press the same turn indicator again for more than 0.5 seconds to go back to full parking lights.

When the partial parking lights are on (on only one side of the vehicle), the running light warning light turns off whereas the vehicle symbol indicating which parking light is on (left or right) is displayed on the left TFT display for 10 seconds.

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.

3



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.

Rear fog lights

These are only activated with the low beams or high beams turned on by turning lever **A** to the symbol ; the relevant warning light comes on on the instrument panel to indicate that they have been turned on.

To deactivate the rear fog lights, turn switch **A** to the symbol .

Important note



Use the rear fog lights only in poor visibility conditions.

Twilight sensor

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

Sensor sensitivity can be set to three levels: call up the SETTINGS screen page, select the items “Car settings” and “Light sensor” and use the joystick in the satellite controls on the left TFT display to select the desired level.

In the event of sensor failure, the system switches 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 is turned to AUT. If this occurs, we recommend that you deactivate the automatic system and turn on the external lights manually if necessary.

Important note



If this occurs, contact the Ferrari Service Network as soon as possible.

Day lights

The LEDs on the headlights serve as front turn indicators and day lights.

To activate or deactivate the day running lights, call up the SETTINGS screen page on the left TFT display, select the items “Car settings”, “Day lights” and select ON to activate the function and OFF to deactivate it.



Turn indicators

Quickly press the left indicator or right indicator button **C** on the steering wheel to switch on the relevant turn indicator.

The relative warning light or comes on on the instrument panel.

The turn indicator goes off when the steering wheel is realigned.

Holding down one of the two **C** buttons (for more than 0.3 seconds) temporarily switches on the relevant turn indicator.

it is switched off after 3 flashes (“lane change” function).



Hazard warning lights

Press button **F** to turn on the hazard warning lights. All the turn indicators will start blinking intermittently; they operate irrespective of whether the instrument panel is activated or not.

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

To turn them off, press the button again.



“Auto Hazard” function

The “Auto Hazard” function automatically switches on the hazard warning lights in the event of sharp braking.

To activate or deactivate the function, call up the SETTINGS screen page, select the items “Car settings”, “Auto Hazard” and select either “ON” or “OFF”.

“Follow me home” function

With the “Follow me home” function, the low beams stay lit for a preset period of time once the engine has been turned off and light up the area around the vehicle to help the driver and passengers see their way in the dark.

To activate this function manually, push the high beam/flash stalk **B** with the instrument panel switched off, within 3 minutes of switching off the engine (this time is reduced to 30 seconds if the driver side door is opened). Each time lever B is pressed, the period of time that the low beams remain on increases by 30 seconds up to a maximum of 210 seconds.

Each time lever **B** is pressed, the message “Follow me” appears on the left TFT display followed by the preset period of time that the low beams remain on.

AFS2 adaptive headlights (optional)

The AFS2 adaptive headlight system (available on request) enables synchronous movement of the left and right front beams (high and low) and has been designed to illuminate the road better and reduce areas of shadow in the vehicle's trajectory.

The headlights' swivel angle, which ranges from 8° inwards and 15° outwards, is defined by the steering angle. The AFS2 system also uses a “Dynamic Levelling” device that directs the light beam vertically when accelerating and braking by moving the headlights up to 1.9° upwards when braking and up to 1° downwards when accelerating.



The adaptive headlight system deactivates its corrective action when driving round bends at low speed.

Dome light

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

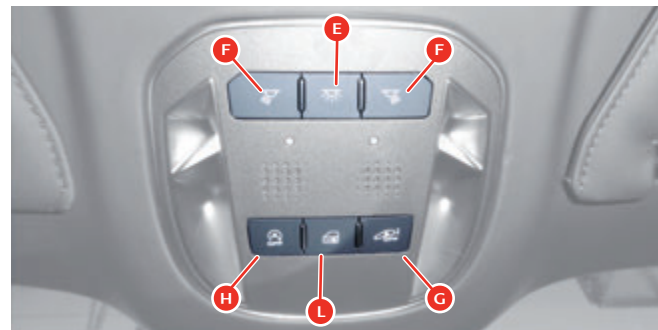
Switches **F** turn the driver-side and passenger-side spotlights on and off.

The dome light activates automatically in the following conditions:

- when a door is opened, for approx. 3 minutes
- when all the doors are closed with the instrument panel deactivated, for approximately 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 expires
- when the doors are closed and the instrument panel is activated
- when the doors are locked
- when the inertia switch is reactivated.



Roof panel controls

Door lock/unlock

Both doors can be locked by activating/deactivating the “LOCK/UNLOCK (see page 74)” button **L**.

Deactivating the anti-lift volumetric alarm

Press button **G** to deactivate the anti-lift volumetric alarm (see page 16) system.

Stop&Start system

Press button **H** to activate/deactivate the Stop&Start (see page 134) system.



Driving the vehicle

Running-in

The latest manufacturing techniques have allowed us to achieve high precision and accuracy levels in the construction and assembly of components. Nonetheless, the vehicle movable parts undergo a settling process, basically during the first hours of operation.

Engine and transmission

Avoid exceeding 5,000 RPM for the first 1,000 km.

After starting, do not exceed 4,000 RPM until the engine has warmed up (oil temperature: 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 (central and sides).

Before a trip

Preliminary checks

Check the following at regular intervals and always before long trips:

- tyre pressure and condition
- levels of fluids and lubricants
- condition of windscreen 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 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 "Refilling" table.

Starting and driving the vehicle

System start-up

When the instrument panel is activated (KEY-ON) both the TFT displays on the instrument panel are activated and system diagnosis is performed. During diagnosis, which lasts 5 seconds, a check is performed on the warning lights on the panel and the presence of any faults is checked.

If diagnosis detects any errors, they are only displayed once the 5 seconds required for the check have elapsed. The cases listed below are an exception and errors are displayed as soon as the key is turned on, even during diagnosis:

- Low engine oil pressure
- Inertia switch triggered

3



- Electronically controlled gearbox safety warnings
- EPB deactivation warning

If the next scheduled maintenance deadline is approaching, each time the key is turned to on, information on scheduled maintenance is automatically displayed after diagnosis.

Finally, each time the key is turned to on, the message for activation of the alarm when an intrusion has been attempted is also displayed (after diagnosis). Once the system check has been completed, the gearbox display is activated and the letter “P” (Parking) or “N” (Neutral) will be displayed.

Important note



BEFORE YOU DRIVE

If the gearbox warning light (see page 98) does not turn off after diagnosis, indicating a fault in the gearbox (which is also indicated by a symbol and specific message on the left TFT display), contact the FERRARI SERVICE NETWORK.

Important note



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

The default setting for the DCT gearbox is always “Automatic” mode.

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

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

Important note



Immediately release the UP and DOWN paddles or button R after the gearbox display shows that the gear has been engaged; a prolonged manoeuvre will cause the failure warning light to turn on and trigger 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 engaged after approximately two seconds.

“Key-Less” ignition system

The new Ferrari keys use a Key-Less vehicle ignition system which can be used to switch on the instrument panel and the engine by simply placing the key inside the vehicle near the driving area. The dedicated ECU recognises the vehicle key by the electronic ID code it contains. The ENGINE START/STOP button on the steering wheel controls KEY-ON, KEY-OFF, ENGINE START and ENGINE STOP.

- **KEY-ON**, to activate the vehicle system (instrument panel, air conditioning and heating system, infotainment system, etc.), press and quickly release the ENGINE START/STOP button on the steering wheel.
- **KEY-OFF**, to deactivate the vehicle system without starting the engine, press the ENGINE START/STOP button on the steering wheel again.
- **ENGINE START**, to switch on the engine, press down the brake pedal and press the ENGINE START/STOP button on the steering wheel.

Important note



Hold the brake pedal down while starting the engine.

- **ENGINE STOP**, to switch off the engine when the vehicle is stationary, press the ENGINE START/STOP button on the steering wheel.

If the vehicle is in motion and the engine has to be switched off in an emergency situation, press the ENGINE START/STOP button and hold it down for at least 2 seconds (alternatively, press the button quickly 3 times in succession). If the key battery has a charge level that is only just sufficient, the vehicle informs the driver via a message on the left TFT display of the instrument panel and recommends replacing the battery as soon as possible. If the battery is flat or the key is not recognised, perform the emergency switching off procedure (see page 158).

Warning



If the door closing button on the key is pressed when inside the vehicle, the engine start function is disabled. The door opening command must be given to deactivate the alarm and, in this way, the engine can be restarted. This occurs even if the door opening command is given by a key outside the vehicle when a second key is inside. The engine start function of the second key (inside the vehicle) will be disabled. By issuing the door opening command on any registered key, the engine start function is reset.

If the engine fails to start after several attempts, check for one of the following causes: insufficient starter motor speed (flat battery), faulty ignition device, faulty electrical contacts, fuel pump fuses blown.

Warming up the engine

Do not run the engine at high speed until the engine oil temperature has reached at least 65-70 °C, approximately.



3

Starting the vehicle

With the engine started, the vehicle stationary and the brake pedal pressed, pull the right-hand **UP** paddle towards the steering wheel to engage **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** on the centre console 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 **LAUNCH** to engage gear” will appear on the left TFT display; you can therefore engage the gear by pressing the **LAUNCH** button on the centre console and the brake pedal. In these cases, the “Launch Control” function is not available. If the engaged gear was **R**, the **LAUNCH** 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.

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

Important note



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 because of engine overrevving.

UP-shifting due to overrevving

The system “automatically” engages a higher gear if the accelerator pedal is pressed and the engine approaches the “runaway speed rate” (overrevving).

Important note



This will not occur when the system is in “SPORT” and “ESC OFF” driving mode.

DOWN-shifting

Use the left-hand **DOWN** paddle 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 because of engine underrevving.

In any event, it is advisable to: shift gears without releasing the accelerator pedal if pressed; 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 shifts down “automatically” if the engine goes below a minimum number of revs (1250 RPM).

Sequential downshifting

During deceleration, with the brake pedal pressed and the ABS system disabled, sequential down-shifting can be performed by holding the left-hand “**DOWN**” paddle down.

The sequential gearshifting request is accepted until the second gear is engaged.

“N” (Neutral) request

With the engine running, pull both **UP** and **DOWN** paddles towards the steering wheel at the same time without pressing the brake pedal to request neutral “N”. 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 Neutral has already been requested. When the vehicle is stationary and the engine is running, hold the brake pedal down until ready to move off again.

Switching off the engine

The engine can be switched off with the gearbox either in “N” or with a gear engaged. After switching off the engine (ENGINE STOP), the gearbox display remains on for a few seconds and indicates which gear is engaged. If the gearbox is in “N” an acoustic alarm that lasts seconds is emitted and the message “Gearbox not in Parking position” appears on the left TFT display. Before switching off, the letter “P” is displayed on the gearbox display to inform the driver that the Park Lock has been activated.

Warning



Never leave the vehicle with the gearbox in “N”. Always make sure that the letter “P” (Parking) appears on the gearbox display. If the Park Lock system is not working properly (gearbox locked in “N” position), contact the FERRARI SERVICE NETWORK.

Warning



NEVER leave the vehicle with the engine running.

If the driver unfastens the seat belt, opens the driver-side door and walks away with the car key when the engine is still running, an alarm sounds 5 times to warn the driver that the engine must be switched off. If the engine stays running for more than 20 minutes without the brake pedal being depressed, the message “Turn OFF engine” is displayed on the left TFT display and a 30 second countdown begins. When the countdown has ended, a loud acoustic signal is emitted. Switch off the engine to stop the acoustic signal.

Warning



Never leave the vehicle with the engine running in enclosed spaces (e.g.: garage). The exhaust gases of the engine contain carbon monoxide

which is a colourless, odourless gas that can cause serious damage to health, unconsciousness, and even death.



“Automatic gearbox” mode

The “Automatic gearbox” mode is enabled/disabled by pressing the **AUTO C** button on the centre console. When the “Automatic” mode is enabled, the word “auto” appears on the gearbox display. To exit the “Automatic” mode, you must press the **AUTO** button until the word “auto” on the gearbox display disappears.

When the “Automatic Gearbox” mode is enabled, the system will automatically **UP**-shift and **DOWN**-shift according to vehicle speed, engine revs and the torque/power request of the driver.

When you are in “Automatic” mode, you can however manually shift gears using the UP and DOWN paddles. The system remains in “Automatic” mode: this is indicated by the word “auto” that remains on the gearbox display in flashing mode when the paddles are used.

When the vehicle is stationary, a “N”, 1st gear or “R” request will not result in a change from “Automatic” to “Manual”.

“Auto easy exit” mode



Every time the vehicle is started, the gearbox starts in “Auto easy exit” mode unless it was in “Automatic” mode when the engine was turned off. In this case, it remains in “Automatic” mode the next time the engine is started.

Activation is signalled by the word “auto” and an arrow in the gearbox display.

In this mode, the system will automatically UP-shift and DOWN-shift according to vehicle speed, engine revs and the torque/power request of the driver.

To exit the “Auto easy exit” mode and go to “Manual” mode, operate the **UP** or **DOWN** paddle (while the vehicle is moving) or press the **AUTO** button on the centre console.

If the “Automatic” gearbox mode is then requested by pressing the **AUTO** button, the system will apply all the characteristics of the “Automatic” gearbox mode.

Push start

Warning



Push starting is not allowed.

Safe driving

For safe driving, 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.

- Ensure that nothing (e.g. mat covers, etc.) is blocking the pedals.
- Check that the lights and headlights are working properly.
- Ensure that any child restraint systems (e.g. child seats, cradles 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 drinks before and during the journey.

At regular intervals, check the following:

- Tyre pressure and condition.
- Engine oil level.
- Engine coolant level and system condition.
- Brake fluid level.
- Steering fluid level.
- Windscreen washer fluid level.

While travelling

- Caution is the number one rule for safe driving which also means you should take other people's behaviour into consideration.
- Follow the Road Regulations in force in the country you are driving in and always respect the speed limit.
- Always make sure that the driver and passengers have their seat belts fastened and that all children are travelling in suitable child seats.
- Good personal physical conditions ensure you can drive long distances safely.

Warning



Driving under the influence of drugs, some medicines and alcohol is dangerous to yourself and others as well as contravening road regulations and legal norms.



Travelling without your seat belt fastened increases the risk of serious injury and death in the event of a collision. Always fasten seat belts and use child seats, if present.

Do not travel with objects lying on the floor, especially in front of the driver's seat: in the event of braking, these could slide under the pedals, making it impossible to brake or accelerate.

Additionally, ensure that any loose floor mats sit 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 air circulation constant 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 travelling 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 judge the speed of vehicles in front of you as you can only see their tail lights: 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 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.

Warning



Given the vehicle's reduced ground clearance, a characteristic that guarantees exceptional aerodynamic performance and driving comfort, in adverse weather conditions we recommended driving through standing water or floods as slowly as possible. This recommendation should be observed to prevent water entering the intake ducts and causing irreparable damage to the engine.

All manoeuvres are more difficult on a wet road since tyres have significantly less grip on the road. This means that the braking distances increase considerably and road-holding decreases.

Here is some advice for driving in the rain:

- Slow down.
- 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.
- Drive through puddles at low speed to avoid 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” (when the tyre no longer touches the road surface because the side channels of the tyre tread are not capable of removing all the channelled water due to their particular shape or insufficient depth and a layer of water is placed between the road surface and the tyre. The fluid pressure generated is so high that it supports the vehicle's weight making it virtually impossible for the driver to control the vehicle).

- Use the air conditioning and heating system (see page 143) to demist the windscreen and avoid visibility problems.
- Periodically check the condition of the windscreen wiper blades.

Driving in fog

Whenever possible, avoid travelling if there is thick fog. 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 stretches 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 manoeuvres are more difficult and braking distances are longer.
- Keep a safe distance from the vehicle in front of you.
- Avoid suddenly changing speed and direction as far as possible.

- Avoid overtaking as far as possible.
- In the event of an emergency stop, (e.g. failures, inability to proceed due to poor visibility conditions, etc.) try to free 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.
- Drive at a moderate speed 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 tyres 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.

Therefore, 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 prevents the wheels from locking and skidding during emergency braking, particularly in low-grip conditions.
- It allows braking and changing direction at the same time. This feature is affected by the physical limits and lateral grip of the tyres.
- When the ABS is activated, you will feel a slight pulsing of the brake pedal during emergency braking or in low-grip conditions. DO NOT release the pedal but continue to push 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 tyres and the road: keep a safe distance from the vehicles ahead and reduce speed before curves.

Power steering system

The power steering system helps the driver to steer more precisely while exerting less force on the steering wheel.

Important note



Remember that power steering does not work when the engine is switched off and more force is therefore needed when steering.

Warning



Do not keep the steering wheel fully turned (locked position) to the right or the left for more than 15 seconds when the engine is running. This may damage the power steering system.

Important note



If the power steering system is not working properly, as indicated by a symbol which appears on the left TFT display, contact the FERRARI SERVICE NETWORK.

Suspension damping control (optional)

If requested, the vehicle can be equipped with latest generation MagneRide™ magnetorheological suspension (optional), a system perfected by FERRARI for continuous automatic damping control.

By processing data received from the vehicle dynamics sensors and sensors that detect bodyshell movements, the ECU interprets the driving conditions and the road surface and immediately adjusts suspension response by varying the control current of each shock absorber.

These sensors allow the ECU to calculate the vehicle speed, vertical and lateral acceleration, steering angle and instantaneous pressure in the braking system, and hence to control suspension damping.

This system not only ensures an optimal compromise between racing-style performance (handling) and comfort, but is capable of emphasising either aspect by using the different adjustments available controlled by the “Manettino” driving mode control switch. Three different setting levels are available on this vehicle.

Setting optimised to obtain the best traction in low-grip conditions, for example on snow or ice.

Level 1 (COMFORT)

Slightly more flexible setting optimised to absorb road unevenness and provide better grip on wet surfaces.

Level 2 (SPORT)

3



Slightly more rigid setting optimised for sports-style driving and for high speed (with medium-high grip or on track), without significantly affecting comfort.

Level 3 (RACE)

Even more rigid setting optimised for use on the track.

Driving using the driving mode control switch ("Manettino")

The driving mode control switch on the steering wheel allows the driver to use the vehicle potential in a fast and intuitive way.

There are five modes available, which correspond to the grip level (from low to high) and consequently to the level of driving assistance required (from high to none).

COMFORT mode

The "COMFORT" mode offers an optimal compromise between performance and comfort and is recommended for everyday driving in medium-high grip conditions. Suspension damping remains at the same level as the previous setting whereas the ESC system switches to Level 3.

If "COMFORT" mode is selected, it is indicated on the left TFT display as shown below:

SPORT mode

"SPORT" mode is for sports-style driving in high-grip conditions. This mode is designed to ensure stability only in medium-high grip conditions. Suspension damping shifts to Level 3 and gearshifting is more racy. The ESC system also switches to a different level offering you greater driving freedom. If "SPORT" mode is selected, it is indicated on the left TFT display as shown below:

ESC OFF mode

In "ESC OFF" mode the ESC system is disabled. No electronic systems other than the E-Diff control vehicle stability and the driver is allowed complete freedom and control of the vehicle for track use.

Warning



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

Important note



When "ESC OFF" mode is selected, the Manettino lever automatically goes back to "SPORT" mode: this occurs because each time the engine is started, the ESC system is reactivated.

Important note



When the brake pedal is pressed, traction control is activated via the VDC system (vehicle dynamics control via the braking system).

If "ESC OFF" mode is selected, this is indicated on the left TFT display as shown below:

Warning



Test-driving the vehicle occasionally on the race track: after each start, cover the first straight stretch of the track (at least 500 meters) at a constant speed so that the traction control system and the ABS may calculate exactly the grip available and the diameter of the tyres (the calculation is reset every time the engine stops).

If this rule is not followed, system performance may be reduced.



Carbon ceramic (CCM) brakes

The Ferrari high performance CCM braking system has been designed to guarantee the highest possible level of safety when braking.

When braking the braking system may make a noise, the intensity of which depends on the speed, braking force and environmental conditions (e.g. temperature, humidity).

The degree of wear and tear of the various braking system components, such as brake pads and discs, depends to a large extent on driving style and conditions of use and cannot be expressed in terms of mileage.

Important note



The wear and tear of the braking system components increases significantly when the vehicle is used in heavy duty conditions (if the vehicle is frequently used on the track or in heavy traffic).

Suspension damping delink button (optional)

The driver may decide to separate the suspension setting from the logic of the “Manettino” driving mode control switch using the special button **A** on the steering wheel.

By pressing button **A** with the SPORT or ESC OFF mode activated, the suspension setting shifts to Level 1 (COMFORT).

Position of Manettino	Suspension setting	Button A pressed
COMFORT	COMFORT	remains COMFORT
SPORT	SPORT	shifts to COMFORT
ESC OFF	RACE	shifts to COMFORT

If button **A** has been pressed and subsequently the position of the Manettino is changed, the suspension setting follows the operating logic dictated by the Manettino.

Important note



Upon turning off and restarting the vehicle, the suspension setting depends on the position of the Manettino.

When the Manettino is set to SPORT or ESC OFF, shifting to the COMFORT suspension setting by pressing button **A** is indicated by displaying the special symbol and “Bumpy road” message on the left TFT display for 5 seconds.

Once 5 seconds have elapsed, next to the Manettino status in the centre of the display, the suspension symbol  continues to be displayed.



3



Electric power steering (EPS)

This vehicle has electric power steering (EPS).

By integrating the EPS with other driving controls, two new functions have been introduced:

- **Ferrari Peak Performance (F.P.P.):** when cornering, the power steering indicates to the driver that the vehicle is close to its grip limit and helps to maintain the best steering angle.
- **Ferrari Power Oversteering (F.P.O.):** if the vehicle starts to oversteer when coming out of a corner, the power steering helps the driver to realign correctly.

EPB - Electric parking brake

On this vehicle the parking brake is actuated by an electric motor.

The parking brake can be applied and released by pulling a special lever **B** on the dashboard to the left of the steering wheel. When the instrument panel has been activated (KEY-ON), the relative warning light comes on on the instrument panel to indicate that the parking brake is engaged

To release the parking brake, pull lever **B** and keep the brake pedal pressed. If the instrument panel is activated, the warning light goes out when the parking brake has been fully released.

The electric parking brake can be used as an emergency brake when the vehicle is in motion. If this is the case, the system acts on all four wheels until button **B** is released by communicating with the ESP system which prevents locking.

Warning



Always apply the parking brake when the vehicle is parked. The vehicle should be blocked. If this is not the case, please contact the Ferrari Service Network.



Autopark function



The EPB Autopark function automatically activates the electric parking brake when the engine is switched off. This means that the driver does not have to apply the parking brake every time the engine stops.

However, the function can be temporarily deactivated before switching off the engine by pressing the **AUTO PARK** button **C**: the message “PARK OFF” is displayed on the left TFT display for 5 seconds. In this case, after the engine is switched off, the parking brake must be engaged manually by pulling the lever **B**. To re-enable automatic EPB engagement at the



next key-off, press the button **C** again; the message “PARK ON” is displayed on the left TFT display for 5 seconds.

“Automatic Vehicle Holding” AVH function

The electric parking brake provides optimised release when the vehicle starts up due to its Automatic Vehicle Holding function: once the engine has started, the system keeps the vehicle braked through intervention of the braking system rather than through the parking brake shoes.

Park Lock

The Park Lock is a locking device built into 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 gearbox operating.

The device operates automatically every time the key is turned to off: if a gear is engaged when the key is turned to off, the Park Lock is immediately activated. If the gearbox is in “N” (neutral), the Park Lock starts operating after a minimum preset time (needed for the Carwash procedure, see next paragraph). To inform the driver that the Park Lock has been engaged, the letter “P” is displayed on the gearbox display.

The Park Lock is deactivated when the engine is running, the first gear or “R” is requested (with the brake pedal pressed) and the engine compartment lid has been closed correctly.

Carwash procedure

The Park lock device can be electrically disabled on a temporary basis when the engine is switched off 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 device is electronically deactivated (Carwash procedure), the vehicle may move. The vehicle is only kept stationary by the parking brake which must be applied.

To perform the Carwash procedure, do the following:

- with the engine running, select the first gear;
- select neutral “N”;
- switch off the engine (ENGINE STOP);
- activate the instrument panel (KEY-ON) within 3 seconds of switching off the engine.

The message “Carwash mode activation” will appear on the left TFT display.

Launch Control

The “Launch Control” mode is a performance start function. Activating this function optimises vehicle acceleration from a standing start. The device transfers the necessary torque to the ground and avoids skidding of the wheels during acceleration.

The LAUNCH function is not available when the Manettino is set to WET or ICE mode.

To start the vehicle in “Launch Control” mode, do the following:

- Vehicle stationary
- the gearbox must be in “Manual” mode
- hold the brake pedal down and select first gear
- press the LAUNCH button **A** on the centre console: an acoustic signal informs the driver that the device has been switched on and the word “launch” appears on the gearbox display
- press the accelerator pedal and release the brake pedal

3



Warning



Only use the “Launch Control” function in appropriate traffic conditions and in optimum safety and road surface conditions.

Important note



The “Launch Control” function is not available when there is a sloping road surface, even slight.

Important note



The “Launch Control” function is not available when the clutch temperature is high.



Stop&Start system

The vehicle is equipped with a system, called Stop&Start, that automatically stops the engine when the vehicle is stationary and restarts it automatically when the driver wants to set off again.

The aim of the Stop&Start function is to increase vehicle efficiency by reducing CO₂ emissions especially when driving around town.

Automatic stopping and restarting of the engine is controlled by sensors and control strategies which, while reducing the impact on vehicle flexibility and comfort to a minimum, guarantee full operating of the safety systems and all the on-board systems even when the engine is switched off, without affecting climate comfort.

Warning



Never abandon the vehicle without switching off the instrument panel (KEY-OFF).

Never leave children unattended in the vehicle.

Warning



Make sure that the engine is switched off with the instrument panel deactivated before refuelling.

Warning



Always make sure that the Stop&Start system has been deactivated before carrying out any repair and/or maintenance work as indicated on the special labels in the engine compartment and underneath the vehicle.

Failure to comply with the above may pose a risk of serious injury to people working on the vehicle.

Warning



Drivers are responsible for leaving a vehicle with the key inside: drivers must always switch off the engine and instrument panel and take the key with them before getting out of the vehicle.

Warning



Leaving the vehicle with the instrument panel activated puts those who are in the vicinity of the vehicle at serious risk if the engine starts unexpectedly.

Warning



Always switch off the instrument panel and remove the key from the vehicle before changing the tyres.

System operating

If activated, the Stop&Start system decides when to switch off the engine and when to restart it according to the driving conditions, the climate comfort on board and the operating status of the vehicle. The system logic does not require drivers to make any change in the way they drive the vehicle.

Manual activation and deactivation button

The driver can activate/deactivate the Stop&Start system at any time by pressing button **A** on the roof panel. If the system is activated, pressing button **A** will deactivate it: the message “Stop&Start OFF” appears for 5 seconds on the left TFT display accompanied by a special symbol.

Once the system has been deactivated, pressing button **A** again reactivates the system: the message “Stop&Start ON” appears for 5 seconds on the left TFT display accompanied by a special symbol.

If the Stop&Start system is activated, the LED on button **A** goes off whereas if the system is deactivated, the LED comes on. Deactivation of the system by pressing button **A** while in a stopped vehicle condition (when the engine has been automatically switched off by the Stop&Start function) automatically restarts the engine.



3

Automatic engine stop mode

The engine stops automatically when the vehicle is stationary and the brake pedal is pressed and restarts when the brake pedal is released.

The left TFT display informs the driver that the Stop&Start system has been activated by displaying the message “Stop&Start active” accompanied by a special symbol. The message is displayed as long as the vehicle remains in a stop state. To interrupt the display cycle and reduce the message to an icon, press the **MODE** button with “ESCAPE” function.



Conditions required to activate automatic engine stop

To activate the automatic engine stop while driving:

- the Stop&Start system must be ON
- the driver's seat belt must be fastened

For safety reasons and to guarantee driving comfort and correct operating of the entire vehicle, automatic engine switching-off is deactivated when:

- the accelerator pedal is depressed;
- a potentially dangerous situation is identified (steep road, vehicle stationary with wheels turned, i.e. when turning at a crossroads or on a roundabout);
- the system recognises vehicle motion in slow traffic or a parking manoeuvre (checking reverse gear engagement, time elapsed since last stop, driving speed);
- maximum air conditioning and heating system performance is requested ("low", "max defrost" or "rear screen demisting");
- external temperatures are very low or very high;
- the gearbox is in the "N" position;
- the "LIFT" system has been activated (if present);

- the DCT gearbox Park Lock has been manually released;
- a failure interferes with proper system operating.

The system also constantly monitors some of the vehicle operating parameters (battery charge level, engine coolant temperature, catalytic converter temperature, clutch oil temperature, vacuum level in brake servo, climate comfort in passenger compartment) so that engine switching off can be deactivated in certain conditions to guarantee safety and vehicle operating and minimise the impact on on-board climate comfort.

Important note



After the first cold start, the Stop&Start system may take a few minutes before it is ready. This time period allows some of the engine parameters (catalytic converter temperature, for example) to reach the values required to reduce emissions.

Important note



After disconnecting the battery from the electrical system and reconnecting it, the Stop&Start system is not available the first time the engine is started. To reuse the system, the vehicle must be left parked for 6 hours once the battery has been reconnected. This period of time is needed to calibrate the battery sensor.

Important note



If the engine continues to run when the vehicle is stationary and the brake pedal is pressed, even if the Stop&Start system appears to be activated, it means that the system has disabled automatic switching off of the engine. When this happens, no specific signal is displayed on the instrument panel: this is to be considered normal.

Information on automatic restarting of engine

With the Stop&Start system activated in a stopped vehicle condition, the driver can restart the engine by:

- releasing the brake pedal
- UP-shifting
- engaging reverse gear
- pressing the accelerator pedal

Warning



If the engine is switched off accidentally and not by the Stop&Start system, it must be restarted manually by the driver by pressing the **ENGINE START** button and reengaging the gear using the shift paddles located behind the steering wheel. This condition is indicated on the left TFT display by the message “Press ENGINE START button to restart”, accompanied by an acoustic signal.

For safety reasons and to guarantee comfort when the vehicle is stationary and correct operating of the entire vehicle, the Stop&Start system also automatically restarts the engine when:

- the ENGINE START button on the steering wheel has been pressed
- the function has been deactivated by pressing the button located on the roof panel
- the driver's seat belt has been unfastened
- the driver-side door has been opened
- the “LIFT” system has been activated (if present)
- rear screen demisting has been requested or the air conditioning and heating system set to “low” or “max defrost”

The system also constantly monitors some of the vehicle operating parameters (battery charge level, engine coolant temperature, catalytic converter temperature, clutch oil temperature, vacuum level in brake

servo, climate comfort in passenger compartment, vehicle speed) so that the engine can be automatically started in certain conditions to guarantee safety and vehicle operating and minimise the impact on on-board climate comfort.



Permanent deactivation of automatic restarting and manual start procedures

After automatically switching off the engine using the Stop&Start system, automatic restarting requested by the driver may not always be possible: this means that the vehicle systems have permanently deactivated automatic restarting.

If this occurs, the vehicle must be restarted manually: this condition is indicated on the TFT display by the message “Press ENGINE START button to restart”, accompanied by an acoustic signal.

Warning



If automatic restarting is permanently disabled, the driver must perform a manual start by pressing the **ENGINE START** button and using the shift paddles located behind the steering wheel.

Permanent deactivation of automatic restarting occurs when:



- the engine compartment lid is open;
- automatic engine restarting has not been successful;
- a failure has been detected that may interfere with operating of the Stop&Start system.

At times, depending on the seriousness of the failure, the **ENGINE START** button may have to be held down for a few seconds to restart the engine: this condition is indicated on the left TFT display by the message “Press and hold ENGINE START button to start”.

System failure

If malfunctioning, the Stop&Start system is disabled. The driver is informed of the failure by a special symbol that appears on the left TFT display for 20 seconds accompanied by an acoustic signal and the following message which corresponds to two different alarm levels:

- “Stop&Start failure” (orange symbol)
- “Stop&Start failure. Go to dealer” (red symbol)

Important note



Contact the Ferrari Service Network immediately.

When the display cycle ends (20 seconds), or the **MODE** button with "ESCAPE" function is pressed, the message disappears and the symbol is reduced to an icon.

Precautions to be taken during maintenance work

Switch off the instrument panel before carrying out any repair and/or maintenance work on the vehicle. If work has to be carried out on the vehicle with the instrument panel activated, check that the Stop&Start has been deactivated before doing any repair and/or maintenance work. Check that the message “Stop&Start OFF” appears on the left TFT display for 5 seconds. The button LED must be ON.

Warning



NEVER work on the vehicle if the message “Stop&Start active” appears on the left TFT display.

Seat adjustment

Warning



As with all adjustment, seat adjustment must be performed when the vehicle is stationary.

Warning



Never place your hands under the seat or near its moving parts when adjusting. If you do so, movement of the seat may cause injury to hands or fingers.

Correct adjustment is very important for enhanced driving comfort and maximum efficiency of the passive safety systems.

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

Three adjustments are possible using control **D**:

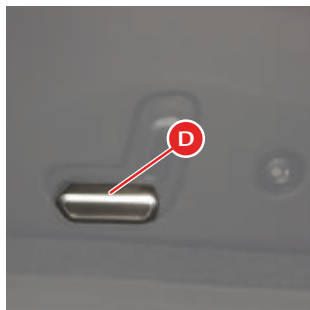
- backward/forward adjustment
- height adjustment
- seat inclination (tilting)

Warning



Forward/backward adjustment must take into account the fact that airbag devices are placed in front of the driver and the passenger.

Correct adjustment ensures there is adequate space between the airbag and the driver/passenger.



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.



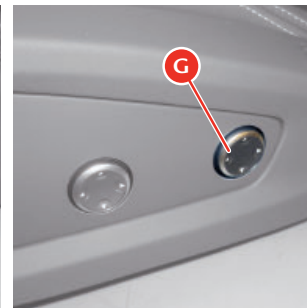
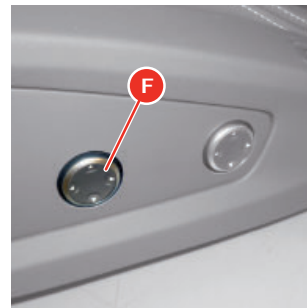
Lumbar support adjustment (optional)

Use control **F** to adjust the seat backrest lumbar support. Push the horizontal arrows on the control left or right to increase or decrease lower lumbar support. Push the vertical arrows on the control up or down to increase or decrease upper lumbar support.

Backrest and cushion side width adjustment (optional)

Use control **G** to pneumatically adjust the width of the backrest and seat cushion sides. Push the horizontal arrows on the control left or right to increase or decrease the width of the seat cushion sides.

Push the vertical arrows on the control up or down to increase or decrease the width of the backrest sides.



Memorising the driver's seat position

When a door is open and the instrument panel is switched off, the seat can be moved for a limited period (approx. 15 sec.). Each time a door is opened or both doors are closed and the key is set to OFF, the seat can be moved again for a limited period.

The seat position can only be memorised when the instrument panel is activated by pressing one of the buttons **M1**, **M2** or **M3 (H)** on the driver-side door panel, each one corresponding to a memorisable position. Pressing one of these buttons for longer than 3 seconds memorises



the position of the driver seat, rear-view mirrors and steering wheel (confirmed by emission of a double tone).

To recall the memorised position, press one of the buttons **H** and release it within 3 seconds. Operation begins as soon as the button is released.

Recalling the memorised 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 do not stop moving and reach the memorised position.

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 manoeuvres. If the personalised reverse gear position is never set, when the reverse gear is engaged, the passenger external rear-view mirror will in any case move slightly downwards and inwards (compared with the driving position).

This position can be memorised along with all the other memorisable positions.



Seat heating system

Press button **N** to activate the seat heating function.

When this function is activated on one or both seats, a message appears on the left TFT display and on the infotainment system screen for 5 seconds. Using button **N** or the virtual keys on the COMFORT screen, the driver can adjust the heating and choose from 3 levels.

Seat ventilation system (optional)

The seat ventilation system is activated from the COMFORT screen on the infotainment system.

When this function is activated on one or both seats, a message appears on the left TFT display and on the infotainment system screen for 5 seconds. Using the virtual keys on the COMFORT screen, the driver can adjust the ventilation and choose from 3 levels.

Tilting the backrest

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

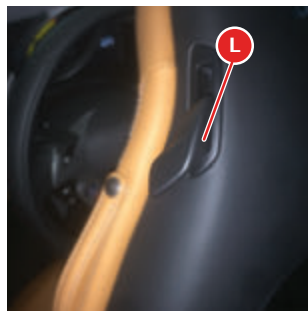
When the backrest goes back into position, it will automatically block once it has reached the correct position.

To facilitate access to the rear seats or exiting the vehicle, the front seats are equipped with a “rear seat Easy Entry” device (only operative when doors are open or vehicle is stationary): when the backrest is tilted forwards, the front seat is lowered and automatically slides forward to the end of its travel. When the backrest is raised, the seat moves back into position.

Warning



Do not use the electric seat adjustment controls when the backrest is tilted.



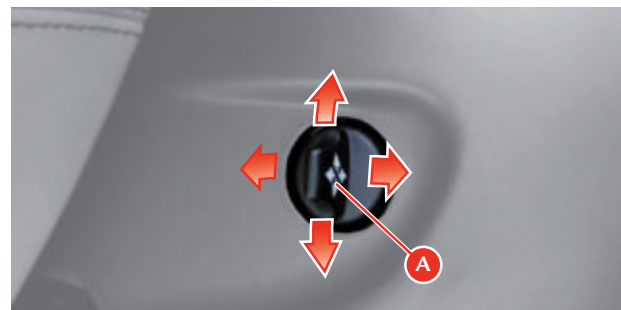
Adjusting the steering wheel

Mechanically adjusting the steering wheel

- Unlock lever **X** by pushing it forward
- Adjust the position of the steering wheel
- Lock the steering wheel by pulling lever **X** until it locks into place.



Electrically adjusting the steering wheel (optional)



The steering wheel can be electrically adjusted for rake and reach. It can only be adjusted if the instrument panel is activated (KEY-ON).

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

The steering wheel position is memorised, together with the position of the external rear-view mirrors, when the seat position is stored.

Warning



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

Rear-view mirrors

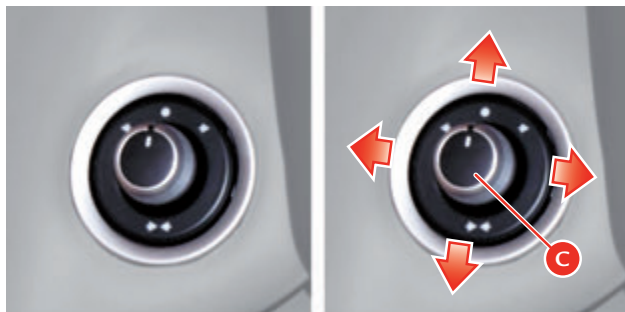
Internal rear-view mirror

Hold the internal rear-view mirror and move it to the required position.

The internal rear-view mirror is fitted with an electrochromic mirror that automatically darkens to reduce the dazzling effect of the reflected light on the driver. The speed with which the mirror darkens depends on the intensity of the light.



By pressing button **B** you can activate/deactivate the electrochromic mode. When the electrochromic mode is activated, the green LED **D** comes on.



External rear-view mirrors

These mirrors can be electrically adjusted using the control **C** (with the instrument panel activated, KEY-ON) and are equipped with defogging elements.

1. Mirror selection: turn control **C** to the left or right lock position to select the mirror that requires adjusting.
2. Mirror positioning: move control **C** in the four directions (up – down – right – left) to adjust the selected mirror.
3. Mirror closing: turn control **C** to the lower central lock position to close the rear-view mirrors.

Once adjusted, move control **C** into the upper central position where it will be locked in order to avoid changing the external mirror setting inadvertently.

The mirrors will yield in both directions in the event of a collision: if necessary, the mirrors can be pushed both backwards and forwards.

Every time the seat (see page 138) position is memorised, the external rear-view mirror position is also stored automatically, both for the normal direction of travel and for reversing.

To memorise a new position of the external rear-view mirrors, activate the instrument panel (KEY-ON) and adjust the position of the mirrors; then engage reverse and reposition the external mirrors to ensure the best possible visibility to perform the manoeuvre, then disengage reverse gear.

Finally, press one of the **H** buttons (M1, M2 or M3, on the driver-side door panel), each one corresponding to a memorisable position, until a double tone confirms that the procedure is complete.

The new position of the external rear-view mirrors will be automatically memorised together with the seat position.

In addition, the mirror positions can be adjusted for both the normal direction of travel and for reversing.

Warning



The rear-view mirrors must always be positioned correctly while driving.

Do not adjust the rear-view mirrors when the vehicle is moving.

The external rear-view mirrors are fitted with an electrochromic mirror.



Air conditioning and heating system

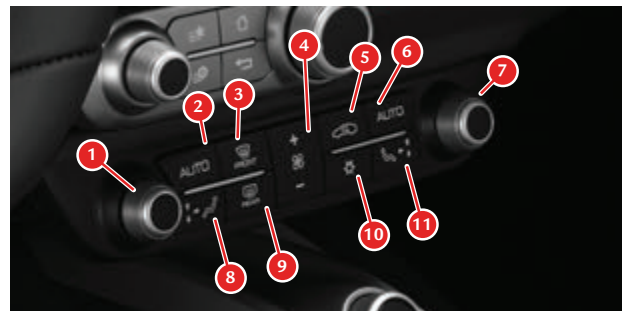
Operating modes

Automatic

This mode automatically adjusts the air distribution, temperature and ventilation levels according to the temperature set by the user.

Manual

This mode allows the user to set the values to suit the passengers' needs.



Controls

- 1 Left-hand side temperature setting.
- 2 Activation of AUTO mode for left-hand side
- 3 Windscreen demist activation/deactivation
- 4 Air distribution fan speed
- 5 Air recirculation
- 6 Activation of AUTO mode for right-hand side
- 7 Right-hand temperature setting
- 8 Left-hand air distribution mode setting
- 9 Rear window demist activation/deactivation
- 10 Windscreen washer
- 11 Windscreen defrost

If deactivated, the air flow comes from the outside. When outside temperatures exceed 32 °C, the air recirculation feature remains on with a 60-second pause every twenty minutes to refresh the air. If you activate the windscreen washer function, the air recirculation feature activates for 20 seconds, to prevent any smell of detergent products from entering the passenger compartment. If activated, the air flow comes from inside the passenger compartment. The recirculation increases air heating or cooling.



10 A.C. compressor activation/deactivation

11 Right-hand air distribution mode setting.

Maintenance

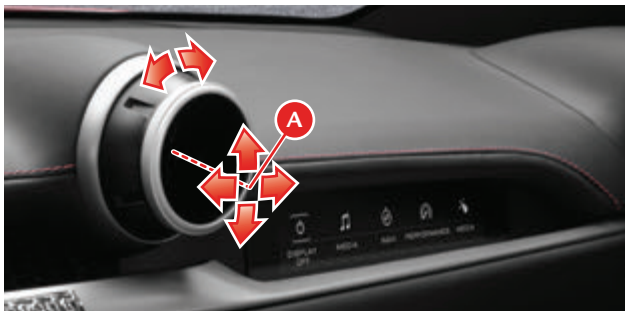
The pollen filter must be replaced every year, as indicated in the “Maintenance Schedule”.

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.

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



Adjusting the air vents

The adjustable air vents are positioned on the sides and in the central section of the dashboard.

Use control **A** to adjust the air flow direction and rate.

Turned clockwise: open.

Turned counterclockwise: closed.

Important note



We recommend keeping the air flow set to open and directing the air flow to a neutral position.

Placing luggage in the luggage compartment

The luggage compartment secures any luggage in the luggage compartment and prevents 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 items on the partition: this is to avoid the risk of seriously damaging the opening and closing mechanisms.



Warning

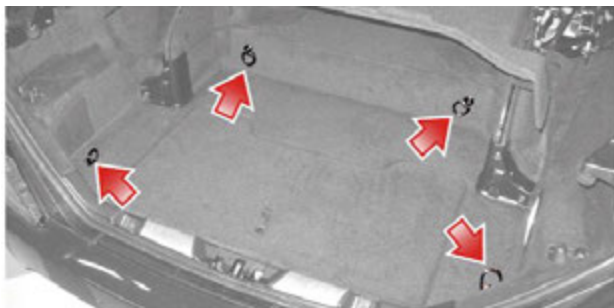


Do not place any items on or next to the partition between the luggage compartment and the folded hard top compartment when the hard top is closed. Do not stack luggage higher than the closed partition.

Important note



If possible, use the eyebolts to fasten the luggage with clamps or a rope.



Flaps communicating with luggage compartment

To open the flaps between the passenger compartment and the luggage compartment, press the release button **H** in the luggage compartment and then open them by lowering them towards the front of the vehicle.



3

Passenger compartment accessories

Glove compartment

This is located on the passenger side of the dashboard. To open it, pull the special lever: the glove compartment will move down slowly by way of a damped opening mechanism.

The glove compartment is illuminated by an internal light that comes on automatically when it 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.

Sun visors

The sun visors can be moved by pulling them down towards the windscreen and sideways by unhooking them from the fastener and turning them towards the door glass.



There is a mirror on the back of the sun visor.



Oddment storage compartments

There are several oddment storage compartments in the passenger compartment located on the lower part of the doors, on the centre console - under the front and rear arms - and on the back of the front seat backrests.

12V power sockets

The vehicle has a 12V power socket in the passenger compartment located in the pocket change tray under the front armrest.

The socket can be used to power small electrical appliances including: mobile phones, lights, vacuum cleaner and any other accessory with absorption not exceeding 140 Watts and a voltage of no more than 12 Volts.

Warning



Prolonged use of this device may discharge the battery.

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

Warning



Use the power socket to connect the tyre repair and inflation kit in an emergency **ONLY** for the amount of time strictly necessary.



Fire extinguisher (optional)

The vehicle can be equipped on request with a fire extinguisher mounted on special fastening brackets on the passenger side door sill.

Powder filled, with 2 kg capacity (effective discharge time 8 seconds); it does not contain chlorofluorocarbons.

Periodically check the gauge to make sure the pressure is correct and the extinguisher is fully charged.

The extinguisher must be kept mounted on the fastening brackets. If not used, we recommend removing the whole unit to increase space in the passenger footwell area taken up by the fastening brackets.

Important note



To use the extinguisher, follow the instructions written on it.



Retractable hard top (RHT)

The hard top system consists of three main moving parts:

- front roof shell
- rear roof shell
- tonneau cover

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

Warning



The retractable hard top (RHT) can be opened and closed when the vehicle is moving. The maximum recommended speed for doing this is 30 km/h (9 mph). If the maximum speed is exceeded, opening/closed is stopped.

The ECU records and stores the data regarding incorrect opening and closing (including vehicle speed when the anomaly occurred).

If the maximum speed is exceeded, the ECU stops the RHT from being opened or closed. If this is the case, slow down and press the control button again to continue opening or closing the RHT.

When opening or closing the retractable hard top (RHT) when driving, pay attention to the traffic conditions to avoid accidents. Do not accelerate or brake suddenly when opening or closing the hard top.

Warning



Do not open or close the retractable hard top (RHT) when reversing since rear visibility is reduced. Do not open or close the retractable hard top (RHT) when driving on bumpy roads. Avoid opening or closing the retractable hard top when there is a strong wind. Only open or close the

retractable hard top (RHT) when driving on a straight stretch of road. Avoid sharp steering.

Warning



Loose items in the luggage compartment may move when the hard top is being opened or closed and interfere with the mechanisms, affecting its operating or damaging it. We recommend using the luggage net provided.

Important note



Before opening or closing the hard top, refer to the paragraph “Placing luggage in the luggage compartment” (see page 144).

Warning



The hard top must be opened or closed while 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 its moving parts. 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 restraint system is set to its minimum height and that no one is seated on the rear seats.



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

- luggage compartment closed
- battery voltage not less than 11 volts
- the partition between the luggage compartment and the folded roof compartment must be in the correct position, fully pushed back and fastened

Warning



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

- check there is adequate space heightwise and in the rear of the vehicle: the minimum available height **Y** must be 1700 mm, the minimum distance of an obstacle from the rear **X** must be more than 400 mm.
- instrument panel activated (KEY-ON)

Important note



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

Important note



If the parking sensors detect a rear obstacle that is at a distance of less than 400 mm, the system deactivates opening and closing of the retractable hard top.

- the hydraulic system must not be overheated.

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



Roof opening using the switch

Important note



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

Pull back switch **A** on the centre console and hold down until the roof 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 screen is raised
- the tonneau cover rotates around a hinge fitted in its rear part
- the rear screen and luggage compartment lid parts are positioned in the luggage compartment
- the tonneau cover is closed.

Important note



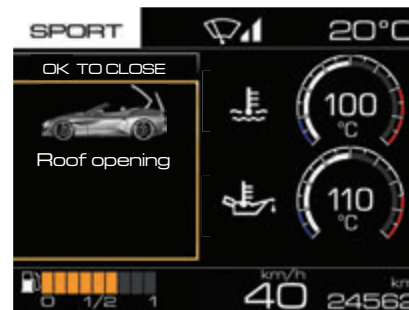
Throughout all these phases, the side windows cannot be activated.

At the end of the opening cycle, an acoustic signal will indicate the end of the operations and the relative phase will be indicated with a message on the TFT display.

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.



3



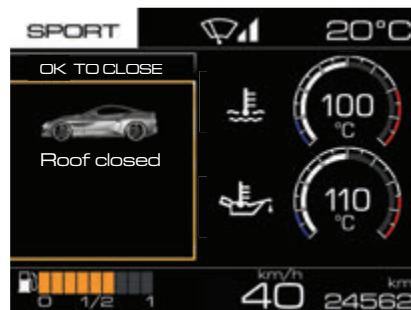
Roof closing using the switch

Push switch **A** on the centre console forward and hold it until the roof 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 tonneau cover lifts and rotates backwards
- the front roof shell element comes out of the luggage compartment and rests on the edge of the windscreen bay
- the tonneau cover completes the closing phase
- the rear roof shell element starts moving back and goes into position.

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



Operation on stand-by

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

Warning



Avoid interrupting the opening and closing of the retractable hard top. If the procedure has to be interrupted, you must avoid leaving the hard top in a stand-by position for more than 4 minutes.

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



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:

- the luggage compartment has not been closed correctly
- the battery voltage is below 11 volts
- **the partition between the luggage compartment and the folded roof compartment must be in the correct position, fully pushed back and fastened**
- the hydraulic system is overheating
- 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

Warning



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

Warning of faulty opening and closing

If there is a problem with opening and closing the roof, the fault will be indicated by an acoustic signal and a message "Hard top failure" on the TFT Display on the instrument panel.

Warning



If there is a fault in the retractable hard top system, contact the **FERRARI SERVICE NETWORK**.



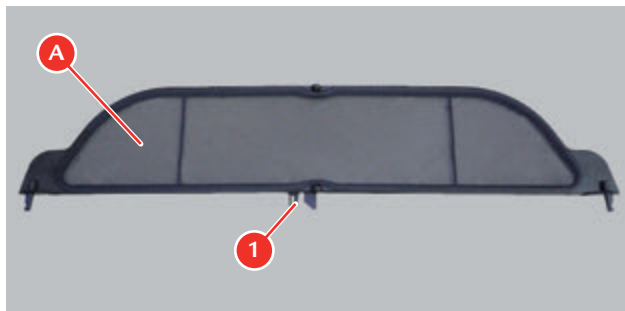
Wind deflector

The wind deflector can be used while driving with the retractable hard top open. It reduces 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.

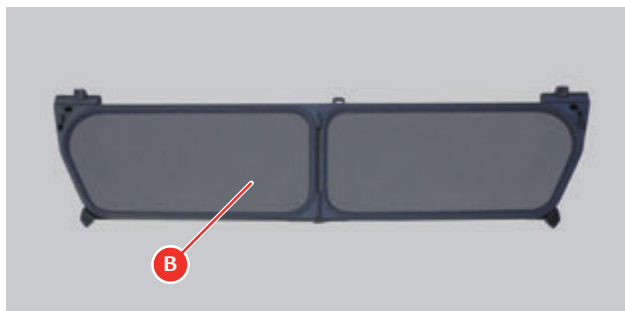
Fitting

The deflector is divided into two parts: **A** and **B**.

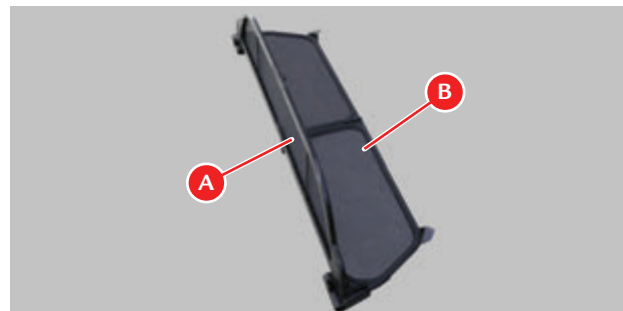
- Take part **A** and open it as shown in the figure



- Take part **B** and open it as shown in the figure



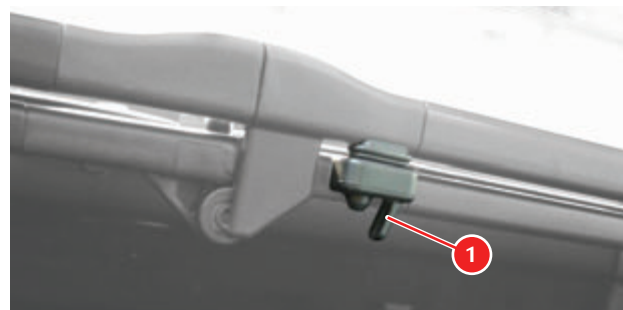
- Fit part **A** onto part **B** as shown in the figure.



Important note



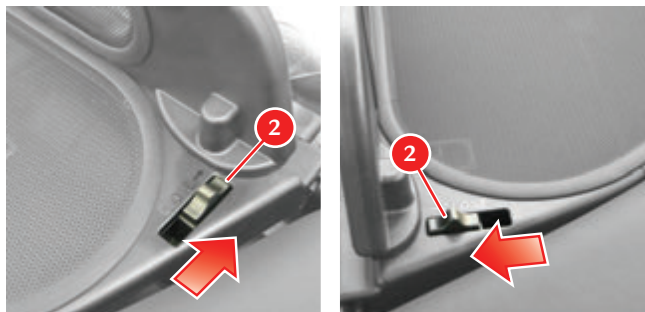
Make sure that the hook **1** has been correctly inserted.



Important note



Lock the fastenings **2** on the right and left of the deflector **B**.



- Push the pin **2** until it snaps into place.



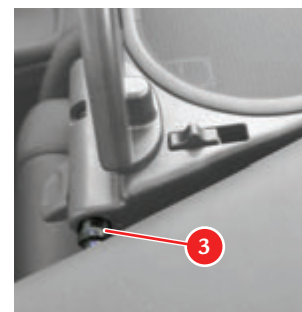
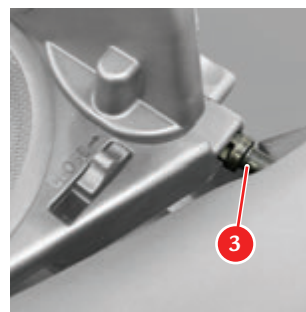
- Place the deflector with its supports **4** fitted in the special slots on the left and right of the vehicle and pin **3** in the special hole on the right-hand side of the vehicle.

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.



3

Warning



When the deflector is fitted, if you have to move the seat back up to the end of travel, do not tilt the front seats too far back to avoid damaging the deflector.



Warning



Check that the deflector has been secured correctly!



3

Tool kit	158
Emergency start/stop	158
Replacing the front and rear light bulbs	160
Replacing number plate light bulbs	160
Replacing a fuse	160
Location of the fuse and relay boxes	161
Fuses and relays in battery compartment	162
Body Computer fuses and relays	164
Fuses and relays in passenger compartment on passenger side	165
Fuses and relays in luggage compartment	168
Replacing a wheel	170
Towing	171
Fuel inertia switch	172
Battery	172
Exhaust system overheating alarm devices ("Slow Down" function)	175

Clutch overheat alarm devices	176
Engine malfunction alarm devices	177
Replacing the brake pads and discs	177
Emergency release of the electric parking brake (EPB) .	177
Park Lock emergency release	177
Manual emergency closing of the retractable hard top (RHT)	179



4



ADVICE FOR EMERGENCY SITUATIONS



Tool kit

Tool kit

Stored in the luggage compartment, it contains the necessary tools for emergency repair jobs:

- pair of cotton gloves;
- set of fuses;
- tow hook;
- funnel for emergency fuelling;
- screwdriver for slotted and crosshead screws;
- Park Lock/RHT emergency release tool
- emergency tyre repair and inflation kit.

Warning



Repair work using the toolkit requires:

- suitable protective equipment (e.g. gloves)
- adequate precautions to be taken (e.g. during tyre replacement never lie under a vehicle raised by a jack)
- minimum specific expertise when working in contact with electrical parts/components (e.g. battery).



Warning



The Park Lock emergency release tool may only be used by specialised workshop technicians, as indicated on the label on the tool kit.

Emergency start/stop

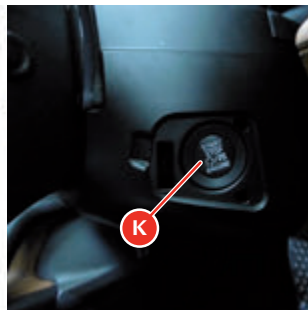
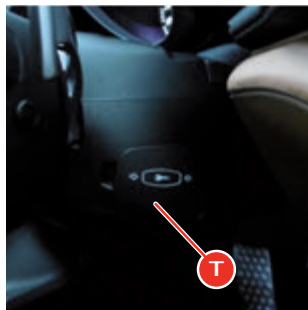
The new FERRARI keys use a Key-Less vehicle ignition system which can switch on the instrument panel and then the engine by simply placing the key inside the passenger compartment. The dedicated ECU recognises the vehicle key by the electronic ID code it contains. The ENGINE START/STOP key on the steering wheel controls KEY-ON, KEY-OFF, ENGINE START and ENGINE STOP.

If the engine has to be switched off in an emergency situation, press the ENGINE START/STOP button and hold it down for at least 2 seconds (alternatively, press the button quickly 3 times in succession). Only use this function in the event of an emergency.



If the key battery is completely flat, there is a button **K** for emergency switching on and off of the engine located under the cosmetic shield **T** on the right-hand side of the steering column.

For emergency switching on, put the key next to button **K** making sure that the rear part of the key and the button are in contact. While holding the key in a perfectly vertical position above button **K** with one hand, perform the normal engine ignition procedure. Only use this function in the event of an emergency.



Important note



The engine cannot be started by pressing button **K**.

For emergency switching off when the vehicle is stationary, press button **K** once. Only use this function in the event of an emergency.

Important note



If the vehicle is in motion and the engine has to be switched off, press the ENGINE START/STOP button and hold it down for at least 2 seconds. Alternatively, press the ENGINE START/STOP button quickly 3 times in succession.

ONLY USE THIS PROCEDURE IN THE EVENT OF AN EMERGENCY!

If the ENGINE START/STOP button is faulty, the engine can be switched off by pressing and holding down button **K** for at least 2 seconds. Alternatively, press button **K** quickly 3 times in succession.



Replacing the front and rear light bulbs

Important note



To replace the front and rear light bulbs, contact the Ferrari Service Network.

To adjust the headlight beam, please contact the Ferrari Service Network.

Replacing number plate light bulbs

Important note



To replace the LED number plate light bulbs, contact the Ferrari Service Network.

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 the FERRARI SERVICE NETWORK.

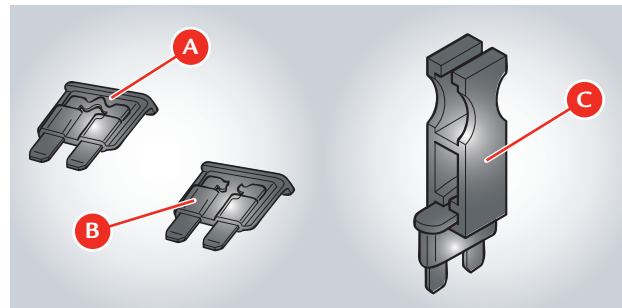
Important note



When replacing a fuse, always use fuses of the same amperage (same colour).

The tool bag contains spare fuses.

To remove the fuses, use the pliers **C** in the tool bag.



Fuse colours

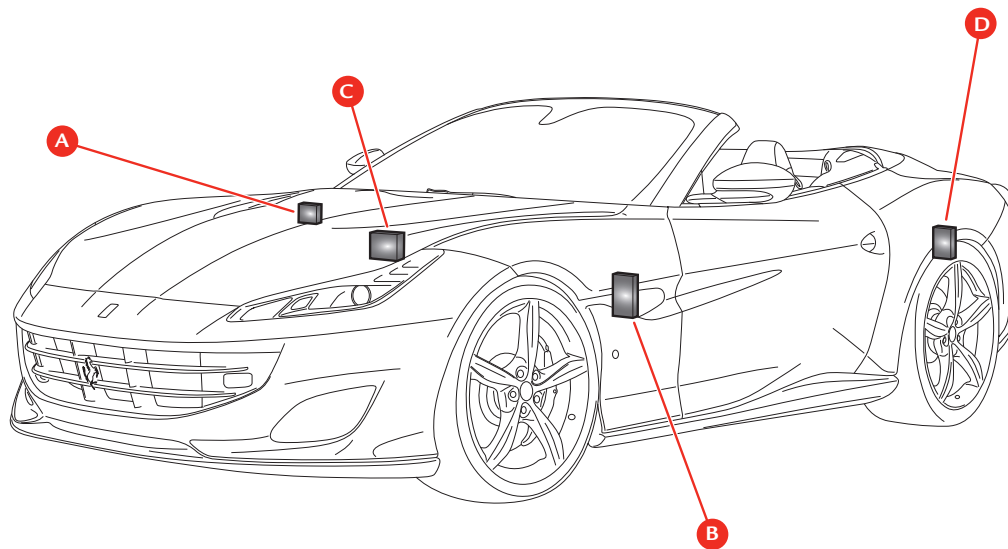
- Yellow ochre - 5 A
- Brown - 7.5 A
- Red - 10 A
- Blue - 15 A
- Yellow - 20 A
- White - 25 A
- Green - 30 A

Colours of Maxi fuses

- Yellow - 20 A
- Green - 30 A
- Red - 50 A
- Dark blue - 60 A

Location of the fuse and relay boxes

- A-** Fuses and relays in battery compartment
- B-** Body Computer fuses and relays
- C-** Fuses and relays in passenger compartment on passenger side
- D-** Fuses and relays in luggage compartment





Fuses and relays in battery compartment

To access these fuses:

- open the engine compartment lid and remove the cosmetic shield on the right-hand side of the engine compartment by unscrewing the screws on the top side of the shield.
- remove the cover of box **A** located above the positive terminal.

Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.





Box **A** contains these fuses:

List of fuses and relays in battery compartment

Ref.	Amp.	Use
CAL5	CAL5	Power supply (starter motor and alternator)
F-70	150	Engine relay and fuse ECU power supply (FRB)
F-72	80	EPS
F73	70	Body Computer power (NBC)



Body Computer fuses and relays

To access these fuses:

- remove the panel **1** on the lower part of the dashboard, on the left of the steering wheel (on the right of the steering wheel if the vehicle is right-hand drive)

Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.



Box **B** contains these fuses:

List of fuses and relay in body computer compartment

Ref.	Amp.	Use
F-34	25	X991 (pin 12)
F-36	20	'86 on light, T03 (buttons), AC, EOBD, siren, 30 on T20 in RB (seat relays)

Ref.	Amp.	Use
F-37	10	Instrument Panel Node (NQS), VICS, Suspension Control Node (NCS)
F-38	20	Door locking relay contact output (relay T37-a), pos. command Driver (relay T37-c) /pass.(relay T37-b) door unlock motor, trunk unlock (relay T37-d)
F-42	7.5	Headlights, power steering, Adaptive Headlight Node (NFA)
F-43	20	Windscreen washer pump (relay T23-a), luggage comp. striker plate power supply
F-47	25	Positive command motor for up (relay T25-a) / down (relay T25-b) movement of window, driver side
F-48	25	Positive command motor for up (relay T26-a) / down (relay T26-b) movement of window, passenger side
F-49	7.5	NDC, parking camera, twilight sensor, internal mirror, driver seat, parking sensor node (NSP), 86 on T17 in FRB (heated rear window), VICS, T06 relay in RB (power socket)
F-50	7.5	Airbag node

Ref.	Amp.	Use
F-51	7.5	AC, electronically controlled gearbox node (NCR), passenger display, satellite alarm system (ATS), MMI AC controls
F-53	7.5	TFT control, +30 CLE

Fuses and relays in passenger compartment on passenger side

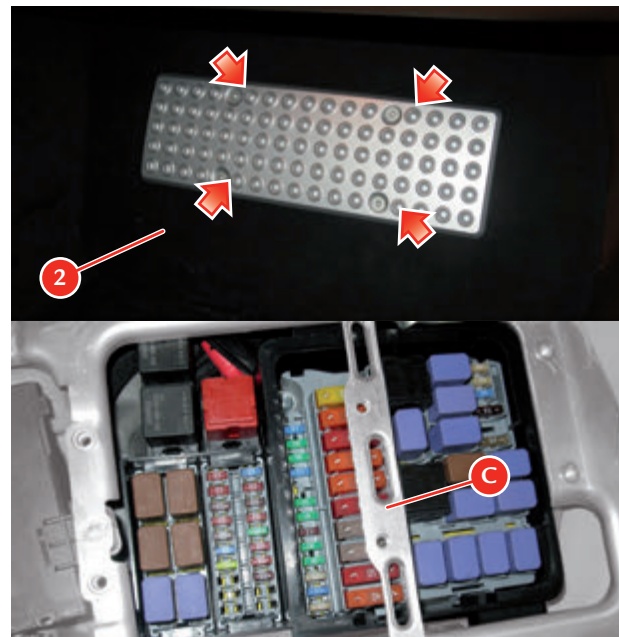
To access these fuses:

- remove the passenger footrest **2** by unscrewing the screws shown in the figure.

Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.



4



Box **C** contains these fuses:

Fuses and relays in passenger compartment on passenger side

Ref.	Amp.	Use
F-01	40	+30 electric radiator fan 2 RH
F-02	40	+30 ESP9 PUMP, DC-DC CONVERTER (KL30_1)
F-03	30	+30 Starter relay R2 (L220)
F-04	40	+30 ESP9 (HYDRAULIC)
F-05	40	+30 Air conditioning Node
F-06	40	+30 electric radiator fan 1 LH
F-08	40	+30 Bus-Bar_1 on FB
F-09	20	+30 horns (30 on T02)

Ref.	Amp.	Use
F-10	30	+30 Bus-Bar_2 on FB (via DC-DC CONVERTER KL30_2 for S&S)
F-11	25	Oxygen sensor power supply + F108 power supply in FB
F-14	7.5	+30 Front headlight relay
F-15	70	+30 NBC E044-LA pin B
F-17	25	+30 power supply for air flow meter+Motronic (pin K3-K5-K6) + F121 power supply in FB
F-18	7.5	+30 Motronic (pin K88) + 86 on T09
F-19	7.5	start button
F-21	7.5	+30 third stop light
F-22	15	Ignition coil power supply
F-23	10	+30 NPE, key KIN
F-30	20	+30 power socket (30 on T06)
F-81	50	+30 Fuel pump ESD ECU
F-82	40	+30 NAP (power)
F-83	40	+30 NAG (power)
F-84	30	+30 Suspension Control Node
F-88	10	+15 Motronic & Converter
F-89	30	heated rear window



Ref.	Amp.	Use
F-91	10	ATS, clock spring, passenger DISPLAY, DVD, dome light
F-95	10	Instrument Panel Node (NQS)
F-100	15	USB Splitter, NDC, NIT controls, main display, ERA GLONASS
F-103	10	passenger seat heating
F-104	10	driver seat heating
F-105	7.5	NAG+NAP (electronic)
F-106	7.5	BUTTON LIGHTING, +30 VICS
F-108	15	oxygen sensors
F-109	7.5	AC COMPRESSOR
F-110	25	NIT
F-121	7.5	ION
F-123	7.5	Converter
T02	30	Horns
T03	30	Passenger compartment control lighting relay
T06	30	Power socket
T08	30	Air conditioning and heating system compressor relay
T09	30	Injection system main relay
T17	30	Heated rear window & nozzle relay

Ref.	Amp.	Use
T20	30	Seat power supply (pin H)
T89	30	NPE



Fuses and relays in luggage compartment

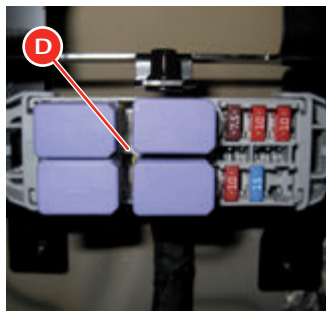
To access these fuses:

- to access these fuses, remove the cosmetic shield on the right hand side of the luggage compartment.

Important note



Only open the boxes containing the fuses that need to be checked to avoid damaging other components.



Box **D** contains these fuses:



List of fuses and relays in luggage compartment

Ref.	Amp.	Use
F-54	40	Power supply BUS-BAR_A on CVB2
F-55	40	+30 hard top pump
F-56	40	Power supply BUS-BAR_B on CVB2
F-57	40	+30 12 channel amplifier
F-62	7.5	DCT
F-63	20	DCT
F-64	10	Luggage compartment lid lock
F-65	20	Hard top
F-66	15	Battery conditioner
F-78	7.5	NTP
F-80	10	NSP
T23	30	Luggage compartment lid lock
T25	30	DCT



Replacing a wheel

Important note



If one or more wheels need to be replaced, proceed as follows:

- replace the wheel stud bolts with damaged threads or tapers
- carefully clean the wheel stud bolts before fitting
- do not lubricate the contact surfaces between the stud 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.

collapsible spare wheel (in the countries where available)

On request, the vehicle comes with a kit containing:

- collapsible spare wheel **A** with space-saving tyre; label **B** indicates the maximum speed allowed of 80 km/h.
- additional tool bag **C** containing the jack for raising the vehicle and the socket wrenches for operating the jack and tightening the wheel stud bolts.

Warning

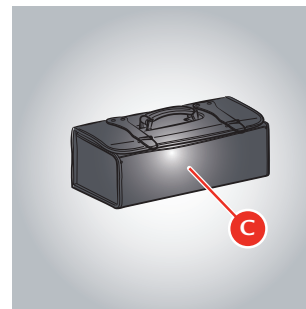
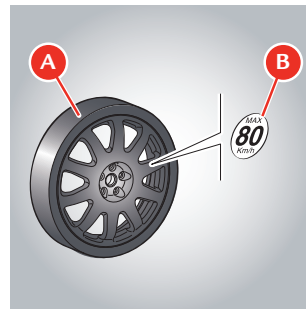


The spare wheel must only be used for short trips in the event of an emergency. When the spare wheel is fitted, never exceed the maximum speed of 80 km/h and drive carefully, especially around bends and when overtaking, avoiding sudden acceleration or braking. Do not exceed the approved weight limits. 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

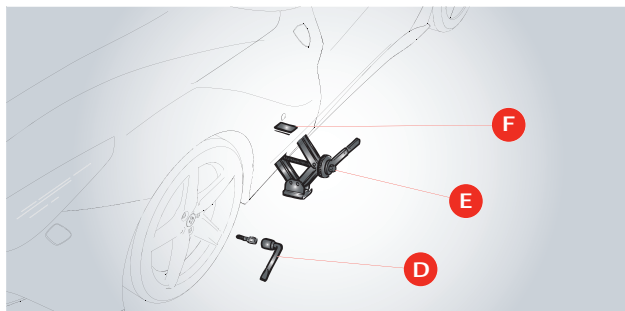
- Position the vehicle on an even surface, then block the rear wheels by applying the parking brake.

Warning



Make sure that the vehicle is in a safe position by applying the parking brake.

- If necessary, switch 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 stud bolts approximately one turn each using wrench **D** supplied.
- 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.
- Raise the vehicle carefully using jack **E** until the wheel is off the ground.

Warning



If the jack is not positioned correctly, the vehicle could slip off. Make sure that no part of the body is underneath the vehicle while changing the wheel. The supplied jack must only be used for changing wheels.

- Unscrew the five stud bolts and remove the wheel.
- Fit the uninflated collapsible spare wheel.
- Screw the stud bolts into place but do not tighten them.

Important note



Inflate the collapsible spare wheel before lowering the vehicle to avoid damaging the rims.

- Inflate the collapsible spare wheel using the inflation kit.

Important note



The kit must be used in “tyre inflation” mode. Refer to the instruction manual supplied with the kit.

- Inflate the spare wheel to the indicated pressure.
- Lower the vehicle and remove the jack.
- Tighten the stud bolts, alternately going from one stud bolt to one that is diametrically opposite.

As soon as possible, tighten the stud bolts with the torque wrench to a torque of 100 Nm.

Towing

When towing the vehicle, avoid using anchor points that are not designed for the tow hook inserted in housing **B**.

Proceed as follows:

- Take the tow hook out of the tool kit;
- Remove the cap **B**;
- Tighten the tow hook into the correct housing;
- 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 by attaching to levers, suspension and wheel rims but only to the tow hook properly fitted in place.

Keep the instrument panel activated to enable the lights to work; when towing the vehicle, do not start the engine.

Important note



Remember that when the engine is switched off, the power steering and brake servo functions do not work.



Fuel inertia switch

The fuel inertia switch is a safety device which deactivates the fuel pump relays if a collision occurs.

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

When the fuel inertia switch is activated, the doors are also unlocked (if locked) and the central dome light comes on.

Warning



The fuel pump relays can be reactivated by pressing button A on the floor in front of the driver's seat.



Battery

The battery is located on the right-hand side of the engine compartment: to access it, remove the cosmetic shield by unscrewing the screws on the top of the shield.

Checking the battery

Warning



The battery does not need topping up with distilled water or sulphuric acid.

Warning



The battery must only be removed from the vehicle by the Ferrari Service Network. Removal of or damage to the battery affect the vehicle software ECUs and may result in error codes, data loss or inaccurate data.



Warning



Do not place the battery near sources of heat, sparks or naked flames.

The vehicle is equipped with a sealed lead acid battery that does not require maintenance.

- Periodically check that the terminals and pins 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.

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 2-3 centimetres to avoid damaging the 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 and the windows are fully up, only open the doors when strictly necessary and take great care; do not close them again until the windows can be lowered.

Important note



We recommend using the battery conditioner if the vehicle is going to left unused for a long period.



To cut off the power supply from the battery to the electrical system, use the quick release C on the left side of the battery. Use the locking lever to loosen the terminal.



Detach the terminal from the battery: the power supply from the battery to the electrical system is cut off.

Warning



The battery quick release must only be used if the battery conditioner cannot be connected.

Warning



Place the terminal so that it does not come into contact with the battery terminal or other metal parts of the vehicle.

Reconnecting the battery

Place the clamp on the battery and fasten it by closing the locking lever. Each time the battery is reconnected, do the following before starting the engine:

- 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 to the “target position” when the doors are opened.

Warning



Before starting the engine, wait at least 60 seconds after activating the instrument panel to allow the electronic system that controls the motor-driven valves and the AC ECU to run a self-acquisition process. During this period, no devices must be activated.

The Motronic ECU self-acquisition cycle will only function correctly when the intake air temperature is above 5 °C.

After removing the battery from the vehicle or disconnecting it from the electrical system using the battery master switch, it is important to check that the external temperature is within the indicated values when reconnecting before performing the self-acquisition cycle.

Emergency starting

If the battery is flat, you can perform an emergency start by connecting the special jump leads to the battery of another vehicle, a portable jump starter or an external battery.

Important note



Emergency starting can only be performed with batteries with a nominal voltage of 12 V.

Important note



For emergency starting, only use leads that do not allow reverse polarity, with sufficient cross-section and insulated clamps.



To perform an emergency start, do the following:

- Apply the parking brake;
- Deactivate all the electrical devices;
- Remove the cosmetic shield on the right-hand side of the engine compartment by unscrewing the two screws shown in the figure;
- Remove the cover **A** of the fuse box located above the positive terminal;
- If emergency starting is performed using the battery of another vehicle, let the engine on the other vehicle idle;
- Using the jump leads, connect the positive terminal of the battery to the positive terminal of the portable jump starter or external battery going from the battery on your own vehicle;
- Connect the negative terminal of the portable jump starter or external battery to an earthing point on your vehicle using the jump lead going from the external battery;

- Start the engine;
- Disconnect the jump lead from the earthing point and then from the positive terminal of the battery on your vehicle.

Warning



After emergency starting, go to the nearest Ferrari Service Network immediately to get the battery checked.

Exhaust system overheating alarm devices (“Slow Down” function)

If the engine is running unevenly resulting in exhaust system overheating, the “Slow Down” function is activated: a special symbol appears on the left TFT display accompanied by a message.

The message varies according to three alarm levels:

- **Temperature high:** “Catalysts temperature high. Slow down”.
- **Temperature too high:** “Catalysts temp. too high. Engine performance limited”.
- **Catalytic converter temperature system failure:** “Catalysts temperature not plausible. Go to dealer slowly”.

Displaying of the message is controlled by the thermistor via the engine control ECU.

Warning



Incorrect use of the vehicle may cause the “Slow Down” function to be activated.



Warning



If the temperature is high:

slow down immediately so that the exhaust system temperature decreases.

Warning



If the temperature is too high:

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 Ferrari Service Network to have the engine parameters checked.

Warning



If the EOBD warning light comes on at the same time as the “Slow Down” message, go to the Ferrari Service Network to have the ECU error memory checked. Do not proceed in any other way.

Clutch overheat alarm devices

Extremely high performance use of the vehicle at high engine speeds for prolonged periods and at high ambient temperatures may cause the DCT gearbox clutches to overheat. In this case, the following safety warnings will be displayed on the left TFT display, corresponding to two different alarm levels:

- “Clutch overheated” message
- “Clutch overheated” message accompanied by an audible warning signal

When the message “Clutch overheated” is displayed, the driver may notice a difference in the behaviour of the system during gearshifts and/or during standing starts.

Important note



Certain high-performance actions (including but not limited to: “LAUNCH” control start, standing start with wheelspin with Manettino set to ESC OFF, etc.) may be inhibited to prevent excessive overheating of the clutches: the system warns the driver that the action is not permitted by displaying the message “Operation not admissible” on the left TFT display.

Warning



As soon as any of the warnings described above appear on the left TFT display, the driver must slow down, continue driving at an engine speed between 2,000 and 3,000 rpm and minimise gearshift frequency to allow the clutches to cool down as quickly as possible. These driving conditions must be maintained until the message “Clutch overheated” is no longer displayed.



Engine malfunction alarm devices

If the “Engine control system failure” (EOBD) warning light flashes or comes on 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.

The electronic system detects and isolates the error preventing damage to the engine or the production of harmful emissions.

Warning



When the “Engine control system failure” warning light comes on, engine performance may be considerably reduced.

Drive carefully, avoiding sudden acceleration and high speeds.

Contact the Ferrari Service Network 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 comes on or braking is not even, have the pad thickness and the state of the braking surfaces checked.

The minimum brake pad thickness is 3 mm (thickness of the friction material only).

Replacing brake pads

When the brake failure warning light comes on, it means that the front brake pads are excessively worn and must be replaced immediately.

Warning



To guarantee the quality of the components and proper installation, we recommend that you have the brake pads replaced at a Ferrari Service Centre. After replacement, avoid sudden braking until the new pads are seated properly (approximately 300 km).

Emergency release of the electric parking brake (EPB)

Warning



The release procedure must only be carried out by specialised workshop technicians.

If the system cannot be released, contact the nearest Ferrari Service Centre.

Park Lock emergency release

Warning



The emergency release procedure must only be carried out by specialised workshop technicians. If the system cannot be released, contact the nearest FERRARI SERVICE CENTRE.

Warning



This should be avoided unless absolutely necessary:

- to tow the vehicle;
- if there is a Park Lock failure (displayed on the left TFT display with the message “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.

The Park Lock manual emergency release device is found in the top right of the tool kit, as shown by the arrow in the figure.

To perform the Park Lock emergency release procedure, do the following:

- Take wrench **D** out of the tool kit.

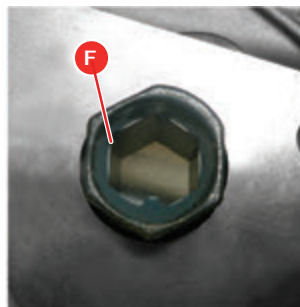
Warning



Wrench **D** may only be used by specialised workshop technicians, as indicated on label **C** on the tool bag.

- Remove the cap that protects the device
- Place wrench **D** in the manual release device housing **F**.
- To perform the emergency release, turn wrench **D** clockwise for a quarter turn.

If the electrical system allows it, check that the letter “N” appears on the gearbox display by activating the instrument panel. The following message will appear on the left TFT display: “Gearbox not in Parking position”. At the same time, an audible signal is repeated four times to indicate that it has been released.





Manual emergency closing of the retractable hard top (RHT)

Warning



Two people are required to manually close the retractable hard top. The movements must be slow and synchronised.

Warning



Only manually close the retractable hard top when the vehicle is stationary and the electric parking brake (EPB) is on.

Only close the retractable hard top manually if it is in an "OPEN" position. Do not follow the procedures described below if the retractable hard top is in an intermediate position, this may damage the retractable hard top hydraulic system and/or the vehicle's moving parts.

Important note



Before starting, check there is adequate space heightwise and in the rear of the vehicle: the minimum available height **Y** must be 1700 mm

and the minimum distance of an obstacle from the rear **X** must be more than 1000 mm.



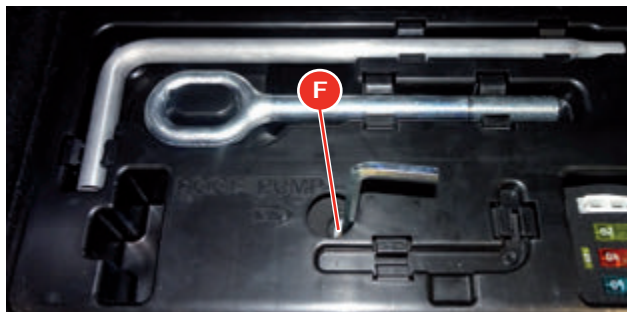
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If the retractable hard top cannot be moved, it can be closed and moved manually. To perform the operations described below, two people are required.

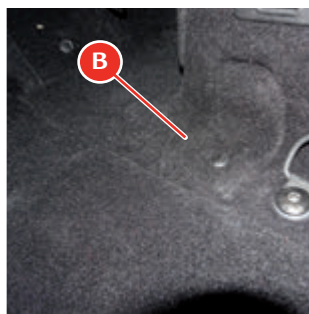
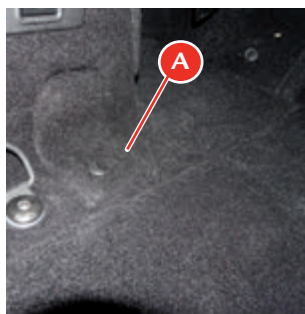
Completely lower the side windows.

Open the luggage compartment lid.

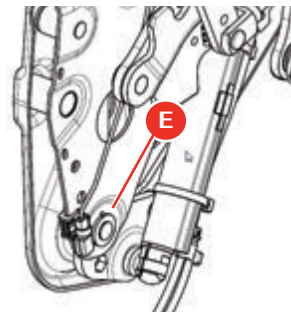
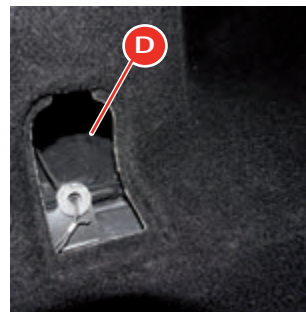
Using the hex-head wrench supplied, remove the pressure from the retractable hard top hydraulic pump. Turn the socket-head screw **F** in the tool kit anti-clockwise to remove the pressure from the hydraulic pump (put the socket-head screw back into position once you have finished).



Open the left **A** and right **B** sections of the luggage compartment by turning the relative fasteners.



Locate the tonneau cover latch in the **D** section.



Insert the special wrench in the tool kit supplied with the vehicle in the tonneau cover housing.

Turn the wrench clockwise to release the left tonneau cover latch **E**.

Repeat the above steps for the right side.

Lift up the tonneau cover until it is completely open.

Important note



Two people are required to open and close the retractable hard top using very slow, synchronised movements.



The retractable hard top panel package safety fasteners must now be released.

*Releasing the safety fasteners if there is an **ELECTRONIC** fault*

If there is an **ELECTRONIC** fault, the message "Hard top failure" is displayed and the hard top panel package safety fasteners can be released by pressing the special retractable hard top activation button on the centre console in a specific sequence.

The sequence involves pressing the "open retractable hard top" button 3 times, twice quickly and once holding it down (for at least 5 sec)

Warning



Only release the retractable hard top panel package safety fasteners by pressing the "open retractable hard top" button in a specific sequence in the event of an emergency. After doing this, the retractable hard top no longer works and the vehicle **MUST NOT** be driven. Contact a Ferrari Service Centre.



*Releasing the safety fasteners if there is a **NON-ELECTRONIC** fault*

If there is a **NON-ELECTRONIC** fault, the message "Hard top failure" is **NOT** displayed and the hard top panel package safety fasteners must be released manually.

Warning

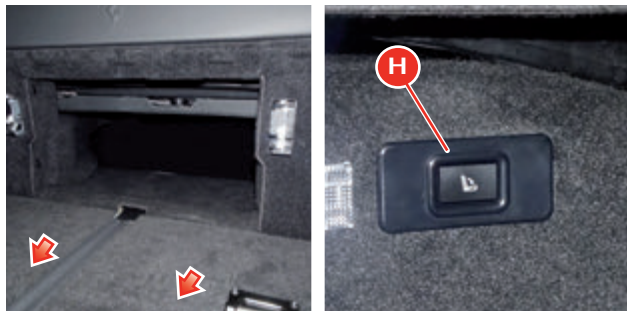


Only manually release the retractable hard top panel package safety fasteners in an emergency. After doing this, the retractable hard top

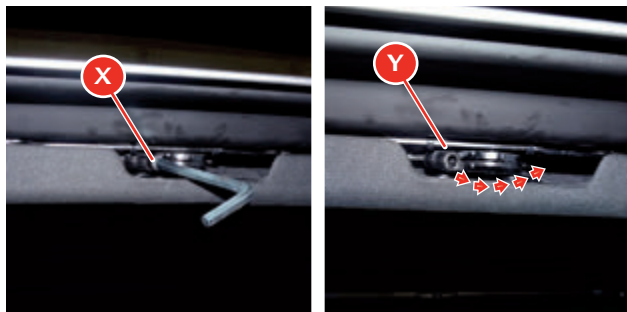


no longer works and the vehicle **CANNOT** be driven. Contact a Ferrari Service Centre.

To access the manual release mechanism for the retractable hard top panel package safety fasteners, lower the rear seat backrests by pressing button **H** on the left-hand luggage compartment panel.



Use the hex-head wrench in the tool kit to remove safety screw **X**.



Insert the hex-head wrench into housing **Y** and, by applying leverage, turn the entire mechanism clockwise (on the horizontal plane) to release the hard top panel package safety fasteners.

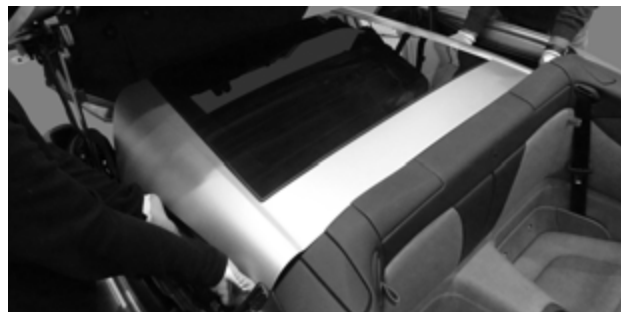
Deploying the hard top panels onto the vehicle

Hold the front/rear hard top panel package stored in the luggage compartment and get ready to lift it.

Important note



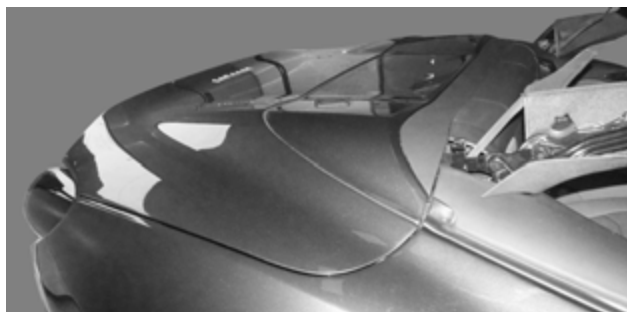
Two people are needed to do this. Hold the retractable hard top panel package with both hands and work using synchronised movements on both sides of the vehicle.



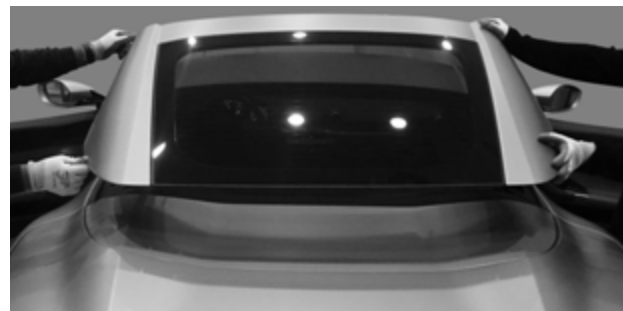
Lift the front panel of the retractable hard top right up and let it drop down until it touches the windscreen pillars.



Lower the tonneau cover and let it drop until it has gone into its housing.



Close the rear roof panel 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.



*Closing the retractable hard top safely if there is an **ELECTRONIC** fault*

Once the front panel of the retractable hard panel has touched the windscreen pillars, if there is an **ELECTRONIC** fault and the message "Hard top failure" is displayed, the hard top can be blocked in the safety position by pressing the special retractable hard top activation button on the centre console in a specific sequence.

The sequence involves pressing the "close retractable hard top" button 3 times, twice quickly and once holding it down (for at least 5 sec)

Important note



Make sure that the retractable hard top is closed and that the hard top front panel is attached to the windscreen pillars. If it is not, repeat the procedure.

Warning



After releasing the retractable hard top panel package safety fasteners by pressing the "close retractable hard top" button in a specific sequence, even if the vehicle is closed correctly and the retractable hard



top is correctly secured to the front windscreen, the retractable hard top no longer works. **DO NOT** set off. Contact a Ferrari Service Centre.

Closing the retractable hard top safely if there is an NON-ELECTRONIC fault

If the hard top panel package safety fasteners have had to be manually released following a **NON- ELECTRONIC** fault, the retractable hard top cannot be attached to the windscreen and cannot be closed safely. **Do not set off.**

Warning



After manually releasing the retractable hard top panel package safety fasteners, the retractable hard top no longer works and the retractable hard top cannot be closed safely. The vehicle **MUST NOT** be driven. The aerodynamic drag generated by the hard top can cause serious damage to the roof parts and make the vehicle difficult to drive. Contact a Ferrari Service Centre.



4

Warranty Booklet	188
Level checks	188
Wheels and tyres	192
Seat belt and pretensioner care	193
Cleaning the vehicle	193
If the vehicle is stored for long periods	196



5



CARE OF THE VEHICLE



Warranty Booklet

The vehicle comes with a “Warranty Booklet”.

This contains the vehicle’s warranty validity conditions.

Maintenance

Displaying information on scheduled maintenance

It is essential to always keep the vehicle in proper working order to 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 safety system component must be performed by the Ferrari Service Network.

Maintenance schedule

At the intervals prescribed, the Ferrari Service Centres must perform all the fine-tuning and checking operations indicated in the “Warranty Booklet”.

It is however advisable to report any small fault which occurs when using the vehicle (e.g. small leaks of essential fluids) to the Ferrari Service Network immediately and not wait until the next service is due to correct the problem.

Periodic maintenance services must be performed at least once a year even if the specified mileage limit has not been reached (see “Annual Maintenance” in the “Warranty Booklet”).

Displaying information on scheduled maintenance

If the next scheduled maintenance deadline is approaching, at key-on, the message “Service Stop within:” is displayed for 5 seconds on the left TFT display followed by the number of kilometres or days before vehicle

servicing. The information is provided in kilometres or days according to the deadline that comes first. Information on scheduled maintenance can also be displayed on the left TFT display if requested by the driver irrespective of the scheduled deadlines. To do this, call up the MENU screen page and select “Service”.

Level checks

A Engine oil tank cap.

B Brake fluid tank cap.

C Windscreen and headlight washer fluid tank cap.

D Coolant tank cap.

Important note



The level checks must be performed at the intervals indicated in the “Warranty Booklet” or, in any case, before starting a long journey.

Environment

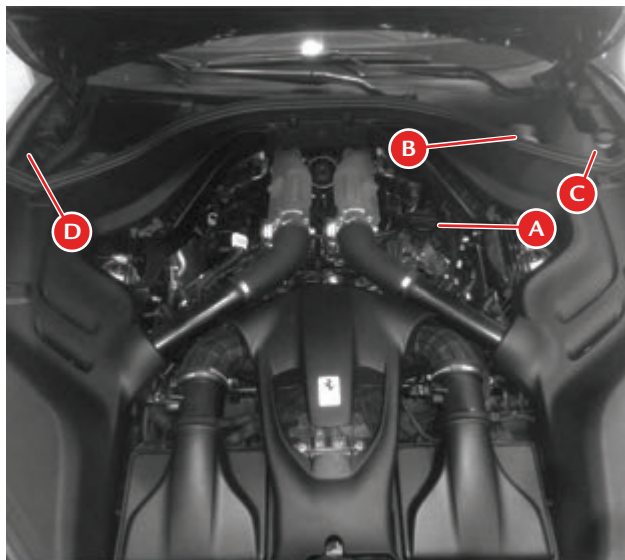


All the materials used for the following operations (e.g. cloths soaked with oil or grease, pans, etc.) must be disposed of in compliance with the environmental protection regulations.

Important note



Only use lubricants and/or fluids recommended by Ferrari (see the “Refilling” table).



Checking the engine oil level

Warning



The engine oil level must be checked when the engine is idling and warm and the vehicle is on level ground. DO NOT add oil with different characteristics from those of the oil already in the engine.

The symbol on the left TFT display and the message “Low engine oil pressure, stop and turn off engine” indicate that the driver must stop and check the engine oil level.

Proceed as follows:

1. Run the engine until the engine oil temperature has reached 85 - 90 °C.
2. Leave to idle for 5 minutes;
3. Turn off the engine;
4. Open the engine compartment lid and completely remove the dipstick **F** on the left-hand side of the engine;
5. Remove the oil filler cap **A** and wait 5 minutes for the oil to drain back into the oil pan;
6. Remove the dipstick **F** and check the level: the level must be between the **MIN** and **MAX** notches on the dipstick.
7. If the level is low, top up with the recommended oil and make sure you do not fill beyond the **MAX** level on the dipstick.
8. Screw cap **A** back on tightly.

After topping up, the “low oil level” symbol on the left TFT display may remain on for some time.

This will allow the system to perform all the necessary checks. You should therefore consider this behaviour normal.

9. When you have added or changed the oil, check the oil level once again as indicated above.

5

Important note



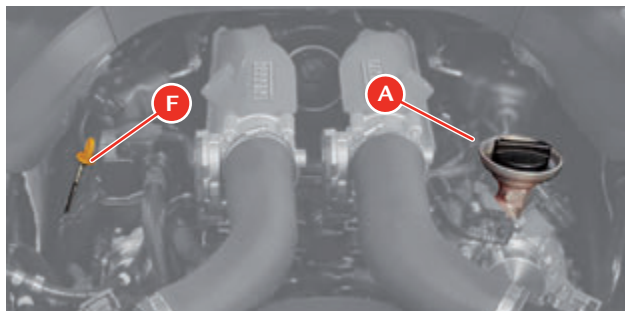
The distance between the MIN and MAX notches corresponds to approximately 1.3 litres of oil.



Environment



Top up with due care to avoid pouring the oil out of the filler neck.



Checking the DCT gearbox oil level

Important note



We recommend that you have the oil level of the DCT gearbox checked by the Ferrari Service Network or by skilled staff.

Checking the coolant level

Warning



The coolant in the cooling system reaches very high temperatures and pressures. 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 **D** from the expansion tank (once the cosmetic shield has been removed).
- Check that the level can be seen from the filler neck.
- If the level is low, top it up with the recommended fluid.
- Screw the cap **D** back on tightly.

Important note



If frequent top-ups are required after short trips, have the system checked by the Ferrari Service Network.

Checking the brake fluid level

Proceed as follows:

- Remove the cosmetic shield on the left-hand side of the engine compartment by unscrewing the screws on the top of the shield and check that the level is near the **MAX** mark shown in the figure.

Important note



Clean cap **B** before removing it.

- If the level is near the **MIN** mark shown in the figure, remove cap **B** and top up with the recommended oil to the **MAX** mark.
- Screw the cap **B** back on tightly.



Warning



Always use the indicated quantity of new, recommended fluid taken from sealed containers.

Environment



Do not dispose of used fluid in the environment.

Warning



The fluid in the brake system may damage plastic, rubber and painted parts and is highly dangerous if it comes into contact with the eyes or the skin. If the fluid comes into contact with the eyes or skin, wash the affected part thoroughly with running water. To avoid any risk, always use protective goggles and gloves.

Keep out from children's reach!

Warning

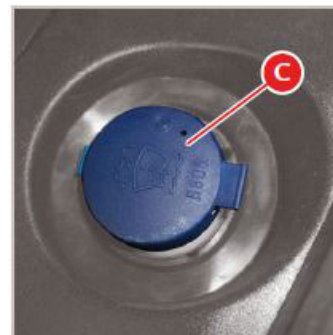


The use of mineral-based fluids will irreparably damage the system rubber gaskets. Do not use fluids other than those already in the system for topping up.

Windscreen and headlight washer fluid

The windscreen and headlight washer fluid tank can be accessed by lifting the engine compartment lid.

- Lift cap **C** and fill the tank with the recommended fluid until it can be seen in the fluid filling manifold.
- Close cap **C**.





Wheels and tyres

To ensure maximum performance and tyre life and to permit the best tyre adjustment on the wheel rim, it is important to comply with the following instructions for the first 200/300 km with new tyres:

- avoid sudden acceleration
- avoid sharp braking and steering
- drive at moderate speed on straight roads and on curves.

Important note



To ensure safe driving, the tyres must be kept in good condition.

The inflation pressure must correspond to the specified values and must be checked only when the tyres are cold since tyre pressure increases as tyre temperature increases.

Never reduce the pressure if the tyres are hot.

Environment



Periodically check the tyre pressure. Driving with the tyres inflated to the correct pressure helps to reduce fuel consumption.

Low tyre pressure can lead to overheating, internal damage and even destruction of the tyres.

Warning



Inflating the tyres to a pressure which is different from that prescribed will make the TPMS inaccurate.

Sudden impact with pavements, potholes and other obstacles of various types as well as long trips on rough roads can cause damage to the tyres that is not always visible to the naked eye.

Check the tyres regularly for any signs of damage (e.g. scratches, cuts, cracks, bulges, etc.).

If sharp objects penetrate the tyres, they can cause damage which is only visible when the tyre is removed.

Have any damage inspected by an expert as it may considerably reduce tyre life. Remember that tyres deteriorate over time even if they are rarely used or not used at all. Cracks in the tread and side walls, possibly accompanied by bulging, are sure signs of ageing.

Warning



The Ferrari Service Network is suitably equipped to replace tyres and to determine whether a tyre is safe for use.

Have the tyres replaced by the Ferrari Service Network which has the equipment needed to avoid damage to the sensor inside the wheel rim which could be caused by carelessly performed procedures.

Important note



The Ferrari Service Network can certify whether aged tyres are suitable for use.

Warning



Replace the tyres at intervals no longer than 4 years of normal usage, even if the maximum mileage specified has not been exceeded.

Never fit tyres of uncertain origin.



Warning



The tyres 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.

When replaced, maximum performance levels can only be ensured if the rotation direction corresponds with the direction indicated by the arrow. Tyres on the same axle must always be replaced in pairs.

Regularly check the tyre tread (minimum acceptable depth 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 tyres and in any case, at the intervals prescribed in the “Warranty Booklet”, have the Ferrari Service Network check the wheel toe-in and camber.

Seat belt and pretensioner care

- 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 anchor points are tightened fully and that the seat belt is in perfect condition and slides smoothly.
- The seat belt must be kept clean; the presence of any dirt could prevent the seat belt retractor from working properly.
- To clean the seat belt, wash by hand with mild soap and water and let it dry. Do not use strong detergents, bleach or aggressive

solvents, as they can weaken the fibres. Make sure the retractors do not get wet: proper functioning is only ensured if they are kept dry.

- The pretensioner requires no maintenance or lubrication.
- Pretensioners must be replaced at regular intervals as indicated in the “Warranty Booklet”.

Important note



If immersed in water or mud, it must be replaced.

Important note



All work on any part of this safety system must be performed by the FERRARI SERVICE NETWORK.

Warning



Removing or making modifications of any kind to the seat belts, belt retractors and pretensioners is not allowed. Maintenance work involving strong impacts, vibrations or heating of the pretensioner area may activate them; vibrations caused by bumps in the road will not have this effect

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 the vehicle long life.

Here 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 merely wets encrusted mud without removing it completely can prove 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.

Important note



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: make sure that the jet of water does not blast the paintwork; wash the vehicle with a sponge and a mild soap and water solution; rinse the vehicle again with a jet of water and dry it with a 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 on the paintwork, polish it once or twice a year with products recommended by Ferrari.

- Any areas that are cracked or chipped by stones, scratches or parking manoeuvres, etc., must be immediately repaired by the Ferrari Service Network.
- Do not park the vehicle in damp and/or unventilated areas for long periods of time.

Warning



The paintwork MUST NOT be polished using any type of product.

Owners must take great care of vehicles with matt paintwork (optional).

Here is a list of the main precautions to be taken.

- Wash the vehicle using a steam cleaner and rinse with demineralised water only.
- It must be dried using an automatic dryer or compressed air. Manual drying can **ONLY** be performed using a 3M microfibre yellow cloth that is clean and soaked in demineralised water in the areas where limescale deposits are present. The cloth must be kept in a special clean container.
- To clean any grease or oil marks, a clean 3M microfibre yellow cloth soaked in R107/S solvent (heptane) can be used. A new cloth must be used and it must not have been previously soaked in demineralised water.



- Do not wash the vehicle in direct sunlight.
- Only wash the vehicle when the bodywork and engine are cold.
- Do not apply stickers to the bodywork.
- Any areas that are cracked or chipped by stones, scratches or parking manoeuvres, etc., must be immediately repaired by the Ferrari Service Network.

Important note



DO NOT lean against the vehicle especially if you are wearing clothes with buttons, buckles or are wearing rings, necklaces, etc. This may cause irreparable damage to the bodywork.

Important note



To use suitable products, contact the Ferrari Service Network.

Cleaning of protective anti stone-chipping film (optional)

The film has been designed to protect the bodywork: anything that damages 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 the film coming into contact with the brake fluid: the film will become opaque.

- Do not use solvents along the edges of the film to prevent them penetrating the adhesive layer.

Important note



Nürburgring Silver, Avus White, Alloy Grey, Met Avio, Ivory, Met Light Blue, Met Sky-Blue and Fuji White 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 and cause it to tarnish.

Important note



We recommend that the film be replaced every 24 months for Nürburgring Silver, Avus White, Alloy Grey, Met Avio, Ivory, Met Light Blue, Met Sky-Blue and Fuji White vehicles, which may show a light visible tarnish due to dirt inside the pores of the film.

It should be noted that timely and accurate cleaning (monthly washing and waxing twice a year at least) will prevent deterioration of the film.

Cleaning the interior

Cleaning and care of the leather upholstery

As indicated in the “Maintenance Schedule” (see the “Warranty Booklet”), 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 the Ferrari Spare Parts Service Department, 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 the Ferrari Service Network.

The following products must be avoided when cleaning the leather: harsh detergents, turpentine, liquid stain removers, petrol, solvents and domestic cleaning products. All of these products damage the natural material.

Cleaning and care of the Alcantara® upholstery

Warning



Do not use steam cleaners.

- Carefully dust the parts to be cleaned
- Use a soft cloth or sponge moistened with clean water
- Thoroughly wring out the cloth and wipe it over the entire Alcantara® area making sure you do not over-wet it
- Repeat the procedure
- 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
- bring the tyre pressure to 3.0 bar and periodically change the point where the tyres rest on the ground
- connect the battery conditioner
- protect the vehicle with a breathable fabric cover and avoid materials that prevent any dampness on the bodywork from evaporating.

Before using the vehicle again after long periods of inactivity, adjust the tyre pressure to the indicated pressure and check the fluid levels of all the systems.

Important note



If you do not intend to connect the vehicle to the battery conditioner, the battery must be recharged at least once every two weeks to keep certain functions, such as the radio station memory, alarm system, etc., working correctly.

The battery is in integral component of the vehicle, and required the vehicle itself to be used frequently in order to function correctly.

Infrequent vehicle usage may reduce battery performance or result in complete battery failure.

Constant use of the specific battery conditioner provided by Ferrari ensures that the original battery installed in the vehicle is kept charged correctly and in working order.



5

Glossary	200
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GLOSSARY



Glossary

- **ABS**
(Anti-lock Braking System) The ABS prevents wheel locking when braking so that vehicle handling can be maintained.
- **AC**
Air conditioning.
- **ASR**
(Antriebs Schlupf Regelung) Anti-skid regulation during acceleration.
- **Autopark**
Automatic activation of the electric parking brake (EPB) when the engine is switched 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 Holding) Additional function of the electric parking brake (EPB): it allows gradual release of brake shoes/pads when the vehicle starts up. This guarantees an optimised release for the vehicle and is an aid for the driver.
- **Traction power**
Force exerted by the vehicle on the road surface through the wheels; it indicates the grip.
- **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.
- **TFT displays**
Multifunction colour displays on the instrument panel that provide vehicle information.
- **E-Diff**
Evolved electronic differential integrated with the F1-Trac traction control.
- **EBD**
Electronic 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.
- **ESC**
Stability and Traction Control. It consists of two systems: VDC and F1-Trac.
- **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 relative wheel speed and using an auto-adaptive operating logic. Comparing this information with the vehicle dynamics model stored in the control system, F1-Trac, optimises the vehicle behaviour by controlling engine torque delivery.
- **Launch Control**
Strategy for performance standing starts.
- **Manettino**
The driving mode control switch on the steering wheel that allows the driver to use vehicle potential in a quick, intuitive way.
- **Park Lock**



Automatic DCT gearbox park lock. When the engine is off, a mechanical lock is automatically activated to prevent the vehicle from moving if the electric parking brake is not activated.

- **TPMS**

(Tyre Pressure Monitoring System) A system that monitors tyre pressure and temperature on the vehicle. 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 left TFT display.

- **VDC**

Vehicle Dynamic Control performed through the braking system and engine torque.



INDEX



INDEX

A

ABS and EBD	60
Active safety	44
Adjusting the steering wheel	141
Air conditioning and heating system	143
Anti-theft system	16
Auxiliary occupant protection systems	53

B

Battery	172
Body Computer fuses and relays	164

C

Carbon ceramic (CCM) brakes	131
Child safety	50
Cleaning the vehicle	193
Clutch overheat alarm devices	176
Consumption and CO2 emissions	30
Cruise Control	110

D

Dimensions and weights	27
Doors	74

Driving the vehicle	121
---------------------	-----

E

Electrical system	30
Electronic alarm	17
Emergency release of the electric parking brake (EPB)	177
Engine compartment lid	75
Engine malfunction alarm devices	177
ERA-GLONASS System	64
ESC - Electronic Stability Control	61
Exhaust system overheating alarm devices ("Slow Down" function)	175

F

F1-Trac	62
FBP - Ferrari Brake Prefill	61
Fuel filler flap and neck	76
Fuel inertia switch	60, 172
Fuses and relays in battery compartment	162
Fuses and relays in luggage compartment	168
Fuses and relays in passenger compartment on passenger side	165

G

Glossary	200
----------	-----



H

How to fasten seat belts 45

I

Identification and homologation plates and labels 21

If the vehicle is stored for long periods 196

Infotainment system 101

Instrument panel 81

Instruments and gauges 83

K

Key and receiver homologation certificates 13

L

Launch Control 133

Level checks 188

Lighting 116

Location of the fuse and relay boxes 161

Luggage compartment lid 75

M

Main engine specifications 30

Manual emergency closing of the retractable hard top
(RHT) 179

P

Park Lock 133

Park Lock emergency release 177

Parking Camera function 99

Parking sensors 92

Passenger compartment accessories 145

Passenger display (optional) 100

Passive safety 43

Performance 30

Placing luggage in the luggage compartment 144

Power windows 78

Pregnant women and seat belts 47

Pretensioners 48

R

Rear seat belts 47

Rear-view mirrors 141

Refilling 37

Replacing a fuse 160

Replacing a wheel 170

Replacing number plate light bulbs 160

Replacing remote control batteries 15

Replacing the brake pads and discs 177

Replacing the front and rear light bulbs 160

Retractable hard top (RHT) 147

Roll bar 65



S

Seat belt and pretensioner care	49, 193
Seat belts	44
Seats	138
Side airbags	58
Steering wheel	112
Stop&Start system	134
Summary tyre table	32

T

Tool kit	158
Towing	171
Transmission ratios	30
Tyre speed rating table	35
Tyre temperature and pressure monitoring system (TPMS)	66
Tyres	32

V

Vehicle keys	12
------------------------	----

W

Warranty Booklet	188
Wheel rims	31
Wheels and tyres	192
Wind deflector	151

Windscreen washer/wiper	114
-----------------------------------	-----

Equipment and options in FERRARI vehicle models may vary because of specific legal and market requirements. The information contained in this publication is therefore not binding in any way. 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 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.

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