


MASERATI



2017 Maserati Levante M161

Quick Reference Guide

Table of contents M161



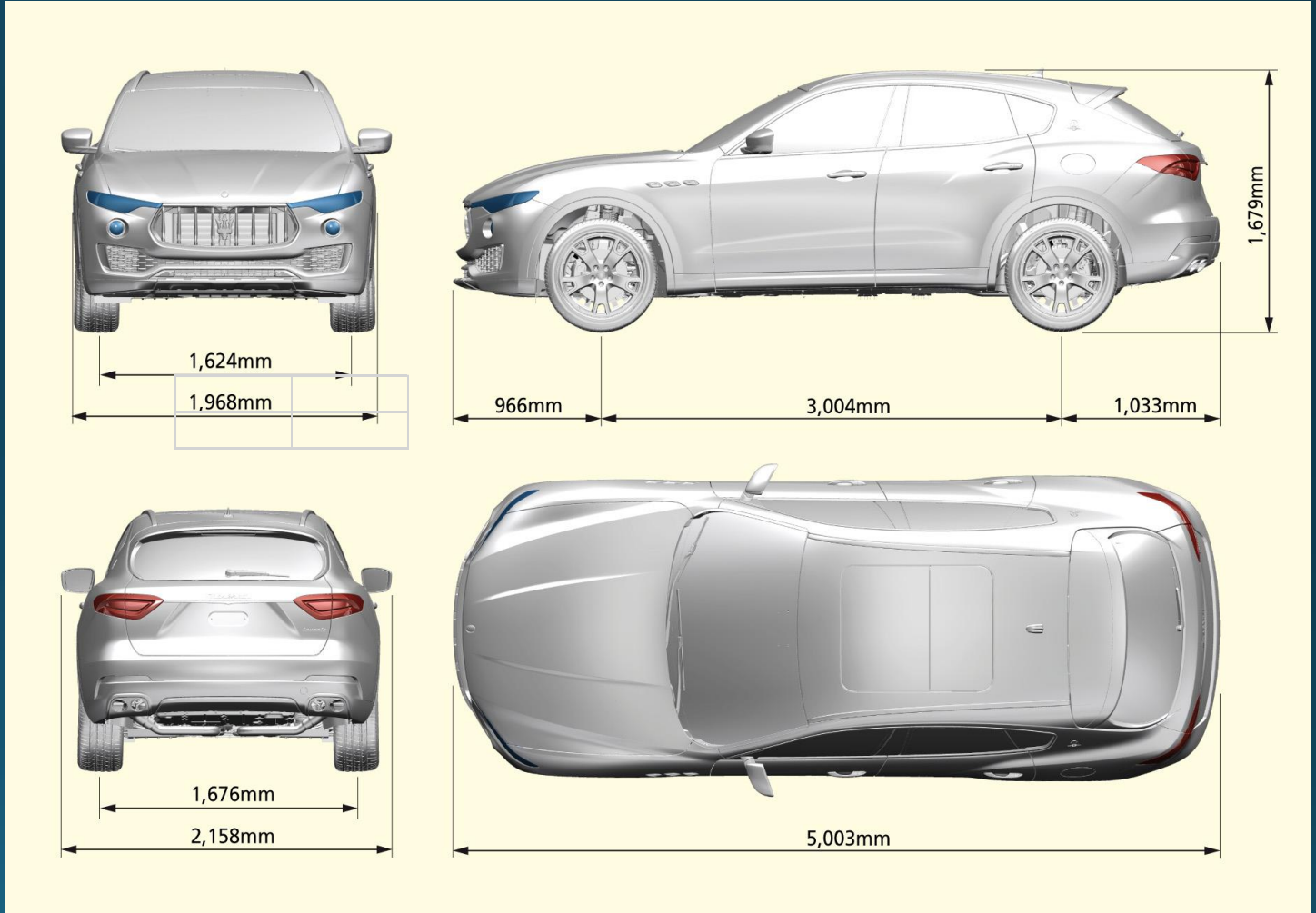
Dimensions and Weight -----	pg.3	Transmission park gear override -----	pg.18	Overhead console and mirror -----	pg.29
Vehicle Ignition / remote keys -----	pg.4	Electronic Parking brake -----	pg.19	Interior components seats -----	pg.30
Vehicle Key Fob -----	pg.5	Fuel / Fuel filling -----	pg.20	Easy Entry / Rear seats -----	pg.31
Vehicle security alarm system -----	pg.6	Vehicle lift points -----	pg.21	Interior components continued -----	pg.32
Engine Hood operation -----	pg.7	Important warnings and symbols -----	pg.22	Steering wheel adjustment -----	pg.33
Active Grille shutter -----	pg.8	Power liftgate operation -----	pg.23	Ride height selection -----	pg.34
Engine component guide -----	pg.9	Interior dashboard components -----	pg.24	Vehicle suspension system -----	pg.35
Levante tool kit -----	pg.10	Dashboard instruments and controls ----	pg.25	Suspension operations -----	pg.36
Towing of the vehicle -----	pg.11	Center console components -----	pg.26	Start&Stop system -----	pg.37
Battery jump points (under hood) ----	pg.12	Interior components front doors -----	pg.27	Vehicle drive modes -----	pg.38
Battery location -----	pg.13	Interior components rear doors -----	pg.28	Collapsible spare tire -----	pg.39
Fuse box locations -----	pg.14			Notes -----	pg.40
Power Distribution units -----	pg.15				
Vehicle fuse position and function ---	pg.16				
Automatic transmission lever -----	pg.17				

Dimensions and Weight



Dimensions	Mm	Inches
Length	5,003mm	196.9in
Width with out mirrors	1,968mm	77.4in
Width with mirrors	2,158mm	84.9in
Height	1,679mm	66.1in
Wheelbase	3,004mm	118.2in
Front track	1,624mm	63.9in
Rear track	1,676mm	65.9in
Front overhang	966mm	38.0in
Rear overhang	1,033mm	40.6in
Ground Clearance	208mm	8.1in

Weights	Kg	lbs
Curb Weight	2,109kg	4,649lbs



Vehicle Ignition / Remote Keys

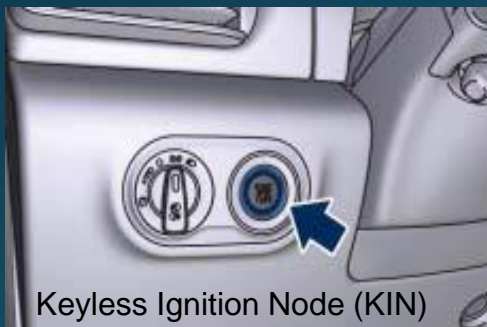


The vehicle is equipped with a Remote Keyless Entry transmitter and a Keyless Ignition Node, to enter, start or disarm the alarm system.



Keyless Ignition Device

Can operate the ignition switch with the push of a button, with Key inside vehicle.



The Keyless Ignition Node (KIN) has three operating positions indicated on the outer ring. Pressing and releasing the middle button, you can switch from one position to the next without starting the engine, the switched on indication will turn amber. The engine will start by pushing the center button **START/STOP** with the brake pedal pressed and the device set in any of the three operating positions.



In case the ignition switch does not operate by pushing a button, the RKE transmitter (key fob) may have a low or discharged battery. If this occurs it is necessary to replace the battery in order to operate the ignition switch. It is still possible to operate the ignition switch using the key fob RKE transmitter with discharged battery by pressing the nose side (side opposite of the emergency key) of the key fob on the **START/STOP** button. (shown in the picture above).



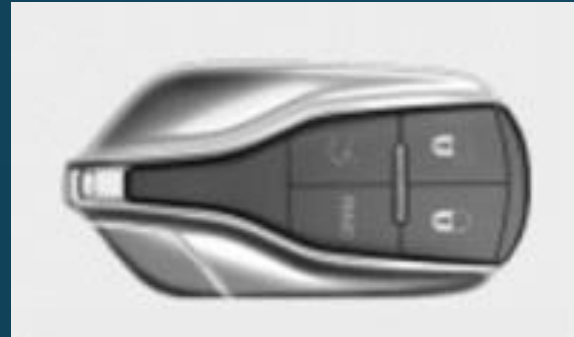
Vehicle Key Fob



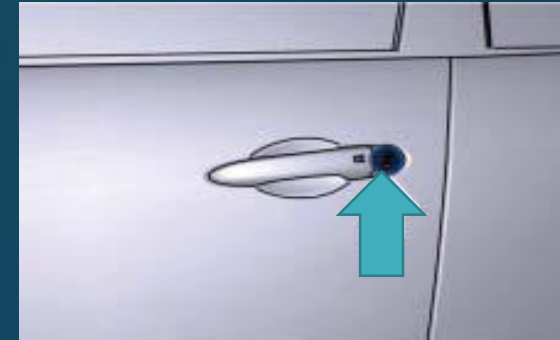
Key fob

This vehicle is provided with two programmed key fobs. The key fob contains a Remote Keyless Entry (RKE) transmitter and an emergency key that is inserted in to the remote.

The emergency key allows you to open the vehicle by inserting into the lock of the handle on the driver's door, in case the battery of the vehicle or the key fob is discharged.



Key Fob



Door lock cylinder

You can keep the emergency key with you when using valet parking.

To remove the emergency key:

- Hold the mechanical latch on the back of the key fob sideways;
- Simultaneously remove the emergency key by sliding away from the end of the key fob.



Emergency mechanical Key

Reminder of Ignition position

Opening the driver's door to exit the vehicle when the ignition device is set in **ACC** or **RUN** (engine not running), an acoustic signal will remind you to cycle the ignition to **OFF**. In addition to the acoustic signal, a dedicated message is displayed on the instrument cluster. If the ignition device is left in the **ACC** or **RUN** position, when vehicle is locked the system will turn off the instrument cluster and automatically set the ignition device to **OFF**.



Vehicle Security Alarm



The vehicle security alarm monitors the vehicle doors and liftgate for unauthorized entry and the **START/STOP** button for unauthorized activation. The system includes a dual Function anti-intrusion sensor and vehicle anti-lift sensor. The anti-intrusion sensor monitors the vehicle interior for motion. The vehicle anti-lift sensor monitors the vehicle for any lifting or tilting actions (tow away, tire removal, etc.) A siren with battery backup which senses interruptions of power and communications is also included.

While the vehicle security alarm is enabled, interior door locks, power liftgate and fuel filler door release are disabled. If something triggers the alarm, the vehicle security alarm will provide the following audible and visible signals: intermittent buzzer, position lights and/or turn signals and the vehicle security light on the dashboard will flash.

This light will fast flash for approximately 15 seconds, when the vehicle security alarm is being armed, and will then flash slowly until the vehicle is disarmed.(shown in the photo below)



Rearming the system

If something triggers the security alarm, and no quick action is taken to disarm it, the vehicle security alarm will turn off the beeper after 30 seconds, and turn off all of the visual signals after 30 more seconds; the vehicle security alarm will then rearm itself.

- Arming the system
- Make sure the vehicle ignition switch is OFF.

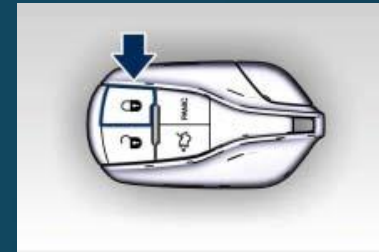
- Perform one of the following methods to lock the vehicle:
- Press the lock button on the interior power door lock switch located on the driver door trim panel with the driver and/or passenger door open.



- Press the button on the exterior "Passive Entry" door handle having a valid key fob RKE transmitter in the same exterior zone



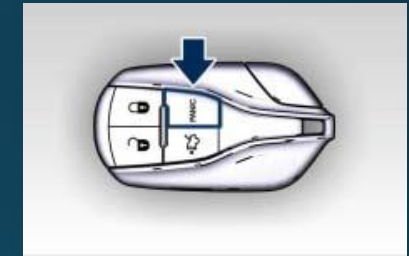
- Press the lock button on the key fob RKE transmitter.



- If any door is open, close it. In any of these situations, if one or more windows are open, they will remain open.

Using the Panic Alarm (if equipped)

To turn the panic alarm feature on or off, press and hold the button on the key fob RKE transmitter for at least one second and release.



To disarm the System

- Use any of the following steps to disarm the vehicle security alarm.
- Press the button on key fob RKE transmitter.
 - Grasp the "Passive Entry" unlock door handle • Press the **START/STOP** button so as to release the **OFF** position.

NOTE: When the vehicle security alarm is armed, the interior power door lock switch will not allow unlocking of the doors.

Engine Hood Operation



Opening

Two latches must be released to open the hood.

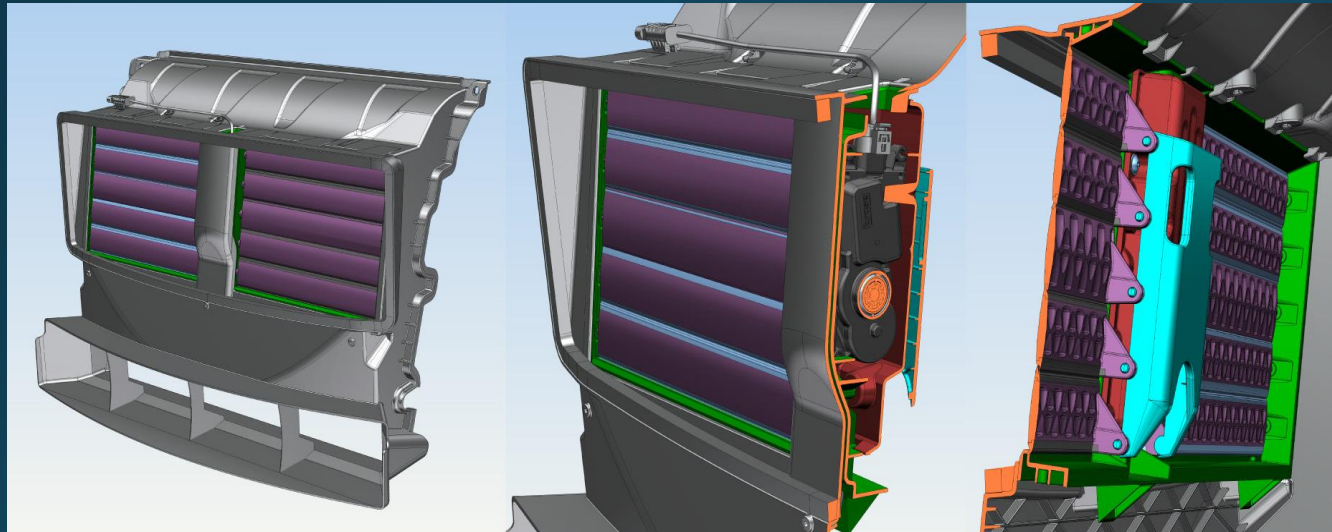
- From inside the vehicle, pull the hood release lever located on the drivers side under the dashboard.
- Slightly lift the hood and push the safety catch as indicated by the arrow. The safety catch is located in the center of the hood.
- Lift the hood completely: this operation is facilitated by two gas struts keeping the hood in the fully open position.



Active Grille Shutter (AGS)



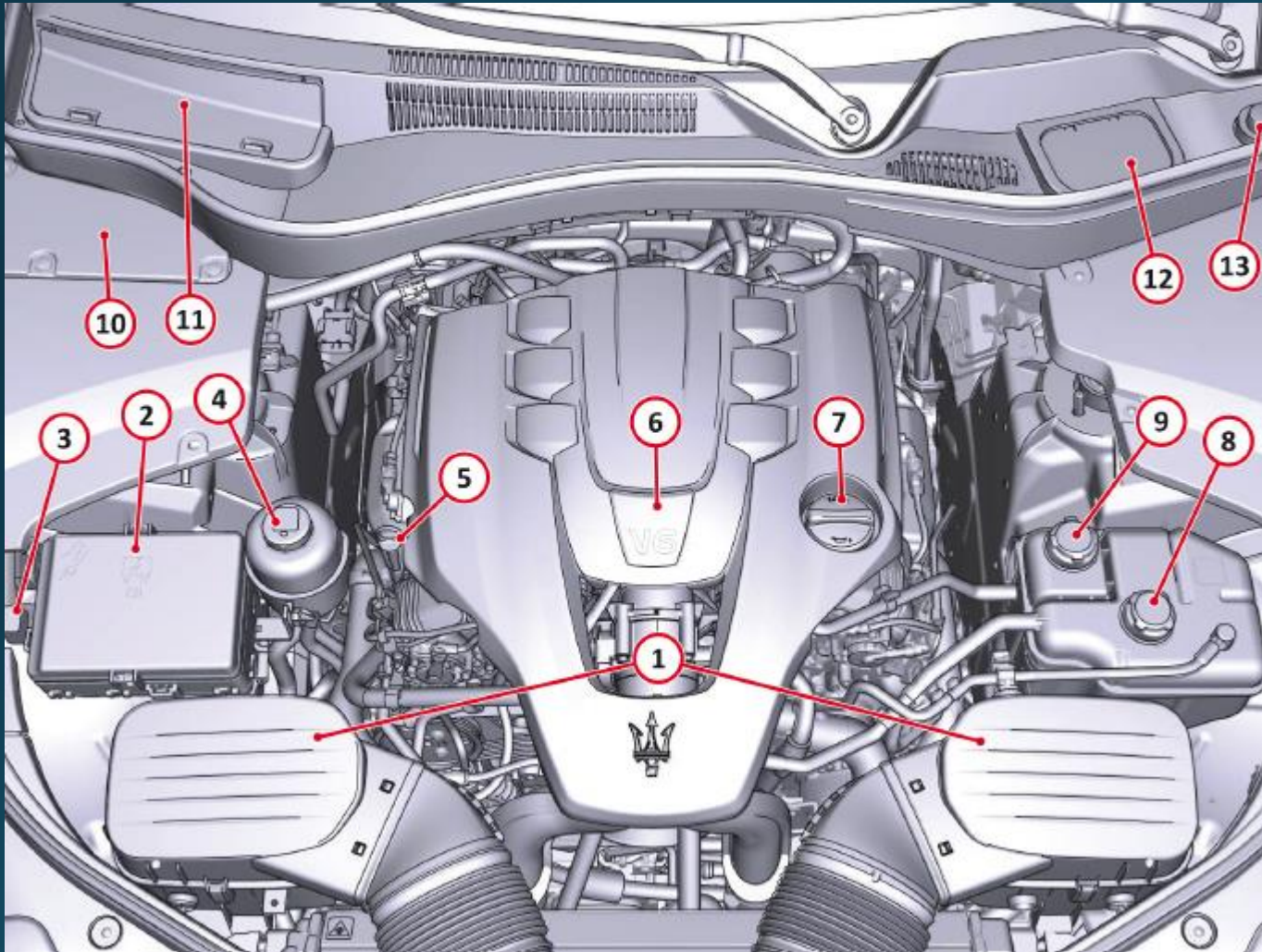
Electronically-controlled air shutter, located in front of the heat exchangers group. Closing the shutter improves the aerodynamics of the vehicle and also dampens the noise emitted from the engine compartment. The shutter mechanism is made up of 10 flaps, placed to the left and right of the central electrical actuator that controls their mechanically synchronized motion.



Note that, after a battery disconnection or removal or replacement of the shutter actuator, the actuator will automatically perform an opening/closing cycle to self-learn the flap position.

WARNING: Never attempt to move the shutter flaps manually. This could possibly cause damage to the AGS operation and personal injury

Engine Component Guide



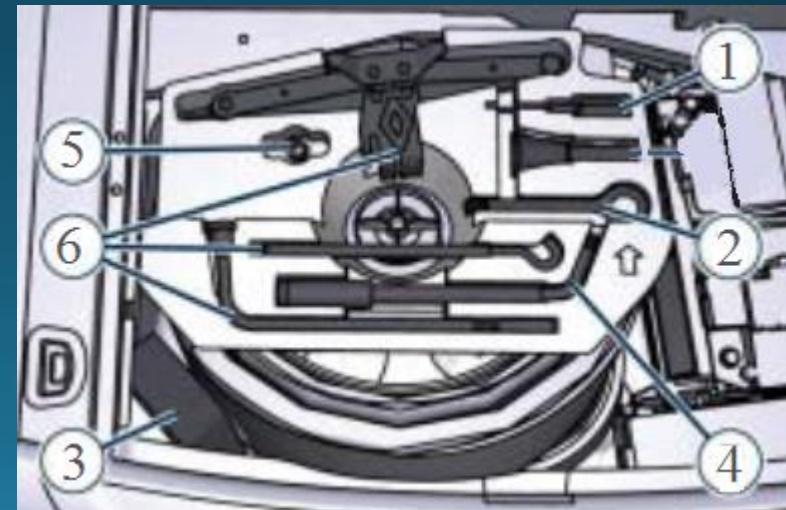
1. Air filter housing
2. Front Distribution Unit (FDU) housing fuses and relays
3. Engine compartment battery positive
4. Power steering fluid reservoir
5. Oil level dipstick
6. V6 logo: grey for the 350hp version and blue for the 430hp version
7. Oil filler cap
8. Reservoir for primary coolant circuit (engine cooling)
9. Reservoir for secondary coolant circuit (transmission and power steering cooling)
10. Cover for access to engine ECU (ECM)
11. Interior air filter cover
12. Brake fluid reservoir cover
13. Filling cap for windscreen washer fluid



Levante tool kit

The tools inserted in the trunk container are the following:

Ref.	Description
1	Double torx + cross-head screw driver
2	Emergency tow hook
3	Electric compressor complete with pressure gauge for inflating the compact spare wheel
4	Extended wrench with rubber coated handle for unscrewing / tightening the wheel nuts
5	Adapter for wheel extended wrench
6	Jack set



Towing of the Vehicle



A screw-in type towing eye is provided with the vehicle. In case it is necessary to tow the vehicle, screw the towing eye completely into the towing eye attaching point. The Levante is equipped with two attaching points for the towing eye, one at the front and one at the rear.

Make sure the following conditions are respected when the vehicle is to be towed:

- Engine off
- Ignition in “RUN”
- Electronic Parking Brake (EPB) disengaged (see pg.19)
- Gearbox in neutral position (see pg.18)
- Select “Transport mode” (see pg.36)

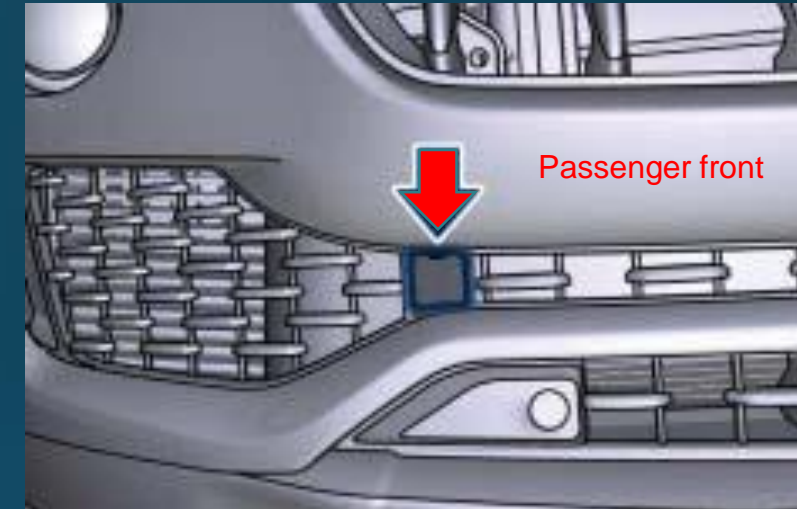
A disabled vehicle should be transported on a flatbed truck.

If a flatbed is not available, the vehicle can be towed with all four wheels on the ground.

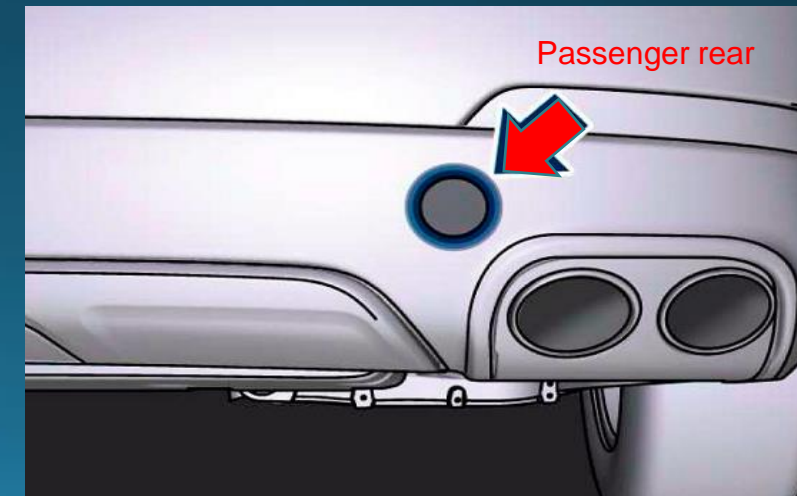
NOTE: Maximum speed of 30 mph and a maximum distance of 30 miles must not be exceeded to avoid possible transmission damage.

NOTE: Never tow a disabled vehicle with its front wheels lifted. This will lead to damage of the transfer case due to insufficient lubrication. Never tow a disabled vehicle using a tow dolly for single axle towing.

WARNING! Must change air suspension setting to “Transport Mode” for loading and transport. (see pg.36)



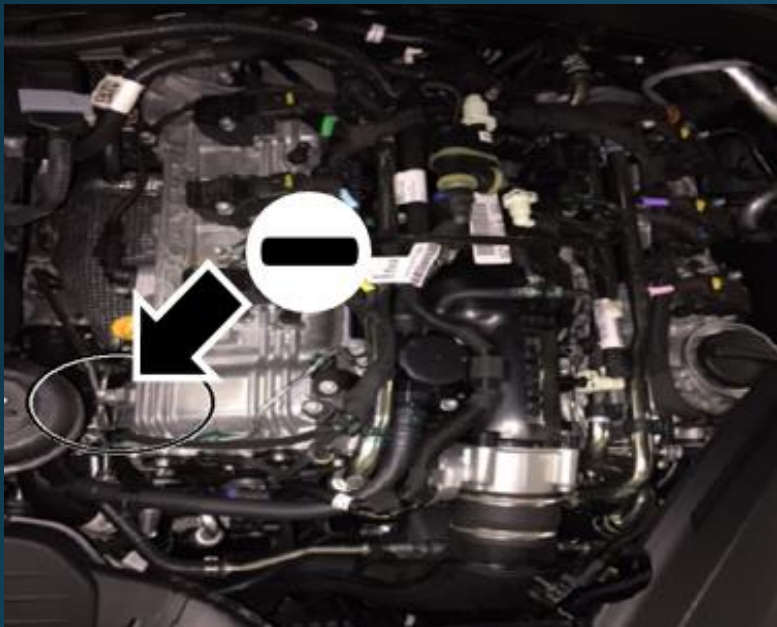
Attaching point for the towing eye is indicated by the arrows. The maximum work angle of the towing cable is 15°.



Battery jump points (under hood)



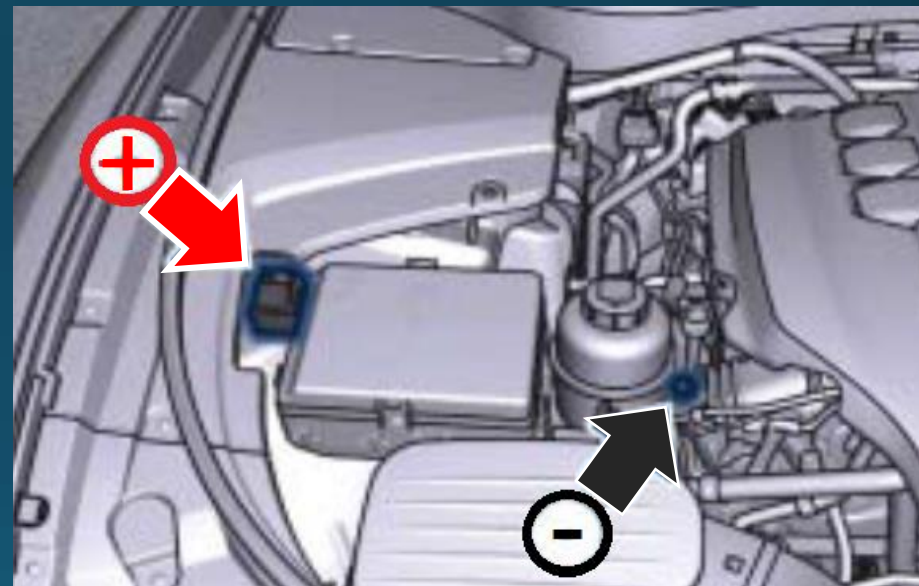
Remote battery posts for jumpstarting are located in the engine compartment while the battery is stored in the passenger side of the luggage compartment.



(-) Negative connection on engine must be attached to cylinder head cover

NOTE: If the battery is completely discharged when the windows are fully raised, open the door carefully. DO NOT close the door again until it is possible to lower the window.

Positive remote post (+) Is located on the passenger side of the fuse box



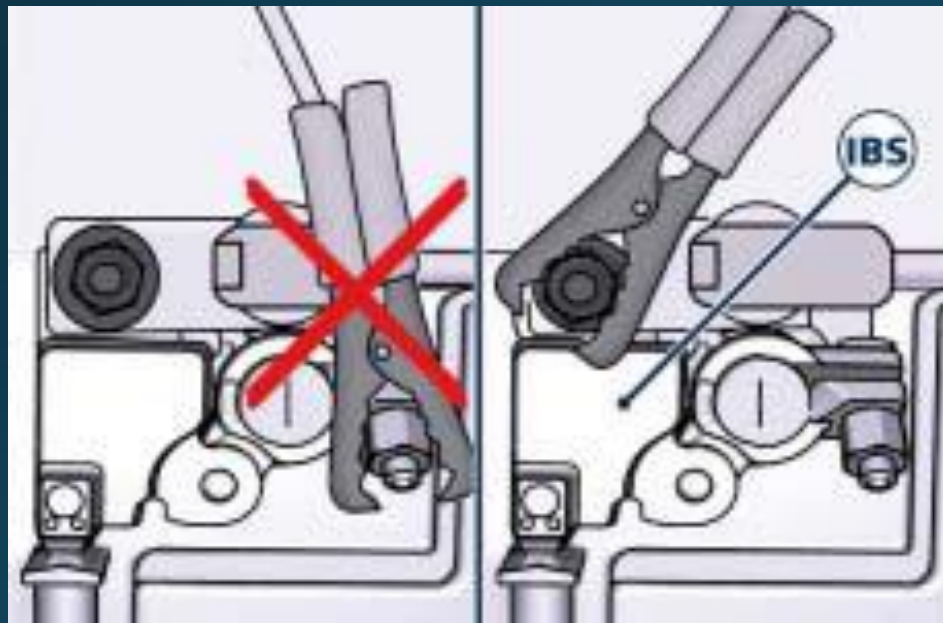
Battery Location



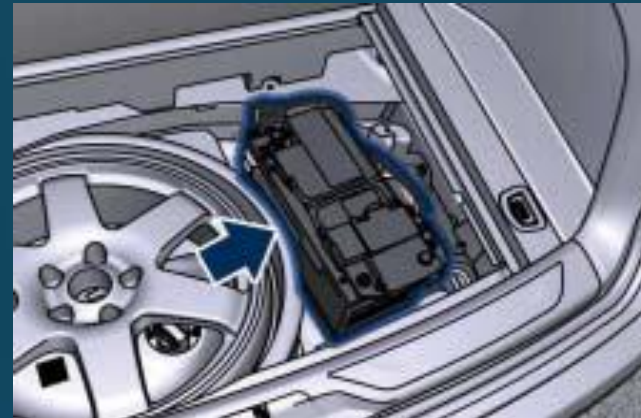
Reminder: Remote battery terminals are located in the engine compartment for jump-starting.

For a successful charge/recharge operation, the charging current must flow through the Intelligent battery sensor (IBS) as shown in the picture below.

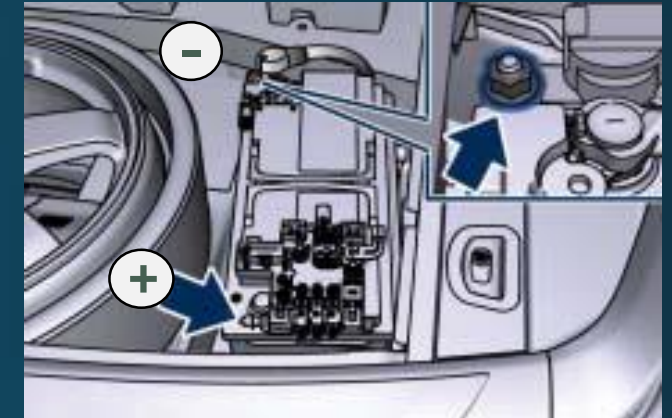
The battery is an AGM 12V and is located in the passenger side luggage compartment floor.



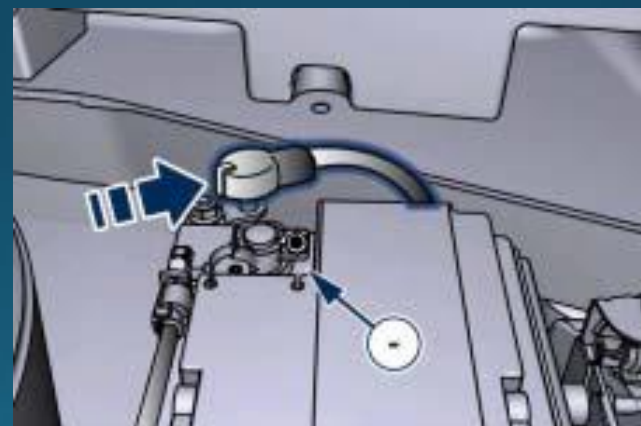
Intelligent battery sensor



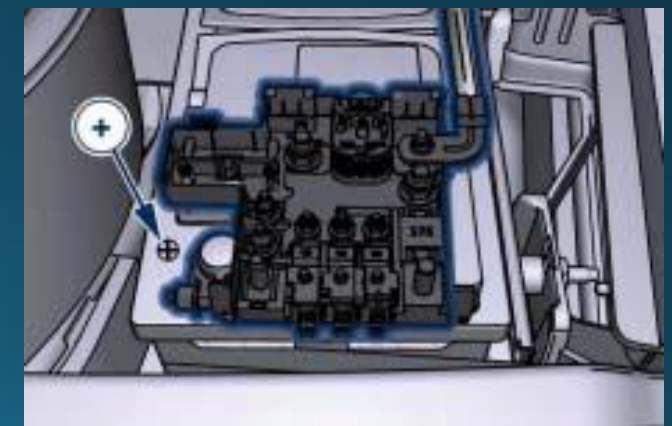
Right rear passenger trunk compartment



Battery points



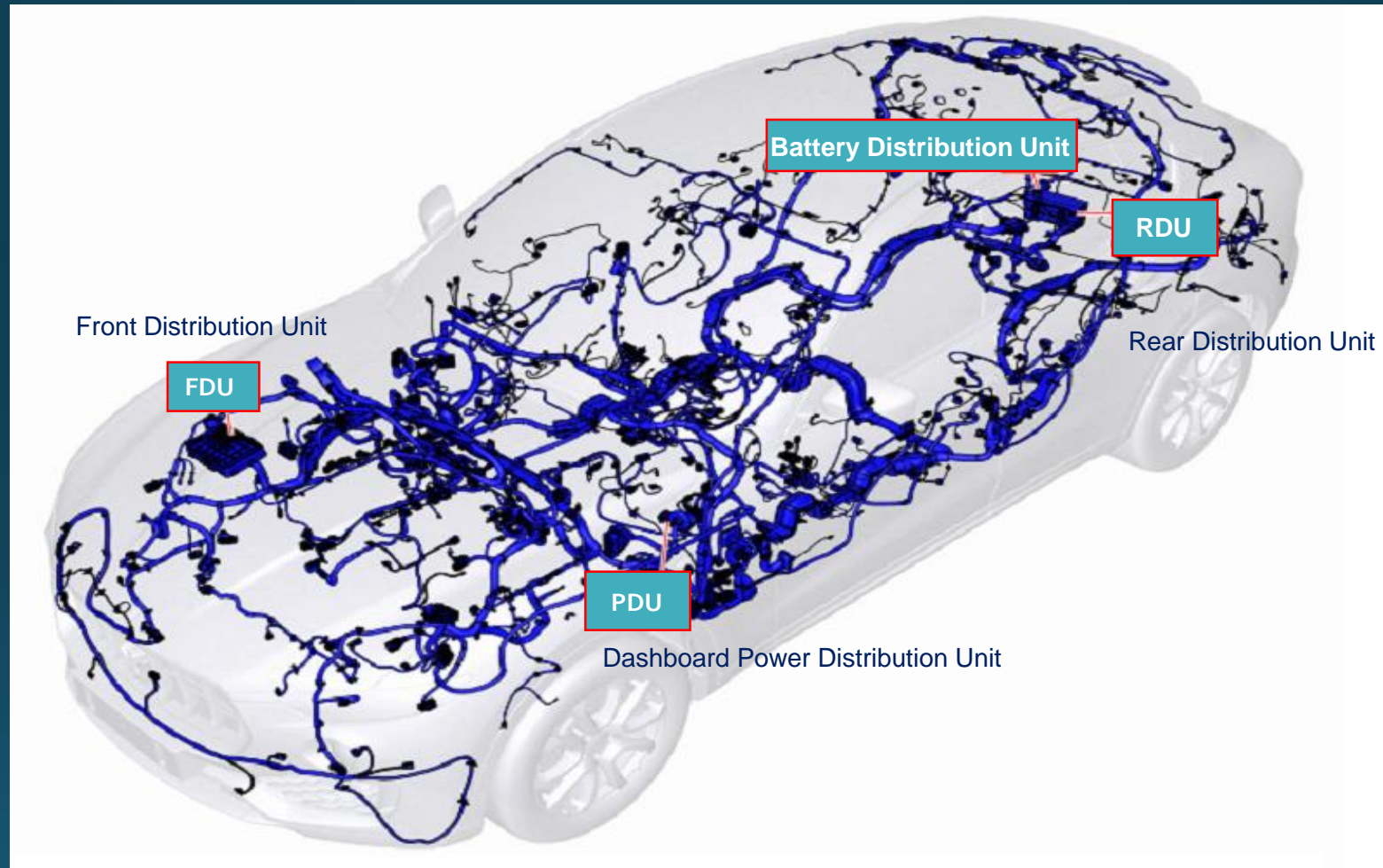
Battery ground quick release cable in trunk



Positive battery terminal

NOTE: Wait at least 30 seconds with the ignition switch turned to RUN before starting the engine.

Fuse Box Locations



Power distribution units



The FDU (Front Distribution Unit), in the right side of the engine compartment.



The RDU (Rear Distribution Unit), in the right side of the spare wheel compartment.



NOTE: While almost all fuses and relays are located inside the FDU and RDU, there are still a few that can be found in other locations in the vehicle. (Refer to the owners manual for additional information)

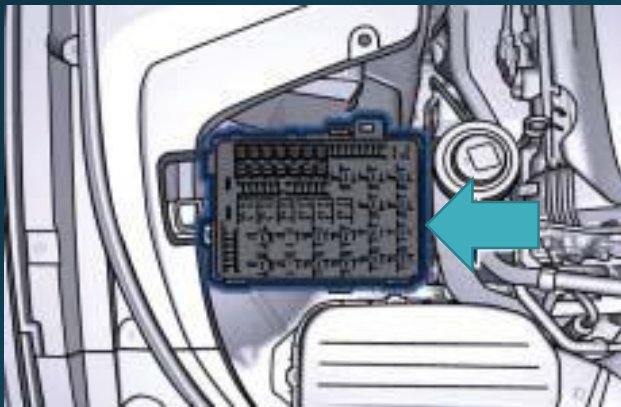
Vehicle fuse position and function



The fuses are located in three areas of the vehicle.

(FDU) Front Power Distribution Unit

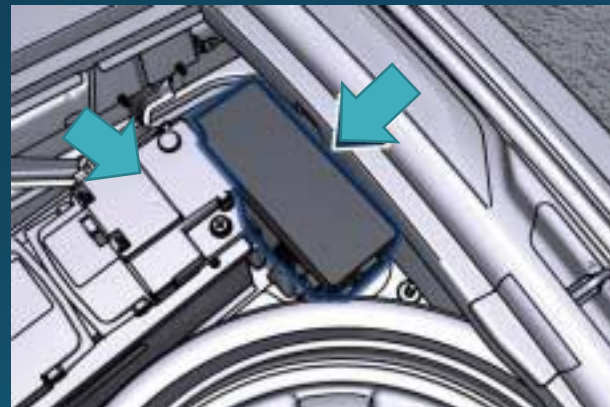
- Inside the integrated power module, on the passenger side of the engine compartment.



Integrated Power Module

(RDU) Rear Power Distribution Unit

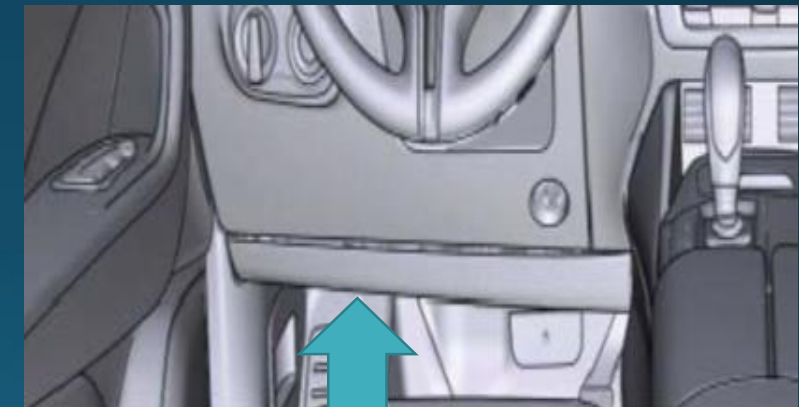
- Inside the rear power distribution center, behind the battery, on the passenger side of the trunk compartment.



(BDU) Battery Distribution Unit.

Fuse Box under the Dashboard

- This box is located in an internal area drivers side under the dashboard.



(D-PDU) Dashboard power distribution unit

Automatic Transmission Lever

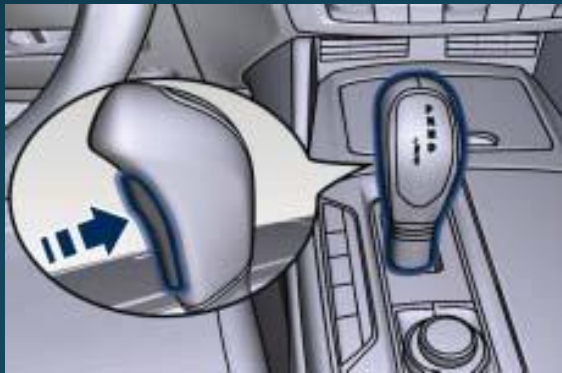


Automatic Transmission Lever

Automatic transmission is operated by a selection lever with lock button located on the central console.

By using the selection lever it is possible to select the following positions, indicated on the top of the lever: the selected position will illuminate in amber light.

- P (Park);
- R (Reverse);
- N (Neutral);
- D (Drive) automatic forward speed (8 speeds);
- +/- to downshift or upshift when manual mode in D (Drive) status, or set to M (Manual) mode.



Transmission status is visible on the shifter lever and on the lower part of the instrument cluster display.



By pressing the release button on the lever, the gear position field is displayed: if you release the button without moving the lever, the field disappears after 2 seconds. By operating the lever, the new range will be indicated in the field and in the lower part of the display.

Automatic Transmission Range

P (Park)

Use this position to park the vehicle. The transmission can be shifted out of P (Park) position only with the brake pedal pressed. To move the shift lever from P (Park) position to any other position, the engine must be switched on. The engine can be regularly started in P (Park) range. Never attempt to use P (Park) while the vehicle is in motion.



When parking on a hill, apply the parking brake before placing the shift lever in P (Park).

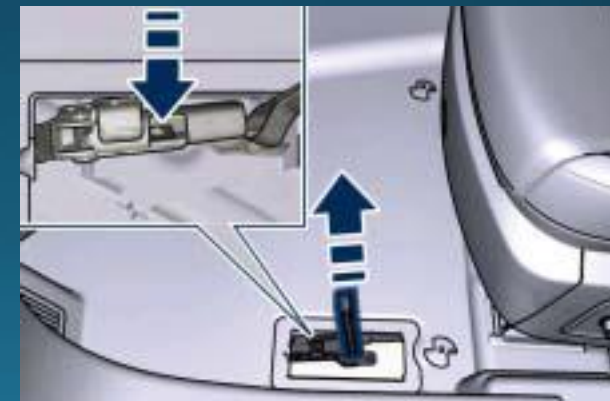
Transmission Park Gear Override



In the event of a discharged battery or system failure, the park position of the gearbox can be released by pulling the cable. The release cable can be accessed by removing the cover in the carpet located in the lower left side of the driver's floor area.



Lift the mat on the driver side to access the cover.



NOTE: This procedure is exclusively intended for emergency situations, only!

Electronic Parking Brake (EPB)

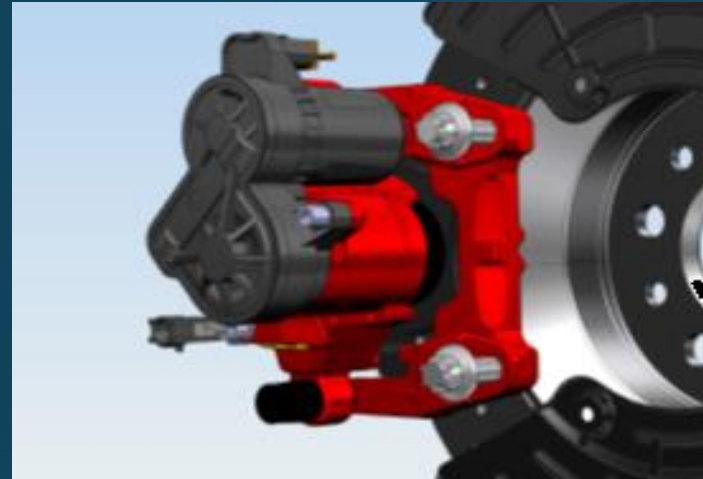


The Levante is equipped with a new generation Electric Parking Brake (EPB). This system does not use a central cable puller unit but instead uses parking brake actuators integrated in the rear brake calipers. As a result, there is no manual release function for the parking brake. Any parking brake concerns requires an inspection to be performed at any authorized Maserati dealer.

EPB application and release

To release the EPB, the brake pedal must be pressed. In addition to manual operation, the following automatic strategies are also available:

- Auto-apply parking brake at key-off. This feature can be deactivated from the (IPC) Instrument panel cluster.
- Pre-release with engine running, driver's door closed, brake pedal pressed and shift lever moved to (D) or (R).
- Auto release at drive away (transmission in D or R, accelerator pressed over 3%).



Electronic caliper parking brake



Simply pull the lever upward to engage or disengage

NOTE: If the (EPB) cannot be released contact your local authorized Maserati Dealer.

Fuel / Fuel Filling



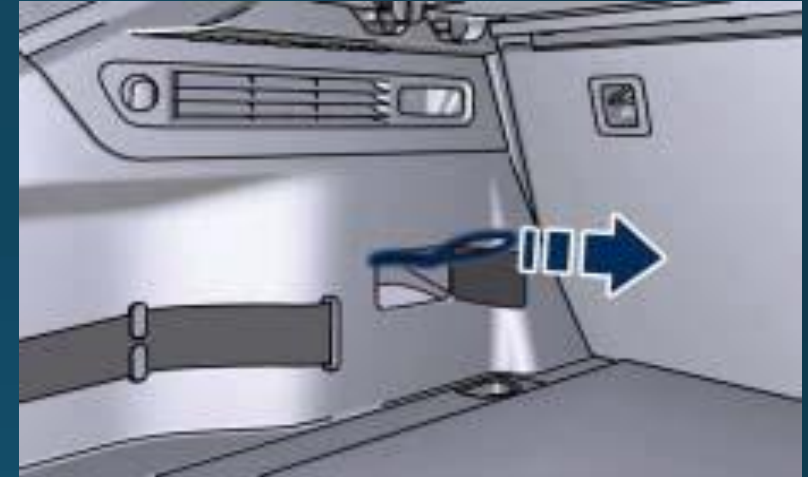
Refueling

To access the fuel filler neck, the filler door must be unlocked. From outside the vehicle, this can only be done by pressing the unlock or the lock button on the key fob RKE transmitter, in the same way as if opening or closing the doors. If any of the door lock controls is pressed from inside the vehicle, the filler door will still remain unlocked to allow refueling.

Press the indicated area on the filler door, which is located on the rear drivers side of the vehicle: the filler door will open.



Fuel filler door



The fuel filler door emergency release located in the trunk



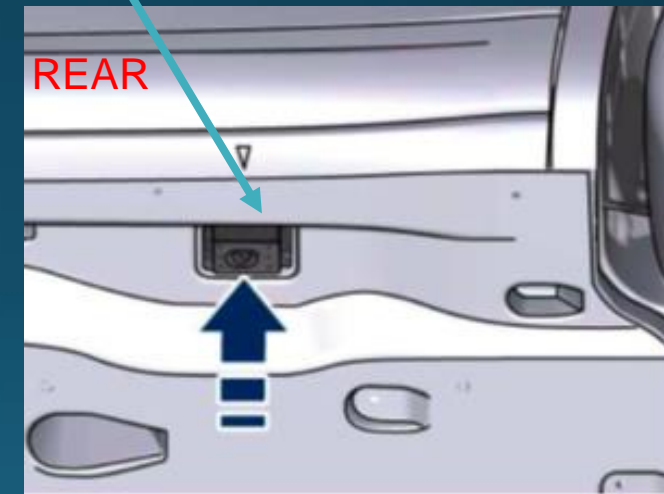
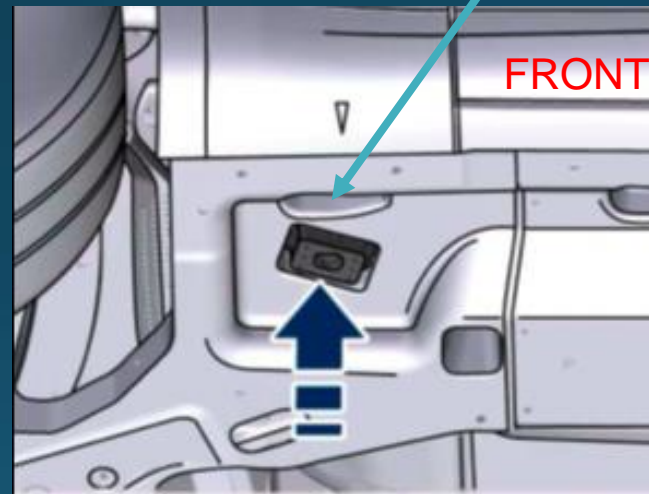
NOTE: MUST use unleaded Premium gasoline with no less than 91 minimum octane rating or the check engine warning light may come on.

Vehicle lift points



Lifting and jacking

Designated jack points allow for vehicle jacking and lifting without risk of damage to its underside. Use only these points to lift or to jack the vehicle.



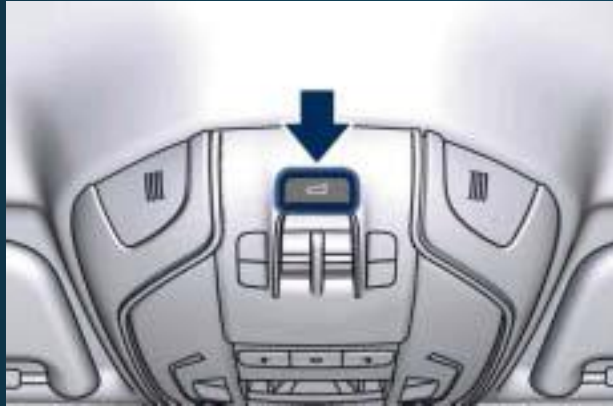
To jack the car, it is necessary to first set the automatic level control function of the air suspensions system. Select the "Tire Jack mode" in the MTC+ menu. (see pg.36 for suspension operations)

Important warnings and symbols

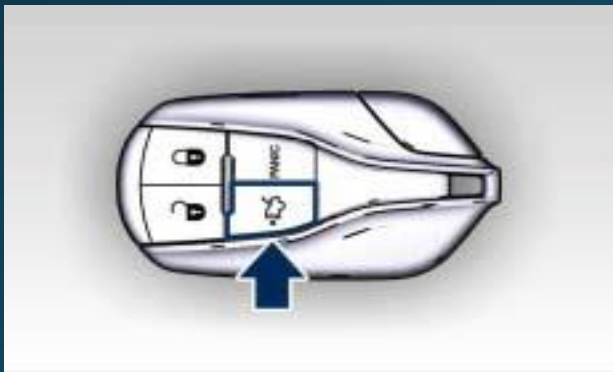


- | | | | | | |
|---|---|---|-----------------------------------|---|---|
|  | Malfunction indicator (MIL) |  | Engine oil temperature warning |  | Windshield and headlamp low fluid |
|  | Tire Pressure Monitoring (TPMS) |  | Low Engine oil level warning |  | Low fuel indicator |
|  | Anti-lock braking system (ABS) |  | Power steering failure warning |  | Ice Hazard Indicator Light |
|  | Electronic Stability Control (ESC) Activation/Malfunction Indicator |  | Catalyst Over Temperature Warning |  | Fuel Filler Cap (Gas cap) Open |
|  | Start & Stop Active Indicator |  | Liftgate Ajar Indicator |  | Electric Parking Brake Failure |
|  | Brake indicator/warning |  | Hood Ajar Indicator |  | Start&Stop disable Indicator |
|  | Air Bag indicator |  | Door Ajar Indicator |  | Start&Stop Failure Warning |
|  | Seat belt reminder |  | Suspension failure warning |  | Forward Collision Warning (FCW) Fault (If equipped) |
|  | Scheduled Maintenance (Service) Indicator |  | Adaptive cruise control |  | AWD system warning/failure |
| | | | |  | Lane Departure Warning (LDW) Fault (if equipped) |

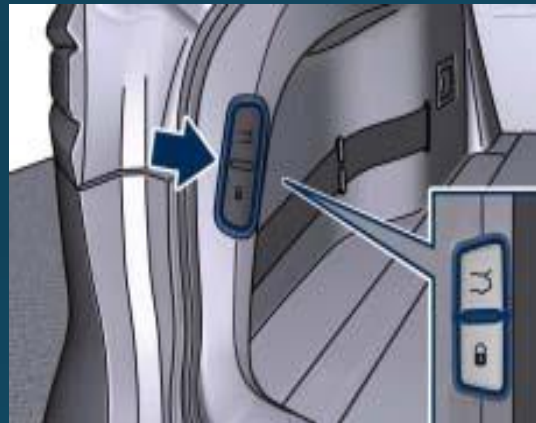
Power Lift Gate Operation



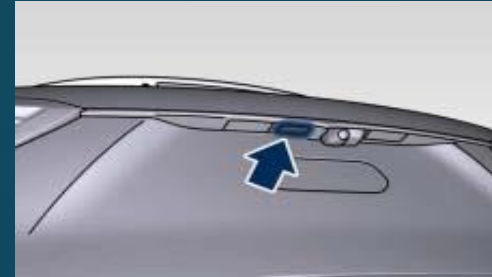
The power liftgate can be operated from inside the vehicle by pressing the button on the front dome console.



The power liftgate can be opened from outside the vehicle by pressing the button on the key fob.



The buttons located on the outer edge of the left trunk compartment lining and shown in the figure can be used to completely close and lock the power liftgate. Also external button located on the lower side of the liftgate ledge.



Power liftgate uses the button in-between the license plate lights, Shown in figure above.

Kick Sensor Option

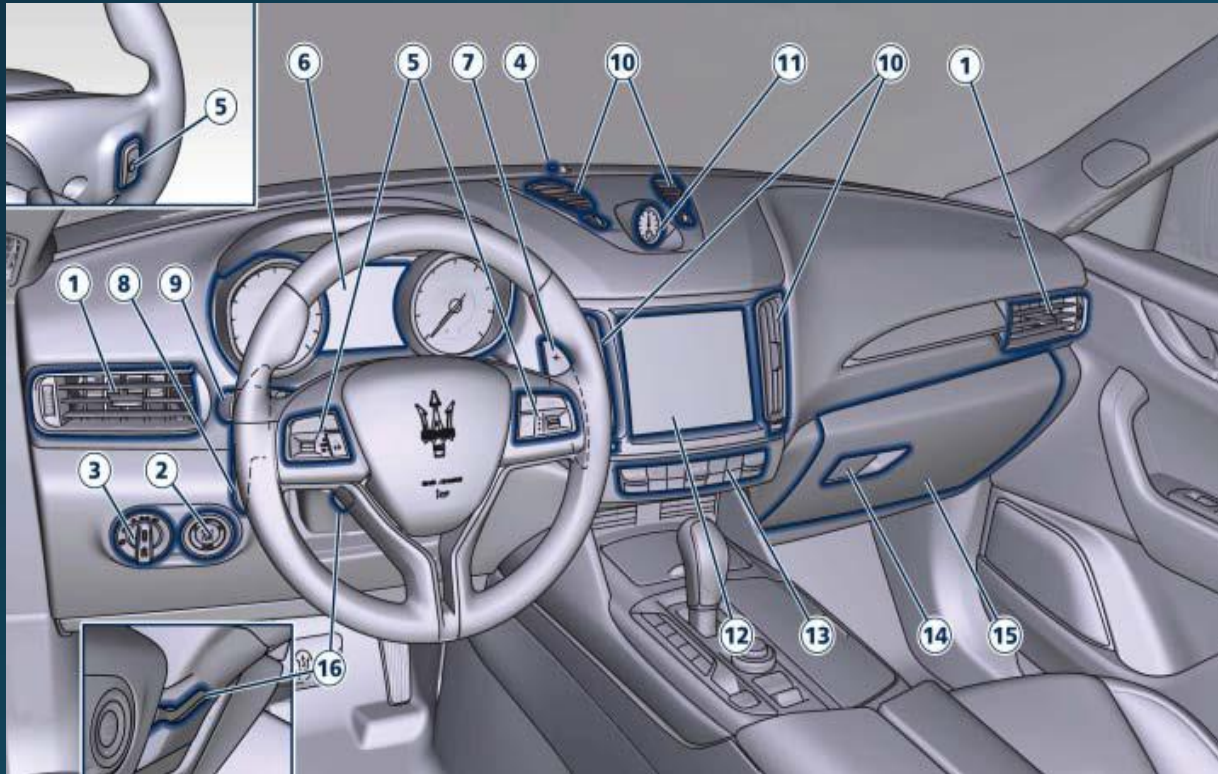
The system will only operate if the system acknowledges the presence of the key fob RKE transmitter within 2.3 ft of the power liftgate. Do not place your foot too close to the bumper or touch the underbody. In order for the sensors to detect your foot movement, move your foot towards the vehicle rather than sideways and immediately pull it back: from this moment, the power liftgate will activate within two seconds.



NOTE: If your foot movement fails to activate the power liftgate movement, wiggling your foot under the bumper will not help. Repeat the whole kick movement. The power liftgate will be opened and closed only if the "Passive Entry" system acknowledges the presence of the key fob RKE transmitter.

NOTE: The shift lever must be in P (Park) before the liftgate can operate

Interior Dashboard components



Dashboard Components	
1. Adjustable side air outlets	9. Multifunction lever switch
2. Engine START/STOP button	10. Adjustable central air outlets
3. Headlight switch	11. Analog clock
4. Anti- theft indicator	12. MTC+ display
5. Steering wheel switches	13. Climate Controls
6. Instrument Cluster	14. Dashboard glove box handle
7. UP -Shift paddle (+)	15. Two USB ports inside glove box
8. Down Shift paddle (-)	16. Steering wheel adjustment switch

Dashboard Instruments and Controls

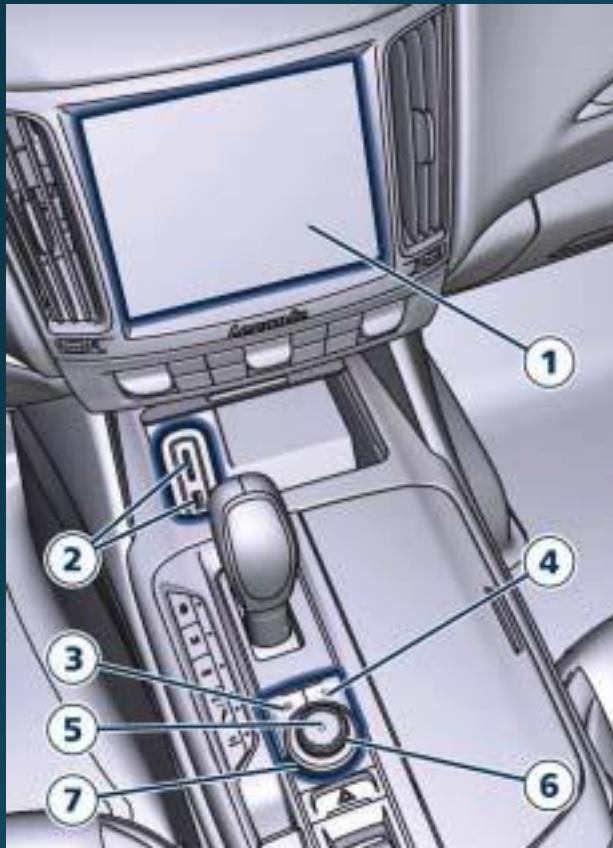


Audio Controls on Central Console

In "Radio" mode, turn the volume upper knob to set the audio volume, or turn the tune/scroll bottom knob to tune station.



When in App/Settings mode, the tune/scroll bottom knob and the browse and enter buttons allow you to scroll through the menus and change the user's settings.



1. MTC+ touch display.
2. Ports for SD card, AUX and USB
3. "Browse" button .
4. "Back" button .
5. "Enter" button.
6. Volume control.
7. Tune/scroll control.

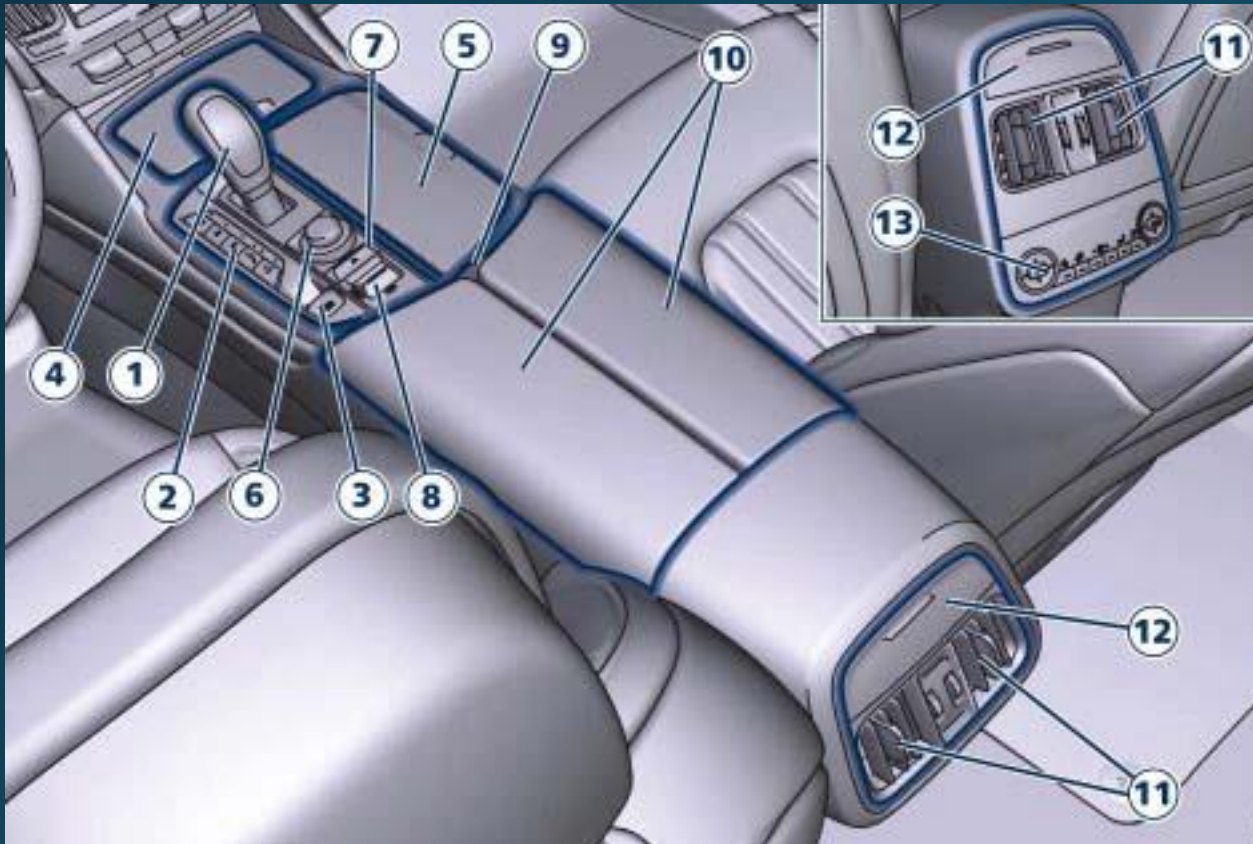
Back button (4)

Press this button to go back to previous menu or previous screen.

Enter Button (5)

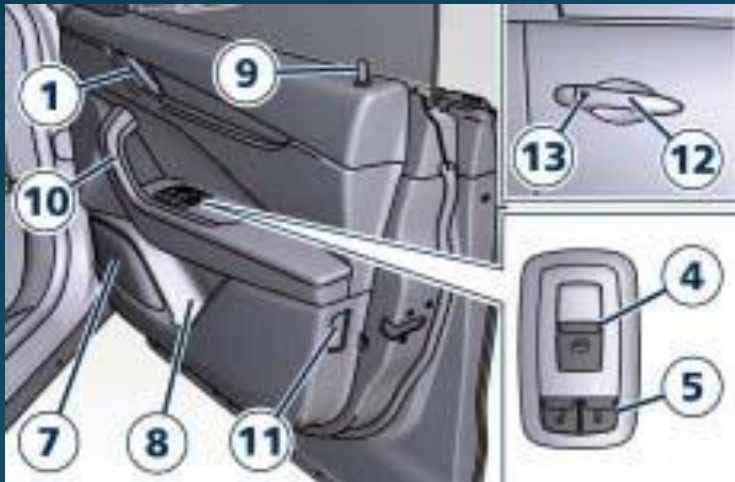
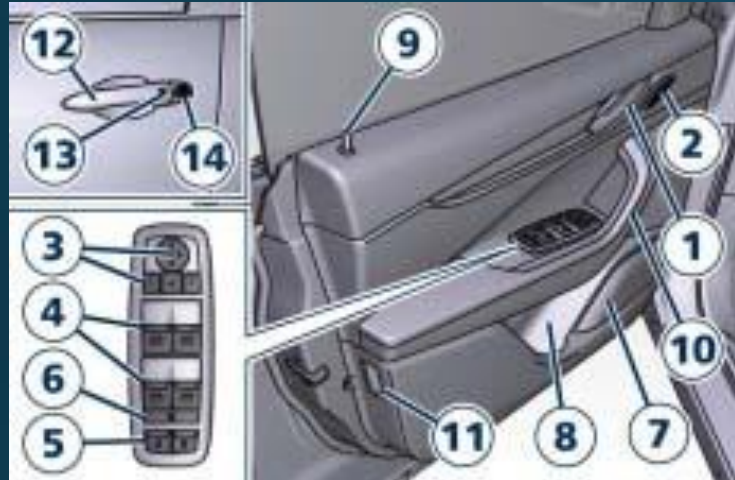
To confirm the function or setting highlighted on MTC+ display.

Central Console Components



Central Console Components	
1. Automatic transmission shifter	8. Driver height selector
2. Drive mode switches	9. Center console release switch
3. Electronic parking brake	10. Central arm rest covers
4. AUX, USB, and SD card slots	11. Adjustable air outlets
5. Cup holders compartment	12. Power outlet and USB slots
6. Center MTC selector and buttons	13. Four-zone climate controls rear (optional)
7. Hazard flashers switch	

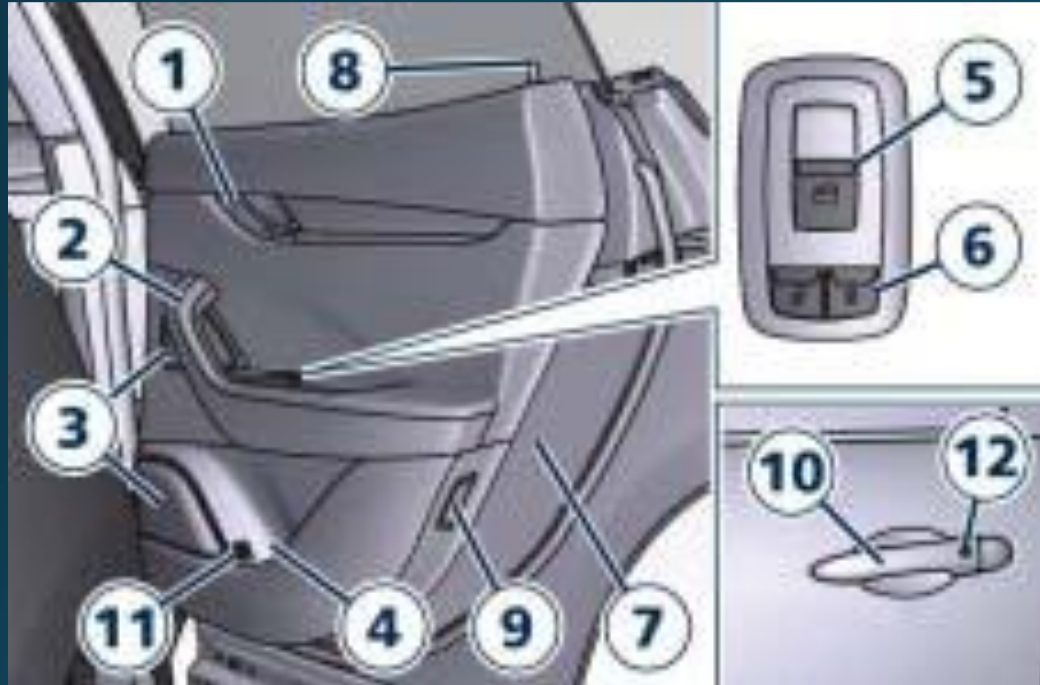
Interior components front doors



Front door components

1. Inside door handle
2. Driver seat and mirror switch
3. External rearview mirror switch
4. Power window switches
5. Door lock/unlock switch
6. Rear windows and sunshade switch
7. Loudspeakers
8. Storage compartment
9. Internal door lock/unlock knob
10. Door handle grip
11. Reflector
12. Outside door handle
13. Door lock button with passive entry function
14. Door outboard opening lock

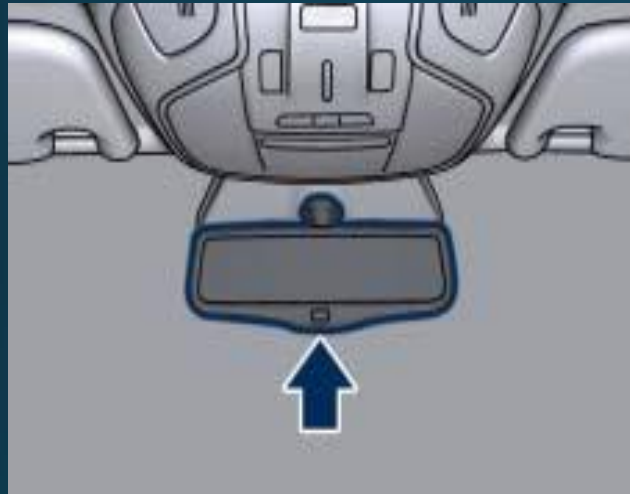
Interior components rear doors



Rear Doors Components

1. Inside rear door handle
2. Door panel grip
3. Loudspeaker
4. Door storage pockets
5. Power window and sunshade button (optional)
6. Power door lock/unlock buttons
7. "Child protection" door lock system
8. Inside door lock/ unlock knob
9. Reflector
10. Outside door handle
11. Heated switch for left and right rear seat (optional)
12. Door lock button with "Passive Entry" function (optional)

Overhead console and mirror



Internal Rearview Mirror

Internal rearview mirror is electrochromic: this anti-glare function is automatically deactivated in reverse to ensure maximum visibility of obstacles.

Auto-dimming On/Off Button

By pressing the on/off button to the mirror base the user can disable/enable the auto-dimming function. Typical case is at night when the auto-dimming can be excessive (low reflectance). Pressing the button will increase the reflectance of the mirror, increasing visibility.

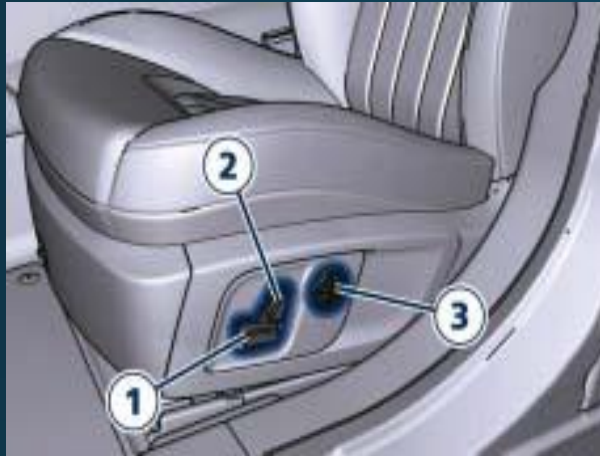


Front dome overhead control panel

Front dome overhead control components

1. Reading lights control button
2. Central light control button
3. Reading lights
4. Central light
5. Garage door controls
6. Passenger compartment light switch
7. Power liftgate button
8. Park Assist button (optional)
9. Sunroof controls (optional)

Interior components / Seats



Front Power Seat Controls

The power seats switches are located on the outboard side of the seat cushion.

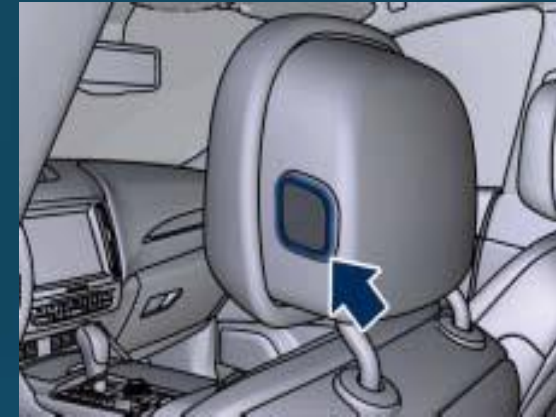
Use the front switch **1** to move the seat up or down, forward or rearward or to recline the seat cushion. Use the switch **2** to recline the seatback. Use the rear switch **3** to adjust the lumbar support.

Seat Forward/Rearward Adjustment

The seat can be adjusted both forward and rearward. Push the seat switch **1** forward. Or rearward, the seat will move in the direction of the switch. Release the switch **1** when the desired position is reached.

Seat Up/Down Adjustment

The height of the seat can be adjusted up or downward. Grip switch **1** from the back side and push it down or up. Release the switch **1** when the desired position is reached.



Seat Tilt Control (Up/Down)

The angle of the seat cushion can be adjusted in four directions. Pull upward or push the front of the switch **1**, to move the front cushion seat in the direction of the switch. Release the switch **1** when the desired position is reached.

Seat Back Tilt Control

The angle of the seatback can be adjusted forward or rearward. Push the seatback switch **2** forward or rearward, the upper seatback will move in the direction of the switch. Release the switch **2** when the desired position is reached.

Head Restraints Adjustment (with Comfort Seat only)

To manually lift or lower the head restraints on the Comfort Seat press the indicated lateral button. *NOTE: Sport Seat does not include head restraint adjustment.*

Seat Tilt Control (Up/Down)

The angle of the seat cushion can be adjusted in four directions. Pull upward or push the front of the switch **1**, to move the front cushion seat in the direction of the switch. Release the switch **1** when the desired position is reached.

Power Lumbar

Push the switch **3** forward or rearward to increase or decrease the lumbar support. Push the switch **3** upward or downward to raise or lower the lumbar support.

Front Heated Seats

The front seats heating is operated by the MTC+ System. *NOTE: Engine must be running.*

Easy Entry/ Rear Seats



Easy Entry/Exit Driver Seat

This feature provides automatic driver seat positioning to enhance driver mobility when entering and exiting the vehicle. The distance the driver seat depends on where you have the driver seat positioned when you place the ignition device to the **OFF** position.

- 1) When you cycle the ignition device to the **OFF** position the driver seat:
- 2) Will move about 2.36 in rearward if the driver seat position is greater than or equal to approx. 5.5 in forward of the rear stop;
- 3) Will move to a position of approx. 3.15 in rearward of the rear stop if the driver seat position is between 5.51 in and 3.15 in forward of the rear stop.
- 4) The seat will return to its previously set position when you place the ignition device into the **ACC** or **RUN** position.
- 5) The Easy Entry/Exit feature is disabled when the driver seat position is less than 3.15 in forward of the rear stop.

Rear Seats

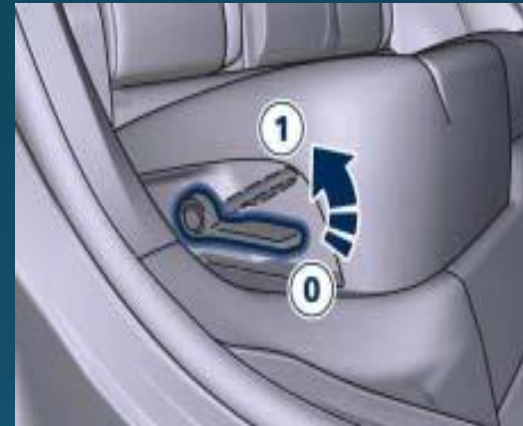
Rear seats can fit three passengers. Seats and seat belts are parts of the occupant restraint system of the vehicle.

Rear Seat Folding Seatback

The 60/40 split-folding seatback of the rear seat provides for a recliner feature with three available fixed positions that can be set using the lever on seat external side. The LH lever tilts the long part (60), while the RH lever tilts the shorter one (40). The less tilted position (90°) is the one most suitable when a child seat must be installed; the other positions tilt the seatback toward the liftgate up to approx. 23°.

To tilt the seatback, lift the lever from its rest position **0** to position **1** while pushing the seatback to the back until reaching the required position. When releasing the lever, the fixed positions will be acknowledged by the seatback locking in place.

Ensure that seatback is fastened to the position by trying to move it back and forth. Lever control cable locks also when fully folding the seatback down on the seat.



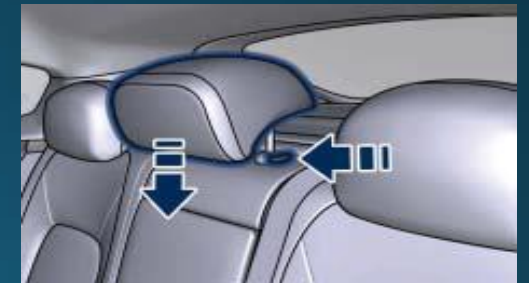
To move the seatback in another position, lift lever in position **1** and hold it up until bringing seatback to the new fixed position, which is acknowledged by the seatback locking in place after releasing the lever

Rear Head Restraints

The seat head restraints are adjustable in height.



To raise the head restraint, pull upward on the head restraint.



To lower the head restraint, press the push button, located at the foot of the head restraint on the left side, and push downward on the head restraint.

Interior components cont.



Adjustable Pedals (optional)

The adjustable pedals system allows the brake and accelerator pedals to move toward or away from the driver's feet.

The switch is located on the front side of the driver's seat shield.



Press the switch downward to move the pedals forward (toward the front of the vehicle). Lift the switch upward to move the pedals rearward (toward the driver).



WARNING! Do not adjust the pedals position while vehicle is moving. You could possibly lose control. Always adjust the pedals position while the vehicle is parked.

External Mirrors

External mirrors can be adjusted and closed electrically.

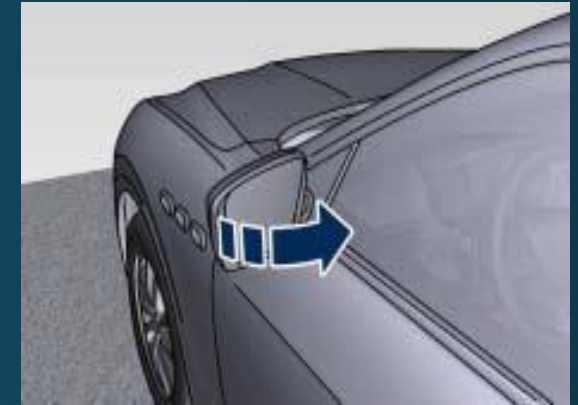


NOTE: The mirrors tilt in reverse can be turned on and off using the MTC+ System.

Folding Mirrors(standard for US market)

The switch for the power folding mirrors is located between the power mirror switches.

Press the switch once and the mirrors will fold in; press the switch a second time to reset the mirrors to the standard position.



There is a way to make external mirrors automatically fold/unfold.

- If the function is available, it can be activated by MTC+.
- If the mirrors are automatically folded after the last lock action, then they will automatically unfold when the ignition device is set on **ACC** position.
- If the mirrors were manually folded, by door switch, before a lock action, they will need to be manually unfolded to reactivate the automatic feature.

Steering wheel adjustment

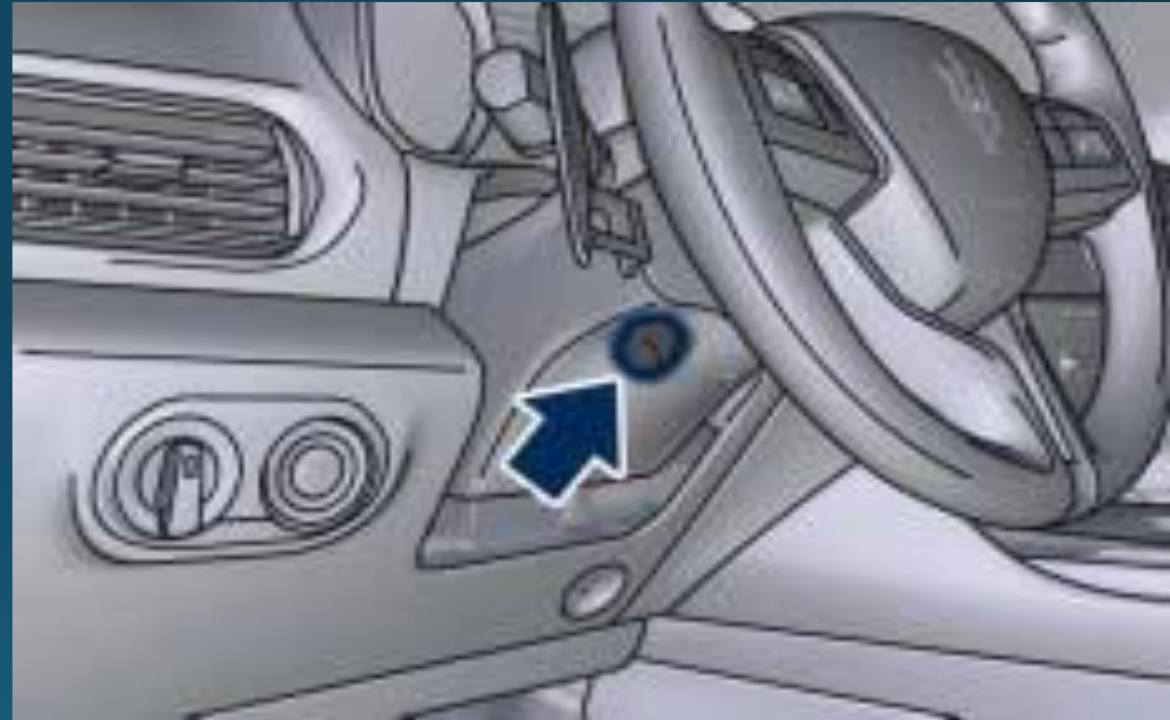


Steering Wheel Adjustment

This feature allows you to tilt the steering column upward or downward or to lengthen or shorten it in order to adjust the steering wheel to an optimized position.

Power Adjustment

The power tilt/telescoping steering column/wheel switch is located on the lower left side of the steering column. To adjust the tilt of the steering column/wheel, move the switch up or down as desired.



WARNING! Do not adjust the steering column/wheel while driving. Adjusting the steering column/wheel while driving could cause the driver to lose control of the vehicle. Be sure the steering column/wheel is adjusted before driving the vehicle.

Ride height selection



Accessory Switch Bank Modules (ASBM1 and ASBM2)

The Levante features two ASBMs

ASBM1: This is the module already known from M156-7 models, located to the side of the gear selection lever and allowing the setting of the drive mode and related settings. Specifically for the Levante model, the button panel has been modified to include the Off road drive mode and to group the firm dampers setting together with Sport mode.

ASBM2: This module is part of the rocker switch that controls the ride height provided by the air suspension system and integrated LED cluster that indicates the current settings.

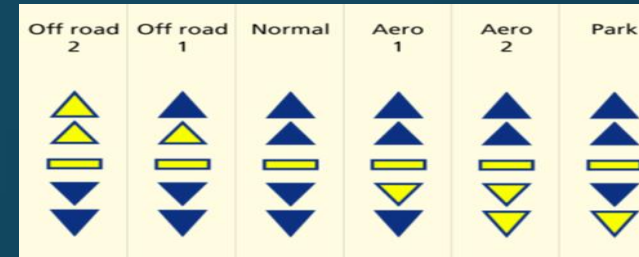
Ride height selection: ASBM2

The driver can select the desired ride height (among those allowed by current vehicle speed) with a rocker switch positioned on the central console, which is identified as ASBM2 (Accessory Switch Bank Module 2) as it complements the functionality of the drive mode pushbutton panel (ASBM1). *NOTE:* To protect the vehicle and its occupants, ride height changes only occur if all doors, tailgate included, are closed.

Ride heights and drive modes

Most ride heights are compatible with all drive modes, Off road mode and heights being the exception.

Key-on and key-off behavior At key-on, the vehicle resets to the Normal drive mode and ride height. As a notable exception, Off road mode is preserved through the key cycle, to prevent damages to the floor pan and underbody components in case the vehicle lowers while stopped on very irregular terrain. For the same reason, Off road is also the only drive mode that is not compatible with the Park height.

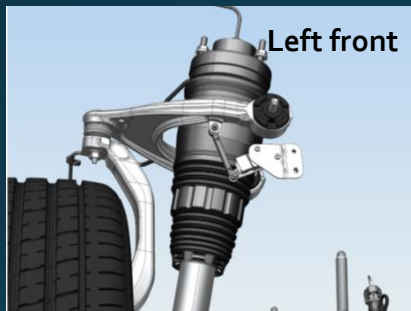


Vehicle suspension system

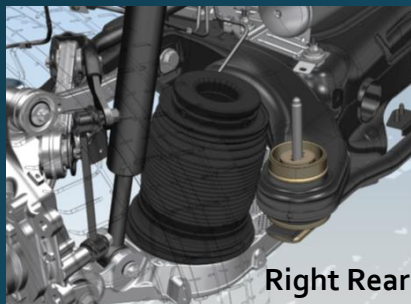


Overview

- Four air springs
- Two cylinders (air reservoir)
- A compressor
- A valve block
- Air pipes
- A dedicated ECU (ASCM)
- Four ride height sensors
- A rocker switch used by the driver to control the system



Left front



Right Rear

Air Suspension Control Module (ASCM)

The ASCM is located behind the passenger side trim panel of the luggage compartment. It controls all the components of the air suspension system, including those that are part of the Skyhook continuous damping control system (accelerometers and damper control valves). Ride height sensors are used to control the whole air suspension system properly, each wheel has a dedicated ride height sensor, connected directly to the (ASCM).

Ride height and driving speed

The air suspension system provides five different ride heights for driving plus an additional one (completely lowered) to ease getting in and out of the vehicle.

- **Off road 2** (+40mm) is the highest setting, useful during fording and in harsh off road trails. Due to stability concerns, this height is only available below 40km/25mph.

- **Off road 1** (+25mm) is the default height associated with the Off road drive mode. Ride height and drive mode automatically reverts to Normal above 90km/55mph.
- **Normal** (reference height) is the default height for all other drive modes.
- **Aero 1** (-20mm) lowers the vehicle to enhance its aerodynamics, it is activated automatically above 130km/80mph and can also be activated manually.
- **Aero 2** (-35mm) is the only ride height that cannot be selected by the driver, being instead automatically engaged above 185km/100mph.
- **Park** (-45mm) is the lowest setting and it is part of the easy entry/exit strategy. It is available below 24km/15mph and it is also activated automatically when the gear is shifted to P (this can be set via the MTC+).

NOTE: The air suspension system is under permanent power supply and could possibly perform ride height adjustments to keep the correct vehicle ride-height even in key-off conditions.

Standard air suspensions

All Levante models comes standard with air spring suspension system with automatic level control and six different ride height levels. The system is always combined with Skyhook continuous damping control.



Suspension Operations



Vehicle lifting and jacking

When lifting the vehicle on a hoist or jacking it to replace a wheel, you must set the levelling system to the “Tire Jack Mode” in the MTC+ “Settings” menu. In this mode, the system will not automatically adjust.

Suspension Feature in the MTC controls, allows displaying and setting the following modes of the air suspension system.

Auto Entry/Exit Suspension

Select this mode to automatically lower vehicle to minimum ground clearance when driver takes transmission to P (Park) to help entry into and exit from the vehicle and unloading of cargo from the trunk compartment. The feature can be set to “On” or “Off”.

Tire Jack Mode

When lifting or jacking to replace a wheel, you must set the levelling system to the “Tire Jack mode”. In the MTC+ Touch control screen “Settings” menu, ensure the check is shown in the BOX.

Select this mode to change the air suspension settings when the vehicle is lifted for changing a wheel or tire.

The mode must be checked for “ON” before removing the wheel and unchecked to set to “OFF” before driving the vehicle.

Transport Mode

Select this mode to lower the air suspension to minimum ride height and change the system operation during vehicle loading and transport on the flatbed tow truck.

This mode must be checked for “ON” prior to loading vehicle on to the flat bed and unchecked to set to “OFF” after arrival to destination.



Wheel Alignment Mode

Select this mode to prevent automatic air suspension alignment when performing wheel alignments.



Start&Stop System



Automatic Start&Stop System

The Maserati Start&Stop system allows the engine to automatically switch off under certain parameters, when the vehicle stops and to restart when the driver intends to drive. In order for the Start&Stop to activate, the vehicle must be stationary and the brake pedal adequately pressed.

NOTE: if the brake pedal is not sufficiently pressed the Start&Stop may not function even if the vehicle is stopped.

When the Start&Stop switches off the engine, the related light illuminates on the instrument cluster. As soon as the brake pedal is released, the engine turns on.

While the vehicle is stopped, the shift lever can be placed in P (Park).



Start&Stop Deactivated

- When SPORT drive mode is activated.
- When ESC drive mode is OFF.
- When ride height is set to Off Road 1 or Off Road 2.
- If it has been disabled through the main menu option.

Start&Stop Not Active

The Start&Stop function does not operate under the following conditions:

- When the driver's seat belt is unbuckled (see example in picture).



- When the driver door is open.
- When the fuel level is too low.
- When the vehicle is stopped on a very steep road.
- When the vehicle is stopped with steered wheels.
- When the vehicle is maneuvering: shift lever in R (Reverse).
- When the temperature conditions inside the vehicle do not correspond to the air conditioning setting.
- When the front and rear "defroster" function is activated.

- When the engine coolant and the engine oil are not at operating temperature.
- When the external temperature is too cold.
- When the battery charge is low.
- When the previous stop had just happened (few seconds) and the minimum speed has not yet been achieved.
- Shortly after R (Reverse) has been selected or when driving under a certain low speeds.
- When the hood is open.
- Start&Stop system malfunction is present.

Start&Stop Function Disabling

Can be turned off by using the right steering wheel switch by selecting "Start & Stop" in the instrument panel cluster, a message indicator will show the amber warning light.

Vehicle Drive Modes



Select the desired drive mode using the buttons on the left of the transmission selector lever. Pressing the button a second time deactivates the setting and restores the default drive mode (Normal).



Button	OFF – Button released	ON – Button pressed (LED ON)
	Electronic Stability Control ESC activated.	Electronic Stability Control ESC partially deactivated.
M	Autoshift Mode (Auto).	Manual shift mode (Manual) ON.
I.C.E.	Increased Control and Efficiency mode OFF.	Increased Control and Efficiency mode ON (*).
	Normal drive mode (NORMAL) ON and Soft suspensions setting (S).	<ul style="list-style-type: none"> • Button pressed first time (first LED on): sportier drive mode (SPORT) ON and Sport-Normal suspension setting. • Button pressed second time (first and second LED on): sportier drive mode (SPORT) ON and Sport-Firm suspension setting (H). • When button is pressed third time, it returns to OFF-button released.
OFF ROAD	OFF ROAD drive mode OFF.	OFF ROAD drive mode ON.

Collapsible spare tire



An 18" spare wheel with collapsible tire is available as standard equipment. The tire must be inflated with the provided 12-volt compressor before driving the vehicle.

The maximum allowable driving speed is limited to 45 mph and total maximum mileage driven on the spare wheel is 1,800 miles. After 1,800 miles the spare wheel must be replaced.

Mounting the spare tire affects vehicle handling. Replace the original equipment tire as soon as possible and reinstall it on the vehicle. Do not install more than one compact spare tire on the vehicle at a time.

The kit consists of a 12-volt compressor, and an air hose. Once the collapsible spare tire installed, the vehicle can be driven for 12 miles at a maximum speed of 45 mph. After driving 6 miles a re-check is required, and the inflation procedure must be repeated.



NOTE: The Tire Jack Mode must be checked for "ON" before removing the wheel and unchecked to set to "OFF" before driving the vehicle.



NOTES

M161

