Ferrari

12Cilindri

Ferrari

12Cilindri

SPIDER

Important note

Some of the information in this pamphlet has been taken from the Owner's Manual supplied with the vehicle. Therefore, any references to chapters refer to the "Owner's Manual" and must be consulted there.

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Roadside Recovery

INTRODUCTION

This guide provides the information required to act as safely as possible if one of these vehicles is involved in an emergency situation. the 12Clindri and the 12Clindri Spider.

The images show the 12Clindri unless otherwise indicated.

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;
- seat surveillance;
- vehicle movement surveillance.

Activation

From outside the vehicle, press button **A** on the key once to activate the alarm system:

- the turn indicators flash once;
- the system beeps once;
- The red LED **B** on the secondary control panel, on the LH side of 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.

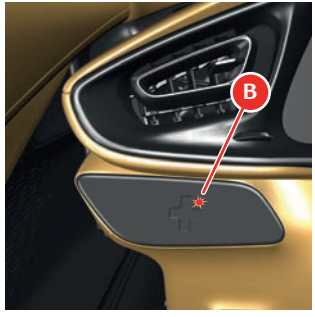
By pressing button **A**, other functions, in addition to the anti-theft system, are activated: see the "Vehicle keys" chapter for more information.

When the electronic alarm is activated, it can be deactivated to open the luggage compartment by pressing button **C** on the key twice; in this case, the seat surveillance and anti-lift sensors are temporarily deactivated.

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

If the turn indicators and the red LED **B** on the dashboard flash 9 times when the alarm system is activated, this means that one of the doors or the luggage compartment lid is open or not closed properly and is therefore not protected by the perimeter surveillance function. If this is the case, check that the doors and luggage compartment lid are closed properly and close any door or lid that is open without deactivating the alarm system. When the luggage compartment is closed properly, it will be included in the perimeter surveillance function. If an attempt is made to lock the vehicle and a compartment is open, it will remain unlocked but the alarm will be activated. The engine compartment is the only compartment that allows the vehicle to be locked even if open.





Warning

If the turn indicators and the red LED on the dashboard flash 9 times when the alarm system is activated and the doors and front and rear lids are 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.

Deactivation

From outside the vehicle, press button **C** on the key once to deactivate the alarm system:

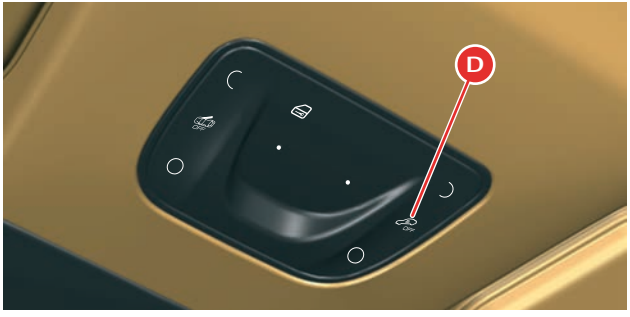
- the turn indicators flash twice;
- the system beeps twice;
- the red LED **B** on the dashboard goes out;
- the ceiling lights come on;
- the central door locking system of the vehicle is deactivated and the doors are unlocked.

Pressing button **C** once if the function is activated from the instrument panel unlocks the doors and the luggage compartment and also turns on the low beams for 30 seconds. The alarm system is deactivated and you can now get into the vehicle and perform a KEY-ON.

By pressing button **C**, other functions, in addition to the anti-theft system, are deactivated: see the "Vehicle keys" chapter for more information.

Deactivating the seat and anti-lift surveillance

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



Alarm memory

If, when the vehicle is started, a pop-up with the CODE symbol appears on the instrument panel 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.

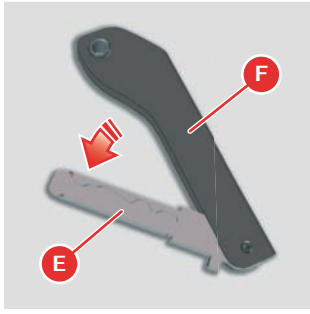
When the engine/motors are switched on, the alarm system memory is reset.

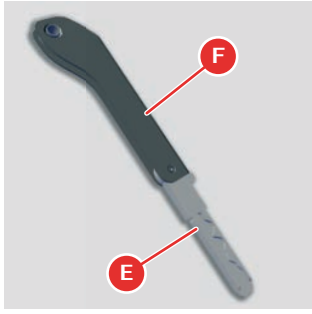
Flat remote control battery

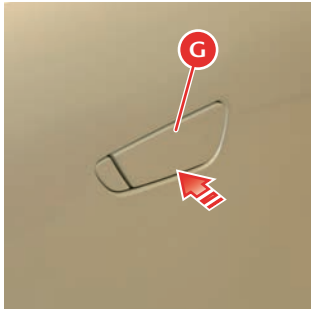
If you cannot open the door after pressing button **C** on the key, the remote control battery may be flat.

If the remote control battery is flat, use the emergency key supplied with the keys to get into the vehicle.

- Pull out the metal insert **E** from the main part **F** of the emergency key and block it in a fully pulled out position.
- Press the external handle **G** on the driver-side door and hold it down.
- Put the metal insert **E** into the lock on the bottom of the handle recess and turn it counterclockwise to deactivate the door locking device: the alarm siren will activate.
- Remove the emergency key, open the door and get into the vehicle: the alarm siren will deactivate. Press the ENGINE START/STOP button and do a KEY ON. The alarm siren will deactivate after KEY ON.









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.

DOORS

General information

The key-less system on the vehicle allows you to open the doors while the key with remote control is in your pocket or you are at a maximum distance of 50 cm from the opening handle.

Important note

The key-less system works via a wireless connection. To avoid a risk of theft caused by intercepting this connection, we recommend - when the vehicle is not being driven - keeping the keys in a special metal container (e.g. Faraday pouch). For information on this product, contact the FERRARI SERVICE NETWORK.

The door locks are fully electric and relays are used instead of the traditional mechanical devices.

In addition to the electric lock, the driver-side door also has a mechanical lock which can be opened using the emergency key if the remote control battery is flat, as described in the chapter "Electronic alarm".

When a door is opened, if the window was completely closed, it 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 from this position until it reaches the "upper limit". If the window is manually lowered by the user below the "target" position, it will not be automatically closed when the door is closed.

Opening the doors from outside

To open the vehicle using the external handle, the vehicle does not have to be unlocked: if the handle is used with the key in the driver's pocket, the window is lowered, the vehicle is unlocked and the alarm is automatically deactivated. Only the driver door can be unlocked or all the doors depending on the "Driver only" setting selected on the instrument panel, if the driver door handle is used. If the same operation is performed using the passenger door, on the other hand, the entire vehicle is unlocked, as described in "Vehicle keys".

With the anti-theft system deactivated and the key in your pocket or within a range of 50 cm, press the handle where indicated and open the door: the window will move down to its "target position".

From this position, when the door is closed, the window automatically moves up until it reaches the "upper limit".



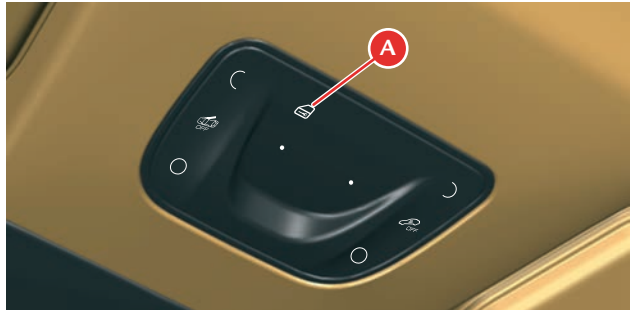
Warning

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

Locking the doors from inside

Both doors can be locked by activating/deactivating button **A** on the roof panel. When the door lock is activated, the light on button **B** comes on.

To deactivate the door lock, press button **A** until the light goes out.



The function that automatically inserts the door lock when the vehicle is moving at a speed of 20 km/h or over can be activated using the controls on the RH spoke of the steering wheel.

Call up the "Settings" screen on the instrument panel, go to the "Car" menu and flag the "Automatic doors lock" function in the "Doors and mirrors" submenu.

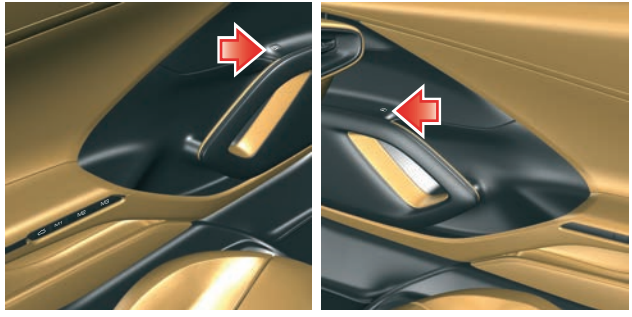


Opening the doors from inside

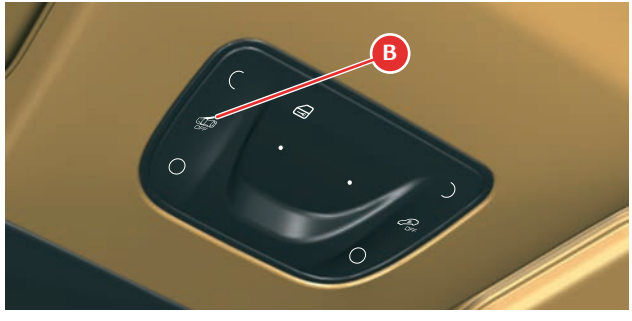
Press the button shown on the inner door panel to release the lock and open the door: the window will move down to its "target position". From this position, when the door is closed, the window automatically moves up until it reaches the "upper limit" (if the window is manually lowered by the user below the "target" position, it will not be automatically reclosed when the door is closed).

The button for opening the door from inside is deactivated at a speed of over 8 km/h.

Pressing the unlock button unlocks both doors.



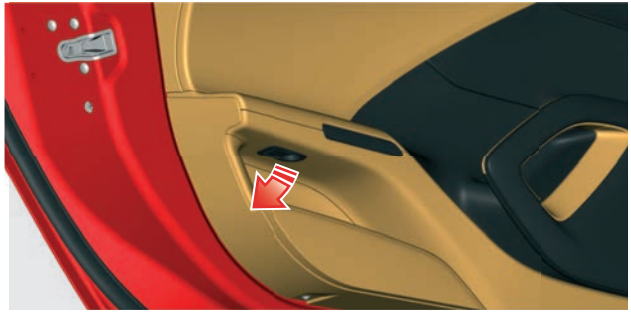
Press button **B** on the roof panel to deactivate the switching on of the dome lights when the doors are opened and closed at KEY OFF.



Emergency opening of the doors from inside

If the door unlocking system using the button on the inner door panel is not working properly, the lock can be manually released using the pull ring shown by the arrow underneath the armrest on each door.

Pull this ring down and open the door.



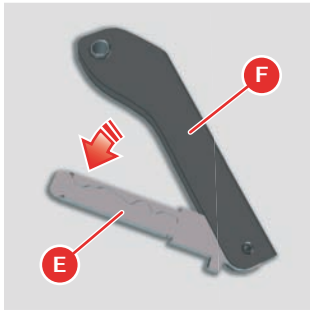
Important note

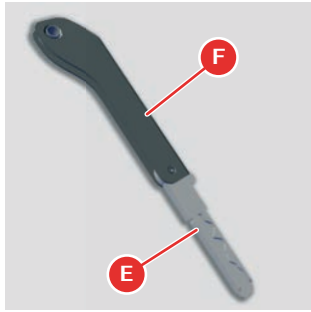
Contact the Ferrari Service Network as soon as possible to correct the malfunctioning.

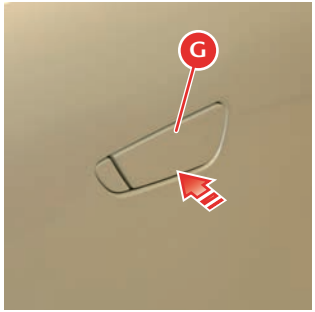
Emergency closing of the doors from outside

If the 12V battery is flat, use the emergency key supplied with the keys to close the vehicle.

- Pull out the metal insert **E** from the main part **F** of the emergency key and block it in a fully pulled out position.
- Press the external handle **G** on the driver-side door and hold it down.
- Put the metal insert **E** into the lock on the bottom of the handle recess and turn it clockwise to activate the door locking device.
- Remove the emergency key.









Important note

In this case, the window does not move into its "target position" when the door is locked and the door must be slowly accompanied until it closes to avoid damaging the window which may collide with the weather strip.

Important note

Contact the FERRARI SERVICE NETWORK as soon as possible to correct the malfunctioning.

REACTIVATING THE FUEL INERTIA SWITCH

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

A pop-up appears on the instrument panel with a symbol and specific message, a special warning light comes on, as described in the chapter "List of symbols and warning lights on the instrument panel", and the hazard warning lights come on to indicate that the inertia switch has been activated.

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

Warning

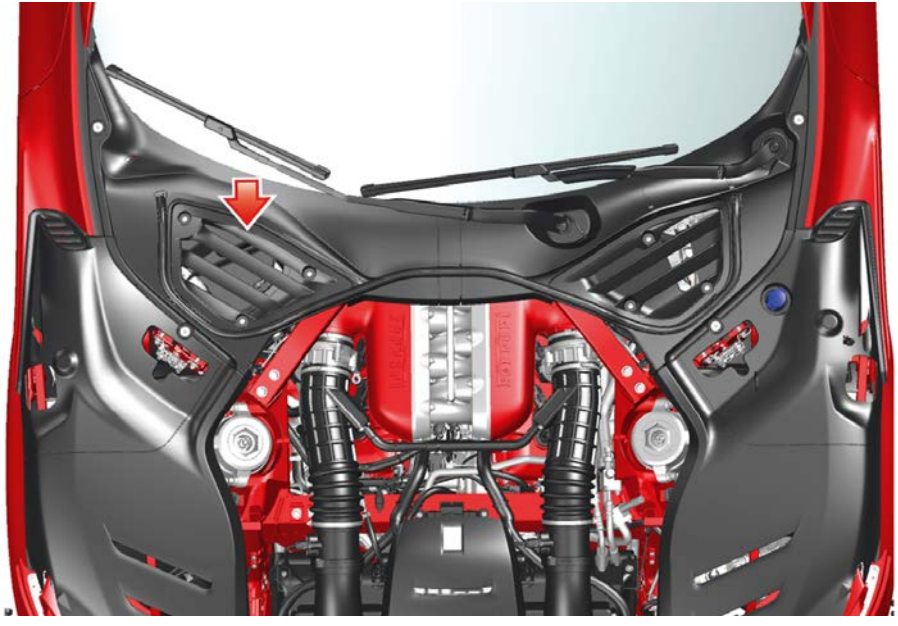
The fuel pump relays can be reactivated by pressing the button on the inertia switch on the floor on the driver side in front of the driver's seat. To access the switch, remove the plastic cover/cap.



Important note

If a collision occurs and the airbags are deployed, the fuel pump relays cannot be reactivated for safety reasons. If this occurs, contact the FERRARI SERVICE NETWORK.

DISCONNECTING THE BATTERY







To cut off the power supply from the battery to the electrical system, use the quick-connect terminal **C** on the LH side of the battery until it is released.

IF THE BATTERY IS FLAT

The vehicle is equipped with a maintenance-free sealed 12V battery located in a special compartment in the engine compartment.

Warning

Do not place the battery near sources of heat, sparks or naked flames.

Warning

Never disconnect the 12V battery from the electrical system.

The 12V battery can only be disconnected from the electrical system by the FERRARI SERVICE NETWORK.

Warning

Use only the specific battery conditioner supplied with the vehicle to keep the 12V battery at a sufficient state of charge when the vehicle is not in use. For further information, see the specific "Battery Conditioner" manual included in the packaging of the battery conditioner.

Warning

The 12V battery requires a specific battery conditioner which is supplied with the vehicle. Never connect any other battery conditioner or charger to the 12V battery terminals.

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

In the event of a simultaneous failure of both the 12V battery and the alternator, the electronic control unit may implement an emergency strategy which may result in the engine shutting off for the safety of the occupants and the vehicle. Stop the vehicle immediately and contact the FERRARI SERVICE NETWORK. The vehicle may not be safe to drive.

Emergency starting

Warning

The 12V battery CANNOT be used for emergency starting.

Never attempt to perform an emergency start by connecting the battery to the battery on another vehicle, a portable jump starter or an external battery.

Battery conditioner

The vehicle is equipped with a battery conditioner to maintain and recharge the battery.

The battery conditioner connector is in the rear bumper near the number plate holder.



Important note

If the battery charge is not topped up periodically, the battery will be subject to a progressive loss of performance which may become irreversible. The length of time before loss of performance becomes irreversible depends on the charge conditions of the battery. As a result, the use of a battery

conditioner is recommended for periods with the vehicle not in use exceeding 70 hours.

The device is kept in a pocket inside the car cover bag supplied with the vehicle.

Important note

Place the battery conditioner where it can be easily seen away from heat sources and out of children's reach.

If the car is going to be left unused for periods longer than one week, we recommend that you connect the battery conditioner in order to keep the battery in good working order.

Warning

To avoid damaging the conditioner and vehicle, always disconnect the magnetic coupling before starting the vehicle.

Important note

More detailed technical information and safety instructions relative to the use of the device are given in the specific manual included in the box of the battery conditioner.

Reconnecting the battery

After disconnecting the battery, place the quick-release clamp of the negative cable onto the negative terminal of the battery until you hear it click in place.

Warning

Never disconnect the battery. The battery quick release connector may only be used by qualified workshop technicians.

Each time the battery is reconnected, do the following before starting the engine:

- close both doors and close the luggage compartment lid;
- lock and unlock the doors using the remote control;
- open the luggage compartment lid using the remote control;
- update the date and time on the instrument panel;
- close both doors, fully raise the driver side and passenger side windows to their upper limit and 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.

ENGINE COMPARTMENT LID

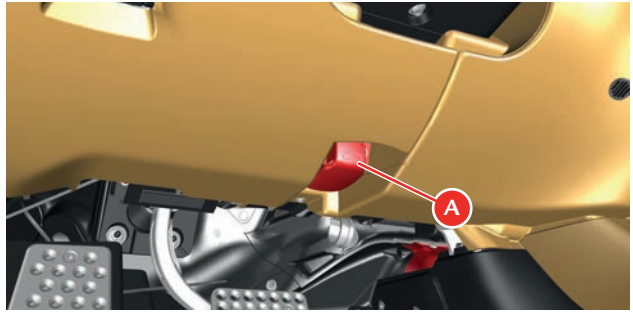
Opening

The engine compartment lid can be opened from inside the vehicle.

Warning

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

Pull the release lever **A** on the side of the steering column on the driver side.



The engine lid lifts up slightly. Accompanying the lid with your hand, lift it until it is fully open.

The lid is held open by two shock absorbers.



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

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The luggage compartment lid is electrically activated.

Warning

Always be very careful when opening the lid.

Safe opening and closing of the lid is guaranteed by a protection system that can automatically stop any movement when it encounters an obstacle in its path both when opening and closing.

Important note

If there are luggage racks, bike racks or ski racks, electric activation of the luggage compartment is not guaranteed. To open the lid, you must do it manually.

Opening

The luggage compartment can be opened from both outside and inside the vehicle.

Warning

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

When outside the vehicle, press the button indicated on the key fob twice within 500 ms.

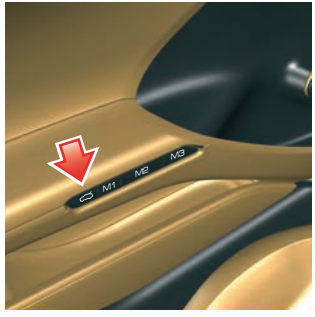
In addition, when the lock is unlocked, the luggage compartment can be opened from the outside by pressing the button in the centre of the number plate light for approximately one second until you hear it unlock.



When the lid is opened, the turn indicators light up and the internal lights come on: the lights are automatically switched off when the lid is closed.

When inside the vehicle, press the release button indicated on the driver side door panel.





The lid is held open by two shock absorbers.

The luggage compartment is illuminated by two light units which activate automatically when the luggage compartment lid is opened.

Personalising height of luggage compartment opening

To avoid problems in limited space, you can set the height at which the luggage compartment opening can be blocked.

To personalise the lid opening position, open it and stop it in the position you want to memorise; press one of the closing buttons for at least 2 seconds: the turn indicators flash twice to indicate that the position has been activated. The lid is now programmed to open in the set position.

Closing

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.

Warning ⚠

If the key is left inside the luggage compartment, it will reopen automatically.

Warning ⚠

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

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.

Vehicles with electric rear luggage compartment lid (optional)

The lid can be closed by pressing the button on the inner trim of the lid. If button 🔒 which is next to it is also pressed, all the doors are locked.



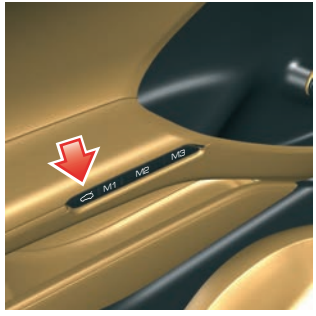
You can also close the lid by clicking twice on the key.

Important note

If necessary, you can stop the opening or closing of the lid by pressing any of the closing buttons.

To close it from inside, press the button on the door panel on the driver side and hold it down until the operation has been completed.



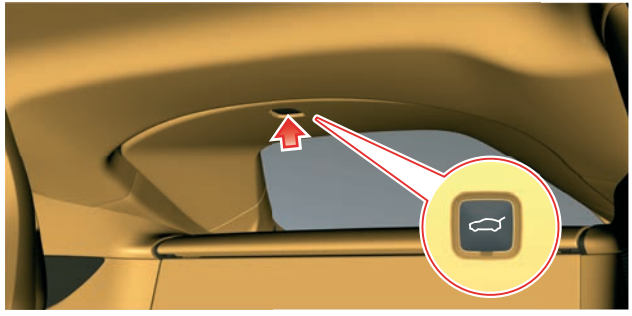


Opening the luggage compartment lid when the battery is flat.

To open the luggage compartment lid when the battery is flat, remove the cap inside the lid and pull the Bowden mechanical release cable.

Important note

Once the luggage compartment lid has been opened, manually put the Bowden cable back in place. After closing the lid, manually check that it has been closed properly. If this is not possible, please contact the FERRARI SERVICE NETWORK.



Initialisation of lid opening/closing system

Important note

After disconnecting the vehicle 12V battery from the electrical system, a door lock/unlock cycle must be performed using the buttons on the key fob when reconnecting so that the release button on the driver-side door panel resumes normal operation (electronic system self-acquisition procedure).

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The luggage compartment lid is not electrically activated.

Opening

The luggage compartment lid can also be opened when the key battery is flat.

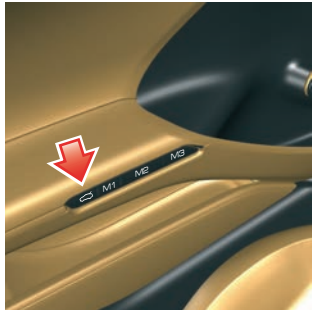
Warning

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

To unlock the luggage compartment lid:

- when outside the vehicle, press the button indicated on the key fob twice within 500 ms;
- When inside the vehicle, press the release button indicated on the driver side door panel.





In addition, when unlocked, the luggage compartment can be opened from the outside by pressing the button in the centre of the number plate light for approximately one second until you hear it unlock and then lifting the luggage compartment lid.



The lid is held open by two shock absorbers.

The luggage compartment is illuminated by two light units which activate automatically when the luggage compartment lid is opened.

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 luggage compartment lid has been closed properly to prevent it from opening while driving.

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.

FUEL FILLER FLAP EMERGENCY OPENING DEVICE

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To release the closing device and manually open the fuel flap, pull the cable indicated on the RH rear side of the luggage compartment.

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To release the closing device and manually open the fuel flap, pull the cable indicated on the RH rear side of the luggage compartment.

FUEL FILLER NECK

Warning

Refuelling in enclosed areas is not allowed.

Always turn off the engine when 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.

The fuel filler neck is located on the RH side of the vehicle and can be accessed by opening the external protective flap.

Opening the fuel filler flap

To open the fuel flap, press the flap where indicated: the flap will open automatically.

Capless filler neck

This vehicle has a capless fuel filler. This system allows you to refuel by simply placing the nozzle in the filler neck without having to unscrew a cap and screw it up again. See the specific pamphlet for more details.

The sealing function of a conventional filler cap are performed by two flaps arranged in sequence inside the filler neck, which are both equipped with airtight seals. The internal flap is locked by a series of "teeth": and the only way to open the flap correctly is by inserting a fuel pump nozzle or the funnel in the tool kit.

Closing the fuel filler flap

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





Emergency opening of fuel filler flap

The vehicle has an emergency cable for manually releasing the fuel filler flap if it will not open using the normal procedure.

The emergency cable can be found in the luggage compartment on the RH side.

Pull the red cable shown in the figure to manually release the fuel filler flap.





Fuel supply

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 10 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.

Warning

If the conditions that allow refuelling are not met or the system that controls the opening of the fuel filler flap is faulty, pop-up messages indicating that refuelling is not available or malfunctioning will be displayed on the instrument panel.

USING THE ELECTRIC PARKING BRAKE - EPB

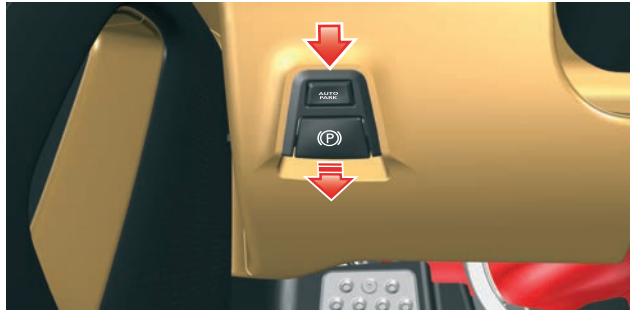
Using the electric parking brake

The parking brake acts on the rear discs using brake callipers operated by an electric actuator.

To apply the parking brake, pull the lever with the symbol Ⓟ on the dashboard, to the left of the steering wheel. With the instrument panel on, a warning light comes on on the instrument panel , as described in the chapter "List of symbols and warning lights on the instrument panel", to indicate that the parking brake is engaged.

To release the parking brake, pull the lever with the symbol ⓅB and keep the brake pedal pressed. The warning light will turn off when the parking brake is fully released.

The electric parking brake can be used as an emergency brake when the vehicle is in motion. If this is the case, when the lever with the symbol Ⓟ is pulled, the system acts on all four wheels until the lever 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 "Autopark" function of the EPB automatically activates the electric parking brake after performing the ENGINE STOP function. The Autopark function is always active by default at KEY-ON: this means that the driver does not have to apply the parking brake at every ENGINE STOP.

However, the function can be temporarily deactivated before ENGINE STOP by pressing the **AUTO PARK** button on the dashboard: the pop-up with the message "PARK OFF" is displayed on the instrument panel for 5 seconds. In this case, after ENGINE

STOP, the parking brake must be engaged manually by pulling the lever with the symbol (Ⓟ).

To re-enable automatic activation of the EPB at the next ENGINE STOP, press the **AUTO PARK** button again when the vehicle is in KEY ON or ENGINE ON; the EPB will be automatically activated after the next KEY-OFF; the pop-up with the message "PARK ON" is displayed on the instrument panel for 5 seconds.

BEFORE A TRIP

Preliminary checks

Warning

Before setting off always check:
- the seat belts have been positioned and fastened correctly;
- the doors are closed;
- the seat and steering wheel are in the correct position;
- the external and internal rearview mirrors are in the correct position.

Check the following at regular intervals and always before long trips:
- tyre pressure and condition;
- levels of fluids and lubricants on the engine;
- condition of windscreen wiper blades;
- if the lenses of the external lights and all glazed surfaces are clean;
- check on the instrument panel that the warning lights and external lights work correctly.

Important note

In any case, it is advisable to perform these checks at least every 1000 km and always comply with the maintenance schedule found in the "Warranty Booklet".

STARTING THE VEHICLE

Important note

The buttons on the dashboard, steering wheel, roof panel dome light and doors are touch buttons. To execute a command, press the button until the indication or symbol changes status.

System start-up (KEY-ON)

When you perform a KEY-ON, the instrument panel and all the on-board controls (steering wheel, dashboard, etc.) are switched on: at the same time, a system diagnosis is carried out. During diagnosis, which lasts 5 seconds, a check is performed on the warning lights on the instrument panel and a check to see if there are any faults.

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 to on, even during diagnosis:
- Low engine oil pressure.
- Inertia switch triggered (shown in figure).
- DCT safety warnings.
- EPB deactivation warning, as described in "EPB - Electric parking brake". (see page 22)

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. For further information, see the "Maintenance Schedule" in the "Warranty Booklet".

At each KEY-ON, once the diagnostic cycle is complete, if applicable, a message is displayed to notify the driver if the alarm was activated due to an attempted break-in: see chapter "Anti-theft system".

Once the system check has been completed, the letter "P" (Parking) or "N" (Neutral) will be displayed in the gearbox area of the instrument panel.

Important note

If the gearbox warning light (!) does not turn off after diagnosis, indicating a fault in the gearbox (which is also indicated by a pop-up with a symbol and specific message), contact the FERRARI SERVICE NETWORK.

If a KEY ON is performed without switching on the engine and with a medium battery charge level:

- after two minutes a pop-up is displayed with the message "Battery voltage in discharge – please turn on the engine" accompanied by an acoustic signal;
- two more minutes later, the same pop-up is displayed accompanied once again by an acoustic signal;
- one minute after the last pop-up, the vehicle performs an automatic KEY OFF if the Parking Brake is engaged whereas if the Parking Brake is not engaged, a pop-up accompanied by an acoustic signal will appear every two minutes.

"Key-Less" ignition system

The FERRARI keys use a Keyless start system (see also specific warning sheet) which can be used to perform a PASSIVE ENTRY (access to the vehicle without unlocking using the button on they key) and a PASSIVE START (KEY-ON and ENGINE START) by simply placing the key inside the vehicle (including the luggage compartment) and doing the following. The dedicated ECU recognises the vehicle key by the electronic ID code it contains. The **ENGINE START/STOP** button on the steering wheel controls the KEY-ON, KEY-OFF, ENGINE START and ENGINE STOP functions.

- 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 press the **ENGINE START/STOP** button again WITHOUT pressing the brake pedal if the previous state was KEY ON; it can also be pressed if the previous state was ENGINE ON.
- ENGINE START: to switch on the engine, press down the brake pedal and press the **ENGINE START/STOP** button.

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.



If the key battery has a charge level that is only just sufficient, the vehicle informs the driver via a pop-up on the instrument panel with a message and recommends replacing the battery as soon as possible.

Warning

If the anti-theft system activation and central locking button on the key is pressed when inside the vehicle, the ENGINE START function is disabled. You must press the other button on the key to deactivate the alarm and unlock the doors; in this way, the ENGINE START function can be used again. This occurs even if the anti-theft system activation and door locking 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. When the anti-theft system deactivation and door opening command is given on any registered key, the ENGINE START function is reset.

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

- insufficient starter motor speed (flat battery);
- ignition system faulty;
- electrical contacts faulty;
- fuel pump fuses blown.

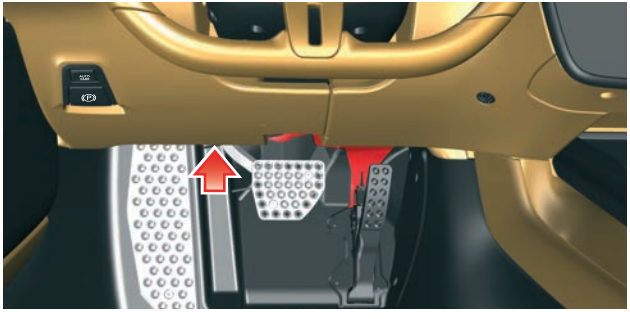
Warming up the engine

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

Alcohol interlock connector prewiring

The car is prewired to connect an alcohol interlock device.

The Alcohol interlock is a device that works just like a car breathalyser. If the driver's blood alcohol level is high, the system stops the engine from starting. The device works exactly like a breathalyser: once seated, the driver has to blow into the device. If the system detects an out-of-range value, then it prevents the driver from starting the engine which can only be started when the driver has a blood alcohol level that is within the permitted limits.



To purchase and install the device, as well as having more information on how it works, contact the FERRARI SERVICE NETWORK.

STARTING THE VEHICLE

Gearbox mode at start-up

The standard DCT gearbox transmission is "Automatic", as described in "Using the gearbox" (see page 26).

At each KEY-ON, the DCT gearbox is in "Auto easy exit" mode unless the vehicle was in "Automatic" or "Manual" mode when the engine was turned off.

The DCT has an electro-hydraulically controlled gearbox system that uses paddles on the steering wheel for manual gearshifting.

To exit the "Auto easy exit" mode, simply use the **UP** or **DOWN** paddles behind the steering wheel (while the vehicle is moving) or (when the vehicle is stationary) press the central lever of the gearbox selector to activate the "Automatic" or "Manual" mode as described in the relevant paragraphs.

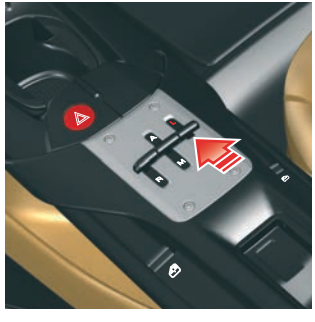
With the engine started, the vehicle stationary and the brake pedal pressed, pull the right-hand **UP** paddle towards the steering wheel and release it to engage 1st gear.

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

With the engine running and the vehicle stationary, you can go directly from 1st gear to "R" (reverse) by using the gearbox selector as described in "Selecting "R" (reverse)" (see page 28). Under the same conditions, you can go from "R" to 1st gear by pulling the **UP** paddle towards the steering wheel and releasing it.

Warning ⚠

If the **"UP"** and **"DOWN"** paddles are not working, a pop-up will appear on the instrument panel with the message "Depress brake pedal and press LAUNCH to engage gear". You can therefore engage 1st gear by pushing the RH lever of the gear selector to **L** and releasing it and pressing the brake pedal at the same time. In these cases, the "Launch Control" is not available. If the gear engaged was R, repeat the above procedure twice to engage 1st gear.



Push start

Warning

Push starting is not allowed.

USING THE GEARBOX

Using the gearbox in "Manual" mode

To set the gearbox "Manual" mode, pull the central lever of the gearbox selector on the centre console onto M and release it so that it goes back into its initial position: the M on the gearbox selector will turn red. This mode is indicated on the gearbox area of the instrument panel by a number or letter corresponding to the selected gear: **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8** and **N** without **AUTO**.





To upshift or downshift, use the **UP** and **DOWN** paddles behind the steering wheel.



Important note

Immediately release the **UP** and **DOWN** paddles as soon as the selected gear is displayed in the gearbox area of the instrument panel; if held too long, the red gearbox failure warning light will come on and an acoustic signal will be emitted.

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.

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 over-revving.

In any event, it is advisable to:

- shift gears without releasing the accelerator pedal if pressed;
- wait until gearshifting has been completed before requesting the next shift, avoiding a rapid sequence of multiple requests.

UP-shifting due to overrevving

The system automatically engages a higher gear if the accelerator pedal is pressed and the engine approaches the "runaway speed rate" (over-revving).

Important note

UP-shifting due to overrevving will not occur with the Manettino set to "SPORT", "RACE" or "ESC OFF" 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 under-revving.

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).

The DOWN-shift request from the paddle is ignored if gearshifting is already in progress due to engine under-revving.

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.

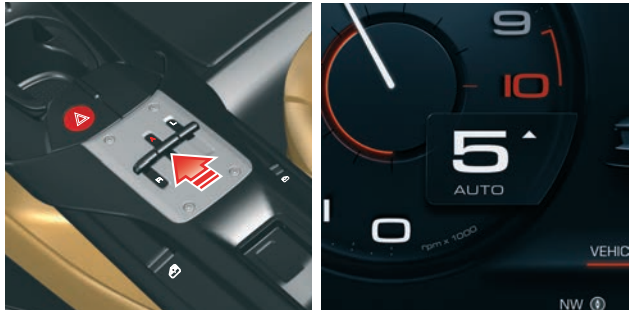
Using the gearbox in "Automatic" mode

The standard DCT gearbox transmission is "Automatic".

To set "Automatic" mode, push the central lever of the gearbox selector on the centre console towards **A** and release it so that it goes back into its initial position: the **A** on the gearbox selector will turn red.

When this mode is activated, the word **AUTO** appears in the gearbox area on the instrument panel underneath the number corresponding to the selected gear.

To exit "Automatic" mode, move the central lever of the gearbox selector until **A** on the gearbox selector and **AUTO** on the instrument panel go out.



When "Automatic" mode is selected, the system automatically shifts UP and DOWN in relation to vehicle speed, engine speed and the torque/power requested by the driver.

When in "Automatic" mode, you can still manually shift gears using the **UP** and **DOWN** paddles. The gearbox will remain in "Automatic" mode and the word **AUTO** will appear in the gearbox area 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

At each KEY-ON, the vehicle starts up in "Auto easy exit" mode unless it was in "Automatic" or "Manual" mode when the engine was turned off. In this case, at the next KEY-ON, it remains in the mode it was in before KEY-OFF.

Activation of the "Auto easy exit" mode is signalled by the word **AUTO** and an arrow ▽ in the gearbox display area.

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 "Auto easy exit" mode and switch to "Manual" mode, simply use the **UP** or **DOWN** paddle (while the vehicle is moving) or (when the vehicle is stationary) pull the central lever of the gearbox selector towards **M** and release it: the **M** will turn red and the word **AUTO** will no longer be displayed in the gearbox area.

If, on the other hand, you want to set the "Automatic" mode, push the central lever of the gearbox selector towards **A** as stated above. The system will implement "Automatic" mode in full.

"N" (Neutral) request

With the engine running, pull both the **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 in the driving modes that the gearbox is used in, the system will engage the gear most suited to the speed of the vehicle.

During prolonged stops with the engine running, we recommend putting the vehicle into "N" (neutral).

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.

Stopping the vehicle

When the vehicle stops, the system automatically engages 1st gear unless Neutral has already been requested. When the vehicle is stationary while the engine is running, keep the brake pedal depressed until you are ready to move off again.

SELECTING REVERSE GEAR - R

To select reverse gear, pull the LH lever of the gear selector towards **R** and release it so that it goes back into its initial position. The letter **R** appears in the gearbox area of the instrument panel and **R** lights up in red on the selector to indicate that reverse has been selected.

Reverse gear must always be selected when the vehicle is stationary and the brake pedal pressed.

Important note

When reverse is selected, an acoustic safety signal beeps intermittently as long as "R" (reverse) is engaged.



SWITCHING OFF THE ENGINE AND VEHICLE SYSTEM

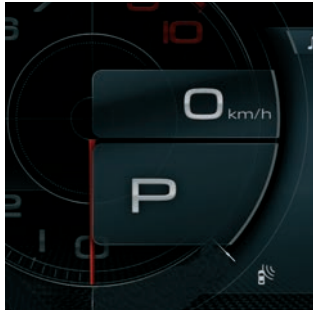
Switching off/stopping the engine

Warning

Press **ENGINE START/STOP** on the steering wheel to activate the ENGINE STOP function: if it is running, the engine stops.

If the engine has to be stopped while the vehicle is moving, press the **ENGINE START/STOP** button and hold it down for at least 2 seconds.

In this way, the engine can be switched off with the gearbox either in "N" or with a gear engaged. After the ENGINE STOP function has been activated, the instrument panel remains on for a few seconds and indicates which gear is engaged. If the gearbox is in "N", an acoustic alarm that lasts 15 seconds is emitted and a pop-up appears with the message "Gearbox not in Parking position". Before switching off, the letter **"P"** is displayed on the instrument panel to inform the driver that the Park Lock has been activated.



For information on the Park Lock, see chapter "Park Lock".

Warning ⚠

Never leave the vehicle with the gearbox in "N". Always make sure that the letter "P" (Parking) appears in the gearbox area of the instrument panel. If the Park Lock system is not working properly (gearbox locked in "N" position), contact the FERRARI SERVICE NETWORK.

Warning ⚠

NEVER leave the vehicle without activating the ENGINE STOP function.

If the driver unfastens the seat belt, opens the driver-side door, closes it and walks away with the car key when the engine is still running, the horn sounds 5 times to warn the driver that the engine must be switched off. If the vehicle remains stationary with the engine running for more than 20 minutes without using the brake or accelerator, a pop-up is displayed on the instrument panel with the message "Turn OFF engine" and a 30 second countdown begins. When the countdown has ended, a loud acoustic signal is emitted. Switch off the engine by performing the ENGINE STOP function 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.

Switching off the vehicle system (KEY-OFF)

After performing the ENGINE STOP function or KEY-ON, you must performing a KEY-OFF by pressing the **ENGINE START/STOP** button on the steering wheel to switch off the vehicle system.

Warning ⚠

KEY-OFF is only performed correctly if the engine has been switched off.

DIMENSIONS AND WEIGHTS

Tables 12Cilindri

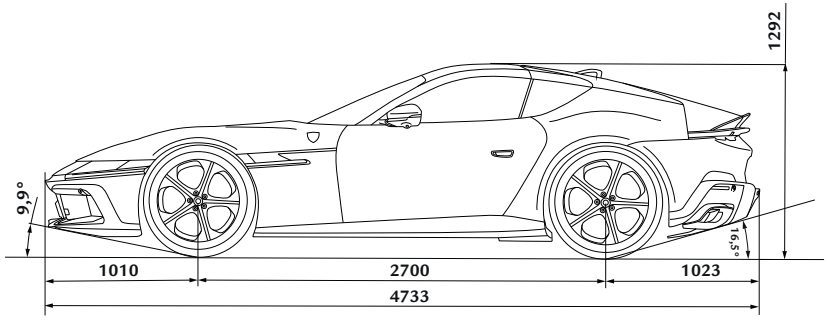
Wheelbase	2700 mm
Max. length	4733 mm
Max. width	2000 mm
Max. width (with rear-view mirrors unfolded)	2176 mm
Max. height	1292 mm
Max. height with lift system (optional) activated	1300
Front track	1686 mm
Rear track	1645 mm
Front overhang	1010 mm
Rear overhang	1023 mm
Front ramp angle	9.9°
Rear ramp angle	16.5°
Minimum height off the ground	123 mm
Luggage compartment capacity	270.4 l
Luggage compartment capacity with High End Audio (optional)	250 l

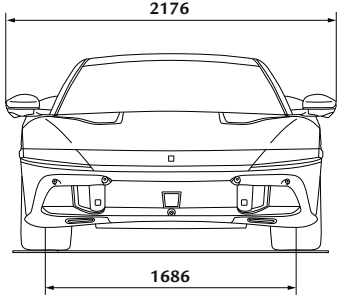
Kerb weight	1835 kg **
Total maximum allowable mass Front axle Rear axle	2080 kg 935 kg 1150 kg
**with standard version and driver	

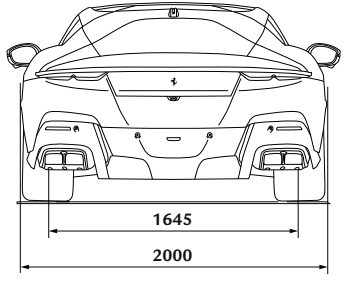
Tables 12Cilindri Spider

Wheelbase	2700 mm
Max. length	4733 mm
Max. width	2000 mm
Max. width (with rear-view mirrors unfolded)	2176 mm
Max. height	1292 mm
Max. height with lift system (optional) activated	1300
Front track	1686 mm
Rear track	1645 mm
Front overhang	1010 mm
Rear overhang	1023 mm
Front ramp angle	9.9°
Rear ramp angle	16.5°
Minimum height off the ground	123 mm
Luggage compartment capacity	201.4 l
Luggage compartment capacity with High End Audio (optional)	181 l

Kerb weight	1895 kg **
Total maximum allowable mass Front axle Rear axle	2130 kg 960 kg 1180 kg
**with standard version and driver	


1292
9,9°
16,5°
1010
2700
1023
4733


2176
1686


1645
2000

TOOL KIT AND TYRE INFLATION AND/OR REPAIR KIT



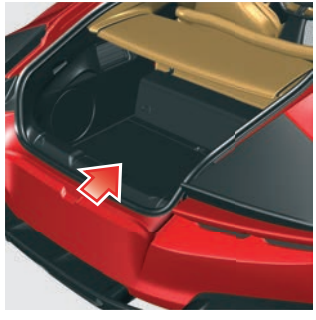
The tool kit and emergency tyre inflation and repair kit are stored in the luggage compartment.

EQUIPMENT SUPPLIED

Warning

Before carrying out any maintenance work, technical support and/or inspection work on the vehicle, always make sure that KEY-OFF has been performed correctly.

The took kit supplied with the vehicle is kept in the luggage compartment and can be accessed by lifting the rear part of the mat in the bottom using the special handle.





The tool kit contains the following tools needed for emergency repair jobs:

- tow hook;
- funnel for emergency fuelling;
- screwdriver for slotted and crosshead screws;
- Park Lock emergency release tool.
- emergency tyre inflation and repair kit (where available) consisting of compressor and 400 ml bottle containing the liquid sealant.



Warning

Repair work using the tool kit requires:

- suitable protective equipment (e.g. gloves)
- suitable precautions to be taken and minimum specific skills when working in contact with electrical parts/components (e.g. battery, replacement of a fuse, etc.).

Warning

The Park Lock emergency release tool may only be used by specialised workshop technicians, as indicated on the label on the tool kit.

Tyre inflation/repair kit

The kit contains the following items:

- compressor;
- 400 ml bottle containing the liquid sealant;
- instruction booklet.



IN CASE OF A TYRE PUNCTURE

Useful accessories

In addition to the tools supplied with the vehicle, the hazard warning triangle and fluorescent safety jacket should always be kept on board in order to signal hazardous situations in compliance with traffic regulations.

Emergency tyre repair and inflation kit

The kit components are kept in a space underneath the rear luggage compartment; The kit can be used in the event of a puncture or low pressure of a tyre to repair and/or inflate the tyre sufficiently to continue the journey safely.

Important note

To use the tyre repair and inflation kit correctly, refer to the instruction booklet provided with the kit.

Warning

Give the instruction manual supplied with the kit to the personnel that will handle the tyre repaired with the tyre repair kit.

Warning

If damaged by foreign objects, tyres can be repaired with cuts of up to 4 mm in diameter on the tyre tread and shoulder.

Warning

Punctures cannot be repaired on the sides of the tyre. Do not use the tyre repair kit if the tyre has been damaged after driving with a flat tyre.

Warning

Damage to the wheel rim that causes air leaks cannot be repaired. Do not remove foreign objects (screws or nails) that have penetrated the tyre.

Warning

After using the repair kit, the vehicle must be considered in an emergency situation: drive with the greatest care (maximum permissible speed 80 km/h).

Warning

Apply the sticker supplied with the kit where it can easily be seen to indicate to whoever will be doing the repair work that the tyre has been treated with the tyre repair kit. Drive carefully especially on bends. Avoid sudden accelerations or braking.

Warning

The kit can be used to temporarily repair only one tyre punctured by small objects: the kit may not be useful if there are large punctures or tearing.

Important note

After driving for approximately 10 minutes, stop and recheck the tyre pressure. Remember to apply the parking brake.

Warning

If pressure has dropped to below 1.8 bar, stop driving: the kit cannot guarantee the correct hold because the tyre is too damaged. Contact the FERRARI SERVICE NETWORK.

If, on the other hand, the pressure is at least 1.8 bar, pump the tyre up to the correct pressure and continue driving. Drive very carefully to the nearest FERRARI SERVICE NETWORK centre.

Warning

The repaired tyre must be replaced as soon as possible and the workshop personnel must be informed that the tyre was treated with tyre repair fluid.

Warning

Keep the kit in its box and out of children's reach.

Do not inhale or swallow the fluid in the bottle and avoid contact with the skin and eyes.

Warning

The bottle contains ethylene glycol and latex.

The latex may cause an allergic reaction, is harmful if swallowed and is irritating to eyes. May cause sensitisation by inhalation and skin contact. Avoid contact with eyes, skin and clothing. In case of contact, rinse immediately with plenty of water. If swallowed, do not induce vomiting, rinse mouth, drink plenty of water and seek immediate medical advice. Keep out of reach of children. The product should not be used by asthma sufferers. Do not inhale vapours during use. In the event of an allergic reaction, seek immediate medical advice. Store the bottle in the tool kit in the front compartment on the RH side away from sources of heat.

The liquid sealant has an expiry date: the expiry date is indicated on the kit bottle.

Environment

Replace the tank containing the expired liquid sealant. Do not dispose of the tank and sealant in normal domestic waste. Dispose of in accordance with national and local regulations or ask the FERRARI SERVICE NETWORK to take care of disposal.

Warning

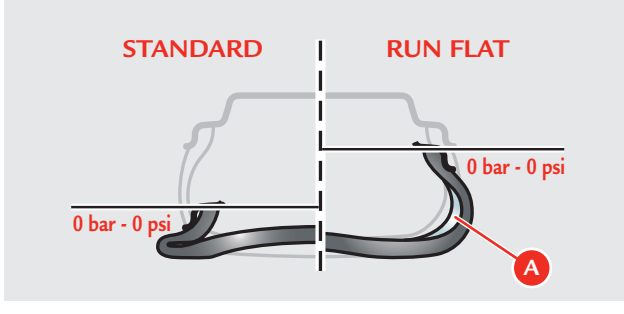
The sealant in the kit tank can damage the sensor inside the wheel rim on vehicles fitted with a tyre temperature and pressure monitoring system (TPMS). If this occurs, the sensor must be replaced. Contact the FERRARI SERVICE NETWORK.

Warning

Wear the protective gloves supplied with the vehicle.

Run Flat tyres (optional)

The vehicle can be fitted with "Run flat" tyres, if required. This type of tyre has a reinforced side **A** which allows the vehicle to continue travelling at moderate speed (80 km/h), even after a puncture, for a specific distance (80 km).



When the instrument panel receives the "tyre puncture" information from the tyre pressure and temperature monitoring ECU, it calculates the residual tyre life, and displays a pop-up with a warning after 40 km.

After 80 km, a message warning the driver to stop the vehicle will be displayed (for further information, see the chapter "Tyre pressure and temperature monitoring system - TPMS" .

Warning

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

Warning

If you are going to use standard tyres on a vehicle that was originally equipped with "Run Flat" tyres, you must contact the Ferrari Service Network to have the system that controls the warnings on the instrument panel reprogrammed.

Environment

Maintaining correct tyre pressure helps to improve tyre rolling and reduce fuel consumption.

REPLACING A WHEEL

Warning

The procedure to change a wheel is very delicate and must only be performed by expert personnel using the necessary tools.

Have this procedure carried out by a Ferrari Service Centre.

Important note

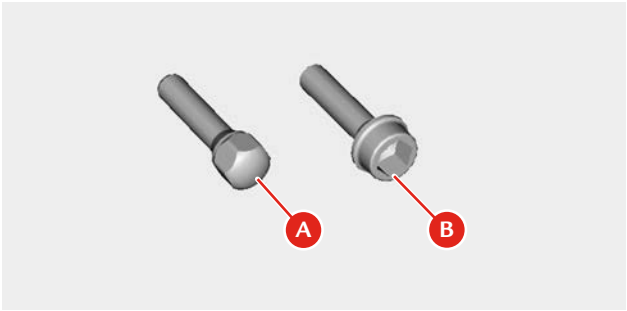
If one or more wheels need to be replaced, proceed as follows:

- replace any wheel stud bolts with damaged threads or tapers
- carefully clean only the stud bolt thread before refitting (do not remove the solid lubricant on the taper);
- do not lubricate the contact surfaces between the stud bolt and the wheel rim and between the wheel rim and the brake disk.

To prevent damage to the anti-seize coating, do not clean the conical wheel and stud seats to preserve the solid lubricant which may have been transferred from the stud bolt to the wheel.

When refitting, tighten the stud bolts with a torque wrench to a torque of:

- 120 Nm for steel stud bolts A;
- 150 Nm for titanium stud bolts B.



Important note

If the wheel is replaced, use new stud bolts. New stud bolts can be used on an old wheel.

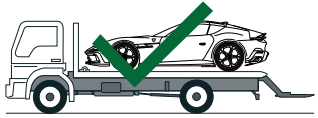
TOWING

Warning

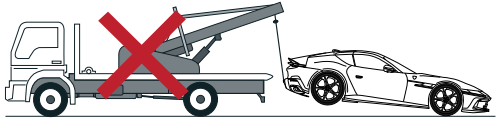
Towing is not allowed. Towing can cause serious damage to the vehicle.

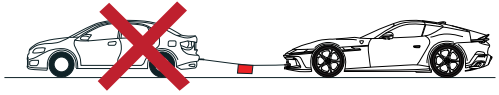
Warning

Use of the tow hook provided is only allowed in an emergency to load the vehicle onto the ramp of a breakdown truck or trailer.



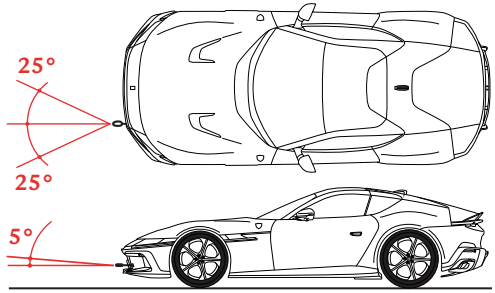






Important note

Maximum angles of tow of the tow hook in the two tow levels: 25° and 5°.



Do not use any parts of the vehicle as tow points other than the tow hook tightened correctly into the threaded seat in the front bumper.

Proceed as follows:

- select the tow hook from the tool kit;
- remove the protective cover cap from the tow hook seat on the left hand side of the bumper;
- tightly screw the tow hook into the socket on the front bumper;
- release the EPB parking brake;
- 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 power steering does not work when the engine is switched off.

EMERGENCY RELEASE OF THE ELECTRIC PARKING BRAKE - EPB

This procedure is required when the electric release button cannot open the EPB callipers and a warning light and pop-up appears on the instrument panel with the special symbol and the message "EPB failure. Only manual unlock allowed. See manual."

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.

If the vehicle needs to be moved but the EPB cannot be disengaged due to a flat battery or a failure in the electrical system controlling the parking brake, the emergency release procedure must be performed by a FERRARI SERVICE NETWORK centre.

PARK LOCK EMERGENCY RELEASE

Warning

The Park Lock must only be released using the special tool after checking that the parking brake has been applied and is an operation that must only be carried out by specialised workshop technicians. We recommend contacting a FERRARI SERVICE CENTRE.

Warning

This should be avoided unless absolutely necessary:

- to tow the vehicle onto a recovery vehicle;

- if there is a Park Lock failure (the following message is shown on the instrument panel: "Only manual unlock gearbox allowed: See manual".

Warning

When the Park Lock safety device is released 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 can be accessed via an opening in the bottom of the luggage compartment.

To perform the Park Lock emergency release procedure, do the following:

- lift the rear part of the luggage compartment using the special strap to access the tool kit and take out the indicated wrench;
- lift the front part using the slot in the luggage compartment to access the gearbox release hole.

Warning

The release wrench may only be used by specialised workshop technicians, as indicated on the label on the tool kit.

- place the release wrench in the manual release device housing.
- to perform the emergency release, turn the release wrench counterclockwise for a quarter turn.



If the electrical system allows it, switch on the instrument panel and check in the gearbox area that the letter "N" appears together with the message: "Gearbox not in P position". At the same time, an acoustic signal is repeated four times to indicate that the Park Lock has been released.

LIFTING THE VEHICLE

Warning

Given the special shape of the undertray, access to the support points for lifting is not easy: to lift the vehicle, contact the FERRARI SERVICE NETWORK which has suitable equipment to work in complete safety.

If the vehicle has to be lifted following an accident or in order to carry out emergency repair work, we recommend passing on the following information to the people who will be carrying out the work.

Warning

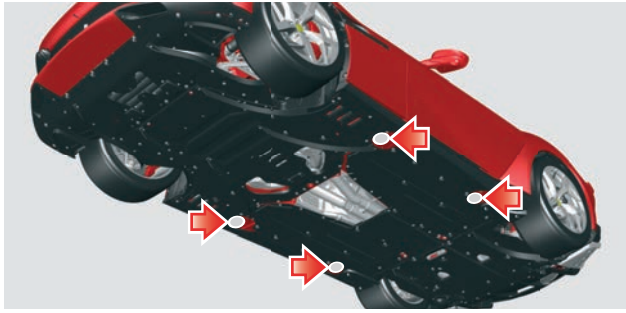
To lift the vehicle, use only the support points indicated below.

Failure to comply with the above may pose a risk of serious injury to people working on the vehicle.

Warning

Be very careful when lifting the vehicle to avoid damaging the parts near the support points.

To lift the vehicle, use the points shown in the figure.



TOWING THE VEHICLE WITH THE WHEEL AXLE LIFTED

This may only be done by skilled staff. Always lift the rear wheel axle only. Make sure that the front wheels are in a straight line.

LOADING THE VEHICLE ONTO THE TRAILER

- Manually release the Park Lock.

Important note

If possible, use the Carwash procedure.

- Release the electric parking brake (EPB).

Warning

Do NOT pull the vehicle onto the trailer using the wheel spokes as anchors to avoid damaging the wheels.

Warning

Do NOT attach the straps to the suspension or parts of the bodyshell.

- Attach the winch cable to the tow hook to pull the vehicle onto the trailer.

Warning

DO NOT attach the winch cable to other parts of the vehicle.

Warning

Do NOT pull the vehicle onto the trailer using only the tow hook but lift it using the special straps.

Warning

Do not use excessive force on the tow hook when lifting and pulling the vehicle onto the trailer.

- The use of ramps or wooden planks may be necessary if there is limited space in front of or behind the vehicle.

Carwash procedure

The Park lock device can be temporarily disabled 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.

Carry out the Carwash procedure as follows:

- with the engine running, select the first gear;
- select neutral "N";
- turn off the engine;
- activate the instrument panel (KEY-ON) within 3 seconds of switching off the engine.

The message "Carwash mode activation" will appear on the left hand TFT display.

SECURING THE VEHICLE TO THE TRAILER

- Secure the vehicle to the trailer with special straps using the wheels as anchors and the most suitable device for ensuring it is correctly secured.

Warning

Do NOT attach the fastening straps to the suspension or parts of the bodyshell.

Warning

Make sure that the metal parts of the straps do not come into contact with the bodywork.

- Once the vehicle has been secured to the trailer, remove the key.

Important note

Check that the passenger side door is closed properly since it may have been left open during emergency closing with a flat 12V battery.

ON-LINE TECHNICAL INFORMATION AND TECHNICAL SUPPORT

The documentation required for the maintenance and repair of FERRARI vehicles can be accessed online at **https://www.techinfo.ferrari.com/**.

The repair and maintenance work on FERRARI vehicles contained in the technical information bulletins published on the site must be performed exclusively by independent car repairers who have the necessary expertise and tools and Ferrari S.p.A. shall not be held liable for any work that is performed using these technical information bulletins incorrectly.

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