Ultimate Series

Owner's Handbook

Retailer Network

The Authorised McLaren Retailer network is constantly expanding and a full list with contact details can be found at:

www.retailers.mclaren.com

In the event of an emergency, call your local emergency telephone number.

For non-emergency assistance, contact your nearest McLaren retailer.

Contact details for McLaren Client Services can be found at:

https://cars.mclaren.com/contact-us

In the unlikely event that you are unable to obtain assistance using the appropriate number(s) listed, you can call the appropriate European assistance number:

The McLaren Assistance number in the UK is Freephone: 0800 975 8285.

The McLaren Assistance number in Europe is Freephone: 00800 4886 4887.

NOTE: If you have problems contacting us on the Freephone number while in Europe please call on: +33 472 172 519.

Please be aware that standard charges for this call will apply.

Contents

Introduction

Please read this information to familiarise yourself with your McLaren and its features before you drive. This provides the necessary information for you to get the optimum benefit and enjoyment from your McLaren.

This publication describes all options and features available for your McLaren Ultimate Series. Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, optional equipment or the fitment of McLaren approved accessories.

NOTE: The images shown in this publication may not exactly reflect your unique vehicle.

The documents supplied with your McLaren are an integral part of the vehicle. Ensure that you pass them onto the new owner if you sell the vehicle.

The information is divided into specific sections, to assist in finding the particular information you require:

Before You Drive

Details the settings you need to make in the cockpit to ensure you are fully prepared and have safe and easy access to all controls before driving.

Driving Controls

This section contains detailed information regarding the equipment and driving controls fitted to your McLaren and how to use those controls to best effect during a journey.

Instruments

This section contains information on the Driver Display, including information on how to operate features of the McLaren Infotainment System (MIS).

McLaren Infotainment System (MIS)

This section contains information on the MIS, including information on how to view and change vehicle settings.

Comfort and Convenience

Contains information on those systems and features which make the cockpit a pleasant environment in which to spend time.

Maintaining your McLaren

Information on maintaining your McLaren is located here. Also included is advice on using your McLaren in winter weather and if you choose to drive your vehicle abroad, what to do if something should go wrong and how to manage any possible problems which arise as a result. Information on fuses, lights and what to do if you experience a puncture.

Vehicle Data and Glossary

Refer to this section when you need information regarding the fluid specifications and quantities that are required for the various systems on your McLaren, or when you need to know a specific piece of data relating to your McLaren or its performance.

The technical glossary contains a brief explanation of some of the more complex systems fitted to your McLaren. Your McLaren retailer will be able to assist should you need more information.

Index

The table of contents and the index will help you find information quickly, when you need it.

Information about this document

McLaren is constantly updating its vehicles to meet and exceed the latest technologies. McLaren therefore reserves the right to introduce changes in design, equipment and technical features at any time.

The equipment fitted to your McLaren may vary from the images shown depending on vehicle and market specification.

All information, illustrations and specifications in our applications are based on data available and are correct at the time of issue. The availability of options may vary from market to market due to local restrictions and regulations. Some illustrations in these applications may not necessarily reflect the specifications or options available in your local market and may show optional equipment.

The specifications contained in these applications are for information purposes only and McLaren Automotive reserves the right to change product specifications at any time without notice or incurring obligation. For full specification details and information on standard and optional equipment, please consult your McLaren retailer.

This vehicle may be covered by patents. See cars.mclaren.com/patents.

Printed in United Kingdom.

Electronic user manual

Your vehicle is fitted with an electronic user manual, the Owner's Handbook is available on the McLaren Infotainment System (MIS).

To access the manual, swipe down on the notification bar at the top of the MIS screen then touch the Owner's Handbook icon.

NOTE: This feature cannot be accessed when the vehicle is in motion. The electronic user manual is only available when the vehicle is stationary, to prevent the driver from being distracted.

 The home icon appears at the top and bottom of each page. Selecting the home button will return you to the main contents page.

 These icons can be used to navigate to the previous or next topic as required.

Select 'Related Topics' to quickly access the other information within the current section.

 This icon can be used like a web browser back button, to go back to the previous view.

Symbols

You will find the following symbols in this Owner's Handbook. These symbols are intended to give you an instant visual message on what type of information is being displayed.

Warnings	
	A warning draws your attention to activities that could cause injury or death.
Notes	
	Notes draw your attention to activities that contain possible risks to your McLaren, provide advice that you may find useful, or give additional information regarding a particular subject.
Environmental notes	
	Environmental notes give you tips on minimising the impact that you and your vehicle have on the environment.

Operating safety

 **WARNING: The electronic systems fitted to your McLaren interact with each other. Tampering with these systems could cause malfunctions in other interconnected systems. Such faults could seriously endanger the operational safety of your McLaren and your own safety.**
Additional work or modifications made to the vehicle, which have been carried out incorrectly can also affect its operating safety.

Vehicle use

Observe the following when using your McLaren:

- The safety notes throughout this information
- Road traffic laws and regulations

 **WARNING: There are various warning labels attached to your McLaren. These are intended to make you and others aware of various risks. Do not remove any warning labels from the vehicle.**

If you remove these warning labels, you or others may not then be aware of dangers, which may result in an injury.

Ground clearance

WARNING: Damage to the underside of the vehicle may occur when approaching steep inclines or declines.

Drive with care when:

- approaching kerbs.
- approaching steep inclines.
- departing steep declines.
- driving on rough roads.
- driving in areas where traffic calming measures have been deployed.
- driving in any other environment where sudden change of road surface height or elevation are encountered such as car parks.

See Vehicle dimensions, page 7.05.

Maximum velocity attempts

Maximum velocity can only be reached using Velocity mode, see Velocity Mode, page 2.23.

Before any maximum velocity attempt is made, a number of vehicle checks must be carried out, see Checks for achieving maximum velocity, page 1.39.

NOTE: Before you use your vehicle for a maximum velocity attempt using Velocity mode consult your McLaren retailer. McLaren recommend that your vehicle is inspected before and after high speed use.

NOTE: Always drive within your limits and the limits of the vehicle.

Cooling down

McLaren recommend that you take time to cool the vehicle down during high speed driving, due to the high temperatures that may be generated by the brakes and transmission which could affect performance. Time should be taken to drive the vehicle at a slower speed without using hard braking or carrying out excessive gear changes, this uses the airflow to cool the vehicle.

McLaren recommend that time is allowed for your vehicle to return to normal operating temperatures before returning to the public road.

NOTE: When stopping the vehicle directly after performance driving, McLaren recommend that the ignition is not immediately switched off or parking brake applied. McLaren recommend that the engine is left to idle prior to the ignition being switched off.

NOTE: Please refer to your Service and Warranty Guide for track and competition use implications.

Stored data

There are a number of components in your vehicle which collect data and store it temporarily or permanently. This technical data provides information relating to areas such as the condition of the vehicle, any events which have taken place and any malfunctions your vehicle may be experiencing or has experienced in the past.

These include, for example:

- operating conditions of system components, e.g. fluid levels.
- the vehicle's status messages and those of its individual components, e.g. 'Windscreen washer fluid low'.
- malfunctions and defects in important system components, e.g. 'Light switch fault'.
- vehicle reactions and operating conditions in special driving situations, e.g. air bag deployment.
- ambient conditions, e.g. outside temperature.

This data is of an exclusively technical nature and can be used to:

- assist in recognising and rectifying faults and defects.
- analyse vehicle functions, e.g. after an accident.
- optimise vehicle functions.

The data cannot be used to trace the vehicle's movements.

When your vehicle is serviced, technical information can be read from the vehicle including:

- repair service history.
- warranty events.
- quality assurance.

This information can be read by employees of the service network (including manufacturers) using special diagnostic testers. More detailed information can be obtained from it, if required.

After a fault has been rectified, the information is deleted from the fault memory or is continually overwritten.

When operating the vehicle, situations may occur where technical data, in connection with other information, could be traced to a person.

Examples include:

- accident reports.
- damage to the vehicle.
- witness statements.

McLaren will not access your behaviour related information about a crash event or share it with others except:

- with the consent of you or, if the vehicle is leased, of the lessee.
- in response to an official request of police or similar government office.
- as part of the manufacturer's defence in case of legal proceedings.
- as required by law.

In addition, McLaren may use the collected or received diagnostic data:

- for McLaren research needs.
- to make it available for research needs where appropriate confidentiality is maintained and need is shown.
- to share summary data which is not tied to a specific vehicle with other organisations for research purposes.

General

The vehicle can be unlocked or locked either by using the keyless entry feature, or by pressing the appropriate button on the key fob.

The keyless entry feature requires the key fob to be within 0.5 m (1 ft 8 in) of the sensors.

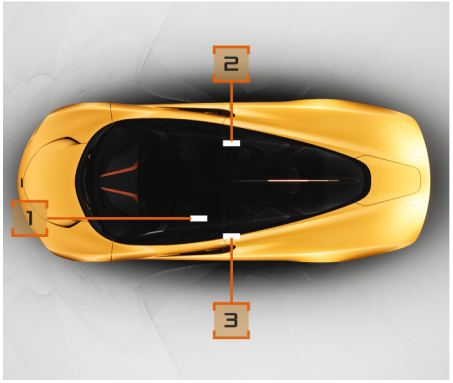
The vehicle has powered doors, which can be automatically opened and closed using the keyless entry buttons, overhead console door switches or the key fob.

Provided that the engine is not running, the vehicle can be locked irrespective of the electrical status, see Vehicle electrical status, page 2.02.

Keyless entry

Keyless entry allows the user to unlock and disarm the vehicle by simply opening the door when the key fob is within 0.5 m (1 ft 8 in) of the sensors. The key fob needs only to be on the user's person or in a non-metallic container such as a bag. It does not need to be exposed or handled.

Three sensors detect where the key fob is around the vehicle.



1. In vehicle sensor
2. Right hand door sensor
3. Left hand door sensor

Key fob entry

Your McLaren includes two remote control key fobs. The key fob allows you to remotely lock and unlock the vehicle.

NOTE: To prevent theft, only use the key fob in the immediate vicinity of the vehicle.

The key fob locks and unlocks the following:

- The doors
- The front luggage compartment
- The rear luggage compartment
- The fuel filler flap
- The right hand service panel
- The left hand and right hand dashboard stowage compartments

To unlock the vehicle, using the key fob, press the unlock button. The front, rear and side direction indicators flash twice and the anti-theft alarm system will be deactivated.

The unlock button operation changes depending whether the **Left door**, **Right door** or **Both doors** is selected in the vehicle settings, see Security, page 4.14.

WARNING: The key fob allows the engine to be started and is also used to activate other features on the vehicle.
Take the key fob with you, every time you leave the vehicle.

NOTE: Do not expose the key fob to high levels of electromagnetic radiation. Doing so may cause it to function incorrectly. For example close proximity to laptops, tablets, personal media players, or mobile phones.

Unlock Button	Outcome
Single Press	If **Both doors** is selected, a single press of the button unlocks both doors. If **Left door** is selected, a single press of the button unlocks the left hand door. A second press (after a pause) unlocks the right hand door. If **Right door** is selected, a single press of the button unlocks the right hand door. A second press (after a pause) unlocks the left hand door.

Unlock Button	Outcome
Double Press	If **Both doors** is selected, a double press of the button unlocks and opens both doors. If **Left door** is selected, a double press of the button unlocks and opens the left hand door only. If **Right door** is selected, a double press of the button unlocks and opens the right hand door only.

Unlock Button	Outcome
Long Press	A press and hold of the unlock button unlocks and opens both doors.

WARNING: Always stand to the rear of the door before opening it, as the opening action may cause injury.

NOTE: Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door, see Vehicle dimensions, page 7.05.

Stowing the key fob

For security, it is recommended that the key fob stays on your person when you are in the vehicle. If, however, you wish to stow the key fob within the vehicle, ensure that it is not left in plain view.

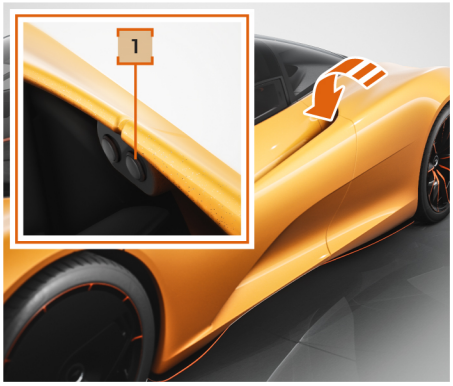
NOTE: If the message 'Key not found within vehicle' appears on the Driver Display, reposition the key fob until it is detected.

NOTE: Do not stow the key fob in the centre console stowage compartment, in the cup holders, in the stowage nets between the seats, in the door stowage compartments, or on the shelf immediately behind the seats as the system may not detect its presence and the engine will not start.

Discharged battery

If you experience a fully discharged battery, the vehicle can still be opened using the mechanical key, see Unlocking - discharged battery, page 6.30.

Opening a door



1. If using the keyless entry feature, firmly press the front button (1), located within the side duct, to unlock the door. The front, rear and side direction indicators will flash twice, and the anti-theft alarm system will be deactivated.

NOTE: The keyless entry feature requires the key fob to be within 0.5 m (1 ft 8 in) of the sensors.

WARNING: Always stand to the rear of the door before opening it, as the opening action may cause injury.

NOTE: Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door, see Vehicle dimensions, page 7.05.

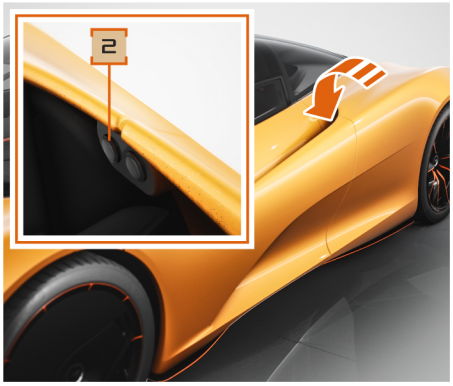
2. Press and hold the button for two seconds, the door will then automatically open outwards and upwards. Once the door has started to open, the button can be released and the door will continue to open fully.

NOTE: If the vehicle is unlocked using the key fob but the doors or luggage compartments are not opened, the vehicle will relock after 30 seconds.

NOTE: An unlatched door can be pushed up manually. Once the door has started to move, the automatic operation will continue to lift the door until it is fully open.

NOTE: If a keyless entry button, overhead console door switch or the key fob lock/unlock button is pressed while a door is in the process of automatically opening or closing, the process will stop. In order to continue the automatic open/close process, a keyless entry button, overhead console door switch or a key fob button must be pressed again.

Closing a door



Firmly press and hold the rear button (2), located within the side duct, for two seconds to close the door. Once the door has started to close, the button can be released and the door will continue to close fully.

WARNING: Always stand to the rear of the door before closing it, as the closing action may cause injury.

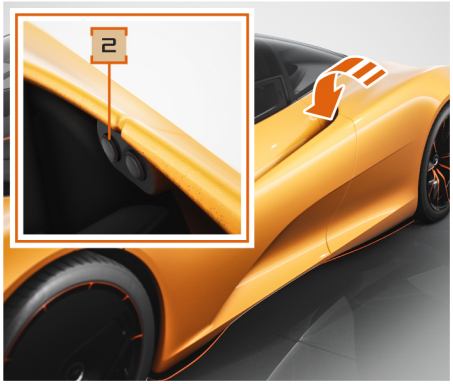
WARNING: Keep hands and other objects clear of the door edge when closing. The door will automatically close and the anti-trap feature may not detect an object or body part preventing closure, serious injury and vehicle damage may occur.

NOTE: If a keyless entry button, overhead console door switch or the key fob lock/unlock button is pressed while a door is in the process of automatically opening or closing, the process will stop. In order to continue the automatic open/close process, a keyless entry button, overhead console door switch or a key fob button must be pressed again.

Locking a door

1. Close the door. See Closing a door, page 1.05.
2. To lock the vehicle using the key fob, press the lock button. The front, rear and side direction indicators flash in a rapid, circular sequence around the vehicle. The anti-theft alarm system is activated.

NOTE: Any door(s) still open when the lock button is pressed, will automatically close and lock.



3. If using the keyless entry feature, firmly press the rear button (2), located within the side duct.

NOTE: The keyless entry feature requires the key fob to be within 0.5 m (1 ft 8 in) of the sensors.

NOTE: Any door(s) still open when the lock button is pressed, will automatically close and lock.

4. The front, rear and side direction indicators flash in a rapid, circular sequence around the vehicle to indicate that the anti-theft alarm system is activated.

Mislock

If either the doors or the luggage compartments are left open, or the key fob is still inside the vehicle, the horn will sound indicating mislock when an attempt to lock the vehicle is made.

Check that the doors and luggage compartments are all closed, then relock the vehicle.

Individual settings

If you frequently travel without passengers, you can change the locking system so that only one of the doors are unlocked, see Door unlock, page 4.15.

If only one of the doors have been configured to unlock, the other door can only be unlocked by either pulling the internal door handle, pressing the unlock button on the key fob again or by unlocking the vehicle from the central locking button located on the dashboard.

Locking and unlocking from inside

1. Press the central locking button to lock the vehicle, the light in the button will illuminate to indicate that the vehicle is locked. A door can be opened from inside the vehicle.

NOTE: Any door(s) still open when the lock button is pressed, will automatically close and lock.

2. Press the central locking button again to unlock the vehicle and the light in the button will be extinguished.

Opening and closing a door from inside

A door can be opened from inside the vehicle at any time, even if it has been locked. Open the doors only if the vehicle is stationary and road and traffic conditions permit.

NOTE: Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door.

Switches for both doors are located on the overhead console.

1. Left-hand door switch.
2. Right-hand door switch.

Press switch (1) or (2) and the door will automatically open.

NOTE: An unlatched door can be pushed up manually. Once the door has started to move, the automatic operation will continue to lift the door until it is fully open.

Pull switch (1) or (2) and the door will automatically close.

WARNING: Keep hands and other objects clear of the door edge when closing. The door will automatically close and the anti-trap feature may not detect an object or body part preventing closure, serious injury and vehicle damage may occur.

NOTE: If a keyless entry button, overhead console door switch or the key fob lock/unlock button is pressed while a door is in the process of automatically opening or closing, the process will stop. In order to continue the automatic open/close process, a keyless entry button, overhead console door switch or a key fob button must be pressed again.

Automatic locking

The doors and the luggage compartments lock automatically after the vehicle has driven away.

NOTE: The doors unlock automatically in an accident if the force of the impact exceeds a predetermined level.

The automatic locking function is selectable in the vehicle settings section of the McLaren Infotainment System (MIS), see Automatic door locking, page 4.14.

If automatic locking is ON, the interior central locking button will illuminate once the vehicle locks on drive away.

Front luggage compartment

WARNING: Do not exceed luggage compartment maximum load. See Vehicle weights, page 7.07.

NOTE: The luggage compartments will only open if the vehicle is stationary and neutral is selected.
A message will display on the Driver Display if the luggage compartment is open when pulling away.

NOTE: When a luggage compartment is unlatched or open, gear selection will be inhibited. Press and hold D or R for 5 seconds to override this and select a gear if there is a need to manoeuvre the vehicle.

WARNING: Only manoeuvre the vehicle at low speed a luggage compartment is open or unlatched as the drivers' view may become obscured.

Opening

Press the front luggage compartment release button on the key fob, the front luggage compartment will fully unlock and open slightly.

Alternatively, press the dashboard button to fully unlock and slightly open the luggage compartment.

Lift the front of the luggage compartment lid, the gas struts will support it in the fully open position.

Closing

Pull the luggage compartment lid down firmly and ensure that it is latched securely.

NOTE: Do not leave the key fob in the luggage compartment, as the vehicle may lock, and you may be locked out of the vehicle.

NOTE: If the vehicle had previously been locked, it will still be locked and the direction indicators will flash as the lid closes.

The luggage compartment will become alarmed as soon as the luggage compartment lid is closed.

NOTE: The vehicle can be locked/alarmed with the luggage compartment open. This will allow you to charge the battery while leaving the rest of the vehicle locked. A long tone sounds to alert you to this.

Rear luggage compartment

WARNING: Do not exceed luggage compartment maximum load. See Vehicle weights, page 7.07.

NOTE: The luggage compartments will only open if the vehicle is stationary and neutral is selected.
A message will display on the Driver Display if the luggage compartment is open when pulling away.

NOTE: When a luggage compartment is unlatched or open, gear selection will be inhibited. Press and hold D or R for 5 seconds to override this and select a gear if there is a need to manoeuvre the vehicle.

WARNING: Only manoeuvre the vehicle at low speed if a luggage compartment is open or unlatched as the driver's view may become obscured.

Opening

Press the rear luggage compartment release button on the key fob, the rear luggage compartment will fully unlock and open slightly.

Alternatively, press the dashboard button to fully unlock and slightly open the luggage compartment.

Lift the rear of the luggage compartment lid, the gas struts will support it in the fully open position.

Closing

Pull the luggage compartment lid down firmly and ensure that it is latched securely.

NOTE: Do not leave the key fob in the luggage compartment, as the vehicle may lock, and you may be locked out of the vehicle.

NOTE: If the vehicle had previously been locked, it will still be locked and the direction indicators will flash as the tailgate closes.

The luggage compartment will become alarmed as soon as the luggage compartment lid is closed.

Engine cover

Removal

WARNING: The engine cover can be very hot and there is a risk of severe burns. Only remove the engine cover once it has cooled down.

WARNING: The exhaust tail pipes can be very hot and there is a risk of severe burns. Only remove the engine cover from the side of the vehicle.

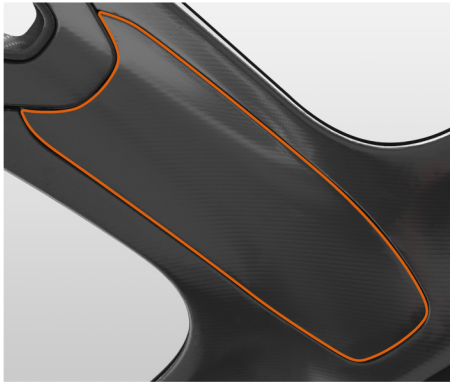
WARNING: There is a risk of injury if the engine cover is removed, even when the engine is not running. Engine components become very hot and there is a risk of severe burns. The engine ignition system carries a high voltage. Never touch ignition system components; ignition coils, ignition wiring (spark plug connections).

1. Open the rear luggage compartment.

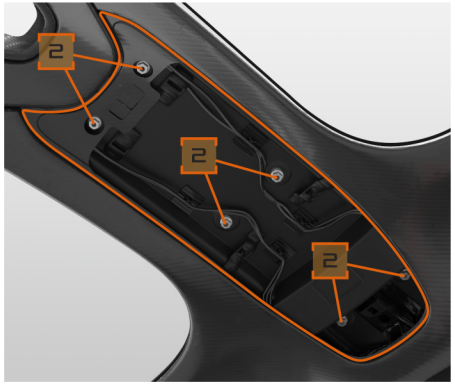
   See Rear luggage compartment, page 1.10.

2. Remove the two bolts (1) from the rear of the engine cover.

NOTE: Ensure the position of any installed shims is noted when the bolts are removed.



3. Carefully release and remove the rear headliner.



4. Remove the six nuts (2) from the underside of the engine cover.

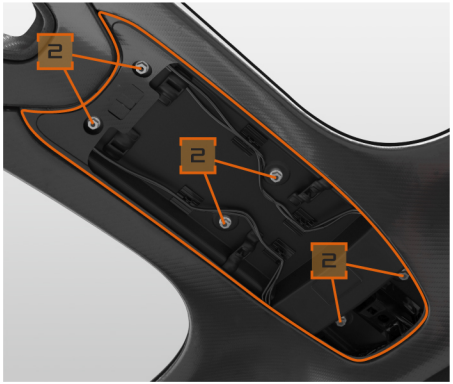
5. With assistance, carefully lift the rear of the engine cover and release the electrical connector (3).
6. With assistance, carefully lift up and remove the engine cover from the vehicle.

Installation

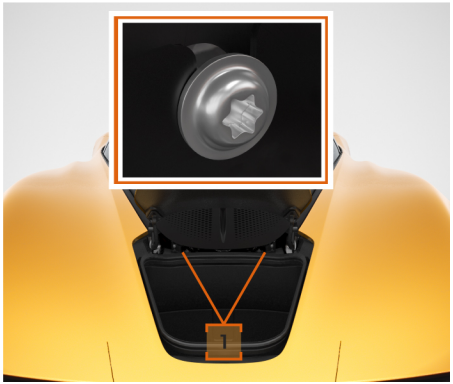
WARNING: The exhaust tail pipes can be very hot and there is a risk of severe burns. Only install the engine cover from the side of the vehicle.

1. With assistance, carefully position the engine cover on the vehicle.

2. Connect the electrical connector (3).



3. Fit and tighten the six nuts (2).
4. Carefully fit and secure the rear headliner.



5. Fit and tighten the two bolts (1).

NOTE: Ensure any previously removed shims are replaced.

6. Close the rear luggage compartment.

See Rear luggage compartment, page 1.10.

Anti-Theft System

Alarm system

A visual and audible alarm is triggered if the alarm system is armed and any of the following are opened:

- A door
- The front luggage compartment lid
- The rear luggage compartment lid

NOTE: The alarm remains triggered even if you close the open aperture. To silence the alarm, unlock the vehicle.

The alarm system also incorporates the following features:

- Tow-away protection
- Dashboard stowage compartments status detection

NOTE: The dashboard stowage compartments must be closed for the Auto Alarm to become armed.

Arming the alarm system

Lock the vehicle (using the keyless system or the key fob). The anti-theft alarm system will be armed after approximately 5 seconds.

The light in the central locking button will illuminate for approximately 60 seconds after locking the vehicle, the light will continue to flash beyond this time.

Disarming the alarm system

Unlock the vehicle (using the keyless system or the key fob), the alarm will disarm and the light in the central locking button will stop flashing.

Immobiliser

The immobiliser prevents your McLaren from being started by an unauthorised person.

The vehicle is automatically immobilised when it senses that there is no key fob present in the vehicle.

Remobilisation occurs when a key fob is sensed inside the vehicle.

NOTE: Immobilisation will only occur if the engine is not running.

Tow-away protection

Tow-away protection is designed to prevent any attempt to steal the vehicle by suspended tow or lifting onto a trailer.

The alarm is triggered if the vehicle is raised or tilted in any way.

Tow-away protection is armed approximately 30 seconds after the vehicle has been locked and is disarmed when the vehicle is unlocked.

Disabling tow-away protection

1. To disable tow-away protection, switch off the ignition and press the button on the dashboard. The light in the switch will illuminate to indicate that tow-away protection has been disabled.

NOTE: You cannot disable tow-away protection if the ignition is switched on.

2. Lock the vehicle (using the keyless system or the key fob). Tow-away protection remains disabled until you unlock the vehicle.

Safety

WARNING: Adjust the driver's seat when the vehicle is stationary. You may not be able to observe road and traffic conditions and you could lose control of the vehicle as a result of the seat moving. You could therefore cause an accident.

WARNING: The seats can be moved even without a key fob in the vehicle. Do not leave children unattended in the vehicle, they could be injured if a seat is moved accidentally.

WARNING: Ensure that no one can become trapped as the seat moves. To reduce the risk of injuries in the event of an accident, observe the following:

- **All vehicle occupants must select a seat position that allows the seat belt to be worn correctly, but is as far away from the front air bags as possible. The position of the driver's seat must allow the driver to drive the vehicle safely. The distance from the driver's seat to the pedals must be such that the driver can fully depress the pedals. The distance between the driver's chest and the centre of the air bag cover must be more than 25 cm (10 in). The driver's arms should be slightly bent when holding the steering wheel.**
- **Vehicle occupants must always wear their seat belt correctly.**

WARNING: The seats and seat belts in your McLaren are not suitable for additional child restraints (for example, child seat or booster seat). McLaren does not recommend the use of child seats in this vehicle. Children under 1.5 m (4 ft 11 in) tall or younger than 12 years of age or who would normally use an additional child restraint must not travel in this vehicle.

Seat adjustment

Seat forward and rearward adjustment

NOTE: Only the driver's seat position can be adjusted.

NOTE: It is only possible to adjust the forward and rearward position of the seat.

Lift the lever, move the seat to the desired position and release the lever to lock the seat.

WARNING: Ensure the seat is locked in position before driving.

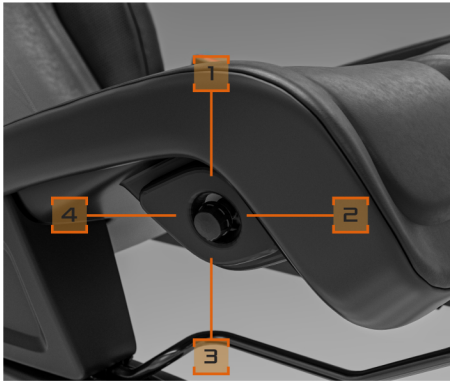
NOTE: Ensure that there are no items of luggage in the footwell or behind, underneath or to the side of the seats. This may lead to the seats being damaged.

Seat height adjustment

For seat height adjustment, contact your McLaren retailer.

WARNING: Seat height adjustment should only be carried out by your McLaren retailer.

Seat lumbar adjustment



Press (1) to raise or (2) to lower the position of the lumbar support.

Press (3) to inflate or (4) to deflate the lumbar support.

Steering Wheel and Steering Column

Steering wheel adjustment

WARNING: Only adjust the steering wheel position when the vehicle is stationary. You may not be able to observe road and traffic conditions. This could lead to you losing control of the vehicle which may result in an accident.

The steering wheel position may be adjusted for height and reach using the column control switch when the vehicle is in any awake mode, see Vehicle electrical status, page 2.02.

The column control switch is located on the left-hand side of the steering column.

1. Height: Raise
2. Height: Lower
3. Reach: Away
4. Reach: Towards

Moving the column control switch in directions 1 & 2 adjusts the steering wheel height, raising or lowering the wheel's position.

Moving the column control switch in directions 3 & 4 adjusts the steering wheel reach, moving it closer or further away.

NOTE: The column control switch will only adjust the steering wheel in one direction at a time.

Using the column control switch, position the steering wheel so that:

- your arms are slightly bent when you hold the wheel.
- you can move your legs freely.
- you can see all the information on the Driver Display clearly.

Comfort entry/exit

When comfort entry/exit is active, the steering wheel and column will move fully inwards (away from the driver) and to its highest position when the engine is off and the driver's door is opened.

To switch the feature on or off, see Comfort Entry/Exit, page 4.12.

You can return the steering wheel and column to its most recent position using the control stalk on the left of the steering column.

WARNING: Ensure that your hands are kept clear of the wheel and column as the steering wheel moves.

NOTE: Any automatic movement can be cancelled with any input from the column control switch.

Horn

Press the centre of the steering wheel to operate the horn.

NOTE: The horn can be operated when the ignition is switched off.

Seat belts

Seat belts and child restraint systems are the most effective means of restraining vehicle occupants from impact forces, which minimises the danger of injury from interior impacts and the effects of whiplash.

⚠ **WARNING: A seat belt which is not worn, worn incorrectly, or has not been engaged fully in the seat belt buckle, cannot perform its intended function. To avoid injuries, ensure that all vehicle occupants wear their seat belt correctly at all times.**
Ensure that the belt:

- **is routed as low as possible across your pelvic area, i.e. across your hip joints and not across your abdomen.**
- **fits closely.**
- **is not twisted.**
- **is routed across the middle of your shoulder.**
- **lies flat across the mid point of the collar bone between the neck and shoulder.**
- **fits closely across your pelvis by pulling the shoulder belt upwards.**

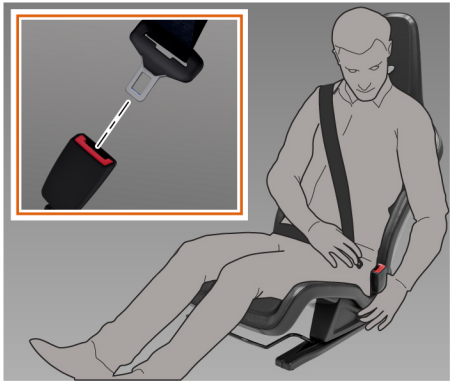
Do not secure any objects with a seat belt if the seat belt is being used by a vehicle occupant.
Avoid wearing bulky clothing.
Do not route the belt across sharp edged or fragile objects especially if these are on or in your clothing. The seat belt could be damaged and you could be injured.
Only one person should use each seat belt at any one time.
Never allow children to travel on the lap of another occupant.

⚠ **WARNING: The seats and seat belts in your McLaren are not suitable for additional child restraints (for example, child seat or booster seat). McLaren does not recommend the use of child seats in this vehicle. Children under 1.5 m (4 ft 11 in) tall or younger than 12 years of age or who would normally use an additional child restraint must not travel in this vehicle.**

⚠ **WARNING: Pregnant women should wear a seat belt to ensure maximum safety of mother and unborn child. Position the lap belt across the hips, beneath the abdomen and position the shoulder belt between the breasts and to the side of the abdomen. Ensure the belt is not slack or twisted.**

⚠ **WARNING: The seat belt cannot perform its function correctly if the seat belt or buckle becomes excessively dirty or damaged. Ensure the belt latch engages the buckle fully.**
Check the seat belts regularly to ensure that they are not damaged, or routed over sharp edges and are not trapped. The belt could tear in an accident, causing injury to occupants. Have seat belts checked if the belts have been damaged or subjected to a heavy load. Work on the seat belts should only be carried out by your McLaren retailer.

Wearing a seat belt



1. Ensure that you are seated comfortably and the controls are within easy reach.
2. Grasp the seat belt latch and pull across the body, ensuring that the belt lies flat across the mid point of the collar bone between the neck and shoulder, then across the chest and pelvis.
3. With the belt correctly positioned insert the latch into the buckle and press until a click is heard to confirm engagement.

   Check engagement by attempting to pull the latch from the buckle.

Seat belt tensioners

The seat belts incorporate belt tensioners. Belt tensioners apply tension to the seat belts in an accident, pulling them tight against the occupant.

WARNING: Do not insert the belt latch into the passenger's seat belt buckle if the passenger's seat is unoccupied. The belt tensioners could be triggered in an accident.

WARNING: Belt tensioners do not correct an incorrect seating position or incorrectly worn seat belts. Belt tensioners do not pull occupants back towards the backrests.

The belt tensioner will be triggered for each seat belt, provided the belt latch is engaged in the seat belt buckle, if a head-on or rear-end collision occurs and the vehicle decelerates or accelerates rapidly.

If the belt tensioners are triggered, a bang will be heard, a small amount of dust may be released and the supplementary restraint system warning light will illuminate.

WARNING: Once triggered (or if you are unsure if they have triggered) you MUST not drive the vehicle. Contact your nearest McLaren retailer immediately.

Belt force limiters

The seat belts incorporate belt force limiters. Belt force limiters are tuned to the front air bags and gradually release the tension being applied to the belts during an impact, reducing the force exerted on occupants.

Seat belt warning light

The seat belt warning light on the Driver Display and a warning tone reminds vehicle occupants to fasten their seat belts. The seat belt warning light extinguishes and the warning tone ceases when the driver and passenger have fastened their seat belt.

Supplementary restraint system (SRS)

Air bag system

Your McLaren is equipped with a driver's front air bag in the steering wheel.

WARNING: Correct operation of the air bag can only occur if the steering wheel is not covered.

WARNING: Air bag is not a substitute for correctly worn seat belts, it enhances the level of occupant protection offered by a seat belt.

WARNING: To reduce the risk of injuries in the event of an accident, observe the following points:

- **Ensure that the driver's chest is at least 25 cm (10 in) from the air bag cover.**
- **Do not lean forward over the dashboard while the vehicle is in motion.**
- **Do not rest your feet on the dashboard.**
- **Only hold the steering wheel by the outside of the rim. You could be injured if the air bag deploys and you are holding the inside of the steering wheel.**
- **Occupants must not lean on the doors from inside the vehicle.**
- **Ensure that there are no other objects between the vehicle occupants and the deployment area of the air bag.**
- **Because of the high speed at which an air bag deploys, there is a risk of injuries caused by an inflating air bag.**

Air bag replacement

WARNING: McLaren recommend that air bags are replaced every 15 years to prevent air bags from not firing due to component operating life.

Air bag system modification

If it is necessary to modify the air bag system to accommodate a person with disabilities, please contact your nearest McLaren retailer. For more information on McLaren retailers, please refer to your Service and Warranty Guide.

Front air bag

The driver's front air bag (1) deploys in front of the steering wheel.

The front air bag is deployed if the system determines it can offer additional protection for occupants against head and chest injuries.

Air bag deployment

In the event of a collision, the air bag is deployed by the supplementary restraints system to protect the vehicle occupants. The system can partially or fully inflate the air bag depending on the severity of the collision to provide the best possible protection to the vehicle occupants.

The system uses sensors to rapidly evaluate the collision severity. Once all these factors are known, the system will then deploy the necessary air bag and regulate the inflation pressure in the impact zone to ensure the occupant's safety.

After an accident, the air bag begins to depressurise almost immediately after the inflation process has taken place. The gas used to inflate the air bag escapes through vents in the air bag and this helps reduce the occurrence of major impact injuries to the occupants.

An air bag slows down and restricts the movement of the vehicle occupant reducing the load on the body, but is not a substitute for a correctly worn seat belt.

WARNING: If the air bag is deployed, a bang will be heard and a small amount of fine powder may be released. The noise will not damage your hearing and the powder does not constitute a health hazard nor does it imply that a fire has broken out. This powder could cause short term breathing difficulties for persons suffering from asthma or other respiratory conditions. To prevent breathing difficulties, leave the vehicle as soon as possible or open a window.

WARNING: After the air bag has been deployed, air bag parts are hot, do not touch them. Have the air bag replaced at your McLaren retailer.

Supplementary restraint system (SRS) warning light

The supplementary restraint system performs a self-test at regular intervals when the ignition is switched on and the engine is running.

The warning light on the Driver Display illuminates when the ignition is switched on and extinguishes 5 seconds after the engine is started.

WARNING: Contact your McLaren retailer immediately should any of the following occur:

- **The warning light does not illuminate when you switch on the ignition**
- **The light does not extinguish 5 seconds after the engine is running**
- **The light illuminates again, after the engine has started**

Safety features

If you are unfortunate enough to be involved in an accident, the following events will occur to assist you and any recovery personnel:

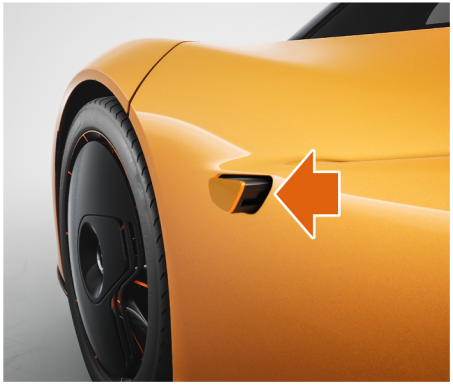
- The doors will unlock
- The hazard warning lights will switch on
- The interior lighting will switch on

In some instances, the fuel system will also be switched off.

Child passengers

WARNING: The seats and seat belts in your McLaren are not suitable for additional child restraints (for example, child seat or booster seat). McLaren does not recommend the use of child seats in this vehicle. Children under 1.5 m (4 ft 11 in) tall or younger than 12 years of age or who would normally use an additional child restraint must not travel in this vehicle.

Camera monitor system (CMS)



The Camera Monitor System (CMS) replaces the conventional exterior mirrors with a camera mounted on each side of the vehicle, just behind the front wheels. The cameras are automatically deployed when the vehicle is unlocked and retract again when it is locked. The feature can be disabled and the cameras permanently deployed, see Automatic Folding, page 4.12.

NOTE: If the bodywork surrounding the CMS cameras is especially dirty, clean the camera surround before the camera is allowed to retract.

The live video feed is displayed on the two outer screens when the function is active.

NOTE: If the video feed is blurred or unclear, carefully clean the lens with water and a soft cloth.

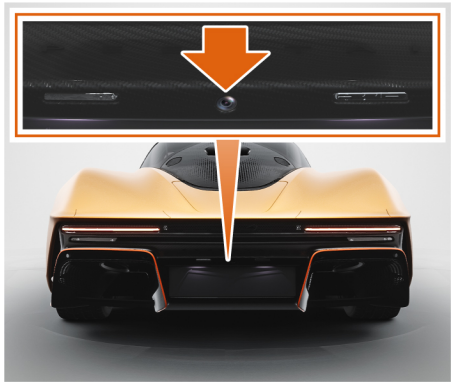
The brightness of the displayed video feed can be adjusted using the settings on the McLaren Infotainment System (MIS), see Notifications and settings, page 4.03.

The CMS cameras can be heated in order to remove frost and condensation from the lens, see Heated Camera Monitor System (CMS) lenses, page 5.09.

NOTE: If a fault occurs with the CMS, the Rear View Camera (RVC) can temporarily be used as a substitute to visualise the rear view. See Rear view camera (RVC), page 1.27. Contact your McLaren retailer.

NOTE: The RVC must only be used as a substitute for the CMS in the event of a CMS failure, not under normal conditions.

Rear view camera (RVC)



The rear view camera (RVC) is mounted in the centre of the rear bumper. The live video feed is displayed on the Driver Display when the function is active.

NOTE: If the video feed is blurred or unclear, carefully clean the lens with water and a soft cloth.

A coloured grid is overlaid onto the live video feed as a guide to the proximity of visible objects to the rear of the vehicle.

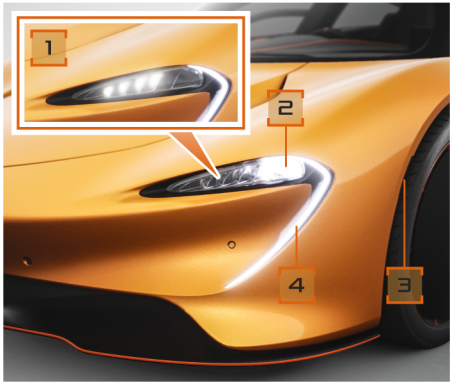
NOTE: The rear view camera is for guidance only and is not intended to replace the driver's visual checks for obstructions when manoeuvring. The rear view camera may not show some obstructions in certain ambient light or weather conditions.

The RVC is automatically activated when reverse gear is selected and automatically deactivated 10 seconds after a forward gear is selected or immediately if the vehicle's forward speed exceeds 6 mph (10 km/h).

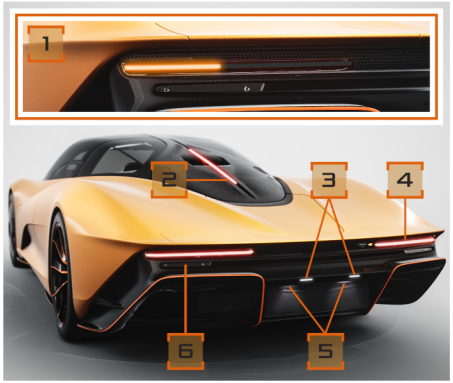
The RVC can be manually activated by selecting **Rear view camera** from the **Vehicle info** menu, see Driver Display, page 3.04.

When the RVC has been manually activated, it can be deactivated by pushing the control stalk away from you.

Exterior lighting



1. Headlamp main beam
2. Headlamp dipped beam
3. Direction indicator/Daytime running lamp/Sidelamp



1. Direction indicator
2. Central high mounted stop lamp
3. Reverse lamp and rear fog lamp
4. Stop Lamp/Tail lamp
5. Licence plate lamp
6. Reflector

Light switch

WARNING: The lights do not switch on automatically in foggy conditions. Automatic light control is only an aid, you are responsible for the vehicle's lighting at all times.

The light switch is located between the steering wheel and the driver's door and has the following positions.

At position (0), the lights are off with the exception of daytime running lamps and tail lamps.

At position (0), the lights are off.

Rotate the control to position (A) for automatic light control.

Rotate the control to position (1) for sidelamps or position (2) for headlamps. The sidelamp warning light illuminates on the Driver Display.

Automatic light control

The sidelamps and dipped beam headlamps are switched on automatically when ambient light falls below a predetermined level.

To switch on automatic light control, turn the light switch to position (A).

NOTE: If the vehicle detects rain whilst the light switch is set to position (A) the dipped beam headlamps will switch on automatically, regardless of current external light levels.

NOTE: With the light switch in position (A) and the rear fog lamp switched on, the dipped beam headlamps will also switch on irrespective of ambient light conditions. When the rear fog lamp is switched off, the dipped beam headlamps will also switch off dependent on ambient light conditions.

Sidelamps

The sidelamps and the daytime running lamps are a combined series of light-emitting diodes located below the headlamp. The sidelamps operate at a lower intensity than the daytime running lamps, see Daytime running lamps, page 1.31.

The sidelamps are a combined series of light-emitting diodes located below the headlamp.

The sidelamps, tail lamps and licence plate lamps illuminate when the light switch is turned to position (1).


The sidelamp notification light on the Driver Display illuminates.

NOTE: The dipped beam headlamps will also switch on automatically if ambient light falls below a predetermined level.

Dipped beam headlamps

To switch on the headlamps, turn the light switch to (2).


The dipped beam notification light on the Driver Display illuminates.

NOTE: On your McLaren, the same headlamp dipped beam setting applies for driving on either the left-hand or right-hand side of the road.

Main beam headlamps

To switch to main beam, push the stalk away from you.

The main beam headlamp notification light illuminates on the Driver Display.

Pull the stalk towards you, to revert to dipped beam.

Headlamp flash

Pull the stalk fully towards you.

The main beam headlamps operate for as long as the stalk is held.

The main beam headlamp notification light illuminates on the Driver Display.

Headlamps

Static Adaptive Headlamps

With the headlamps on, the Static Adaptive Headlamps adjust the beams when cornering, providing improved illumination in the direction of travel.

Motorway Function lighting

The Motorway Function lighting improves the headlamp illumination range when the vehicle speed exceeds a predetermined threshold.

Daytime running lamps

Your McLaren is fitted with daytime running lamps which, along with the tail lamps, illuminate automatically when the ignition is switched on even if all lights are switched off. The sidelamps and the daytime running lamps are a combined series of light-emitting diodes located below the headlamp. The daytime running lamps operate at a higher intensity than the sidelamps.

Rear fog lamp

WARNING: The lights do not switch on automatically in foggy conditions.

NOTE: The rear fog lamp only operates when the light switch is in position (A) or (2).

Press the rear fog lamp button in the centre of the light switch.

The rear fog lamp notification light on the Driver Display and the light in the switch both illuminate.

NOTE: With the light switch in position (A) and the rear fog lamp switched on, the dipped beam headlamps will also switch on irrespective of ambient light conditions. When the rear fog lamp is switched off, the dipped beam headlamps will also switch off dependent on ambient light conditions.

Direction indicators

Push the direction indicator/main beam stalk downwards (1) to switch on the left-hand direction indicator.

Push the direction indicator/main beam stalk upwards (2) to switch on the right-hand direction indicator.

The corresponding notification light on the Driver Display will flash.

The stalk returns to its rest position as the steering wheel returns to its central position.

Direction indicators - lane change

Move the direction indicator/main beam stalk until resistance is felt when changing lanes on a motorway. The appropriate direction indicator flashes three times.

For further information about the lighting see Light switch, page 1.28.

Hazard warning lamps

The hazard warning lamps operate even if the ignition is switched off. As a safety feature, they switch on automatically when an air bag is deployed.

Operating the hazard warning lamps

1. Press the hazard warning lamps button.
2. All the direction indicator lamps and both direction indicator warning lights on the Driver Display flash.
3. Press the hazard warning lamps button again to switch off.

NOTE: If the hazard warning lamps have been switched on automatically, press the hazard warning lamps button once to switch them off.

Panic alarm

The panic alarm function is designed to attract attention by sounding the horn and flashing the direction indicator lamps repeatedly.

The panic alarm can be switched on by pressing the hazard warning lamps button for a period of 3 seconds or more.

The horn will cease after the panic alarm has been active for 60 seconds, but the direction indicator lamps will continue to flash. The horn can be re-initiated by pressing the hazard warning lamps button for a period of 3 seconds or more.

To switch the panic alarm off, press the hazard warning lamps button briefly.

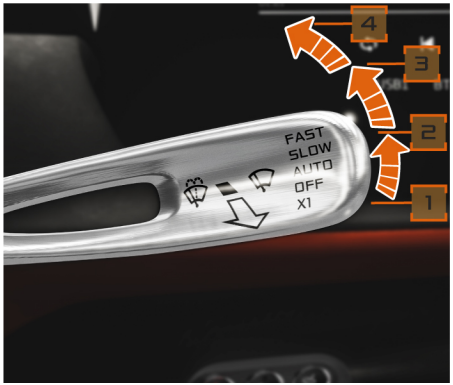
Parking lights

NOTE: The parking lights can only be activated when the ignition is switched off.

1. To activate the parking lights, press the direction indicator/main beam stalk down for the left-hand side or push up for the right-hand side until resistance is felt. The selected parking lights will illuminate once the vehicle has been locked.
2. To deactivate the parking lights, press the direction indicator/main beam stalk down for the left-hand side or push up for the right-hand side until resistance is felt. The selected parking lights will then be deactivated.

NOTE: To activate the parking lights on both sides, press the direction indicator/main beam stalk down then up. To deactivate, press the direction indicator/main beam stalk down then up again.

Windscreen wipers



1. Windscreen wipers off
2. Automatic wipe
3. Slow wipe
4. Fast wipe

NOTE: Switch off the windscreen wipers in dry weather, dirt can cause inadvertent wiper sweeps which could damage the wiper blades or windscreen.

Operating the windscreen wipers

1. Ensure the ignition is switched on.
2. Move the wiper stalk to the required position.

NOTE: If the windscreen wipers are switched on and the vehicle comes to a halt, the windscreen wipers automatically switch to intermittent wipe, until the vehicle moves away.

Automatic wipe

A rain sensor, located on the windscreen behind the interior mirror, measures the quantity of water on the windscreen and operates the wipers at the most appropriate speed.

To select, move the windscreen wiper stalk to the automatic wipe position (2).

The wipers will wipe once. The wipe frequency then depends on how wet the windscreen is.

Only select the automatic wipe position in damp weather conditions or when it is raining.

To adjust the sensitivity of the rain sensor, see Wiper sensitivity, page 4.12.

Slow wipe

Move the wiper stalk to position (3), to operate the wipers at slow speed.

Return the stalk to position (1) to switch off.

Fast wipe

Move the wiper stalk to position (4), to operate the wipers at fast speed.

Return the stalk to position (1) to switch off.

Single wipe

1. For a slow single wipe, briefly push the wiper stalk down and release. The wipers will operate once at slow speed, without washers.
2. For a fast single wipe, push and hold the wiper stalk down. The windscreen wipers will perform a continuous fast wipe until the stalk is released.

Windscreen wash/wipe

Pull the wiper stalk towards you.

The windscreen washers and wipers will initially operate at a slow speed while the stalk is held. If the stalk is held for more than 2 seconds, the wiper will operate at high speed.

When the stalk is released, the wipers will complete their cycle and return to the parked position. After a period of time the wipers will operate once more to wipe any remaining washer fluid from the windscreen.

NOTE: The position of the washer jets are set during vehicle manufacture and should not need adjusting. If a problem occurs, consult your McLaren retailer.

Wiper park positions

In addition to the normal park position, there are two alternative positions.

Ensure the vehicle is in Locked, Sleep or Awake mode.

Pull the wiper control stalk towards you, the wipers will move through the following park positions each time the stalk is pulled:

Winter park

The wipers are parked vertically to reduce the risk of damage to the wiper arms during periods of heavy snowfall and provide access for easier cleaning of accumulated snow.

Service park

The wipers are parked diagonally to provide access for replacing the wiper blades, see Replacing the wiper blade, page 6.39.

Normal park

The wipers are parked horizontally along the lower edge of the windscreen.

Vehicle lift

NOTE: If the vehicle lift icon on the Driver Display is amber, or a vehicle lift fault message appears on the Driver Display, the system is not available. Do not drive the vehicle at high speed and contact your McLaren retailer as soon as possible.

The vehicle lift menu offers the following options:

- Vehicle lift - Raise, page 1.36
- Vehicle lift - Lower, page 1.37

Vehicle lift gives you the option to raise or lower the vehicle dependent on the current ride height.

Vehicle ride height can only be raised when travelling at speeds below 31 mph (50 km/h). The vehicle will automatically lower at speeds above 37 mph (60 km/h).

NOTE: The suspension can be left fully raised for extended periods, but it may relax to a lower level over time.

If the vehicle is left in a raised position for a long period, a system reset may occur when the engine is next started to return the vehicle to normal ride height.

If vehicle lift is used when in motion, slight adjustments to the steering feel may be experienced, this is normal and does not affect the operation of the vehicle.

NOTE: Vehicle handling modes are inhibited when vehicle lift is lowering or raising.

NOTE: Vehicle lift will be unavailable if launch mode is active.

NOTE: Vehicle lift is only available when the engine is running.

Vehicle lift operation

Access to vehicle lift is obtained by pressing the button on the control stalk on the right of the steering column, whenever the engine is running and the doors are closed.

A confirmation tone will be heard when vehicle lift is activated.

NOTE: Vehicle lift is only available when the engine is running.

NOTE: Vehicle handling modes are inhibited when vehicle lift is lowering or raising.

NOTE: Vehicle lift will be unavailable if launch mode is active.

The vehicle lift menu will exit after the timeout duration has been exceeded if there is no activity on the menu.

Vehicle lift - Raise

WARNING: On no occasion should vehicle lift be used as a jacking system. Using vehicle lift to access below the vehicle may result in serious injury.

NOTE: When the vehicle is at normal ride height, you will only have the option to raise the vehicle.

Vehicle Lift

NOTE: Vehicle lift will be delayed if the vehicle experiences any excessive steering wheel input.

NOTE: Always check the vehicle lift icon on the display before driving your vehicle.

Before vehicle lift can be activated, the engine must be running. To raise the vehicle, activate the vehicle lift menu (see Vehicle lift operation, page 1.36) and then move the control stalk upwards.

The change in vehicle ride height is confirmed by an ascending audible tone. 'Vehicle raising' appears on the Driver Display and the vehicle lift icon will illuminate.

If the engine is stopped while the vehicle is raising, the system will stop and continue to raise only when the engine is restarted.

To change from raise to lower, move the control stalk downwards. The vehicle will start to lower, and the information displayed on the Driver Display will confirm the change.

When the vehicle is fully raised, an audible confirmation tone is heard. 'Ride height raised' appears on the Driver Display and the vehicle lift icon is illuminated while the vehicle remains raised.

If there is no further activity, the vehicle lift menu will exit after the timeout duration has been exceeded.

Vehicle lift - Lower

NOTE: To lower the vehicle while stationary, the engine must be running and the driver's door must be fully closed.

NOTE: When the vehicle is raised, you will only have the option to lower the vehicle.

NOTE: Do not drive at high speed whilst the vehicle is lowering. If the vehicle begins to auto lower, a descending audible tone is heard, and the vehicle lift menu will be displayed on the Driver Display allowing you control of the system.

NOTE: Always check the vehicle lift icon on the Driver Display before driving your vehicle.

Vehicle Lift

To lower the vehicle, activate the vehicle lift menu (see Vehicle lift operation, page 1.36) and then move the menu control stalk downwards.

The change in vehicle ride height is confirmed by a descending audible tone. 'Vehicle lowering' appears on the Driver Display and the screen vehicle lowering icon will illuminate.

To change from lower to raise, move the control stalk upwards. The vehicle will start to raise, and the information displayed on the Driver Display will confirm the change.

When the vehicle is lowered, an audible confirmation tone is heard. 'Ride height normal' appears on the Driver Display and the vehicle lift icon extinguishes.

If there is no further activity, the vehicle lift menu will exit after the timeout duration has been exceeded.

Maximum Velocity

Checks for achieving maximum velocity

McLaren recommends the following checks are carried out before any attempt to reach maximum velocity is made:

- Walk around the vehicle. Make sure that all exterior body components, panels, and static hub caps are securely fastened to the vehicle and are not likely to come loose.
- Check the tyres for any wear or damage. Consult your McLaren retailer if you have any concerns or are inexperienced in checking tyres.
- Check the DOT date on the tyres. Do not try to achieve maximum velocity with tyres that are more than 2 years old. See Tyre markings, page 6.41.
- Make sure tyre pressures are correct, see Cold tyre inflation pressures, page 7.08.
- Do not attempt to achieve maximum velocity if any warning lights or messages are shown on the Driver Display. Consult your McLaren retailer if you have any concerns or are unsure.
- Do not attempt to achieve maximum velocity on a banked track.
- Do not try to achieve maximum velocity with passengers on board.
- Do not make two maximum velocity attempts consecutively. Allow the tyres to cool between maximum velocity attempts by driving at speeds of less than 217 mph (350 km/h) for at least 10 minutes.
- Do not attempt to achieve maximum velocity more than 4 times on the same set of tyres. Replace all four tyres after 4 maximum velocity attempts have been made.
- Maximum velocity can only be achieved using Velocity mode. See Velocity Mode, page 2.23.
- Check the engine oil level is correct. See Engine oil, page 6.02.
- Ensure the HV battery is optimally charged.
- Drive the vehicle for at least 5 minutes to make sure the driver is comfortable with the setup.

Vehicle electrical status

The vehicle will implement one of the following statuses according to the criteria detailed.

NOTE: The engine can be started from any of the following states, except Locked. If the vehicle is in Sleep mode, the START/STOP button will need to be pressed for more than 2 seconds.

NOTE: If the vehicle detects the battery charge is getting too low, it will adopt the Awake mode to conserve energy. Ignition will be prohibited, but Crank will still be available. This is to allow the engine to be started so that battery recharging can commence.

Locked

Vehicle is locked in low power mode.

Sleep

Vehicle is unlocked in low power mode.

Awake

Door is opened or START/STOP button pressed, when the vehicle is in Sleep mode.

Time, odometer reading, battery status and fuel gauge are available on the Driver Display.

If there is no further activity after 60 seconds, the vehicle will return to the Sleep mode.

Ignition

START/STOP button is pressed, when the vehicle is in Awake mode.

Windows and heater/air conditioning controls operate. Driver Display menus and McLaren Infotainment System (MIS) are available.

NOTE: There is no timeout with ignition on. Be aware that the battery could become discharged.

Crank

See Starting/stopping the engine, page 2.08.

Power saving mode

Under very rare circumstances, the vehicle may not be able to supply enough voltage and will activate power saving mode.

WARNING: When power saving mode is active, the climate control and steering will operate with reduced effect.

NOTE: When power saving mode is active, the message 'Battery management active - See owner's manual' appears on the Driver Display.

Switching on the ignition

1. Ensure that the key fob is inside the vehicle.
2. To switch on the ignition without starting the engine, press the START/STOP button, without depressing the brake pedal.

NOTE: If the vehicle is in Awake mode, press the START/STOP button twice with the brake pedal released.

3. The ignition will switch on, the oil temperature, water temperature and fuel gauges will operate and several of the warning lights will illuminate as a self-test. The Driver Display will fully illuminate.

Instruments and warning lights

Warning lights can be divided into different categories, according to the colour that they illuminate.

- RED or AMBER warning light - indicates that a fault has been detected. A fault indicated by a RED light is more important than one displayed in AMBER.
- BLUE or GREEN notification light - indicates that a system or feature is switched on and operating.

Warning lights

	Tyre pressure monitoring system (TPMS), page 2.32
	Seat belts, page 1.21
	Rear fog lamp, page 1.31
	Supplementary restraint system (SRS), page 1.23

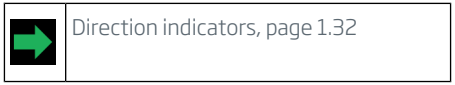
	Electronic stability control (ESC), page 2.30
	Engine warning light, page 2.10
	Anti-lock braking system (ABS), page 2.27
	Brake pedal, page 2.08 Parking brake, page 2.06
	Low oil pressure warning light. If this illuminates, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.
	Engine coolant hot warning light. If this illuminates, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.
	No charge warning light. If this illuminates, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

	Electronic stability control system failure warning light. If this illuminates, adapt your driving style while the fault exists. Contact your McLaren retailer.
	Low fuel level warning light. If this illuminates, refuel your vehicle at the soonest opportunity. See Filling with fuel, page 2.43
	Generic failure warning light. A message will be shown on the Driver Display when this is illuminated, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

	Generic failure caution light. A message will be shown on the Driver Display when this is illuminated, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

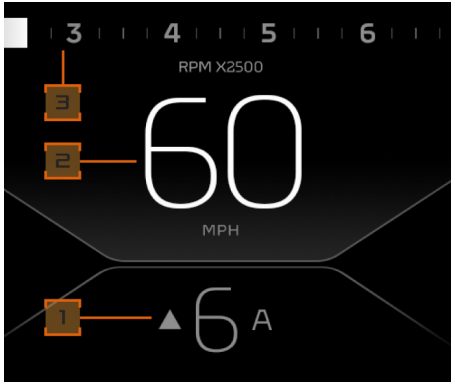
Notification lights

	Direction indicators, page 1.32
	Main beam headlamps, page 1.30
	Light switch, page 1.28
	Light switch, page 1.28



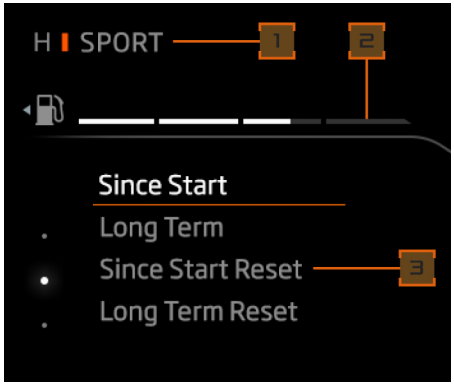
Direction indicators, page 1.32

Driver Display overview



1. Seamless Shift Gearbox, page 2.13
2. Speedometer, page 3.03
3. Tachometer, page 3.02

Driver Display - left-hand side

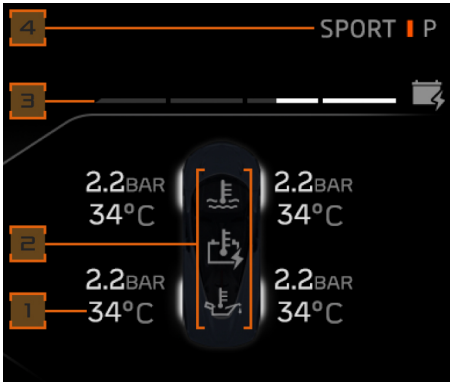


The Driver Display provides important information to the driver and will vary depending on the mode and vehicle settings selected.

1. Handling control, page 2.19
2. Fuel level and range, page 3.16
3. Driver Display, Overview, page 3.04

Use the control stalk to navigate through the menus.

Driver Display - right-hand side



1. Tyre pressure monitoring system (TPMS), page 2.32
2. Water temperature, page 3.14
   HV battery temperature, page 3.14
   Oil temperature, page 3.15
3. HV battery charge level, page 3.16
4. Powertrain control, page 2.20

Seamless shift gearbox gear positions

The gearbox operates in either automatic or manual mode. Automatic mode is selected unless the driver chooses manual mode, see Gear positions, page 2.13 and Manual/automatic mode, page 2.15. If manual mode is active, gear changes are made using the gearshift paddles, see Gearshift paddles, page 2.16.

Parking brake

NOTE: When parking on steep downhill slopes, turn the front wheels towards the kerb. When parking on steep uphill slopes, turn the front wheels away from the kerb.

Parking brake status

If the parking brake applied status light is flashing, the parking brake has failed to engage/disengage. To resolve, engage/disengage the parking brake again. See Parking brake operation, page 2.07.

Parking brake operation

To engage the parking brake, pull the switch outwards, the red parking brake applied status light on the Driver Display illuminates.

NOTE: The parking brake on your vehicle is electronic and only a light application of the switch is required to engage or disengage the parking brake.

To disengage the parking brake, keep the brake pedal depressed and push the parking brake switch inwards, the red parking brake applied status light on the Driver Display extinguishes.

WARNING: If the parking brake is manually released, the vehicle may start to move.

NOTE: If the parking brake is not manually released, it will automatically release as the vehicle is driven off forward, or in reverse as long as the following conditions are met:

- Both doors are closed
- Driver's seat belt is buckled

NOTE: If the parking brake is not manually applied it will automatically apply when the engine is switched off.

NOTE: It is only possible to disengage the parking brake with the ignition on. The parking brake can be applied in all ignition states, including vehicle asleep.

NOTE: In the event of total footbrake failure, the parking brake can be applied when the vehicle is moving to slow the vehicle.

Brake pedal

WARNING: Do not keep any objects in the driver's footwell. Ensure that floor mats or carpets are properly secured and do not obstruct the pedals.
If objects become trapped between the pedals, you may not be able to brake or accelerate, and this could lead to an accident.

WARNING: The braking system is servo assisted when the engine is running. The brakes will still function with the engine off, but more pressure will be required to operate them.

WARNING: Do not rest your foot on the brake pedal while travelling as this may overheat the brakes, reduce their efficiency and cause excessive wear.

WARNING: If the brake warning light illuminates while the vehicle is in motion, stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

Brake discs and pads

WARNING: New brake pads require a period of bedding in. For the first 625 miles (1,000 km), avoid situations where heavy braking is required.

Brake disc and pad wear depends on the driving style and driving conditions.

Brake warning light

The brake warning light will illuminate when the ignition is switched on as a system test. If the brake warning light illuminates at any other time, a fault is indicated. Stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

Starting/stopping the engine

WARNING: Never run the engine when the vehicle is in an enclosed space. Exhaust fumes contain poisonous carbon monoxide. Breathing exhaust fumes could lead to unconsciousness and death.

NOTE: Do not depress the accelerator pedal when starting the engine.

Starting the engine

1. Ensure that the key fob is in the vehicle.

2. Depress the brake pedal, press and release the START/STOP button and the engine will start.
3. If the START/STOP button is pressed again while the engine is cranking, cranking is stopped.

Stopping the engine

1. Depress the brake pedal.
2. Select neutral.

3. Press the START/STOP button. The engine stops, the vehicle enters Awake mode, see Vehicle electrical status, page 2.02. The immobiliser is activated.

NOTE: The parking brake will apply automatically when the engine is stopped. Automatic application can be overridden by holding the parking brake switch in the off position whilst opening the driver's door.

Driving

Driving away

WARNING: Never turn the engine off while driving, there will be no assistance for the steering or the foot brake. You will need more effort to steer and brake and could lose control of the vehicle and cause an accident.

NOTE: If the outside temperature is below -5°C (23°F) the vehicle should not be driven, as damage to the suspension components could occur.

NOTE: Do not drive at high engine speeds until the engine has reached normal operating temperature.

NOTE: The doors will lock when the vehicle reaches a speed of approximately 9 mph (15 km/h). Auto lock can be set on the McLaren Infotainment System (MIS), see Automatic door locking, page 4.14.

NOTE: During extensive parking manoeuvres the steering assistance might feel slightly stiffer. This is normal and designed to protect the steering system from overheating.

NOTE: When starting from cold, engine idle speed may be increased and gear changes may occur at higher engine speeds. The catalytic converter will reach its operating temperature quicker and reduce engine emissions.

1. With the engine running, press and hold the brake pedal.
2. Select drive or reverse gear, or initiate an upshift by operating the gearshift paddles. For more information, see Gearshift paddles, page 2.16 and Gear positions, page 2.13.
3. Keep the brake pedal depressed and release the parking brake switch. The red status light on the Driver Display will be extinguished.

WARNING: If the parking brake is manually released, the vehicle may start to move.

NOTE: If the parking brake is not manually released, it will automatically release as the vehicle is driven off forward, or in reverse as long as the following conditions are met:

- All doors are closed
- Driver's seat belt is buckled

4. Carefully depress the accelerator pedal.

Engine warning light

This engine warning light illuminates when the ignition is on and extinguishes as soon as the engine is started, provided no faults exist.

If the light illuminates while driving, an engine management fault has been detected and reduced engine performance may be experienced. Stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

Limphome mode

Limphome mode activates automatically when vehicle systems detect a fault which may cause further damage unless vehicle or system performance is restricted. Care should be taken while driving in this mode. Contact your McLaren retailer immediately.

Economical driving

Improved fuel economy can be achieved by following this advice:

- Accelerate smoothly and gently from a standing start.
- When in manual mode, avoid high engine rpm by changing to a higher gear as soon as possible.

The gear shift indicator (GSI) will illuminate when an upshift would maintain optimum economy.

NOTE: Not available in all markets, consult your McLaren retailer.

- Avoid labouring or over-revving the engine.
- Switch off the air conditioning when it is not needed.
- Avoid journeys where frequent stop/start driving is involved.
- Ensure that your driving style suits the prevailing road and traffic conditions; allow time for smooth, progressive acceleration and braking.

Exhaust temperature monitoring

The vehicle continuously monitors exhaust temperatures to protect the catalytic converters from damage caused by overheating.

If excessive exhaust temperatures are measured, a warning will be displayed on the Driver Display.

The vehicle speed should be reduced as soon as this message is observed. Refrain from manoeuvres involving high engine speed and high engine load (full throttle) to allow the exhaust to cool. The message will remain until the temperature has reduced.

If the exhaust temperature remains at an excessive level, a second warning is displayed and limphome mode is activated. The engine performance will remain limited until the vehicle is restarted.

NOTE: Catalytic converter over temperature warnings are not likely to be observed during normal driving and are the result of extreme operating conditions. For example, high exhaust temperatures can be caused by extended high speed driving, maintaining high engine speed for long durations, and sudden and repeated changes in throttle demand.

NOTE: High exhaust temperatures can cause damage to catalytic converters and should be avoided by practicing careful driving.

If the warnings persist, contact your McLaren retailer.

Parking sensors

The parking sensors alert the driver to any obstructions while manoeuvring at low speeds. The system comprises four ultrasonic sensors in the front bumper, four ultrasonic sensors in the rear bumper and two sounders. Each sounder has a different pitch to indicate whether the obstruction is at the front or the rear of the vehicle.

The front parking sensors are automatically switched on when the engine is running and drive is selected. The rear parking sensors are switched on when reverse gear is selected. The light around the parking sensors button will illuminate amber to indicate that parking sensors are active.

Front parking sensors can be activated when the vehicle is in neutral and the system is manually turned on.

The centre sensors on the front bumper have a range of approximately 1 m (3 ft). The centre sensors in the rear bumper have a range of approximately 1.5 m (5 ft).

An intermittent tone is heard when an obstruction is within range. As the vehicle moves closer to an obstruction, the frequency of the tone increases. When the distance between the sensors and the obstruction is less than approximately 40 cm (1 ft 6 in), the tone becomes continuous.

WARNING: The parking sensors may not detect moving objects such as children and animals until they are dangerously close. Always manoeuvre with caution and always use your mirrors, turn your head and look behind you.

NOTE: The parking sensors are for guidance only and are not intended to replace the driver's visual checks for obstructions when manoeuvring. The parking sensors may not detect some obstructions, such as narrow posts or small obstructions close to the ground such as kerbs.

The rear parking sensors are automatically switched off when reverse gear is de-selected. The front parking sensors are automatically switched off when the vehicle speed exceeds 16 mph (26 km/h) and drive is selected. If the parking sensors have been manually activated, by pressing the centre of the button, the front parking sensors will become active again when the vehicle speed reduces to 12 mph (20 km/h).

The parking sensors can be switched off manually by pressing and holding the centre of the button, to remove the parking sensor proximity view from the left-hand McLaren Infotainment System (MIS) screen, press centre of the button when in drive or neutral. The parking sensors cannot be manually switched off if reverse gear is selected. When manually switched off, the light around the button will be extinguished.

When the system has been manually switched off, both the front and rear sensors will still switch on when reverse gear is selected and remain on until drive or neutral is selected again.

If a fault is detected the system will be disabled and message will appear in the Driver Display, the parking sensor button light will flash. If the sensors are obscured by dirt, ice or snow, clean them. If the problem persists, contact your McLaren retailer.

Seamless Shift Gearbox

Overview

The gearbox is a 7-speed, dual clutch seamless shift gearbox that can be operated in automatic or manual mode.

Automatic mode is selected unless the driver chooses manual mode, see Manual/automatic mode, page 2.15.

In automatic mode, the gearbox automatically optimises the shift points to suit your style of driving by selecting the most appropriate gear depending on:

- Powertrain control, page 2.20.
- Accelerator pedal position, page 2.14.
- vehicle speed.
- braking effort.

NOTE: Allow the engine and gearbox to warm up before driving at high engine speeds and high loads.
Avoid prolonged spinning of the rear wheels when driving on slippery surfaces as this could damage the drivetrain.

Gear positions

Press one of the gear position buttons.

NOTE: The letter on each button will illuminate red to identify if the vehicle is in Drive, Neutral or Reverse.

Drive

D All seven forward gears are available. Gear changes will be automatic, unless manual mode has been selected.

When drive is selected and the brakes are released, the vehicle will begin to move slowly without any throttle use, making it useful for parking manoeuvres and for moving off in queuing traffic.

Neutral

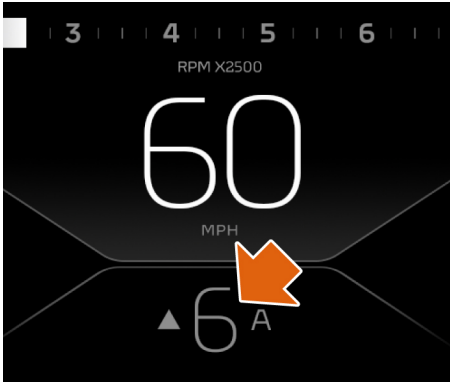
N No gear is engaged. Releasing the brakes will allow the vehicle to move freely, e.g. for pushing or towing. For more information on use of neutral for towing, see Towing for recovery, page 6.52.

Neutral can be selected at any vehicle speed by pressing the N button. Pressing the D button or initiating a shift by operating the gearshift paddles will then select the appropriate gear for the vehicle speed.

Reverse

R In normal circumstances, select reverse gear when the vehicle is stationary. When carrying out parking manoeuvres that require rapid changes from drive to reverse and back again, it is possible to engage reverse or drive at speeds up to 6 mph (10 km/h) whilst travelling in the opposite direction.

NOTE: If reverse or drive is selected at speeds above 6 mph (10 km/h), the transmission will engage neutral, as a self protection feature.
When travelling at speeds below 6 mph (10 km/h), neutral can be selected by pressing the N button.
When reverse is selected and the brakes are released, the vehicle will begin to move slowly without any throttle use, making it useful for parking manoeuvres.



The gear (manual mode) or the gear position (automatic mode) selected will be shown on the Driver Display.

NOTE: The gear position will not be displayed if there is a system communication fault. A warning message will appear on the Driver Display to inform you of the fault.

Accelerator pedal position

Your style of driving influences how the seamless shift gearbox changes gear.

With light accelerator pedal use, upshifts are made at lower engine speeds. With firmer accelerator pedal use, upshifts are made at higher engine speeds.

Kickdown

Kickdown is designed to achieve immediate acceleration when in automatic mode.

Depress the accelerator pedal fully beyond the pressure point, a click will be felt through the pedal. The gearbox will downshift immediately to the lowest appropriate gear, and maximum acceleration will follow. Once the pedal pressure is released, kickdown will cease and normal gear changes will resume.

NOTE: Moderate accelerator pedal pressure may also cause the gearbox to downshift, depending on vehicle speed.

Manual/automatic mode

Press the ACTIVE button (2) to switch on the Active Dynamics Panel.

The ACTIVE button will illuminate. When selecting the different drive modes, their respective button will become illuminated. You can deactivate your drive mode selection at any time by pressing the ACTIVE button again. Press the MANUAL button (1) to select manual mode.

The gearbox mode indicator displays M and the currently selected gear. All forward gear changes are made by operating the gearshift paddles, see Gearshift paddles, page 2.16.

When in manual mode and driving more economically, the gear shift indicator (GSI) will illuminate when an upshift would maintain optimum economy. The GSI will not illuminate if the requested acceleration or deceleration cannot be met with a higher gear. See Economical driving, page 2.10.

NOTE: Not available in all markets, consult your McLaren retailer.

Press the MANUAL button again to revert to automatic mode.

The gearbox mode indicator displays A. All gear changes occur automatically, but if a gearshift paddle is operated the gearbox will adopt a temporary manual mode. This mode will remain active for as long as the driver continues to make manual gear changes, each within an eight second period. The gearbox mode indicator displays A/M, see Gear position indicator, page 3.13.

NOTE: As soon as an eight second period has elapsed without a manual gear change being made, the gearbox will revert to automatic mode.

Gearshift paddles

To upshift, pull the right-hand paddle towards you. To downshift pull the left-hand paddle towards you. The current gear position appears on the gear position display, see Gear position indicator, page 3.13.

NOTE: The single-piece paddle and central pivot enables upshifts and downshifts to be made using either paddle.

As an alternative, upshifts can be made by pushing the left-hand paddle away from you and downshifts can be made by pushing the right-hand paddle away from you.

The gearshift paddles operate irrespective of the handling and powertrain mode selected, and there is no need to release the accelerator pedal to change gear.

WARNING: For safety, in manual mode, the vehicle will monitor engine speed and may perform an automatic gear change if necessary.

WARNING: Do not change down for additional engine braking on a slippery surface.

NOTE: If operating the paddles in automatic mode, the gearbox will revert to automatic changes if an eight second period elapses without a gear change being made.

To immediately shift to the lowest possible gear whilst the vehicle is braking, select and hold a downshift on the paddle. The vehicle will then go down through all gears sequentially until the optimum gear is reached or you release the paddle.

Seamless Shift Gearbox

When the vehicle speed is below 6 mph (10 km/h) or the vehicle is stationary with a gear selected, select a downshift and hold the paddle to select neutral.

Neutral can be selected at any vehicle speed by pressing the N button. Pressing the D button or initiating a shift by operating the gearshift paddles will then select the appropriate gear for the vehicle speed.

Pre-Cog

The gearbox will anticipate the next gear change and pre-select the required gear to ensure fast and seamless gear change.

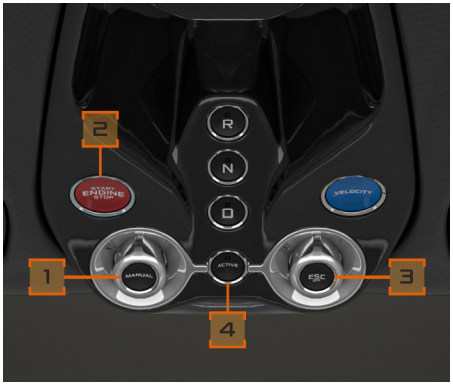
When the vehicle is under acceleration, the gearbox will automatically pre-select the next highest gear. If a downshift is required immediately following hard acceleration, lightly pull and hold the downshift paddle to the Pre-Cog position to pre-select the next lowest gear. When ready, fully pull the paddle for an almost instantaneous downshift.

To pre-select an upshift during deceleration, lightly pull and hold the upshift paddle to the Pre-Cog position to pre-select the next highest gear. When ready, fully pull the paddle for an almost instantaneous upshift instead of the automatically pre-selected downshift.

Active dynamics control

The handling and powertrain control switches, on the Active Dynamics Panel, allow the driver to change the handling and performance characteristics of the vehicle.

The Active Dynamics Panel contains the following controls, and will only function with the engine running or the ignition switched on.



1. Handling control, page 2.19
2. Engine START/STOP button, see Vehicle electrical status, page 2.02
3. Powertrain control, page 2.20
4. Active button, page 2.18

Active button

Pressing the ACTIVE button switches on the Active Dynamics Panel. This activates the Launch, ESC off, handling and powertrain controls. The ACTIVE button and handling and powertrain switches will illuminate.

NOTE: When the Active Dynamics Panel is on, the current handling and powertrain modes will appear in amber on the Driver Display. When the panel is off, the handling and powertrain modes will appear in white.

NOTE: When the ignition is switched off, the controls on the Active Dynamics Panel will also switch off. The handling and powertrain control modes will be remembered but it will be necessary to press the ACTIVE button again to operate the controls when the ignition is next switched on or the vehicle will revert to automatic gear changes.

Handling control

The handling control switch affects the Proactive Chassis Control II system.

Selecting a mode

1. Press the **ACTIVE** button to switch on the Active Dynamics Panel.

2. Rotate the handling control to select one of the following modes.

Modes

C	Comfort	Suspension at its softest setting, offers a compliant ride while maintaining good body control through corners.
S	Sport	Suspension is stiffer, giving a firmer ride coupled with enhanced handling characteristics.

NOTE: The information displayed on the Driver Display will change dependent on the handling mode selected. See Handling and powertrain display, page 3.13.

The mode selected will remain active, until the selection is changed, the ignition is switched off, or the Active Dynamics Panel is deactivated.

NOTE: If all the following conditions are not met when the selection is made, the mode will not be implemented until they are met:

- No fault conditions existing
- No vehicle dynamic or stability interventions activated, e.g. electronic stability control
- Steering wheel in straight ahead position, and not being turned, if the vehicle is moving

When the Active Dynamics Panel is off, the handling display on the Driver Display will show Non-Active, see Handling and powertrain display, page 3.13.

When the vehicle is in Non-Active mode, the handling characteristics will match those of Comfort handling mode.

Powertrain control

Selecting a mode

1. Press the ACTIVE button to switch on the Active Dynamics Panel.

2. Rotate the powertrain control to select one of the following modes.

The shift strategy will vary, depending on the powertrain mode selected.

Active modes

Automatic mode		
C	Comfort	Gear changes are configured to offer the optimum economy without sacrificing the vehicle's inherent performance.
S	Sport	Gear changes will occur at a higher engine speed and with a reduced shift duration and are further enhanced with cylinder cut. See Cylinder cut, page 7.13.

Manual mode		
C	Comfort	Gear changes are configured to offer optimum comfort and are enhanced with cylinder cut. See Cylinder cut, page 7.13.
S	Sport	Gear changes occur with a reduced shift duration and are further enhanced with ignition cut. See Ignition cut, page 7.14.

NOTE: The information displayed on the Driver Display will change dependent on the powertrain mode selected. See Handling and powertrain display, page 3.13.

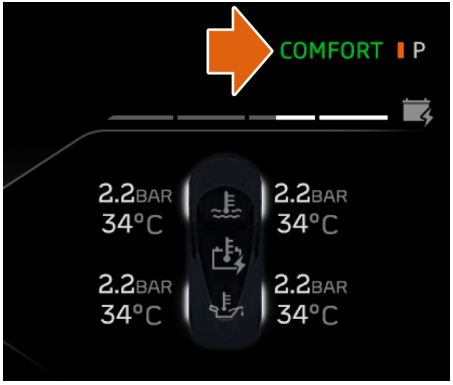
The mode selected will remain active, until the selection is changed, the ignition is switched off, or the Active Dynamics Panel is deactivated.

When the Active Dynamics Panel is off, the powertrain display on the Driver Display will show Non-Active, see Handling and powertrain display, page 3.13.

Non-Active mode

In both automatic and manual modes, gear changes occur with a reduced shift duration and are further enhanced with inertia push. See Inertia push, page 7.14.

Economy mode



When the vehicle is operating in any powertrain mode with automatic gear shifts selected, the transmission adapts to an economical shift strategy during periods of gentle driving. This is determined by the vehicle speed, acceleration, braking and road gradient.

Depending on the current active shift strategy, the word 'Non-Active', 'Comfort' or 'Sport' changes colour to green when economy mode is active. For information on other ways to save fuel, see Economical driving, page 2.10.

NOTE: When the Active Dynamics Panel is on, the current handling and powertrain modes will appear in amber on the Driver Display. When the panel is off, the handling and powertrain mode 'Non-Active' will appear in white.

Velocity Mode

Velocity mode overview

Velocity mode is available to optimise your vehicle for high speed driving. The maximum velocity of your vehicle can only be reached using Velocity mode.

Before you use your vehicle to attempt to reach maximum velocity, consult your McLaren retailer. McLaren recommend that your vehicle is inspected before and after high speed maximum velocity attempts.

McLaren recommends that the vehicle is checked before any attempt to reach maximum velocity is made, see Checks for achieving maximum velocity, page 1.39.

WARNING: Ensure you are aware of the full performance potential that can be expected from your McLaren Speedtail at all times and in particular when using Velocity mode, where vehicle speeds can be much higher.

WARNING: Do not initiate Velocity mode unless on a track. Velocity mode must not be used on any public road. Also ensure that the prevailing track conditions are suitable for Velocity mode.

WARNING: Take great care when driving over ramps, protruding features, uneven or rough ground when in Velocity mode as severe damage to the underside of your vehicle may occur.

Activate Velocity mode

Before Velocity mode can be activated the following preconditions must be met:

- Vehicle stationary with parking brake applied
- Engine running
- Neutral gear selected
- Both doors closed

Press and hold the VELOCITY button for 2 seconds.

Velocity Mode

An audible warning will sound and a disclaimer will appear on the Driver Display.

Press the VELOCITY button to accept the disclaimer.

The Velocity mode transition screen will be displayed on the Driver Display and the McLaren Infotainment System (MIS) for approximately 60 seconds. During this time the vehicle will automatically check and adjust various settings, to optimise the vehicle for maximum velocity use, including:

- Vehicle ride height lowering
- Suspension damping calibration
- Active aero calibration
- Electronic stability control deactivation

WARNING: When electronic stability control is deactivated, the risk of the vehicle skidding is increased. Adapt your driving style to suit road and traffic conditions.

WARNING: If a door is opened during the transition to Velocity mode, the process will continue for all settings apart from vehicle ride height. The vehicle ride height will remain at the same position as it was before a door was opened. When the door(s) are closed again, the vehicle ride height will continue to the fully lowered position.

NOTE: The vehicle will be immobilised and cannot be driven during the transition to Velocity mode.

NOTE: If the ignition is switched off while the vehicle is in Velocity mode, the disclaimer must be accepted again the next time the ignition is switched on. Press the VELOCITY button before the vehicle can be driven.

NOTE: During an ignition off-on cycle when in Velocity mode, the Velocity mode can be cancelled by pressing the Active button.

NOTE: Manual ride height adjustments using vehicle lift is not possible when in Velocity mode.

Deactivate Velocity Mode

Before Velocity mode can be deactivated, the following preconditions must be met:

- Vehicle stationary with parking brake applied
- Engine running
- Neutral gear selected
- Both doors closed

Press and hold the Velocity button for 2 seconds.

The Velocity mode transition screen will be displayed on the Driver Display and the McLaren Infotainment System (MIS) for approximately 60 seconds. During this time the vehicle will automatically check and adjust various settings, to optimise the vehicle for normal road use, including:

- Vehicle ride height raising
- Suspension damping calibration
- Active aero calibration
- Electronic stability control activation

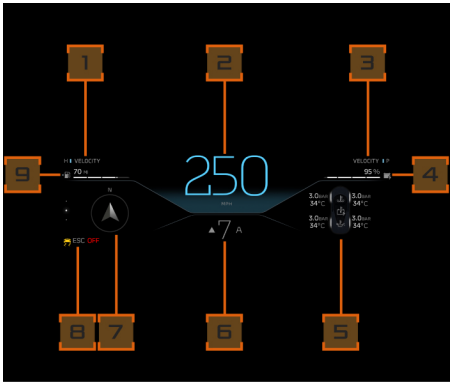
WARNING: If a door is opened during the transition from Velocity mode, the process will continue for all settings apart from vehicle ride height. The vehicle ride height will remain at the same position as it was before a door was opened. When the door(s) are closed again, the vehicle ride height will continue to raise to the normal position.

NOTE: The vehicle will be immobilised and cannot be driven during the transition from Velocity mode.

Velocity Mode

Instruments

When Velocity mode is activated, the Driver Display changes to a simplified view, more suitable for high speed driving.



1. Handling and powertrain display, page 3.13
2. Speedometer, page 3.03
3. Handling and powertrain display, page 3.13
4. HV battery charge level, page 3.16
5. Tyre, page 3.07
   Water temperature, page 3.14
   HV battery temperature, page 3.14
   Oil temperature, page 3.15
6. Gear position indicator, page 3.13
7. Trip info, page 3.05
   Vehicle info, page 3.06
   Navigation, page 3.08
8. Electronic stability control (ESC) mode display, page 3.13
9. Fuel level and range, page 3.16

When Velocity mode is selected, shift lights will be displayed in place of the tachometer. The shift lights are arranged in three blocks; a green block, red block and blue block. Each block illuminates as engine RPM increases. Accelerating the engine speed beyond the point that the blue block is illuminated is not conducive to rapid acceleration.

Vehicle settings

Active Aero settings are linked to the vehicle mode and are automatic. These settings cannot be manually adjusted.

General

This section contains information about the following safety systems:

- Anti-lock braking system (ABS)
- Brake assist system
- Brake disc wiping
- Hill hold
- Brake-steer
- Electronic brake pre-fill
- Electronic stability control (ESC)

WARNING: The risk of an accident increases when driving quickly, especially when cornering, on wet and icy roads. Always maintain a safe distance to the vehicle in front. Always adapt your driving style to suit the road and weather conditions and maintain a sufficient distance from other road users and objects on the road.

NOTE: In winter conditions, the maximum effect of the anti-lock braking system, brake assist system and electronic stability control can only be achieved if you use winter tyres, with snow socks where they are necessary.

Anti-lock braking system (ABS)

The anti-lock braking system prevents the wheels from locking when you brake. This allows the vehicle to be steered during braking manoeuvres.

The anti-lock braking system works from a speed of approximately 5 mph (8 km/h) upwards, regardless of road surface conditions. It works on slippery surfaces, even when you brake gently.

WARNING: Do not depress the brake pedal repeatedly in quick succession (pumping). Depress the brake pedal firmly and evenly. Pumping the brake pedal reduces the braking effect.

If the anti-lock braking system operates during braking, the warning light flashes, and the brake pedal pulses as this happens.

When the anti-lock braking system is activated, maintain the force on the brake pedal until the braking situation is over.

WARNING: Always adapt your driving style to suit the prevailing road and weather conditions and maintain sufficient distance from other road users and objects on the road.

Anti-lock braking system (ABS) status light

If there is a malfunction with the system, the status light will illuminate. Do not drive your vehicle, contact your McLaren retailer as soon as possible.

WARNING: If the anti-lock braking system malfunctions, brake assist system and electronic stability control are also deactivated. If the anti-lock braking system malfunctions, the wheels could lock when you brake. This may increase the stopping distance and impair your ability to steer.

Brake assist system

Brake assist system operates in emergency braking situations. If you depress the brake pedal quickly, the brake assist system automatically increases the force applied to the brakes and thus shortens the stopping distance.

Continue to depress the brake pedal firmly until the emergency situation is over, the anti-lock braking system prevents the wheels from locking.

When you release the brake pedal, the brakes will work as normal. The brake assist system is deactivated.

WARNING: If the brake assist system malfunctions, the brakes will still operate. However, the braking force is not automatically boosted and this may increase the stopping distance.

Brake disc wiping

Brake disc wiping operates automatically when the windscreen wipers are switched on. It prevents moisture build up on the brake discs during periods of heavy rain, improving braking performance.

Hill hold control

If the brake pedal is applied to hold the vehicle on a hill, this function will continue to apply the brakes for 2 seconds after the pedal is released to assist a smooth start.

Brake-steer

Brake steer offers the benefits of a torque vectoring differential, but is integrated into the braking system reducing weight and providing excellent speed of response.

Torque vectoring gives the differential the ability to change the amount of power that is sent to each of the rear wheels to provide optimum stability and traction.

If the system detects that the vehicle is starting to understeer through a corner, the inside rear brake is gently applied. This helps to increase the yaw rate of the vehicle, making the vehicle feel more resistant to understeer. The lateral 'g' force is also increased giving better handling characteristics.

If the driver uses too much throttle exiting a corner, the inside rear wheel increases speed, which without brake steer could cause the vehicle to become unstable. In this situation, brake steer will again gently apply the brake on the inside rear wheel, thereby restoring traction and stability.

Electronic brake pre-fill

If the accelerator pedal is suddenly released, the electronic brake pre-fill function immediately brings the brake pads into contact with the discs, ensuring rapid braking.

Electronic stability control (ESC)

Electronic stability control (ESC) monitors driving stability and traction between the tyres and the road surface.

Electronic stability control detects when a wheel starts to spin or the vehicle starts to skid and stabilises the vehicle by braking individual wheels, and/or limiting the engine power output. This also assists when pulling away on wet or slippery road surfaces and stabilises the vehicle when braking.

NOTE: Electronic stability control only functions properly if wheels with the recommended specification tyres are used.

Electronic stability control is activated automatically as soon as the engine is started.

WARNING: If the electronic stability control warning illuminates, do not deactivate electronic stability control. Adapt your driving style to suit road and traffic conditions.

Traction control system

The traction control system is an integral part of electronic stability control.

The traction control system reduces engine torque to prevent the wheels from spinning. If additional intervention is required to stop the wheels from spinning, the vehicle will apply the rear brakes individually. The traction control system brakes individual drive wheels to prevent them from spinning. This means that the vehicle can accelerate on slippery surfaces.

WARNING: The traction control system cannot reduce the risk of an accident if you drive too fast.

Deactivating electronic stability control (ESC)

WARNING: When electronic stability control is deactivated, the risk of the vehicle skidding is increased. Adapt your driving style to suit road and traffic conditions.

WARNING: Do not deactivate electronic stability control unless on a track and prevailing conditions are suitable.

NOTE: When you deactivate electronic stability control, the following conditions result:

- The 'ESC OFF' warning light illuminates
- The light on the 'ESC OFF' button illuminates
- Electronic stability control no longer improves driving stability
- The engine's torque is no longer limited and the drive wheels could spin
- The anti-lock braking system remains activated

Electronic stability control (ESC) Dynamic modes

The level of electronic stability control can be adjusted to various dynamic modes to suit the driver's requirements and is dependent on the handling mode currently active.

Electronic stability control Dynamic modes can be selected at any vehicle speed.

Ensure Sport handling mode is active, see Handling control, page 2.19.

Sport Dynamic mode

1. Select Sport handling mode.

   The electronic stability control is **ON** by default.

2. Press the **ESC OFF** button briefly to activate **Sport Dynamic** mode which allows more dynamic freedom over the default **ESC ON** mode.

   ESC DYN will be displayed on the Driver Display.

ESC Off

1. Select Sport handling mode.
2. If not already in a ESC Dynamic mode, press the **ESC OFF** button briefly to activate a ESC Dynamic mode.
3. Press and hold the **ESC OFF** button for 2 seconds, followed by a confirmation press again within 5 seconds to deactivate the electronic stability control.

   ESC OFF will be displayed on the Driver Display and the light on the **ESC OFF** button will illuminate.

Reactivating electronic stability control (ESC)

When electronic stability control is reactivated, the electronic stability control OFF warning light on the Driver Display extinguishes.

NOTE: Electronic stability control is automatically reactivated when the ignition is next switched off and on again.

Reactivation Procedure

Perform any of the following to reactivate electronic stability control:

- Press the **ESC OFF** button briefly, the light on the button will be extinguished.
- Change the mode on the handling control to Comfort.
- Switch the ignition off and then switch on again.

Tyre pressure monitoring system (TPMS)

Prior to every time the vehicle is to be driven, each tyre should be checked when cold and inflated/deflated to the inflation pressure recommended on the tyre pressure label. (If your vehicle has tyres of a different size than the size indicated on the tyre pressure label, you should determine the proper inflation pressure for those tyres).

In certain circumstances it is possible that the tyre pressure monitoring system (TPMS) pressure warning will display without the loss of air from the tyre. This may be due to temperature variations between the locations where the tyre pressure was set and where the vehicle is driven. For example setting pressures in an air conditioned or heated garage and then driving the vehicle outside may induce a tyre pressure warning after a short period of driving. The warning may also display when extreme ambient temperature variations occur or during seasonal temperature changes.

WARNING: Never ignore a tyre pressure warning. Check tyre pressures immediately and if necessary contact your McLaren retailer.

WARNING: If a fault occurs with the tyre pressure monitoring system (TPMS), stop the vehicle as soon as possible and check the pressures and condition of all tyres. Contact your McLaren retailer.

Tyre pressure monitoring system (TPMS) overview

The tyre pressure monitoring system warns you when the pressure drops or the temperature increases above an acceptable level in one or more of the tyres.

The system monitors the tyre pressures and temperatures in each tyre using sensors located in each tyre valve and a receiver located within the vehicle. Communication between the sensors and the receiver is via radio frequency (RF) signals.

NOTE: The tyre pressure monitoring system can suffer interference if you are operating radio transmitting equipment (e.g. radio headphones, two-way radios) in or near the vehicle.

NOTE: The tyre pressure monitoring system will begin transmitting data as soon as the ignition is switched on. Whilst the vehicle is stationary, the Low Frequency (LF) triggers force the wheel transducers to transmit the data. When moving, the wheel transducers will transmit automatically at 30 second intervals.

Tyre pressure monitoring system (TPMS) operation

If a low or high tyre pressure or high tyre temperature is detected, the tyre pressure monitoring system warning light will illuminate along with an associated error message on the Driver Display.

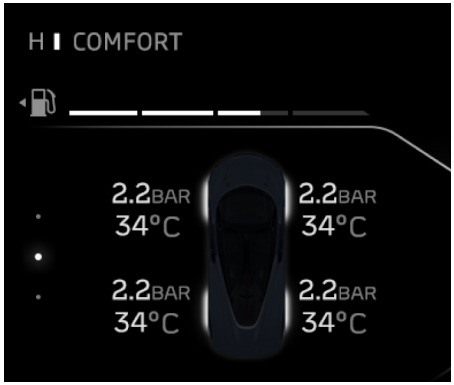
Stop the vehicle as soon as possible, check all your tyres and inflate them to the recommended pressure, see Tyre pressures, page 6.44. The warning light will be extinguished once the tyres have been inflated to the correct pressure.

Driving on a significantly under-inflated tyre causes the tyre to overheat and can lead to tyre failure. Under-inflation also reduces fuel efficiency and tyre tread life, and may affect the vehicle's handling and stopping ability.

WARNING: TPMS is not a substitute for proper tyre maintenance, and it is the driver's responsibility to maintain correct tyre pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tyre pressure warning light.

Each tyre should be checked weekly when cold and inflated/deflated to the inflation pressure recommended on the tyre pressure label.

Tyre pressures can be viewed on the Driver Display, see Tyre, page 3.07.



The display shows the pressures of each of the four tyres. If the tyre icon next to the pressure figure appears in white, no action is required. If it appears in red, inflate the associated tyre to the correct pressure as soon as possible.

Inspect the tyre(s) for any possible causes of reduced tyre pressure.

WARNING: The tyre pressures indicated on the Driver Display will be more accurate with a pressure gauge. The tyre pressure monitoring system is not a substitute for manually checking tyre pressures or checking for wear and damage. The system only provides a low tyre pressure warning and does not re-inflate the tyres.
The tyre pressure monitoring system cannot alert you to damage to a tyre. Regularly check the condition of your tyres.

WARNING: If low pressure warnings occur frequently, have the tyres checked at your McLaren retailer. Driving on an under-inflated tyre will cause the tyre to overheat and can lead to tyre failure.

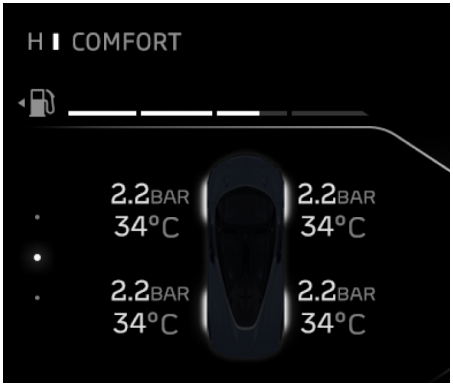
ENVIRONMENTAL: Under-inflated tyres reduce fuel efficiency and tyre tread life, and may affect the vehicle's handling and braking characteristics.

ENVIRONMENTAL: Check tyre pressures at least every 7 days.

Tyre Temperature Monitoring System operation

If a high tyre temperature is detected, the Tyre Temperature Monitoring System will display an error message on the Driver Display.

Tyre temperatures can be viewed on the Driver Display, see Tyre, page 3.07.



This shows the current temperature of each of the four tyres. If the tyre icons next to the temperatures appear in blue, the tyres have not yet warmed up to normal operating temperature. Do not exceed 75 mph (120 km/h) until the tyres have warmed up to normal operating temperature.

If the tyre icons appear in white, no action is required.

If any icon appears in red, the safe operating temperature of the tyre(s) has been exceeded, stop the vehicle as soon as possible and check the pressures and condition of all tyres. If the tyre inspection shows no issue with the tyres, continue driving at a maximum speed of 30 mph (50 km/h) until the tyres have cooled to normal operating temperatures and the tyre icons appear in white.

If you have any concerns about your tyres, contact your McLaren retailer.

Ailerons

The hydraulically operated ailerons require a minimum operating temperature of 2°C (36°F) to actuate. If these conditions are not met an error message may be shown on the Driver Display to state the feature is not available.

At speeds above 93 mph (150 km/h) the ailerons adjust dynamically dependent on the vehicle's requirements. This enhances vehicle's high speed stability with increased aerodynamic drag. The ailerons may actively operate at speeds below 93 mph (150 km/h) during sudden braking or when high vertical or longitudinal G forces are measured.

Self-test

After each full ignition cycle, the first time the engine is started and the vehicle has driven away, the ailerons self-test, adjusting and then returning slowly to their initial position.

⚠ WARNING: If the ailerons fail the self-test, a message will appear in the Driver Display. Contact your McLaren retailer.

Aileron operation

WARNING: The driver is responsible for ensuring that no persons, or any part of their body can be trapped during aileron movement.

The ailerons are located at the rear of your McLaren and adjusts dynamically, dependent on the vehicle's requirements. A self-test facility initiates after every full ignition on/off cycle.

NOTE: The ailerons use hydraulic pressure and will only operate with the engine running.

NOTE: The ailerons are automatically deactivated at low transmission oil temperatures. A warning message will appear on the Driver Display if operation of the ailerons is deactivated. The ailerons will become active when the transmission oil temperature rises.

The ailerons adjust dynamically, dependent on the vehicle's requirements. This enhances vehicle stability with increased aerodynamic drag. The ailerons will operate at any vehicle speed.

NOTE: The ailerons may automatically adjust to reduce aerodynamic drag in favour of straight line speed if the vehicle is travelling in a straight line at full throttle.

During hard braking at high speed, the ailerons automatically adjusts their position to provide maximum braking assistance.

Once the pressure on the brake pedal is released, the ailerons will return to its previous position.

The ailerons may actively operate, even if the brake pedal is not depressed, to maintain vehicle stability under the following conditions:

- When high longitudinal G forces are measured, for example, when the accelerator pedal is suddenly released.
- When high vertical G forces are measured, for example, when travelling over the crest of a hill.

Cruise Control

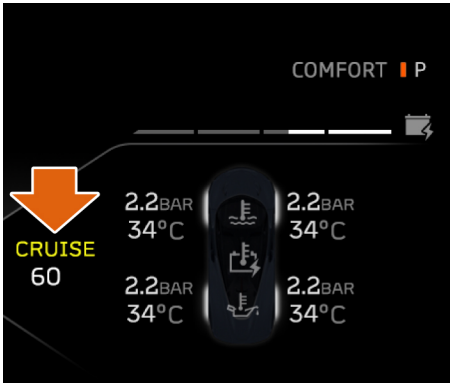
Overview

WARNING: Pay particular attention to road and traffic conditions, when cruise control is activated, and always travel at a speed which is safe for the current conditions.
Never use cruise control on winding or slippery roads or when visibility is poor, e.g. in fog, heavy rain or snow.

Cruise control allows the driver to maintain a constant speed without using the accelerator pedal. This is useful on motorway journeys where a constant speed can be maintained for long periods.

All cruise control functions are operated by the cruise control stalk, positioned on the right of the steering column.

Using cruise control



Accelerate to the desired speed and push the stalk up briefly, to activate cruise control. The set speed will appear on the Driver Display.

NOTE: Cruise control will only operate at speeds in excess of 20 mph (30 km/h).

Speed can be increased at any time by pressing the accelerator pedal. Once the accelerator pedal is released the vehicle will return to the cruise control speed.

WARNING: Always be aware that cruise control is engaged and do not override cruise control for extended periods. Releasing the accelerator in these circumstances could lead to the vehicle not decelerating at the rate you expect.

Cancelling cruise control

Briefly push the cruise control stalk away from you.

Cruise control is cancelled. The indicator on the Driver Display extinguishes but the last speed set remains stored.

NOTE: The last speed stored is cleared when you switch off the engine.

Cruise control is also cancelled if the foot brake is pressed, if neutral is selected or if active speed limiter is selected.

NOTE: Cruise control is cancelled automatically if electronic stability control detects wheel spin, vehicle skid or if electronic stability control is switched off.

Cruise Control

Increasing cruise control speed

- A brief push of the stalk upwards will increase the vehicle speed in 1 mph (1 km/h) increments (depending on the units selected, see Speed & Distance Units, page 4.09);
- or push and hold the stalk upwards until the desired speed is reached, then release the stalk;
- or accelerate to the new desired speed and push the stalk up.

Reducing cruise control speed

- A brief push of the stalk downwards will decrease the vehicle speed in 1 mph (1 km/h) decrements (depending on the units selected, see Speed & Distance Units, page 4.09);
- or push and hold the stalk downwards, the vehicle will decelerate, release the stalk when the desired speed has been reached.

NOTE: If you decelerate using the cruise control stalk, the gearbox may shift down to increase the rate of deceleration.
Downshifting manually using the gear change paddles will not disengage cruise control.

Resuming a stored speed

WARNING: Only resume the stored speed if it is appropriate for the current road and traffic conditions. Sudden acceleration could endanger yourself and others.

Pull the cruise control stalk briefly towards you.

Cruise control will adjust the vehicle's speed to the last speed stored.

Active Speed Limiter (ASL)

Setting an upper speed limit

WARNING: It is the driver's responsibility to keep within proper speed limits.

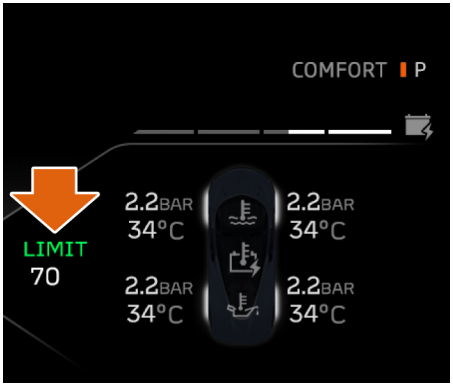
WARNING: The active speed limiter (ASL) feature may allow the vehicle to exceed the upper speed limit in certain situations, for example when descending steep gradients.

NOTE: ASL can be activated when the vehicle is stationary. The upper speed limit will be set to a default speed of 20 mph (30 km/h).

The ASL control allows the driver to set an upper speed limit.

Selecting a speed

1. Accelerate or decelerate to the maximum permitted speed and push the stalk down briefly, to activate Active Speed Limiter (ASL).



2. The upper speed limit will appear on the Driver Display.

NOTE: The ASL can be overridden by depressing the throttle pedal beyond a predetermined point.

Active Speed Limiter (ASL)

Cancelling Active Speed Limiter (ASL)

To cancel Active Speed Limiter (ASL) briefly push the stalk away from you. The indicator on the Driver Display will extinguish.

Running in

Observe the following running in instructions when the vehicle is new or if any of these components have been replaced.

Engine and gearbox

For the first 625 miles (1,000 km):

- drive at varying road and engine speeds.
- do not drive faster than the maximum speed limit of the road, or 150 mph (240 km/h).
- do not use your vehicle on a track.
- avoid heavy loads on the engine (driving at full throttle).
- avoid driving at engine speeds less than 2,000 rpm.
- avoid running at constant speed and load for long periods.
- avoid using kickdown.
- do not downshift for additional engine braking.
- avoid stopping the engine within 2 minutes of high speed and high load running.
- avoid idling the engine for more than 10 minutes.

After the 625 miles (1,000 km) running in period, you may gradually use the vehicle's full performance.

NOTE: Failure to observe the engine and gearbox operating limits during the running in period may lead to premature wear or damage.

NOTE: These running in instructions also apply for the first 625 miles (1,000 km) after the engine or transmission has been replaced.

ENVIRONMENTAL: This advice will assist in improving fuel economy and should be adopted as normal driving practice even after the running in period.

Brakes

New brakes require an initial bedding in period. Avoid heavy braking situations for the first 625 miles (1,000 km).

Normal/road use

- Allow the engine to warm up before driving at high engine speeds and high loads. Limit engine speed to 5,000 rpm until the engine reaches full operating temperature.
- Avoid stopping the engine within 2 minutes of high speed/high load running.
- Avoid idling the engine for more than 10 minutes.

Filling with fuel

WARNING: Fuel is highly flammable. Fire, naked flames, smoking and using a mobile telephone are prohibited when handling fuels. Switch off the engine before refuelling.

WARNING: Fuel and fuel vapours can damage your health. Do not inhale fuel vapours or allow fuel to come into contact with skin or clothing.

The fuel filler flap is located at the rear on the left-hand side. It is locked or unlocked automatically when the vehicle is locked or unlocked.

NOTE: Do not attempt to force the filler flap open if the vehicle is locked. You may damage the flap and its locking mechanism.

NOTE: The fuel filler flap will remain locked if the engine is running.

Filling on the forecourt

1. Switch off the engine.

2. Press the rear edge of the fuel filler flap, the latch will release and the flap will open.

NOTE: Your vehicle is not fitted with a fuel filler cap.

3. Insert the nozzle into the fuel filler and dispense fuel. For fuel recommendations, see Recommended fuel, page 2.44.
4. Do not continue to fill the tank after the pump nozzle switches off.
5. Remove the nozzle.
6. Close the fuel filler flap, you will hear the latch engage.

Filling with the fuel funnel

1. Switch off the engine.

2. Press the rear edge of the fuel filler flap, the latch will release.
3. Open the flap.

NOTE: Your vehicle is not fitted with a fuel filler cap.

4. Collect the fuel funnel from the front luggage compartment, see Fuel funnel, page 6.11.
5. Insert the fuel funnel fully into the filler neck.
6. Insert the nozzle into the fuel funnel and dispense fuel. For fuel recommendations, see Recommended fuel, page 2.44.
7. Do not overfill.

WARNING: Take care to avoid spillages and overfilling. Ensure any spillages are cleaned immediately.

8. Remove the nozzle.
9. Remove the fuel funnel, clean thoroughly and store in the front luggage compartment.
10. Close the fuel filler flap, you will hear the latch engage.

Recommended fuel

For maximum engine performance the use of 98 RON/88 MON unleaded petrol meeting specification EN 228 is required.

In areas where 98 RON/88 MON is unavailable, use unleaded premium grade petrol with a minimum octane rating of 95 RON/85 MON, meeting specification EN 228.

NOTE: Information relating to the quality of fuel being dispensed is displayed on the filling pump.

NOTE: The likelihood of engine wear or damage is increased if fuel does not meet the requirements of EN 228 for unleaded petrol or if fuel additives are used.
Damage caused by use of incorrect fuel is not covered by the vehicle warranty. Do not use leaded fuel, doing so may damage the catalytic converter.

NOTE: This vehicle is not suitable for use with fuels containing more than 10% Ethanol.

Refuelling

Do not use E85 fuels (85% Ethanol content). This vehicle is not fitted with the equipment necessary for the use of fuels containing more than 10% Ethanol. If E85 fuels are used, serious damage will occur to the engine and fuel system.

NOTE: If the fuel tank is accidentally filled with the incorrect type of fuel, do not start the engine, and seek qualified assistance.

Winter driving

It is recommended that you have your vehicle inspected at your McLaren retailer at the onset of winter. This service includes the following:

- Checking the antifreeze/anti-corrosion concentration
- Adding concentrated cleaning agent to the windscreen washer system
- Checking the battery
- Checking the tyres

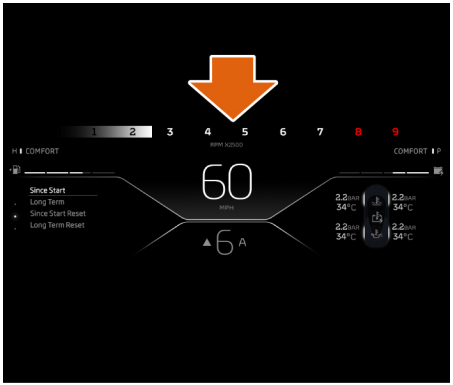
Instruments

Overview

The Driver Display is activated when the ignition is switched on, see Switching on the ignition, page 2.03.

WARNING: No messages will appear on the Driver Display if there is a fault with the screen or vehicle electrics. Contact your McLaren retailer immediately. Use of the vehicle in these circumstances can be dangerous.

Tachometer



The tachometer display appears at the top of the Driver Display when in Non-Active or Comfort powertrain and handling modes. The red number on the display indicates the engine's maximum RPM.

When Sport powertrain or handling modes is selected, the tachometer style will change to suit the selected mode. See Display window, page 3.12.

NOTE: The maximum RPM is dynamic and will be reduced under certain conditions, for example, if the engine oil is below normal operating temperature or if neutral gear is selected.

NOTE: Do not operate the engine at or near its maximum speed for a significant length of time. The fuel supply is cut off to protect the engine when the maximum RPM is reached.

Shift lights

When Velocity mode is selected, shift lights will be displayed in place of the tachometer. The shift lights are arranged in three blocks; a green block, red block and blue block. Each block illuminates as engine RPM increases. Accelerating the engine speed beyond the point that the blue block is illuminated is not conducive to rapid acceleration. See Velocity Mode, page 2.23.

Speedometer

The speedometer is situated centrally on the Driver Display when in Non-Active or Comfort powertrain and handling modes.

When Sport powertrain or handling modes are selected, the speedometer style will change to suit the selected mode. See Display window, page 3.12.

NOTE: The speedometer changes from mph to km/h when the units are changed from miles to kilometres, see Speed & Distance Units, page 4.09.

NOTE: The vehicle speed will constantly display '0' if there is a system communication fault. A warning message will appear on the Driver Display to inform you of the fault. Adapt your driving style while this fault exists, you are responsible for the vehicle's speed at all times. Contact your McLaren retailer.

Overview

Warnings appear in a pop-up window on the Driver Display.

The stored messages can be viewed at any time when the ignition is on, see Messages, page 3.09.

WARNING: Operating and browsing menus whilst the vehicle is in motion could make you unable to observe road and traffic conditions and could cause an accident.

WARNING: Do not ignore warning messages, failure to take appropriate action may result in personal injury or damage to the vehicle.

Menu

Navigation through the carousel menu structure is achieved using the control stalk mounted on the left of the steering column.

The following categories are available:

- Trip info, page 3.05
- Vehicle info, page 3.06
- Navigation, page 3.08

Navigate the menu

1. Move the control stalk up or down (+ or -) to highlight your choice.
2. Pull the stalk towards you to enter your selection.
3. Then select the topic of interest from the list, move the control stalk up or down (+ or -) to highlight your choice.
4. Pull the stalk towards you to move through to the next menu in the structure.
5. At the end of each structure there will be a display of information or a screen where a setting can be changed or information viewed.

6. When the function required is selected or a setting is made, pull the stalk towards you to confirm.

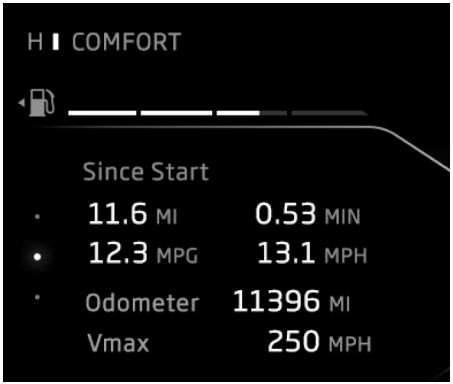
Trip info

The Driver Display can display the following trip data:

- Trip (since start), page 3.05
- Trip (long term), page 3.06

In order to reset the trip data to zero, select the required option from the menu and pull the stalk towards you (FORWARD) to confirm.

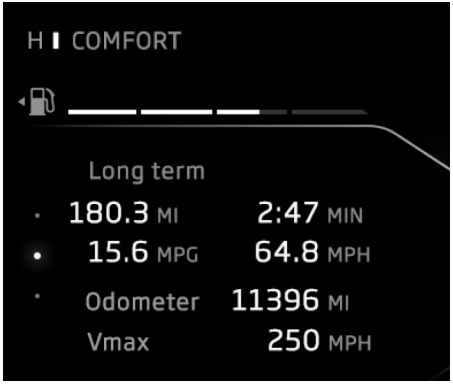
Trip (since start)



Displays distance, time, average fuel consumption, average speed and Vmax for the current journey.

The information will also reset to zero when the engine is switched off for approximately 2 hours.

Trip (long term)



Displays distance, time, average fuel consumption, average speed and Vmax since the last trip reset.

Odometer

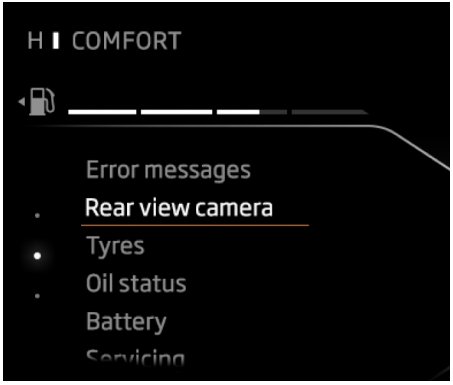
The odometer is shown on each trip screen and displays the total distance the vehicle has travelled.

Vmax

The Vmax shown on each trip screen displays the highest speed the vehicle has travelled at, since that trip was reset.

Vehicle info

Overview



The following choices can be made from the Vehicle info screen.

- Error messages, page 3.06
- Rear view camera (RVC), page 1.27
- Tyre, page 3.07
- Oil status, page 3.07
- Battery, page 3.07
- Servicing, page 3.07

Error messages

If no error messages have been logged, the display will confirm this.

If any errors have been logged, the screen will display error messages with arrows to scroll through the messages.

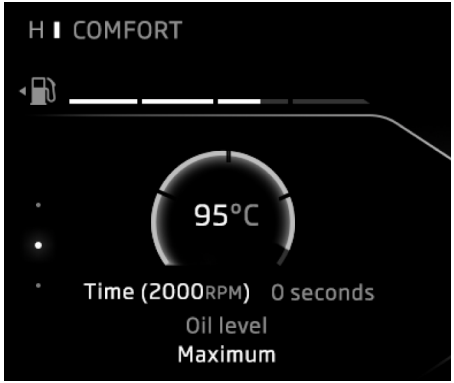
Driver Display

Tyre

This shows the pressures and temperatures of each of the 4 tyres. If the tyre icon next to the pressure or temperature figures appear in white, no action is required. If they appear in amber or red, have the tyres inspected and pressures rectified as soon as possible.

Inspect the tyre(s) for any possible causes of reduced pressure or increased temperature.

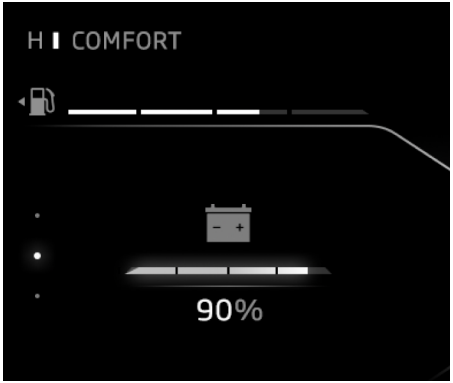
Oil status



Displays a gauge showing the level of oil, together with the oil temperature.

To check the engine oil level, see Engine oil, page 6.02.

Battery



Displays a gauge showing the battery charge status.

To charge the battery, see Battery Care and Maintenance, page 6.15.

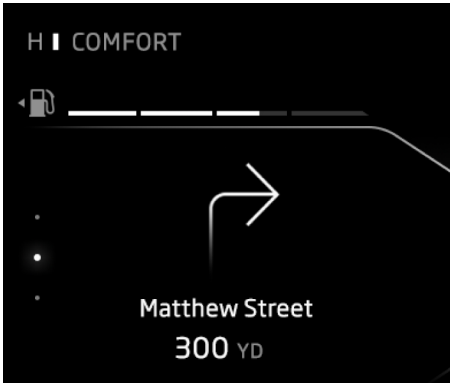
Servicing

At approximately 30 days or 625 miles (1,000 km) before a service is due, the above display appears.

The message will then appear every time the ignition is switched on, with the time/distance figures reducing. Once the service has been carried out, the display will be reset by your McLaren retailer.

If a service becomes overdue, the display will show the distance by which it is overdue.

Navigation

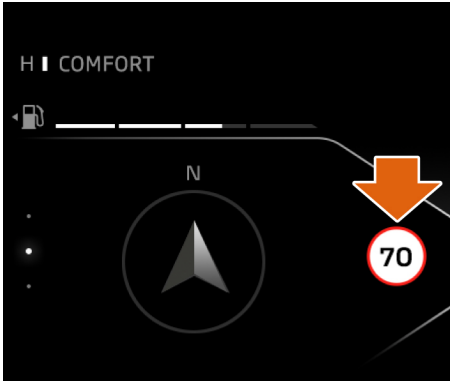


The current navigation turn-by-turn guidance will be displayed on the Driver Display if route guidance has been started using the McLaren Infotainment System (MIS).

For more information on setting a route and using the navigation feature, see Navigation, page 4.31.

1. Next turn direction and distance
2. Total distance to destination remaining
3. Total time to destination remaining

NOTE: If no destination has been set using the McLaren Infotainment System (MIS), only the compass and current road name will be displayed.



If available, the speed limit for the current road will be displayed on the Driver Display.

NOTE: The speed limit is for guidance only, always observe local speed limit information as there may be temporary or new speed restrictions in place.

Messages

The Driver Display may show messages that refer you to the Owner's Handbook.

The icon displayed with the message indicates the severity.


Information that does not require action to be taken.


Information that requires action to be taken.


Low risk fault information.


High risk fault information.

NOTE: Some messages may have different icons indicating that there is a fault with a specific function.

Some messages advise you to consult the Owner's Handbook. The table below indicates what you should do when one of these messages is displayed.

WARNING: Do not ignore warning messages, failure to take appropriate action may result in injury or damage to the vehicle.

Messages

Message	Action
Brake fluid level low	Top up brake fluid, see Brake fluid, page 6.07.
Steering fluid level low	Top up the power steering fluid, see Power steering fluid, page 6.06.
Front left tyre pressure low	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Front right tyre pressure low	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear left tyre pressure low	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear right tyre pressure low	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.

Message	Action
Clutch over temperature	The vehicle has been subject to extreme operating conditions. This may be caused by excessive hill starts, repeated hard acceleration, driving slowly up steep hills for extended periods. As a result, the gearbox may limit engine torque. Stop the vehicle and allow the engine to idle in neutral for a few minutes.
Clutch temperature high	The vehicle has been subject to extreme operating conditions. This may be caused by excessive hill starts, repeated hard acceleration, driving slowly up steep hills for extended periods. As a result, the gearbox may limit engine torque. Stop the vehicle and allow the engine to idle in neutral for a few minutes.
ESC OFF not possible	The ESC deactivation conditions have not been met, see Electronic stability control (ESC), page 2.30.
Front left tyre over inflated	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Front right tyre over inflated	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear left tyre over inflated	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear right tyre over inflated	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
ESC Reduced not possible	The ESC reduction conditions have not been met. See Electronic stability control (ESC), page 2.30.
Cruise control unavailable at current vehicle speed	See Using cruise control, page 2.36.
Front left tyre over temperature	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.

Message	Action
Front right tyre over temperature	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear left tyre over temperature	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Rear right tyre over temperature	Stop the vehicle and inspect wheels and tyres, see Inspecting wheels and tyres, page 6.43.
Battery management active	The vehicle is not be able to supply enough voltage and has activate power saving mode. The climate control and steering will operate with reduced effect. See Vehicle electrical status, page 2.02.
Key battery critically low	See Replacing key fob battery, page 6.37.
Key battery low	See Replacing key fob battery, page 6.37.
Windscreen washer fluid low	Top up windscreen washer fluid, see Windscreen washer fluid, page 6.08.

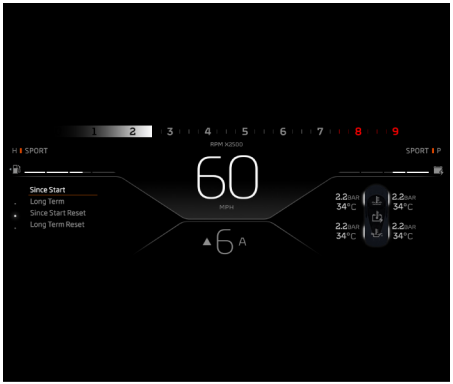
Display window

Non-Active/Comfort mode

The display window provides the driver with visual access to the control settings and current performance values of the vehicle. The Driver Display, as indicated above, is displayed when the vehicle is in Non-Active/Comfort mode.

The information displayed on the centre section of the Driver Display will change dependent on the mode selected. See Sport mode, page 3.12 and Velocity mode, page 3.12.

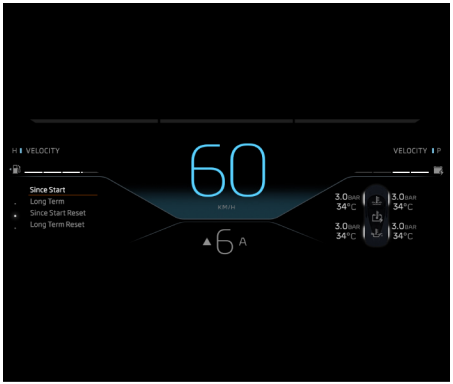
Sport mode



The display window provides the driver with visual access to the control settings and current performance values of the vehicle. The Driver Display, as indicated above, is displayed when the vehicle is in Sport mode.

The information displayed on the centre section of the Driver Display will change dependent on the mode selected. See Non-Active/Comfort mode, page 3.12 and Velocity mode, page 3.12.

Velocity mode

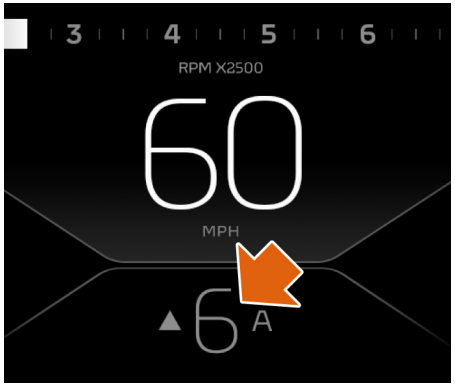


The display window provides the driver with visual access to the control settings and current performance values of the vehicle. The Driver Display, as indicated above, is displayed when the vehicle is in Velocity mode.

The information displayed on the Driver Display will change dependent on the mode selected. See Non-Active/Comfort mode, page 3.12 and Sport mode, page 3.12

For more information regarding shift lights see Shift lights, page 3.02.

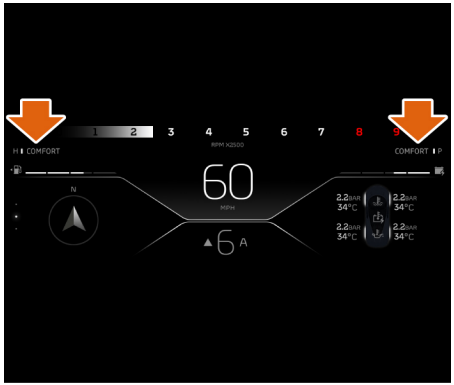
Gear position indicator



The gear indicator shows the current gear position selected: Neutral, Gear 1-7, or Reverse. The indicator will also show A or M depending on whether automatic or manual mode is selected.

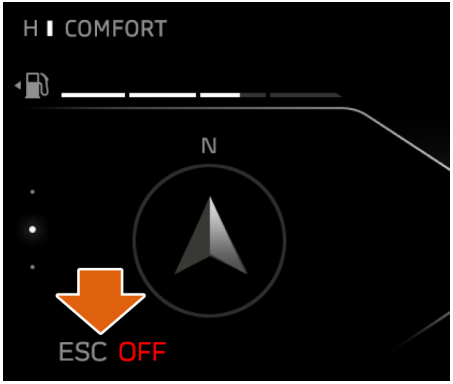
For more information, see Manual/automatic mode, page 2.15.

Handling and powertrain display



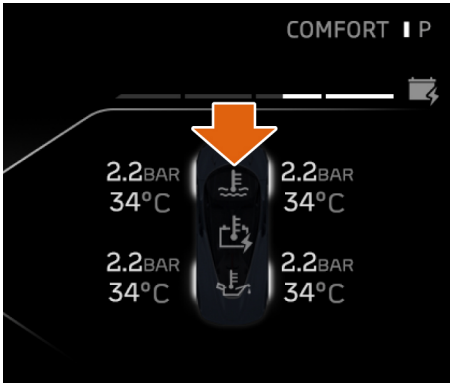
Confirmation that the ACTIVE button has not been pressed (Active Dynamics Panel is off), the handling and powertrain displays will both show Non-Active and will be displayed in white. The mode will not be implemented if all pre-conditions are not met, if the handling and powertrain mode selected is displayed. For more information on the different settings that are available, see Active dynamics control, page 2.18.

Electronic stability control (ESC) mode display



Confirmation of the electronic stability control mode selected is displayed. For more information on the different settings that are available, see Electronic stability control (ESC), page 2.30.

Water temperature



The water temperature is displayed in the form of a coloured icon on the right-hand side of the Driver Display.

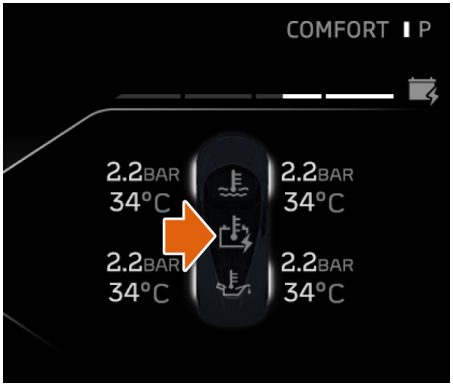
When the engine is first started the icon will be BLUE. As the engine warms up, the colour will change to WHITE, indicating normal temperature.

High temperature is indicated if the icon turns RED.

If the icon turns RED, slow down until the temperature drops to normal. If the temperature continues to rise a warning message will appear on the Driver Display.

Stop the vehicle as soon as safety permits and contact your McLaren retailer.

HV battery temperature



The High Voltage (HV) battery temperature icon is on the right-hand side of the Driver Display.

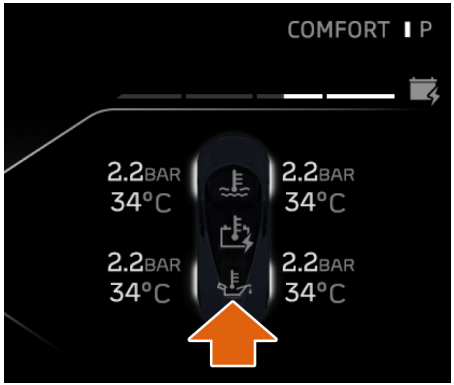
When the vehicle is first started the icon will be BLUE. As the engine warms up, the colour will change to WHITE, indicating normal temperature.

High temperature is indicated if the icon turns RED.

If the icon turns RED, slow down until the temperature drops to normal. If the temperature continues to rise a warning message will appear on the Driver Display.

Stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

Oil temperature



The oil temperature icon is on the right-hand side of the Driver Display.

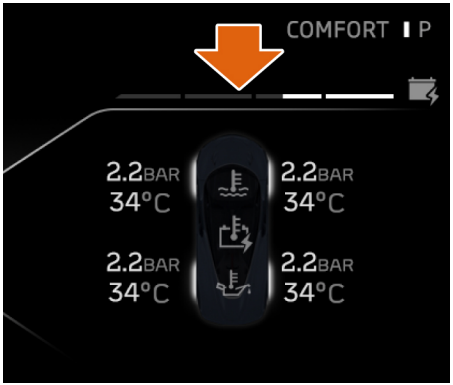
When the engine is first started the icon will be BLUE. As the engine warms up, the colour will change to WHITE, indicating normal temperature.

High temperature is indicated if the icon turns RED.

If the icon turns RED, slow down until the temperature drops to normal. If the temperature continues to rise a warning message will appear on the Driver Display.

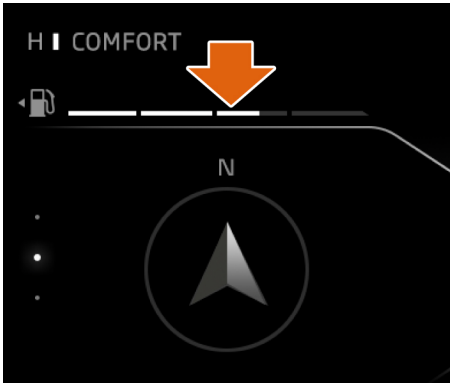
Stop the vehicle as soon as safety permits and contact your McLaren retailer immediately.

HV battery charge level



The High Voltage (HV) battery charge level is displayed in the form of a gauge along with a percentage figure on the right-hand side of the Driver Display. See Battery Care and Maintenance, page 6.15 for further details on the HV system.

Fuel level and range



Fuel level

The fuel level is displayed in the form of a gauge on the left-hand side of the Driver Display.

Fuel range

Range is the estimated distance until the vehicle requires refuelling.

Introduction

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Every attempt is made to ensure that this information is totally accurate, however no liabilities for inaccuracies or the resulting consequences are accepted by McLaren Automotive or its retailers, except in the case of personal injury caused by the negligence of these parties.

Other information

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Overview

When the ignition is switched on, the McLaren Infotainment System (MIS) will start up and resume the previously used audio source if available.

The MIS comprises two screens, each with their own interface:

1. Left-hand MIS screen, page 4.03
2. Right-hand MIS screen, page 4.03

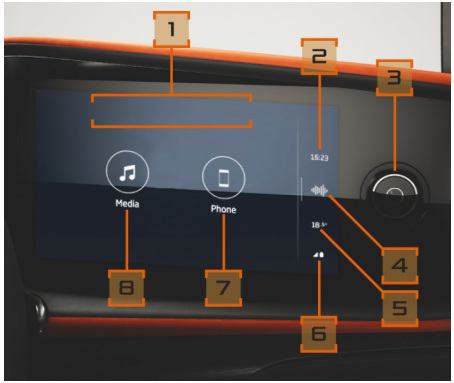
Introduction

Left-hand MIS screen

The left-hand MIS screen provides access to the following features:

1. Climate Control, page 5.04
2. Ambience, page 5.10
3. Navigation, page 4.31

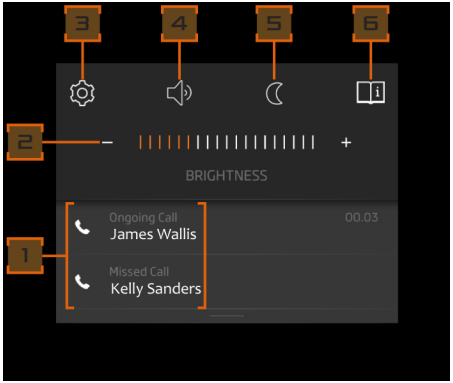
Right-hand MIS screen



The right-hand MIS screen provides access to the following features and information:

1. Notifications and settings, page 4.03
2. Clock, page 4.04
3. Home, on/standby, volume, page 4.04
4. Audio, page 4.30
5. Temperature, page 4.04
6. Connected device status, page 4.05
7. Phone, page 4.17
8. Media, page 4.25

Notifications and settings



Swipe down on the notification bar at the top of the MIS screen to access notifications and settings shortcuts.

1. Notifications, including the status of connected devices, phone call history and ongoing calls will be displayed in the notification area. Tap on a notification to launch the corresponding application, for example, phone.

   Notifications can be dismissed by swiping them to the right.

2. The brightness of all screens (including the Camera Monitor System screens) can be increased by tapping the + icon and reduced by tapping the - icon. The screen brightness can also be adjusted by swiping left or right along the bar.
3. Tap to view and adjust the available settings for the vehicle, Driver Display, and MIS.

   See Settings, page 4.06.
4. Tap to mute/unmute any audio being played.
5. Tap to toggle night mode on or off. When night mode is active, the main part of the left and right-hand MIS screens will turn black, leaving only the application shortcuts visible on the outer edge of the screens.
6. Tap to launch the electronic version of the Owner's Handbook, see Electronic user manual, page .3.

Clock

The clock displays the current time. For more details see Time and Units, page 4.07.

Home, on/standby, volume

To switch the MIS on, press the home button (3).

When the MIS is on, a brief press of the button will return you to the home screen from anywhere in the system.

Press and hold the home button for three seconds to switch the MIS into standby mode. To switch from standby mode to on, simply press the home button.

To use the MIS when the vehicle's Ignition is off, press and hold the home button for one second to access Timer mode. In this mode the MIS will shut down after 15 minutes if not extended by the user.

Rotate the control (3) clockwise to increase volume or anti-clockwise to reduce the volume.

A horizontal bar representing the volume setting will appear briefly on the screen.

Use the volume control to set the volume of the system that is currently active. The name of the active system will appear on the screen.

NOTE: You can adjust any volume source by rotating the volume control dial. For temporary sources of audio (phone calls), this can be adjusted using the dial when the source is active.

Temperature

WARNING: Even if the temperature displayed is above freezing point, the road surface may still be icy. You should always adapt your driving style and speed to suit the weather conditions.

Temperature is the current outside temperature. There is a short delay before a change in outside temperature is displayed.

When the outside air temperature falls below 3°C (37°F), the frost warning message will be displayed and the temperature reading will change colour after the message has been displayed.

When the outside temperature falls below 0°C (32°F), the ice warning will be displayed.

NOTE: If the outside temperature is below -5°C (23°F) the vehicle should not be driven, as damage to the suspension components could occur.

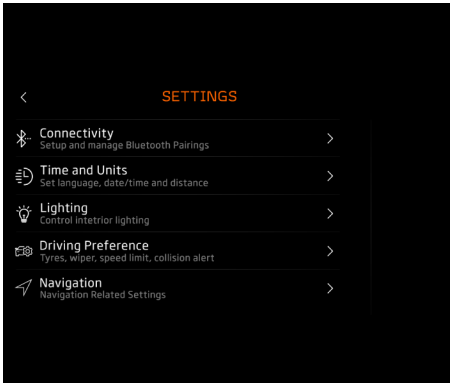
Connected device status

The available information for a connected device, such as network connectivity, signal strength and battery status, will be displayed in the lower right hand corner of the MIS screen.

NOTE: The information displayed may vary, depending on the device connected.

Settings

Overview



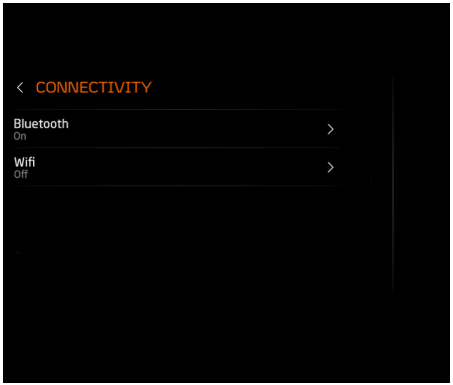
Swipe down on the notification bar at the top of the right-hand MIS screen and tap the settings icon to open the settings menu.

The following choices can be made from the Settings menu:

- Connectivity, page 4.06
- Time and Units, page 4.07
- Lighting, page 4.11
- Driving Preference, page 4.11
- Navigation
- Phone, page 4.13
- Security, page 4.14
- System, page 4.15

NOTE: The settings available may vary depending on the vehicle specification.

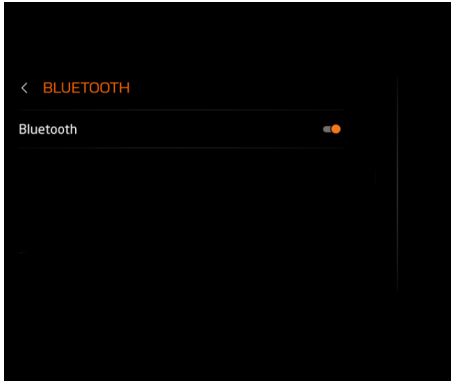
Connectivity



The following connectivity settings are available:

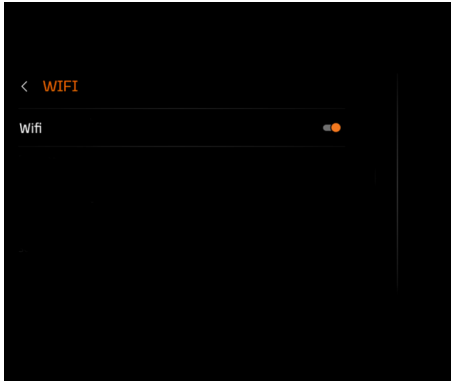
- Bluetooth, page 4.07
- Wi-Fi, page 4.07

Bluetooth



Touch **Bluetooth** to toggle the function **On** and **Off**.

Wi-Fi



Touch **Wi-Fi** to toggle the function **On** and **Off**.

Time and Units

The following time and units settings are available:

- Daylight saving time, page 4.08
- Language, page 4.08
- Time Format, page 4.09
- Time Adjustment, page 4.09
- Time Zone, page 4.09
- Speed & Distance Units, page 4.09
- Fuel Consumption Units, page 4.10
- Temperature Units, page 4.10
- Pressure Units, page 4.10

Settings

Daylight saving time

Touch **Daylight saving time** to toggle the function **On** or **Off**.

Language

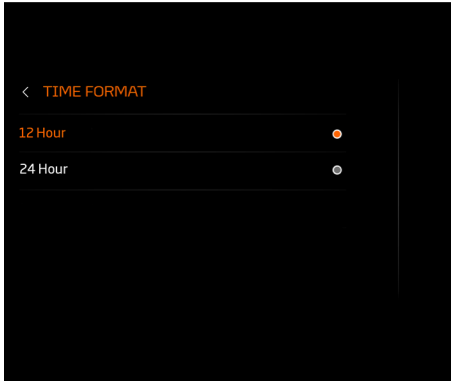
Select your preferred language from the list.

The following choices are available:

- Arabic (Saudi)
- Chinese (Cantonese)
- Chinese (Mandarin)
- Czech
- Dutch
- English (Australia)
- English (UK)
- English (US)
- French
- German
- Greek
- Hungarian
- Italian
- Polish
- Portuguese (Brazil)
- Russian
- Spanish
- Thai
- Turkish

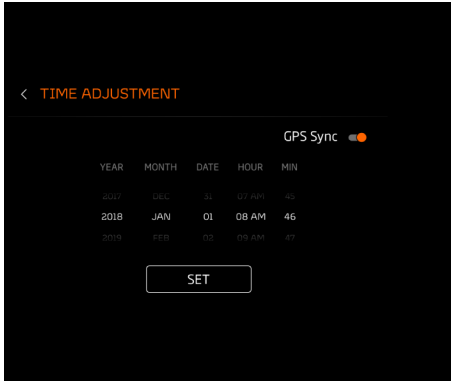
Settings

Time Format



Select **12 hour** or **24 hour** format.

Time Adjustment



GPS sync automatically adjusts the time using the GPS signal. Touch **GPS Sync** to toggle the function **On** or **Off**.

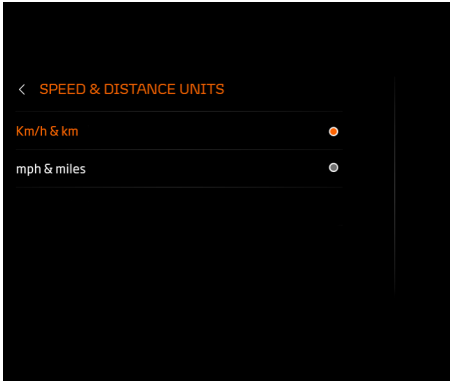
GPS sync must be set to **Off** before the time can be manually adjusted.

Use the on-screen controls to manually adjust the time and date.

Time Zone

Select the appropriate time zone for your location.

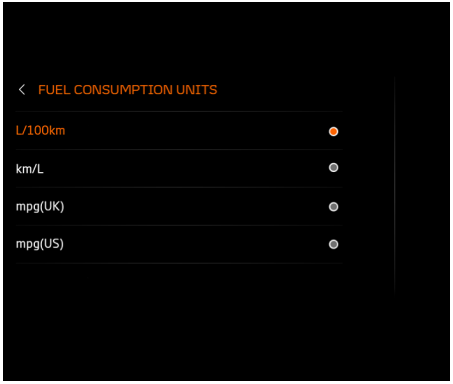
Speed & Distance Units



Select **km/h & km** or **mph & miles**.

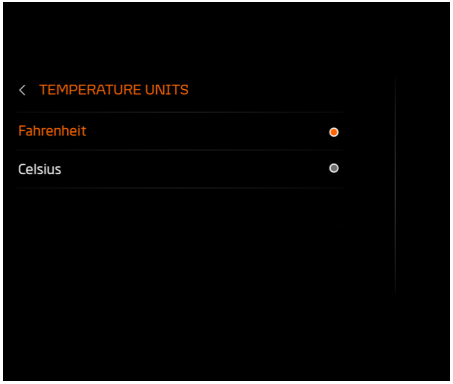
Settings

Fuel Consumption Units



Select **L/100km**, **km/L**, **mpg(UK)** or **mpg(US)**.

Temperature Units

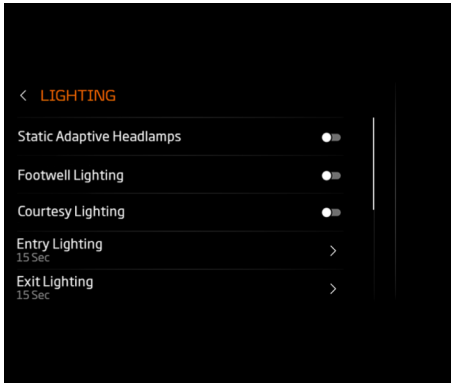


Select **Fahrenheit** or **Celsius**.

Pressure Units

Select **Kpa**, **PSI** or **Bar**.

Lighting



Static Adaptive Headlamps

The Static Adaptive Headlamps adjust the beams when cornering, providing improved illumination in the direction of travel. Set Static Adaptive Headlamps **On** to activate this feature, to deactivate, select **Off**.

Footwell and courtesy lighting

Footwell and courtesy lighting can be set to **On** or **Off** as desired.

Entry and exit lighting

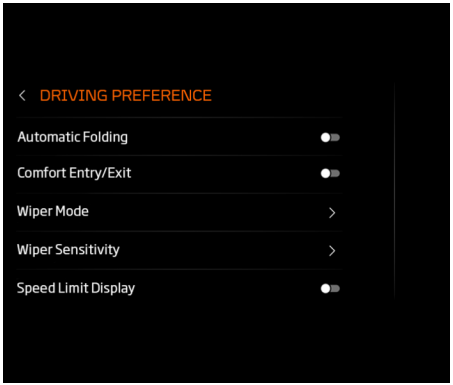
Entry and exit lighting illuminates the exterior lights when the vehicle is unlocked and locked. To activate these features, set the duration of each to **15 seconds**, **30 seconds**, **45 seconds** or **60 seconds**. To deactivate, select **Off**.

See Ambience, page 5.10 for more information.

Night illumination

Night illumination provides low level interior lighting when the headlamps are on. To activate, select the desired level from the range of 1 to 7. To deactivate, select **Off**.

Driving Preference



The following driving preference settings are available:

- Automatic Folding, page 4.12
- Comfort Entry/Exit, page 4.12
- Wiper mode, page 4.12
- Wiper sensitivity, page 4.12
- Speed Limit Display, page 4.12
- Activation on Reverse, page 4.13

Automatic Folding

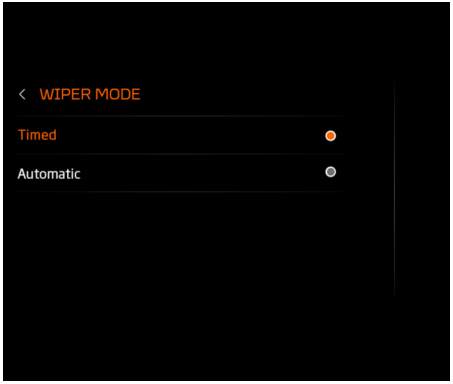
When **On** is selected, the exterior mirrors will fold as the vehicle is locked and unfold when the door is opened. If **Off** is selected, the mirrors will remain in their driving position.

Comfort Entry/Exit

When comfort entry/exit is **On**, the driver's seat will move fully rearwards and to its lowest position and the steering wheel will move inwards and to its highest position when the engine is off and the driver's door is opened.

When comfort entry/exit is **Off**, the driver's seat and steering wheel will remain in position at all times.

Wiper mode

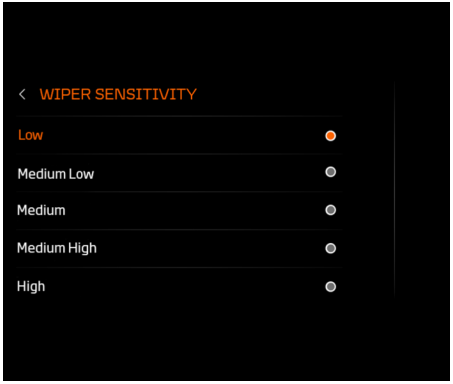


Select either **Automatic** or **Timed**.

With **Automatic** selected, wiper operation in the auto position will be controlled by the rain sensor. To set the sensitivity of the rain sensor, see Wiper sensitivity, page 4.12.

With **Timed** selected, wiper operation in the auto position will be an intermittent wipe.

Wiper sensitivity



Select the sensitivity level to suit your preference for wiper operation. This setting will apply for the rain sensor sensitivity level only and will not affect the intermittent wipe time delay.

Speed Limit Display

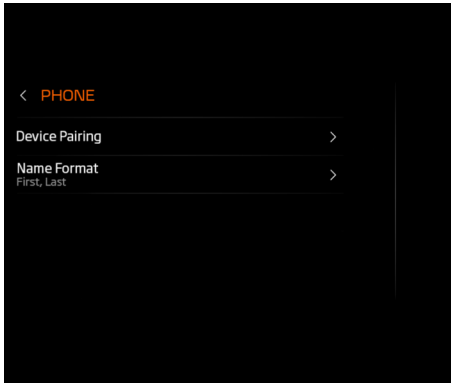
When **On** is selected, the speed limit for the current road will be displayed on the Driver Display if available.

Activation on Reverse

The Camera Monitor System (CMS) replaces the conventional exterior mirrors with a camera mounted on each side of the vehicle.

When **On** is selected, parking guidelines will be overlaid onto the rear view video feed to assist with parking manoeuvres when reverse gear is selected.

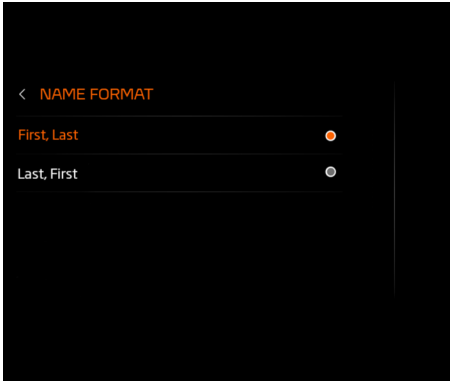
Phone



The following phone settings are available:

- Device pairing, page 4.18
- Name Format, page 4.13

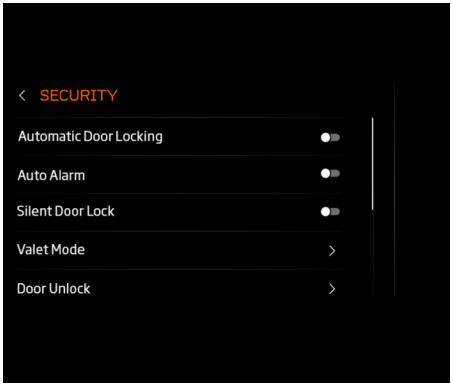
Name Format



Change the format of how your contacts names are displayed and sorted.

Select between **First, Last** or **Last, First**.

Security



The following security settings are available:

- Automatic door locking, page 4.14
- Auto alarm, page 4.14
- Silent Door Lock, page 4.14
- Valet Mode, page 4.14
- Door unlock, page 4.15

Automatic door locking

When you receive the vehicle, automatic door locking will be set to **On**.

The vehicle doors will automatically lock as the vehicle moves off.

Select **Off** to deactivate this feature. The doors remain unlocked after moving off, unless they are locked manually.

Auto alarm

When auto alarm is set to **On**, the vehicle will automatically lock and the alarm set if unlocked and left for 30 seconds with all doors, luggage compartment lid and service access panels left fully closed. Select **Off** to deactivate this feature.

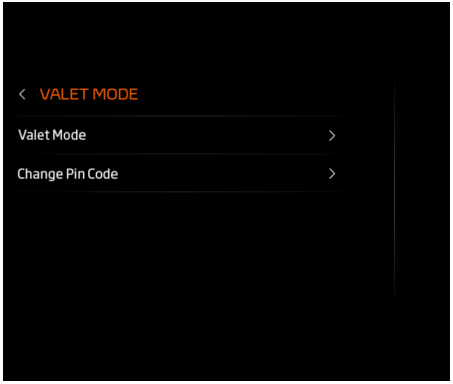
Silent Door Lock

When **On** is selected, the direction indicators are disabled when locking or unlocking using the keyless entry system.

If **Off** is selected, the direction indicators always flash when the vehicle is locked or unlocked, irrespective of the method used.

All other lock and unlock features remain active.

Valet Mode



With valet mode on, the speed of the vehicle is limited to 35 mph (55 km/h), the Active Dynamics Panel is disabled, the luggage compartments and the dashboard stowage compartments remain locked, and a confirmation message appears on the instrument cluster.

To switch on valet mode you must input a PIN code after selecting **Valet mode**.

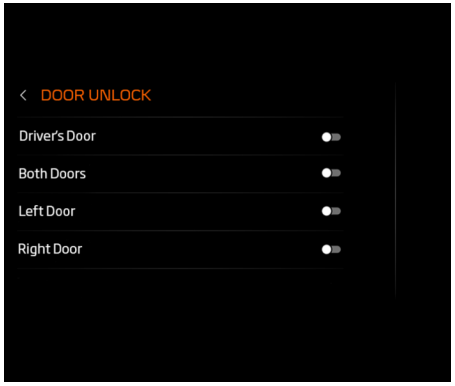
Enter the four digit PIN code using on-screen key pad, then touch **Enter** to confirm. An asterisk replaces each number as it is entered.

The factory set PIN code is 0000. Use this PIN code the first time to switch on valet mode. You should change this PIN code at the earliest opportunity.

Select Change PIN code, then enter the old PIN code, followed by a new PIN code using on-screen key pad, then touch Enter to confirm.

When valet mode is On, enter the PIN code to switch valet mode off.

Door unlock



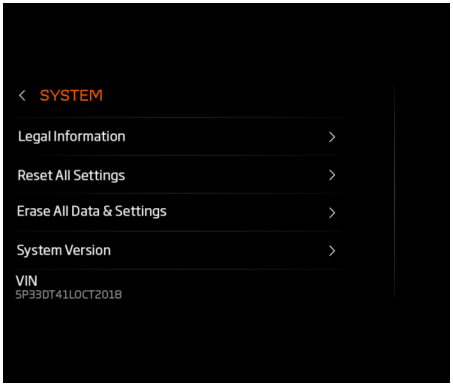
When Both doors is selected, both doors will unlock when the vehicle is unlocked using either the key fob or door button.

When Left door is selected, only the left-hand door will unlock when the vehicle is unlocked with either the key fob or door button.

When Right door is selected, only the right-hand door will unlock when the vehicle is unlocked with either the key fob or door button.

All closures will lock with Both doors, Left door or Right door selected.

System



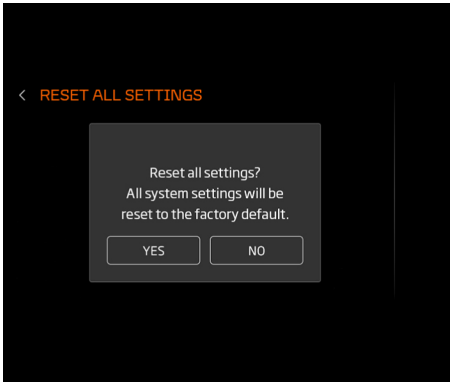
The following system settings are available:

- Legal information, page 4.16
- Reset all settings, page 4.16
- Erase all data and settings, page 4.16
- System version, page 4.16
- VIN , page 4.16

Legal information

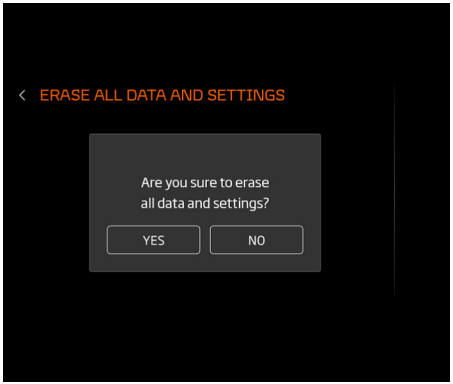
Select this option to view the available legal information relating to your vehicle and the McLaren Infotainment System (MIS).

Reset all settings



Select Yes to reset all vehicle and MIS settings to the factory default.

Erase all data and settings



Select Yes to erase all data and reset all vehicle and the MIS settings to the factory default.

System version

Displays the software version installed on the MIS.

VIN

Displays the vehicle identification number (VIN). See Vehicle identification number (VIN), page 7.03.

Phone

Overview

The McLaren Infotainment System (MIS) provides the facility to make and receive calls safely and hands-free, by connecting to your mobile phone using Bluetooth®.

The connection provides you with access to the contacts and call history stored on your phone.

The MIS can deal with conference calls, if supported by the connected phone, but cannot initiate them.

WARNING: Do not allow yourself to become distracted by the phone while driving. You could cause an accident.

Safety precautions

WARNING: Never attempt to operate the phone while the vehicle is moving. You could become distracted and cause an accident.

WARNING: Always store your phone securely. Unsecured objects can become dangerous missiles in the event of an accident.

WARNING: Always switch off the phone in areas with a high risk of explosion. These areas include filling stations, fuel storage areas or chemical factories, as well as places where the air contains fuel vapour, chemicals or metal dust.

The operation of cardiac pacemakers or hearing aids may be impaired when the phone is in use. Check with your doctor or the manufacturer of the equipment to establish if anyone who is using such devices, is sufficiently protected against high frequency energy.

McLaren recommend that, to avoid potential interference, a minimum distance of 15 cm (6 in) is maintained between a wireless phone antenna and a cardiac pacemaker.

Bluetooth®

Bluetooth® is the short-range radio frequency (RF) technology which allows electronic devices to communicate with each other wirelessly.

Compatible Bluetooth® phones can be used in conjunction with the MIS.

The MIS system supports Bluetooth® Hands-Free Profile 1.6 (HFP 1.6). If the mobile phone connected to the system also supports this profile, features such as battery meter and signal strength may be displayed on the screen.

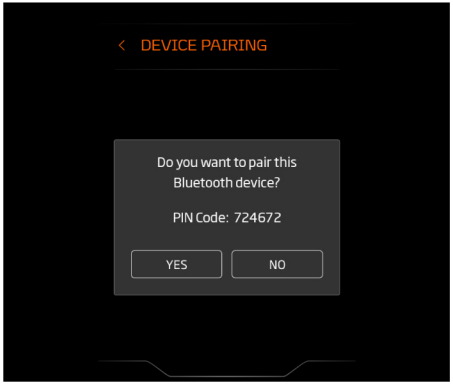
Your mobile phone must be paired and connected with the MIS before it can be operated, see Device pairing, page 4.18 and Connecting a phone, page 4.19.

Device pairing

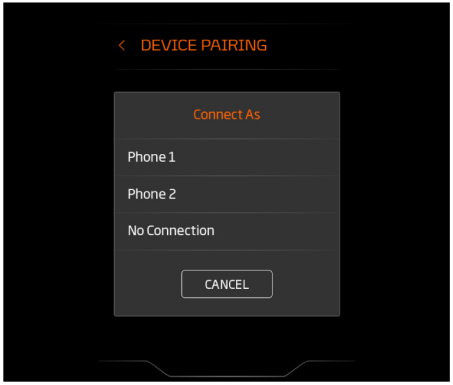
1. By default, Bluetooth® will be switched on and the McLaren Infotainment System (MIS) will be in discoverable mode. If Bluetooth® is not on, switch on manually, see Bluetooth, page 4.07.
2. Using your mobile phone, select the search for Bluetooth® devices function.

NOTE: On some phones, this is referred to as a new paired device. Refer to your phone's operating instructions for the exact description.

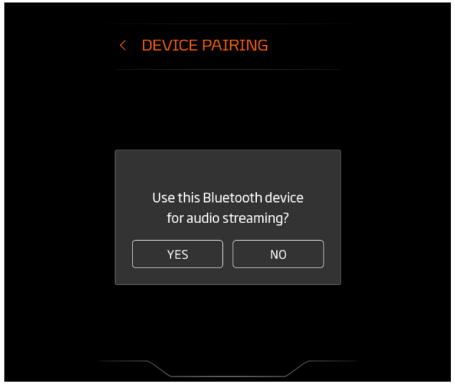
3. Select "MIS" from the list of available devices.
4. The MIS will display a passkey.



5. Select **Yes** to confirm that the passkey displayed on the MIS is the same as the passkey displayed on your phone.
6. Select **Pair** on your phone.



7. Once your phone has paired and connected to the MIS, select whether to connect as **Phone 1** or **Phone 2**. Select **No connection** if the Bluetooth® device is to be used for audio streaming only.



8. If supported by your phone, the MIS will ask if you wish to use your phone for Bluetooth® audio streaming, select **Yes** to enable this feature.
9. While pairing some devices which support internet connection sharing via Bluetooth®, you may have to choose which Access Point Name (APN) your device will use to access the internet.

   Select the option appropriate to your device and contract.

   Internet sharing via Bluetooth® can be disabled using the settings on your phone.
10. Once your phone has been paired and connected to the MIS, it will connect automatically whenever it comes within range.
11. If it does not automatically connect, it will be necessary to connect manually to the MIS, using the mobile phone controls.

NOTE: Some phones must be manually connected.
Some phones require the connection to be authorised each time. Set MIS as authorised in the phone's known device list, to prevent this.

See Phone, page 4.13 for detail of all options available.

Pairing additional devices

The procedure for connecting additional devices is the same as when pairing the first phone, see Device pairing, page 4.18.

A maximum of 12 devices can be paired with the MIS, but only two can be connected at a time.

NOTE: If the maximum number of devices are already connected to the MIS, an additional device can be paired, but will not be connected. The original devices will remain connected to the MIS.

Connecting a phone

If you have already paired a phone, the MIS will automatically reconnect to it when the phone comes within range unless other devices are connected.

NOTE: Some phones must be manually connected.
Some phones require the connection to be authorised each time. Set MIS as authorised in the phone's known device list, to prevent this.

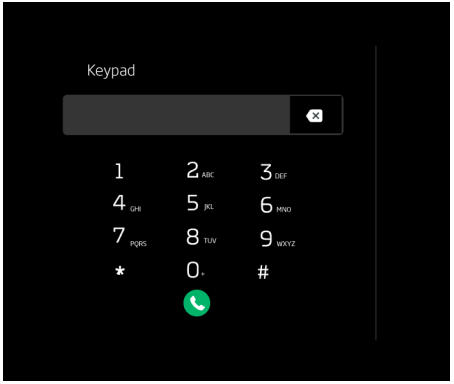
Your phone will be disconnected when the MIS or the vehicle is switched off. Automatic reconnection may take several seconds when the vehicle or the MIS is switched on again.

Making a call

There are a number of ways of making a call, these are explained in the following pages.

To switch to the phone application, touch the Phone icon on the right-hand McLaren Infotainment System (MIS) screen.

Using the keypad



1. From the Phone screen, touch the icon.
2. Phone numbers can be entered using the on-screen keypad.

If you enter an incorrect number or digit, touch the icon to delete the last digit.

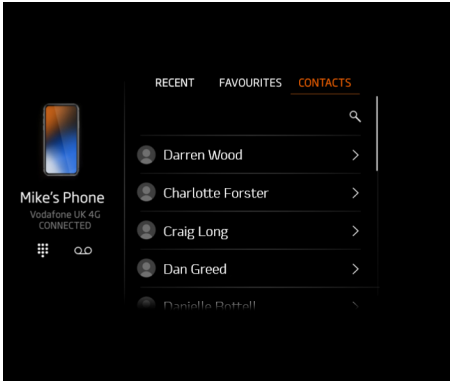
3. Touch the icon when the complete number is displayed on the screen to begin the call.

NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

4. A call can be cancelled, while the system is dialling, by touching **End Call** or the phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

Using contacts



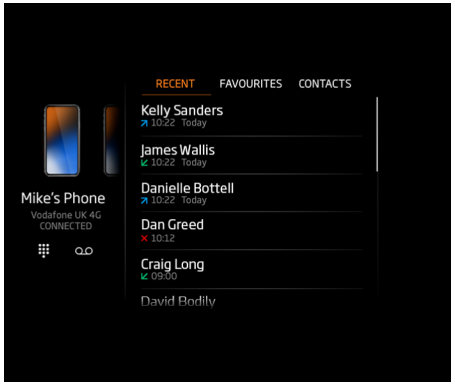
1. From the Phone screen, touch the **CONTACTS** tab.
2. Once your contacts are displayed, a specific person can be found by scrolling through the list.
3. Select a contact to view all available phone numbers for that contact. Touch the required number to begin the call.

NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

4. A call can be cancelled, while the system is dialling, by touching **End Call** or the phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

Using call history



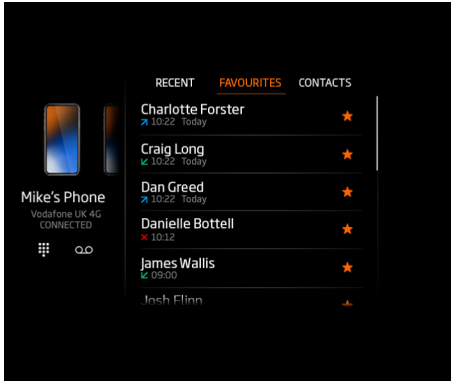
1. From the Phone screen, touch the **RECENT** tab.
2. A list of dialled, missed and received calls will be displayed in chronological order with most recent on top.
3. Touch the required contact to begin the call.

NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

4. A call can be cancelled, while the system is dialling, by touching **End Call** or the phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

Favourites



1. From the Phone screen touch the favourites tab.
2. A list of your favourite contacts will be displayed.
3. Touch the required contact to begin the call.

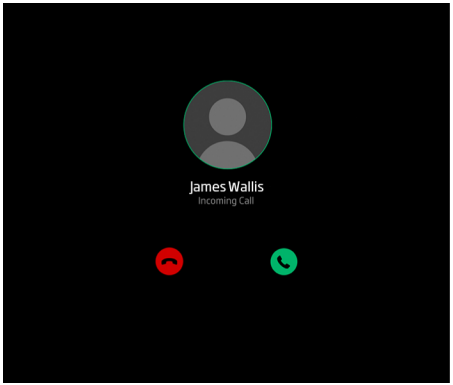
NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

4. A call can be cancelled, while the system is dialling, by touching **End Call** or the phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

Phone

Receiving a call



When you receive an incoming call, the McLaren Infotainment System (MIS) will display any caller details which are stored on your phone and synchronised with the MIS.

To accept the call, touch the green icon.

To decline the call, touch the red icon.

In-call options

Touch the keypad icon to launch the on-screen keypad, touch again to hide it.

Touch the mute icon to disable the microphone, touch again to enable it.

Touch the pause icon to put the call on hold.

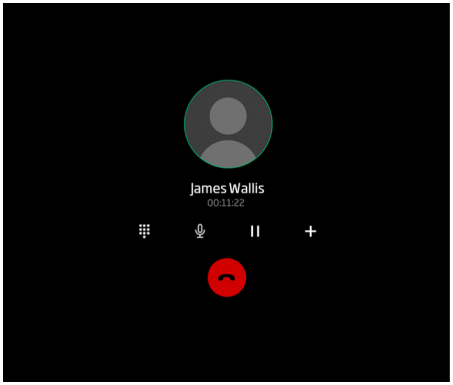
Touch the plus icon to add another caller. Select a contact from your contacts list and begin a conference call.

Touch the merge icon to merge two calls into a conference call. The merge icon replaces the plus icon when the option is available.

Press the home button to view the home screen during a phone call. You can access other features of the McLaren Infotainment System (MIS) during a call. The current call will be minimised at the top of the display.

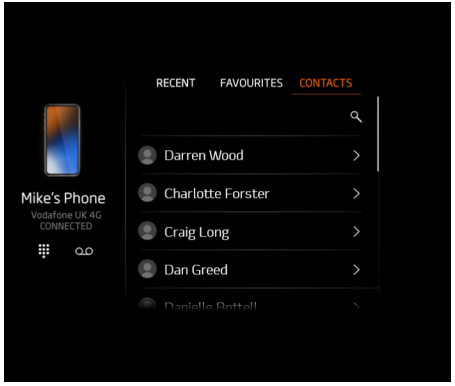
Ending a call

Touch **End Call** to end the phone call. The screen will return to the phone menu.



To end a call while viewing a different system screen, touch the red end call icon adjacent to the call in progress display at the top of the screen.

Contacts



1. From the Phone screen, touch the contacts tab.

NOTE: Dependent on phone model, pictures of contacts stored on your phone, will be displayed on the screen alongside the contact name.

2. If your contact list extends beyond the depth of a single screen, scroll up and down the list by swiping your finger upwards or downwards on the screen.

NOTE: Contacts can be sorted by either first name or last name, see Name Format, page 4.13 for more information.

3. Alternatively, you can search for a contact using the on-screen keyboard, see Search, page 4.23.
4. Select a contact to view all available information for that contact.

NOTE: Dependent on phone model, if pictures of contacts are stored on your phone, these will be displayed on the screen during a call if contacts have been synchronised with the MIS.

5. Touch the required number to begin the call.

NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

NOTE: Alternatively touch to begin navigation to the contact's address.

6. A call can be cancelled, while the system is dialling, by touching **End Call** or phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

NOTE: To tag a contact as a favourite touch . Touch again to remove them from your favourites.

Search

1. Press the icon from the contacts tab.
2. Using the on-screen keyboard, enter at least one character to filter the displayed contacts.

   If you enter an incorrect number or digit, touch the icon to delete the last digit.

NOTE: Contacts can be sorted by either first name or last name, see Name Format, page 4.13 for more information.

3. Select a contact to view all available phone numbers for that contact. Touch the required number to begin the call.

NOTE: The circle around the contact symbol is yellow during dialling, and changes to green when the call is connected.

Phone

NOTE: Dependent on phone model, if pictures of contacts are stored on your phone, these will be displayed on the screen during a call if contacts have been synchronised with the MIS.

4. A call can be cancelled, while the system is dialling, by touching **End Call** or the phone button.

NOTE: Any media or radio play will be muted while a call is in progress.

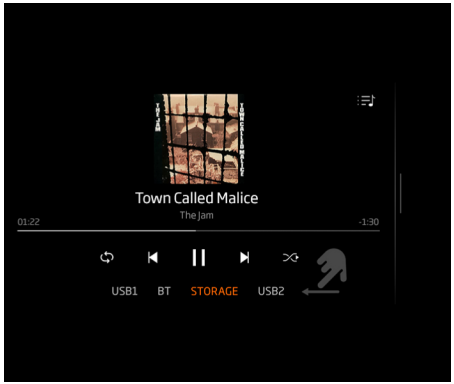
Media

Overview

The functions of the media player can be accessed by touching the Media icon on the right-hand McLaren Infotainment System (MIS) screen.

Selecting Media will present the available audio sources.

Audio sources



If music devices are connected to the USB port, the auxiliary socket and Bluetooth®, all sources will appear on the screen, with their respective symbols at the top of the screen.

NOTE: If a device is not available, it will be greyed out in the list.

Supported media devices

For a list of current compatible media devices, please contact your McLaren retailer.

Supported media files

The media system can play files of the following format/encoding combinations.

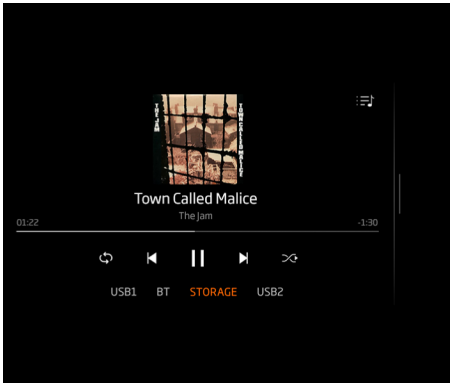
Audio:

- MP3
- AAC
- WMA
- OGG Vorbis
- AC3
- AMR
- FLAC
- WAV
- AIFF

Video:

- MPEG1
- MPEG2
- H.264/MPEG-4 AVC
- MPEG-4 Video
- DivX 4/5
- XviD HT
- VC-1

Media controls



Music played from the internal storage or connected device can be controlled using the McLaren Infotainment System (MIS) touch screen.

Once music has started playing, the artist's name, the album title and the song title will appear on the screen. If there is any artwork associated with the song, that will also be displayed, if no artwork is available, a representation of a musical note will be shown.

Move forward or backward through the current track by touching and holding the or icons. Alternatively, you can touch and drag the progress bar to move through the track.

A single touch of will skip to the next track. A single touch of icons will skip to the start of the current track, a second touch will skip to the previous track.

Swipe gestures can also be used to skip tracks. Swipe the screen from left to right in order to skip to the next track. Swipe the screen from right to left in order to skip to the start of a track, swipe again to skip to the previous track.

To pause a track, touch the icon. To resume play, touch the icon. A track can also be paused or played by tapping the screen.

To randomly play through the current selection, press the icon. The icon will turn amber when random is active.

To activate the repeat feature, press the icon. The icon will turn amber when repeat is active.

NOTE: This function is not available for Bluetooth® devices.

Connecting an external device

Open the dashboard stowage compartment and connect the device as required.

Ensure that the dashboard stowage compartments are closed before driving.

See Device pairing, page 4.18 for details on connecting a Bluetooth® device.

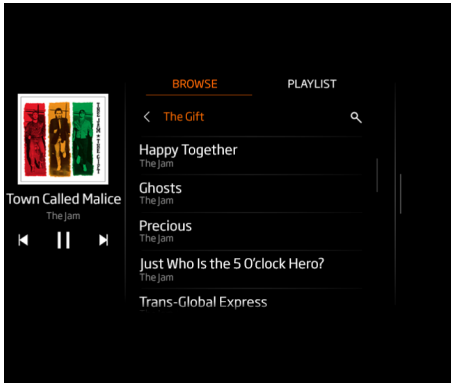
NOTE: Any internal batteries fitted to your device will be charged through either USB port.

USB and iPod

Connect a USB device, see Connecting an external device, page 4.26.

From the Media screen, select USB.

NOTE: Any internal batteries fitted to your device will be charged through the USB port.



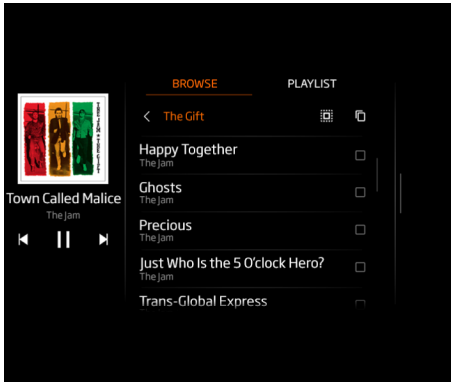
- All songs
- Artist
- Album
- Genre
- Folder

Browse to the folder or playlist you wish to listen to, select a track to begin playing.

Touch and use the on-screen keyboard to search for audio files.

Copy to storage

Use the copy function to copy music files from a USB device to storage.



1. Press and hold the track or folder you want to copy.
2. Select other tracks or folders you want to copy, or touch to select all items in the current list.
3. Touch to copy the files selected.
4. Chose the destination folder, or touch to create a new folder.
5. Touch PASTE to paste the items.

Storage

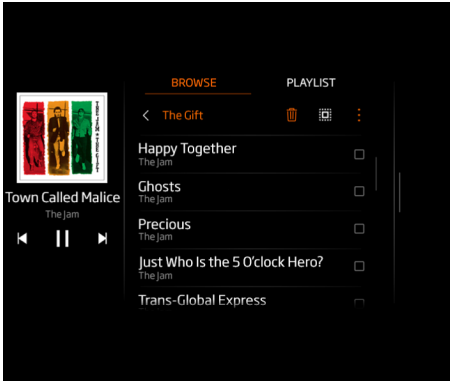
From the Media screen, select Storage.

Browse to the folder or playlist you wish to listen to, select a track to begin playing.

Import files

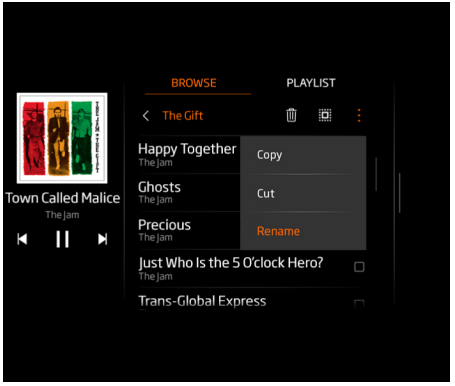
Files can be imported from a connected USB device. See Copy to storage, page 4.27.

Erase storage



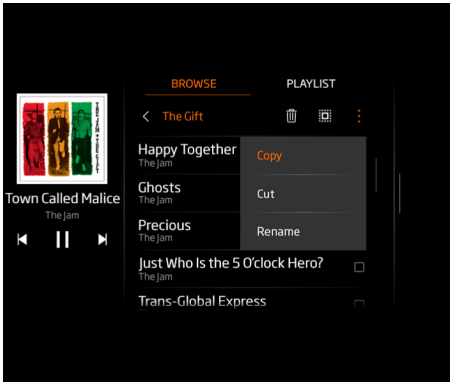
1. Press and hold the track or folder you want to erase.
2. Select other tracks or folders you want to erase, or touch to select all items in the current list
3. Touch to erase the selected files.
4. Confirm that you are sure you want to delete the selected items.

Rename



1. Press and hold the track or folder you want to rename.
2. Touch to open the menu.
3. Select **Rename**, and enter the new name.
4. Touch **OK** to confirm the new name.

Move or Copy



1. Press and hold the track or folder you want to move or copy to another folder.
2. Select other tracks or folders you want to move or copy, or touch to select all items in the current list.
3. Touch to open the menu.
4. Select the destination folder, or touch to create a new folder.

5. Touch **Paste** move or copy the items to the selected folder.

Bluetooth audio

Connect a Bluetooth® device, see Device pairing, page 4.18.

From the Media screen, select the Bluetooth audio source.

Music may begin playing automatically, depending on the Bluetooth® device connected.

If music does not start playing automatically, select play on the device itself.

The Bluetooth® symbol will appear at the top of the screen while music is playing.

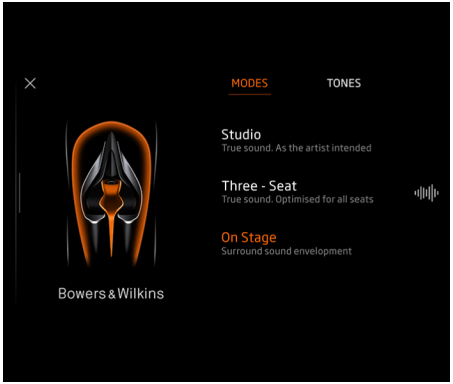
The volume can be adjusted using the McLaren Infotainment System (MIS), see Overview, page 4.02.

Audio volume is dependent on the output volume of the device attached, and the MIS volume.

Overview

Touch the audio icon on the right-hand McLaren Infotainment System (MIS) screen to display the audio setting screen.

The audio settings apply to all functions of the MIS.



Swipe across the top of the screen to select from the following options:

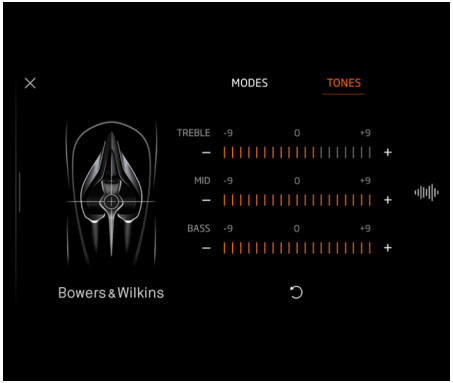
- Modes, page 4.30
- Tones, page 4.30

Modes

There are 3 preset audio modes.

- Studio - True sound. As the artist intended.
- Three - Seat - True sound. Optimised for all seats.
- On Stage - Surround sound envelopment.

Tones



- Balance/Fader - Touch and drag the cross-hair to adjust the balance and fader.
- Treble, Mid, Bass - Touch the + or - icons adjacent to treble to achieve the desired sound reproduction quality. The range is 0 to +9 or 0 to -9 in increments of 1.

Overview

The navigation system uses signals from Global Positioning System (GPS) satellites together with information from vehicle sensors and map data stored on the McLaren Infotainment System (MIS) to determine the precise location of the vehicle.

Using this data, the system is able to create the optimum route to your destination, taking into account any journey preferences you may have set.

Creation of a specific route is achieved by using the on-screen menus and the left-hand MIS screen controls, to make your selections. This results in your route being highlighted on the map.

Once you have started a journey, turn information is displayed on the left-hand MIS screen, supplemented by voice guidance if required, at appropriate points during the journey.

When a significant diversion is made from a planned route, the system will automatically recalculate an alternative route to the destination.

Safety

WARNING: For your safety, ensure that you do not become distracted from the task of driving, through use of the navigation system. Read and adhere to the safety message which appears the first time you enter the navigation system after switching on the ignition.

National road traffic laws and traffic signals must always be obeyed.

Always remember that the purpose of the navigation system is to help in determining the optimum route, it must never be considered as an aid when visibility is reduced.

GPS signals may be interrupted when travelling through tunnels or other situations where GPS signal could be blocked. Navigation will continue on the route until GPS signal is regained.

Errors in vehicle position are also possible under the conditions described, and if any of the following have occurred:

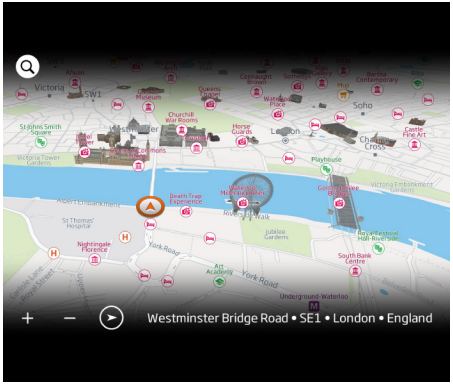
- driving inside a building e.g. a multi-storey car park
- travelling on a road with a second parallel road very close
- a turntable has been used to rotate the vehicle
- the vehicle has been transported to a different location

Using Navigation

Touch the Navigation icon on the left-hand McLaren Infotainment System (MIS) screen.

The first time you access navigation after the ignition is switched on, the MIS displays safety warning messages. Please read these messages.

The caution message will automatically disappear once the navigation system has finished loading.



A map showing your current location will appear on the MIS screen.

The location and direction of travel of your car is shown as an arrow head on the screen.

To manipulate the area of the map which is displayed, touch the screen and gently move your finger in any direction to move around the map.

Touch to access the options for setting a destination, see Setting a destination, page 4.33.

The MIS has a multi-touch screen, allowing easy zooming in and out using pinch gestures. Touch the screen with thumb and forefinger and move them closer together to zoom out, move them further apart in order to zoom in again.

The + and - icons can also be used to zoom in and out.

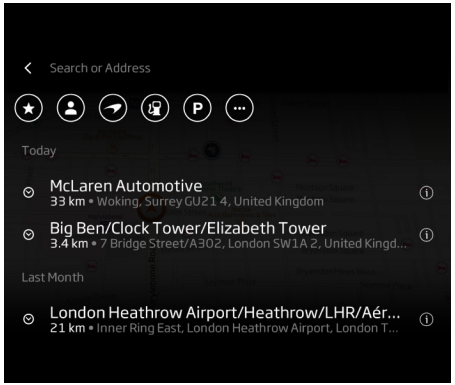
Touch to centre the screen on your current location.

Details on the screen will change depending on the zoom setting. For example, road names and some Points of Interest (POIs) will be shown when zoomed in close, but not when zoomed further out.

The screen will also zoom in or out automatically to predefined levels depending on vehicle speed. This function can be turned on or off in the settings menu.

The screen colour will automatically change between day and night mode for easier viewing based on the time.

Setting a destination



Using the screen

Manually move around the map, until the map is displayed at the most effective scale for locating the general area of your destination.

Touch the map to mark the position of your desired destination.

Search or Address

Touch Search or Address to enter a city, town or street name.

Previous destinations

Previous destinations are shown in a list in date order. Touch a previous destination to set it as your new destination.

Favourites

Touch the favourites icon to view your favourite destinations. Touch the address to set it as your new destination.

Contacts

Touch the contacts icon to view address information stored in your contacts. Touch the address to set it as your new destination.

McLaren retailers

Touch the McLaren icon to locate your nearest McLaren retailer. A list of McLaren retailers is shown with the nearest at the top of the list. Touch the address to set it as your new destination.

Fuel stations

Touch the fuel icon to locate your nearest fuel station. A list of fuel stations is shown with the nearest at the top of the list. Touch the address to set it as your new destination.

Parking

Touch the parking icon to locate your nearest parking area. A list of parking areas is shown with nearest at the top of the list. Touch the address to set it as your new destination.

Additional search categories

Touch the additional icon to see additional search categories. Use this function to search for points of interest including: airports, ATM's, hotels, hospitals and shops.

Route Overview

Once your destination has been selected, an overview will be displayed, with your route highlighted. Your start position, current position, any waypoint(s) and your destination will be shown along the highlighted route.

Select ★ to save the destination as a favourite or Go! to begin navigation.

Safety

WARNING: Ensure that no one can be trapped as you open or close the windows. Do not rest any part of your body against the window. There is a risk of becoming trapped by the movement of the window. If there is a risk of entrapment, stop movement of the window.

Opening and closing

WARNING: The key fob allows the engine to be started and is also used to activate other features on the vehicle.
Take the key fob with you, every time you leave the vehicle to prevent unsupervised operation of the windows, which may result in injury.

Switches for both windows are located on the overhead console.

1. Left-hand window switch.
2. Right-hand window switch.

Press switch (1) or (2). The window will open for as long as the switch is pressed.

Pull switch (1) or (2). The window will close for as long as the switch is pressed.

NOTE: If the vehicle is in awake mode, window control will not be available.

Resetting the windows

The windows may need to be reset if the battery has been discharged or disconnected.

Ensure that both doors are closed and the ignition is switched on.

Windows

Push switches (1) and (2) until the windows are open and hold them in this position for 5 seconds.

Pull both switches until the windows are closed and hold them in this position for 5 seconds.

The windows are now reset.

If this does not resolve the issue, please contact your McLaren retailer immediately.

Climate Control

Overview

The system can be operated in automatic mode or settings can be adjusted manually.

The combination filter reduces the quantity of dust and pollutants entering the vehicle.

WARNING: Follow the recommended settings given for heating or cooling. If the windows mist up, you may no longer be able to observe road and traffic conditions and could cause an accident.

NOTE: The climate control system operates more effectively with the doors and windows closed. However, if the vehicle has been standing in a hot environment for a long time, ventilate by opening the windows briefly.

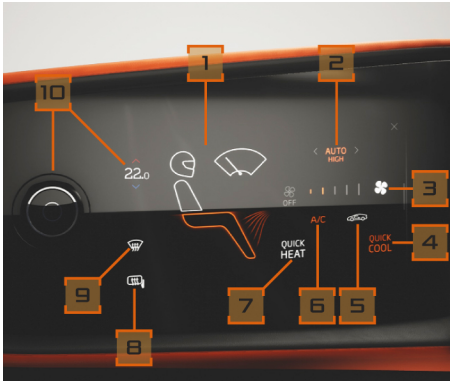
NOTE: The interior air temperature sensor is located between the steering wheel and the centre console. Do not obstruct airflow to this sensor or the performance of the climate control system will be reduced.

NOTE: The vehicle will retain the current climate control settings when the ignition is switched off.

Controls

The climate control system is operated using the left-hand McLaren Infotainment System (MIS) screen. Touch the climate control icon to expand the application and access all controls.

Climate Controls



1. Air distribution buttons
2. AUTO button
3. Blower speed control
4. Quick COOL button
5. Air recirculation button
6. Air conditioning (A/C) button
7. Quick heat button
8. Heated Camera Monitor System (CMS)
9. Demist button
10. Temperature control

Modes of operation

Automatic Mode

In automatic mode, the climate control system maintains the set interior temperature using a combination of differing blower speeds, air recirculation and air distribution.

The control panel uses different colours to indicate operational states:

- Amber indicates ON.
- White indicates OFF but available for use.
- Grey indicates not available for use.

To switch on automatic mode, touch the AUTO button.

The button illuminates and the air distribution, temperature and blower speed are adjusted automatically on both sides of the vehicle.

In AUTO mode, there is no need to adjust the blower speed or air distribution, the system will operate whichever controls it needs to maintain the set temperature.

If you do wish to change the air distribution of the climate control system, touch the preferred button. This will then put the system into AUTO fan mode.

This is denoted by the colour of the blower speed slider. The bar is grey and the slider moves by itself when the blower is under automatic control. Here, the system is continuing to control the blower speed to maintain the set temperature.

If the blower speed is adjusted while AUTO is active, manual mode will be selected by default. If the AUTO button is then pressed, AUTO mode will be activated again.

If necessary, the system settings can be manually adjusted, see Manual Mode, page 5.05.

Manual Mode

To adjust the air temperature, see Temperature control, page 5.06.

To adjust the blower speed manually, see Blower speed control, page 5.08.

A/C (screen) button

The A/C enhances the cooling and dehumidifying of air. It is used by max-cooling and defrosting modes.

Use the A/C screen button as an ON/OFF switch.

Demisting/Defrosting

Touch the demist button to activate the screen demist function. The button will illuminate and an icon will be displayed at the top of the screen to indicate the function is active. The air conditioning switches on if previously off and the blower will operate at full speed with the air temperature set to 'HI'.

NOTE: It is possible to manually reduce the blower speed, see Blower speed control, page 5.08.

NOTE: Air recirculation is inhibited when demist mode is selected.

Touch the demist button again to exit the demist mode. The icon on the button extinguishes, and the air temperature and blower speed return to their original settings.

Temperature control

Touch ^ to increase the temperature, or touch v to decrease.

NOTE: The temperature can be adjusted in 0.5°C (1°F) increments from 16°C to 28°C (61°F to 83°F).
McLaren recommend the temperature is set to 22°C (72°F).

To set the temperature to maximum, touch ^ until HIGH is displayed. In AUTO mode, the climate control system adjusts the air temperature to the highest setting, the blower speed is set to maximum and air is directed to the footwells.

To set the temperature to minimum, touch v until LOW is displayed. In AUTO mode, the climate control system sets the air temperature to the lowest setting, the blower speed is set to maximum and air is directed to the centre air vents.

NOTE: With LOW selected, it is not possible to switch off the air conditioning.

Air recirculation mode

Select air recirculation when unpleasant smells or fumes are entering the vehicle. Air from outside the vehicle is now prevented from entering the cabin.

WARNING: Switch to air recirculation mode briefly if outside temperatures are low. Be aware that the windows could mist up, which may impair your visibility. As a result, you could be distracted from road and traffic conditions and cause an accident.

NOTE: Switch on the air conditioning to prevent the windows misting.

Touch the air recirculation button, to activate air recirculation. The button will illuminate. To switch off air recirculation, touch the button again and the button illumination will be extinguished.

Climate Control

Blower speed control

NOTE: When the engine is first started, the blower speed is limited and the air is directed at the windscreen until the engine has warmed up.

NOTE: When the engine is restarted from hot, the blower may operate at low speed. This removes warm air from the vents, the blower speed will then increase to the requested setting.

Touch the fan icon and drag it to the desired setting.

If in automatic mode, adjusting the blower speed will cause the AUTO button to extinguish.

Press the AUTO button to return to automatic mode.

Air distribution settings

The air distribution can be set using the air distribution controls.

Press the top screen area to direct air to the windscreen, press the middle screen area to direct air to the centre air vents, press the bottom screen area to direct air to the footwell vents.

All three screen areas, a combination of any two or an individual area can be selected at any time.

When an air distribution screen area is pressed, the screen icon will illuminate.

Dashboard air vents

The dashboard air vents can be opened and closed by pushing the centre blade.

Heated Camera Monitor System (CMS) lenses

⚠ WARNING: Remove any accumulated ice or snow from the Camera Monitor System (CMS) lenses before setting off. Impaired visibility could endanger yourself and others.

Touch the button to heat the CMS lenses. The icon on the button will illuminate. To switch off, touch the button again and the icon on the button will be extinguished.

The heated CMS lenses switch off automatically after a set time, depending on the outside air temperature.

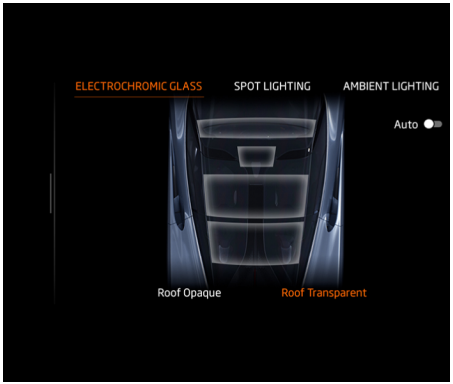
Ambience

Touch the Ambience icon on the left-hand McLaren Infotainment System (MIS) screen.

The following ambience features are available:

- Electrochromic glass, page 5.10
- Spot lighting, page 5.10
- Ambient lighting, page 5.11

Electrochromic glass



There are four areas of electrochromic glass:

- Windscreen
- Roof porthole glass
- Door glass
- Rear window glass

Tap an area of the MIS screen representing a section of electrochromic glass to toggle the tint of that glass between opaque and transparent.

Select **Roof Opaque** to tint all electrochromic glass to opaque.

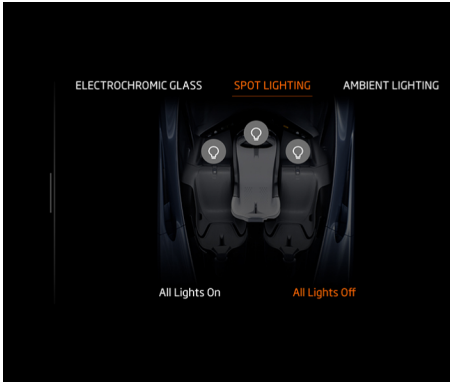
Select **Roof Transparent** to change all electrochromic glass to transparent.

Tap the switch icon to toggle **Auto** between **On** and **Off**. When Auto mode is on, the electrochromic glass will automatically adapt their opacity based on exterior lighting conditions.

When the ignition is switched off, the feature will switch off and the glass will be tinted.

When the ignition is switched on, the glass will return to the previously set state.

Spot lighting

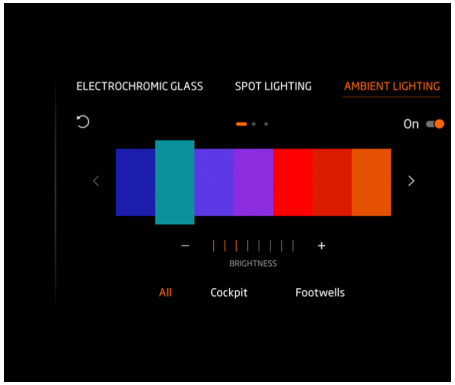


Tap an area of the MIS screen representing an individual spot light to switch it on or off. Tap and hold any of the spot light controls to change the brightness of that light.

Select **All Lights On** to switch all spot lights fully on.

Select **All Lights Off** to switch all spot lights on.

Ambient lighting



The ambient lighting colour and brightness can be adjusted using the McLaren Infotainment System (MIS) on-screen controls.

Touch the switch icon to toggle ambient lighting **On** or **Off**. If ambient lighting is **Off** the ambient lighting menu choices will not be shown.

Touch the coloured bars to select the ambient lighting colour. The selected colour will expand and appear larger than the other colours.

Touch **Reset** to return the ambient lighting to the default setting.

Touch **All** to toggle the footwell and cockpit ambient lighting on or off.

Touch **Footwells** to toggle the footwell ambient lighting on or off.

Touch **Cockpit** to toggle the cockpit ambient lighting on or off.

Touch the + or - symbols to adjust the brightness of the ambient lighting. Alternatively swipe the brightness bar.

Entry lighting

Entry lighting improves visibility and security when you approach the vehicle.

When the vehicle is unlocked, the headlamps and tail lamps illuminate for a period of time or until the ignition is switched on.

To set the entry lighting duration, see Entry and exit lighting, page 4.11.

Exit lighting

Exit lighting improves visibility and security when you leave the vehicle by illuminating the headlamps and tail lamps for a period of time.

To set the exit lighting duration, see Entry and exit lighting, page 4.11.

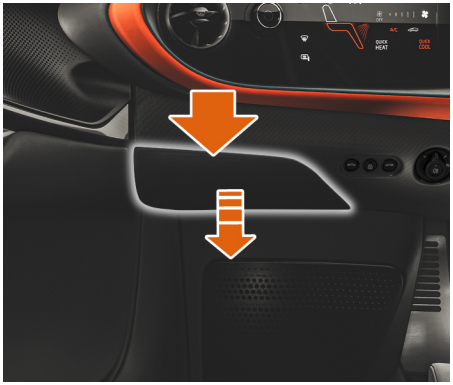
Exit lighting can also be activated manually by pulling the direction indicator stalk towards you momentarily three times. The vehicle must be in an awake mode with the ignition off.

Every additional pull on the direction indicator stalk whilst the exit lighting has been activated will increase the time increment by an additional 15 seconds.

Once the vehicle has been exited, locked and completed its set operating time, the exit lighting will be extinguished and the function will not be available, unless it is switched on in the McLaren Infotainment System (MIS) or is manually activated again through the direction indicator stalk.

Stowage compartments

Dashboard stowage compartments



There are two dashboard stowage compartments, one fitted on each side of the dashboard for storing small items.

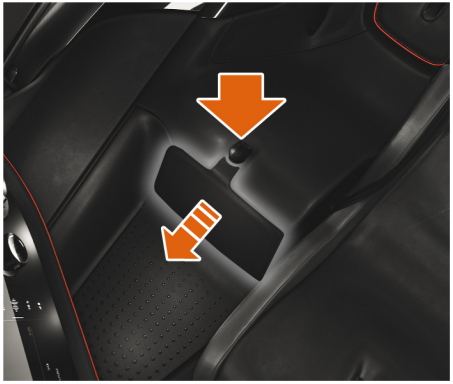
Push the centre of the stowage compartment lid up to disengage the catch, the lid will automatically lower to an open position. To close, push the lid up firmly and ensure that it is latched securely.

USB sockets are located in each stowage compartment. See USB sockets, page 5.14.

WARNING: The stowage compartment must be closed when items are stored in it. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

NOTE: When the vehicle is locked or Valet Mode is on, the stowage compartments will be locked.

Seat stowage compartments



A compartment is fitted underneath each seat for storing small items.

Lift the magnetic catch to release the lid and push forward to open. To close, push the lid back and connect the magnetic catch to ensure that it is latched securely.

An accessory power socket is located in each stowage compartment. See Accessory power sockets, page 5.14.

WARNING: The stowage compartment must be closed when items are stored in it. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

NOTE: The area behind the driver's seats is not designed for storing luggage or any other personal items.

Cup holders

Utilise the cup holders, located under the driver's seat, for safe convenient storage of closed drink containers when on a journey.

WARNING: Drinking while the vehicle is moving could cause you to become distracted which could lead to an accident.

WARNING: Do not put any hot beverages in the cup holder while the vehicle is moving. Hot beverages could spill, which may cause injury.

WARNING: Do not use breakable beverage containers (for example, made out of glass or porcelain). You could be injured by them in the event of an accident.

NOTE: Beverage containers in the cup holders should always have a lid. If not, beverages could spill and cause damage to the vehicle equipment, such as electronics or seat covers.

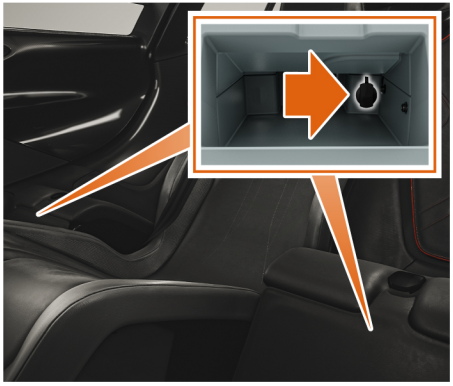
Owner documentation

Your McLaren is equipped with the following documents:

- Service and Warranty Guide - provides information on what to do and who to contact in the event of problems.
- Owner's Handbook - provides information on how to operate your McLaren.

The Service and Warranty Guide can be stored in front luggage compartment.

Accessory power sockets



A 12V accessory socket is located inside each of the passenger seat stowage compartments and each have a maximum load rating of 15 Amps.

NOTE: Do not connect a battery charger to the interior accessory socket.

USB sockets

Media USB socket

Two USB sockets are located inside each of the dashboard stowage compartments.

The USB sockets can be used to connect USB flash drives, iPods and other compatible MP3 players.

These sockets can also be used to charge compatible mobile phones or media devices.

Overview

This section provides an overview of the vehicle tracking service. If you need further clarification, contact vehicle tracking customer service.

The tracking system is a subscription based service which tracks vehicle movements in the event of a theft, sabotage attempts, vehicle break-in or GPS antenna tampering.

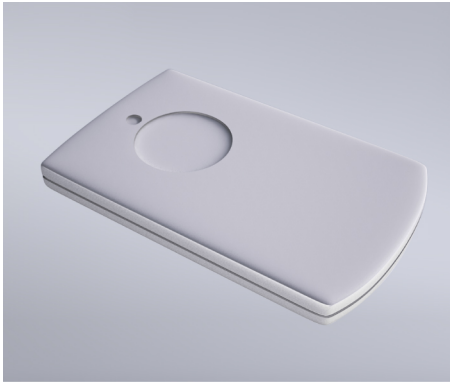
Depending on market specification, you have been supplied with two unique automatic driver recognition cards, or two vehicle tracking remote keys.

NOTE: Each driver must carry an automatic driver recognition card whenever they drive the vehicle. If a keypad has been supplied, this must be used to enter a code every time the vehicle is to be driven.

Automatic driver recognition cards

When the ignition is switched off, the vehicle tracking system will automatically arm itself. If the vehicle is then moved (lifted, towed or driven) without the automatic driver recognition card present, a silent alert is immediately sent to the vehicle tracking centre.

NOTE: Store your automatic driver recognition card away from keys when the vehicle is not in use to reduce the risk of the card being taken in the event of key theft.
Do not leave your automatic driver recognition card or certificate of tracker installation in the vehicle.



Remote keypad (Belgium only)

Your keypad is used to enter and transmit a code to the vehicle tracking service, in order to activate your tracker system.

Once you have received the code, sent to your mobile phone, follow the procedure described.

You will need to enter this code every time that you use your vehicle.

If you wish to add or remove a keypad, contact your McLaren retailer.

NOTE: Store your remote keypad away from key fobs when the vehicle is not in use to reduce the risk of the keypad being taken in the event of key fob theft.
Do not leave your remote keypad or certificate of tracker installation in the vehicle.

Entering a code

1. Press the centre button, the LED will start flashing.
2. Enter the code supplied to your mobile phone, and press the centre button again.
3. The LED will stop flashing once the code is validated.
4. The tracker is now disarmed.

NOTE: You will need to enter this code every time that you use your vehicle.

In the event of a theft

1. If you discover the vehicle has been stolen, call the vehicle tracking centre in your home country,

   or

   if your vehicle is supplied with an automatic driver recognition card and the vehicle is moved without this, the vehicle tracking centre will initially send a text message to you to verify the vehicle movement. In addition to this, the vehicle tracking centre will attempt to contact you using your mobile phone number then your home or office number provided you supplied them at the time of vehicle collection.
2. The vehicle tracking centre will not contact the police until they have spoken to you. Once you have confirmed the theft, they will commence the vehicle recovery procedure.
3. The vehicle tracking centre will ask you to contact the police to report the theft and call back with a police incident number. Receipt of an alert does not constitute a confirmed theft, as the police require your, or the keyholder's, verification of a theft.

If you are abroad at the time of theft, the vehicle tracking centre will contact the police in your home country for you to obtain a police incident number.

4. The vehicle tracking centre will then liaise with the relevant local police to recover your vehicle.

   In order to prevent your vehicle being moved following a theft, the vehicle tracking service may, under instruction from the police, temporarily prevent the vehicle's engine from restarting (market dependent).

5. When the police secure the stolen vehicle, arrangements will have to be made with you for the vehicle to be collected. The police may recover the vehicle to a secure compound for further investigation.

   You may be liable for any recovery and storage charges.

Disabling the tracker system

There will be instances when you wish to disable your tracker for specific periods of time.

These will include visits to your McLaren retailer or if the vehicle is to be transported on a trailer, train or ferry.

You can contact the vehicle tracking centre and advise them that you wish the system to be placed in either 'Transport' or 'Garage' mode.

The operator will request the exact time that this should be implemented and also the duration. This will ensure that the system is only disabled for the minimum time necessary.

Vehicle tracking centre

If the vehicle is stolen, contact the appropriate number from the table below.

Country	Telephone
UK	+44 333 222 0799
Germany	+49 621 878 889 193
Italy	+39 331 162 0847
Spain	+34 911 750 541
France	+33 146 902 331
Switzerland	+41 848 123 457
Belgium	+32 27 523 907
Netherlands	+31 882 020 927

The vehicle tracking centres are operational 24 hours every day throughout the year (public holidays included).

NOTE: The cost of calls is calculated according to the national tariff.

Customer Service

If at any time you need to change any details you have entered in the McLaren vehicle tracking system agreement or if you sell your vehicle, you MUST contact the service provider.

For example, if:

- you have changed your telephone/mobile phone number.
- you have changed the registration plate on your vehicle.
- you are moving house.
- you are selling your vehicle.
- you wish to add or remove an authorised driver.

The vehicle tracking customer service operators can be contacted on:-

0844 239 0032 in the UK or from outside the UK on +44 (0)161 924 5404. Calls can be made between 09:00am - 17:00pm (GMT) Monday to Friday.

False alarms

To maintain the vehicle tracking service stolen vehicle recovery rates, customer support is needed to keep false alarms to a minimum.

NOTE: Ensure that the vehicle battery remains fully charged at all times, a discharged battery may lead to a false alarm.
A disconnected battery may also lead to a false alarm.

False alarm policy

Following an alert, the vehicle tracking centre will contact you to confirm the status of the vehicle. If the alert is a false alarm, this will be recorded on your account, you may be charged for excessive false alarms.

All automatic driver recognition card users will be allowed up to 5 false alerts in a 12 month period.

NOTE: To avoid unnecessary alerts, contact the vehicle tracking centre to inform them of any potential false alarms.

Engine oil

Mobil 1

It is normal for your engine to consume oil and the rate of consumption will vary with many factors. The oil consumption may be higher when the vehicle is new or if you frequently drive at high engine speeds.

It is important to follow the service schedule for oil and filter changes and to regularly check the level of your oil in between.

You will only be able to estimate the oil consumption after the vehicle has been driven for several thousand miles or kilometres.

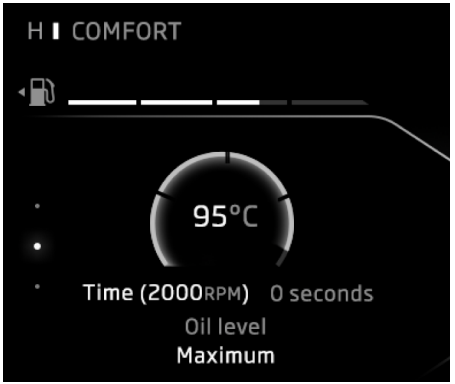
NOTE: Lubricant additives could damage the engine or gearbox. Damage caused by such additives is not covered by the vehicle warranty. Further information is available from your McLaren retailer.

NOTE: The oil pressure warning light is not a low oil level indicator.

Checking the engine oil

1. Ensure the following conditions are met:
   - Vehicle stationary and positioned on a level surface.
   - Neutral selected and the foot brake applied (use left foot).

NOTE: The foot brake must be applied for the entire duration of the oil level check.

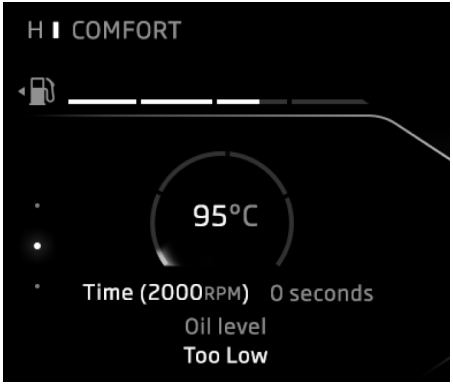


2. The level is viewed in the Vehicle Info section on the Driver Display, see Oil status, page 3.07.
3. Start the engine and hold the engine speed at 2,000 rpm for 120 seconds. Allow the engine oil temperature to reach a temperature of 90°C (194°F).

NOTE: The throttle pedal can be fully depressed as the engine speed will be electronically limited to 2,000 rpm.

4. When the timer has reached '0', the oil level will be shown on the Driver Display along with a description.

NOTE: The line on the display indicates the maximum oil level for 19 seconds after the oil level is read.



Fluid Topping Up

5. If the engine oil is below the target level, stop the engine and top up the oil in accordance with the following procedure.

NOTE: Once the oil level check has been completed and returned a value, do not continue to test the system. This may lead to aeration of the oil and return a false value. To end the oil level check, release the throttle pedal and return to the Vehicle info menu by moving the menu stalk back.

Topping up the engine oil

WARNING: The engine must be switched off before carrying out the engine oil top up process.

1. Press the rear edge of the service cover, the latch will release and the cover will open.

2. Unscrew the engine oil filler cap.
3. Top up with the correct quantity engine oil. Refer to Top up quantity, page 6.04 and Engine oil specification, page 7.10.

ENVIRONMENTAL: When topping up, take care not to spill any oil. Oil must not be allowed to escape into the soil or waterways.

NOTE: Wait two minutes to allow oil to flow from the filler tube to the tank. This will ensure an accurate oil level reading.

Fluid Topping Up

4. Check the Driver Display to ensure level is correct.

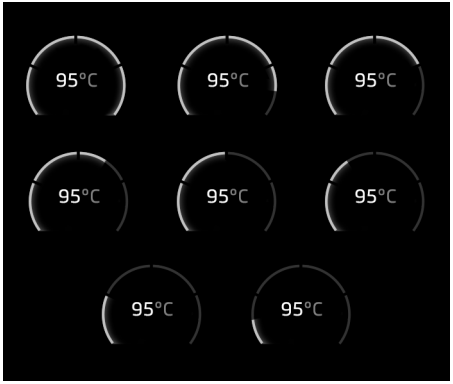
NOTE: If you have inadvertently overfilled the engine with oil, you must have any excess removed at your McLaren retailer. The engine or the catalytic converter could be damaged.

5. Refit the engine oil filler cap.

NOTE: Ensure the oil filler cap is refitted correctly.

6. Close the service cover.

Top up quantity



Based on the oil status displayed on the Driver Display, add the required quantity of oil as shown in the following table, then check the engine oil level again.

Segments on display	Quantity of oil required
½ - under filled	0.90 litre
1 - min.	0.70 litre
1 ½ - OK	0 litre
2 - OK	0 litre
2 ½ - OK	0 litre
3 - OK	0 litre
3 ½ - max.	0 litre
4 - overfilled	Contact your McLaren retailer

Oil temperature

If the oil temperature is too high, a warning will be displayed on the Driver Display. Reduce the vehicle and engine speed until the warning message disappears.

Fluid Topping Up

Gearbox oil level

If you experience oil loss or problems with gear shifts, have the gearbox checked by your McLaren retailer.

NOTE: The clutch and gearbox oil has mileage related service intervals. This maintenance can only be carried out by your McLaren retailer.

Coolant

Coolant is a mixture of water and antifreeze/corrosion inhibitor. Only check the coolant when the vehicle is positioned on level ground and the engine is cool.

Topping up the coolant

WARNING: The coolant system is pressurised. Only unscrew the cap when the engine is cool. You could be scalded by hot escaping coolant if you unscrew the cap whilst the engine is warm.

WARNING: Coolant is highly flammable. Fire, naked flames and smoking are prohibited when handling coolant.

WARNING: Coolant is toxic. Keep containers sealed and away from children. If coolant is accidentally consumed, seek medical help straight away.

WARNING: The engine must be switched off before carrying out the coolant level check and top up process.

1. Remove the engine cover.

   See Engine cover, page 1.12.

2. Slowly unscrew the cap by half a turn anti-clockwise and allow excess pressure to escape.
3. Unscrew the cap and fully and remove it.

Fluid Topping Up

4. The coolant level is correct when it is at the top of the + marker.
5. Top up the coolant if necessary. See Coolant, page 7.11.

ENVIRONMENTAL: When topping up, take care not to spill any coolant. Coolant must not be allowed to escape into the soil or waterways.

6. Replace the cap by turning it clockwise to the stop.
7. Install the engine cover.

   See Engine cover, page 1.12.

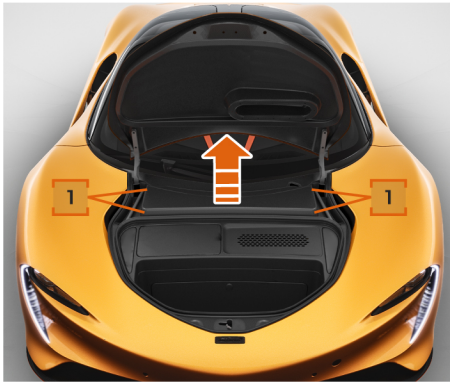
Power steering fluid

WARNING: Power steering fluid is highly flammable. Fire, naked flames and smoking are prohibited when handling power steering fluid.

WARNING: Power steering fluid is toxic. Keep containers sealed and away from children. If fluid is accidentally consumed, seek medical help straight away.

Checking fluid level

1. Switch the ignition on and start the engine. Select Comfort handling mode, see Handling control, page 2.19.
2. Allow the engine to idle for 20 seconds before checking the fluid level.
3. Open the front luggage compartment, see Front luggage compartment, page 1.09.



4. Release the four fixings securing the reservoir cover, then remove the access cover in the direction shown.
5. Unscrew the cap anti-clockwise and remove it.

6. Measure the distance, inside the reservoir, down to the fluid level. Maximum fill level is 50 mm and minimum fill level is 55 mm from the top of the filler neck.
7. Top up if necessary using only new power steering fluid, see Power steering fluid, page 7.11.

ENVIRONMENTAL: When topping up, take care not to spill any power steering fluid. Power steering fluid must not be allowed to escape into the soil or waterways.

8. Replace the cap and reservoir cover.
9. Close the front luggage compartment, see Front luggage compartment, page 1.09.

Brake fluid

WARNING: Brake fluid is highly flammable. Fire, naked flames and smoking are prohibited when handling brake fluid.

WARNING: Brake fluid is toxic. Keep containers sealed and away from children. If fluid is accidentally consumed, seek medical help straight away.

WARNING: Only use fluid from new, air tight containers.

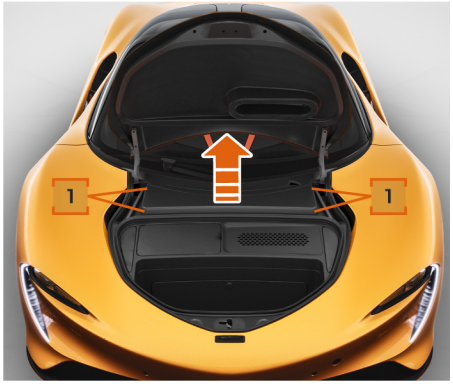
WARNING: The engine must be switched off before carrying out the brake fluid check and top up process.

NOTE: Avoid spilling brake fluid, it is harmful to painted surfaces. Any spillages must be removed immediately with a mixture of car shampoo and water.

Checking fluid level

1. Open the front luggage compartment, see Front luggage compartment, page 1.09.

Fluid Topping Up



2. Release the four fixings securing the reservoir cover, then remove the access cover in the direction shown.
3. Unscrew the cap anti-clockwise and remove it.

4. The brake fluid is correct if the level just covers the base of the filter in the filler neck.
5. Top up if necessary using only new brake fluid. See Brake fluid, page 7.12.

ENVIRONMENTAL: When topping up, take care not to spill any brake fluid. Brake fluid must not be allowed to escape into the soil or waterways.

6. Replace the cap and reservoir cover.
7. Close the front luggage compartment, see Front luggage compartment, page 1.09.

Windscreen washer fluid

WARNING: Some washer fluids are highly flammable. Fire, naked flames and smoking are prohibited when handling washer fluid.

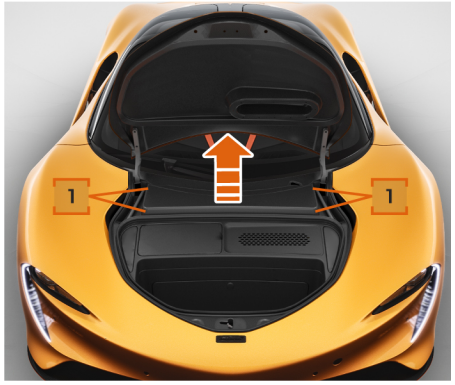
WARNING: Washer fluid is toxic. Keep containers sealed and away from children. If fluid is accidentally consumed, seek medical help straight away.

NOTE: Add washer fluid to the reservoir all year round.

Topping up the windscreen washer fluid

1. Open the front luggage compartment, see Front luggage compartment, page 1.09.

Fluid Topping Up



2. Release the four fixings securing the reservoir cover, then remove the access cover in the direction shown.
3. Mix a solution of windscreen washer fluid concentrate and water in a container before adding to the reservoir. Concentration of the windscreen washer solution should be mixed to suit the outside temperatures. See Windscreen washer fluid, page 7.12.
4. Open the reservoir cap.
5. Top up the windscreen washer fluid.
6. Close the cap.
7. Replace the reservoir cover.
8. Close the front luggage compartment, see Front luggage compartment, page 1.09.

Emergency Equipment

Emergency equipment safety

Before using the emergency equipment, familiarise yourself with the following safety information.

WARNING: Always ensure the emergency equipment supplied is used in the proper manner and for the purpose it was designed. Always use the emergency equipment in a safe and responsible manner and be aware of other road users.

Front luggage compartment equipment

The emergency equipment is stored in a foam block, in a recess at the rear of the front luggage compartment:

1. Tyre sealant, page 6.11
2. First aid kit, page 6.11
3. Manual door release key holder, page 6.13
4. Fuel funnel, page 6.11

The fire extinguisher is also stored in the front luggage compartment, see Fire extinguisher, page 6.12.

Emergency Equipment

Tyre sealant

The tyre sealant (1) is stored in a foam block, in a recess at the rear of the front luggage compartment. Remove the first aid kit and release the two straps to remove the tyre sealant.

For instructions on how to use the tyre sealant, see Deflated tyre, page 6.45.

NOTE: Check the expiry date of the tyre sealant every 12 months, and replace if necessary.

First aid kit

The first aid kit (2) is located in a foam block, in a recess at the rear of the front luggage compartment.

NOTE: Check the expiry dates of the first aid kit materials every 12 months, and replace them if necessary.

Fuel funnel

The fuel funnel (4) is stored in a foam block, in a recess at the rear of the front luggage compartment.

NOTE: Only use the fuel funnel when filling the vehicle with fuel from sources other than a fuel pump on a garage forecourt.
Do not use the fuel funnel when topping up coolant, engine oil or any other fluids in the vehicle.

For information on using the fuel funnel, see Filling with the fuel funnel, page 2.43.

Fire extinguisher

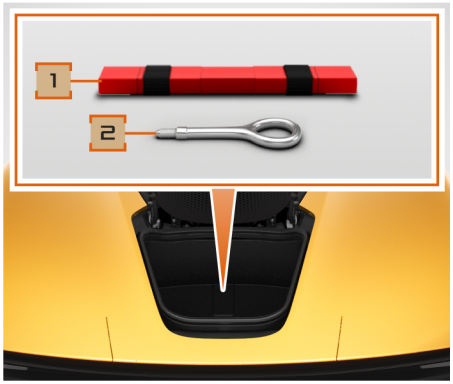
The fire extinguisher is located in the front luggage compartment.

Release the retaining strap and remove the fire extinguisher.

To operate, follow the manufacturer's instructions on the side of the fire extinguisher.

NOTE: The fire extinguisher must be checked every 12 months or it may fail in an emergency. Once the extinguisher is used it will have to be replaced.

Rear luggage compartment equipment



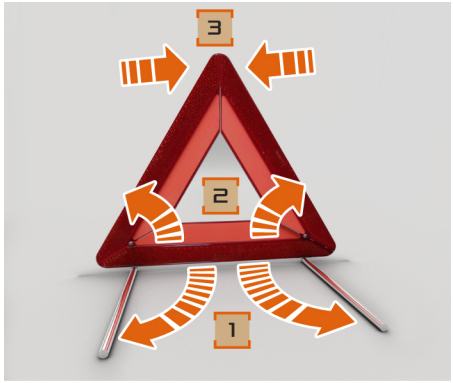
Additional emergency equipment is stored in the rear luggage compartment:

1. Warning triangle, page 6.12
2. Towing eye, page 6.13

Warning triangle

The warning triangle (1) is stored in a red case, in the rear luggage compartment.

Setting up the warning triangle



Fold the legs (1) sideways from the bottom.

Pull side reflectors (2) upwards to form a triangle and lock them at the top using press-stud (3).

Place the warning triangle at an appropriate distance from the vehicle to warn other traffic of a breakdown.

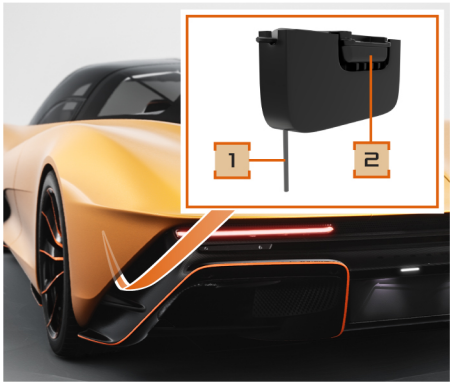
Towing eye

The towing eye (2) is located in the rear luggage compartment.

NOTE: Your McLaren is equipped with a front towing eye mounting only. It is not possible to tow other vehicles.

For information on installing the towing eye, see Towing eye and mounting, page 6.52.

Manual door release key holder

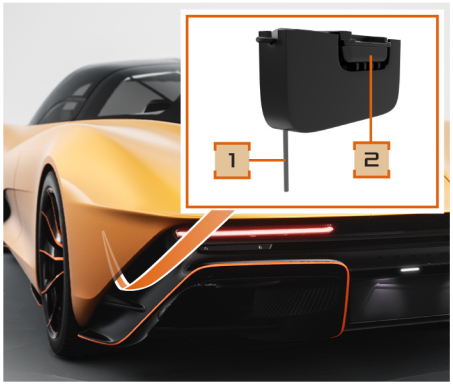


The manual door release key holder (2) is located inside the rear clam and can be accessed by reaching in, alongside the rear diffuser.

NOTE: The manual door release key holder is used to assist with turning the mechanical key in order to gain access to the vehicle if the vehicle battery or key fob battery has become discharged. Therefore, the manual door release key holder should not be kept inside the vehicle.

For information on using the manual door release key holder, see Unlocking - discharged battery, page 6.30.

Key fob opening tool



The key fob openeng tool (hex key) (1) is located inside the rear clam and can be accessed by reaching in, alongside the rear diffuser.

For information on using the key fob opening tool, see Replacing key fob battery, page 6.37.

Battery safety

NOTE: Your McLaren Speedtail is fitted with two Lithium Ion batteries: The main 12V battery and the HV (High Voltage) battery. Only the McLaren Speedtail Wireless Charger System (WCS) supplied can be used with this vehicle. The 12V battery must not be charged independently. The Wireless Charger ensures that your 12V battery will be charged while the car is parked on top of the charging pad. Contact your McLaren Retailer for more information.

Before using the McLaren Speedtail WCS, supplied with the vehicle, familiarise yourself with the following safety information.

WARNING: The HV lithium ion battery fitted to your McLaren is sealed for life and no attempt should be made to break the battery seal to inspect the battery cells.

WARNING: Have the 12V battery tested by your McLaren retailer, once a year or after 6,000 miles (10,000 km) and replaced if necessary. Your McLaren retailer will inform you if it is necessary to replace the 12V battery.

WARNING: Leave the WCS plugged in and switched on with the Speedtail parked on top of the Base Pad during periods when your vehicle is not in regular use. This will help maintain the life of both the HV battery and the 12V battery.

WARNING: Do not use an extension cable for the WCS. Use only the cable supplied and plug this cable directly into the domestic power supply socket suitable for the destination country. Ensure that all cables are kept away from sharp edges, are not pinched or trapped and are not close to hot surfaces or water. Do not use cables that are damaged.

WARNING: Never charge a damaged or faulty battery. Do not place any metallic objects on any of the Speedtail batteries. You could cause a short circuit on the battery and the battery could ignite. Keep the McLaren Speedtail WCS out of reach of children at all times.

How to recover the vehicle with a discharged 12V or HV battery

If the 12V battery, the HV battery, or both 12V and HV batteries become discharged, the Electronic Park Brake (EPB) must be released to enable the vehicle to be towed away. This can be done once the 12V battery is recovered. To recover the 12V battery please contact your McLaren retailer.

WARNING: When the 12V battery is discharged, only use a 12V slave battery to energise the system to release the EPB. Any other voltage source could cause serious damage to your vehicle.

WARNING: Before use, check that all the cables are in good condition; do not use cables that are damaged.

Attempt to release the parking brake (see Parking brake, page 2.06). If the brake does not release, please contact your nearest McLaren retailer.

Make this information available to any third parties that may be assisting in the recovery of your McLaren.

WARNING: To avoid damage of the electrical systems when the 12V battery is being charged:
Do not charge the 12V battery externally whilst the engine is cranked.
Disconnect all external connections to the 12V battery before attempting to crank the engine.
Do not externally charge the 12V battery when the WCS is being used.

High Voltage (HV) charging safety

WARNING: The high voltage battery on your McLaren Speedtail is a Hazardous Voltage battery, and misuse or abuse of the battery, electric motor, motor control unit or associated wiring can lead to serious injury or death.

WARNING: All cables associated with the high voltage circuit on your McLaren Speedtail vehicle are coloured orange. Do not attempt to remove or repair any of these cables as this may lead to serious injury or death.

WARNING: The Wireless Charging System (WCS) must be installed, commissioned and serviced by appropriately trained, qualified and authorised installer.

WARNING: Before commissioning the WCS, check that all fixings to the wall/infrastructure are tight and secured.

Battery Care and Maintenance

WARNING: The WCS is for indoor use only. The Wall Box is designed to be installed on an indoor wall whilst the Base Pad is placed on the ground/floor.

WARNING: Do not make any unauthorised changes or modifications to the WCS.

WARNING: The WCS is not a serviceable product and no repair work is permitted. In case of failure, please contact the McLaren retailer to arrange for a replacement.

WARNING: Do not remove any labels from the WCS.

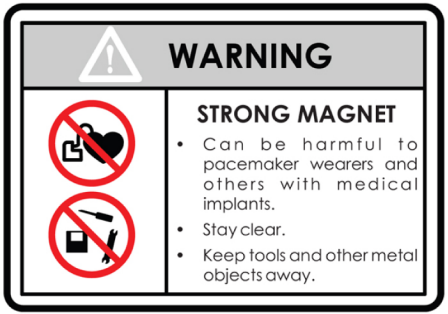
WARNING: The Wall Box does not have a mains switch. The device can be switched off at the power outlet.

WARNING: Ensure that the cable connecting the McLaren Speedtail WCS Wall Box to the Base Pad is free from damage.

WARNING: Do not try to place your fingers inside the WCS.

WARNING: The WCS generates an electromagnetic field. Users should keep a minimum of 1 metre (3 ft 3 in) distance away from the Base Pad when the WCS is active.

WARNING: The WCS generates an electromagnetic field. Persons with implanted medical devices should take care when entering the area where the WCS is placed as it may adversely affect their implanted medical device.



WARNING: The WCS generates electromagnetic field. Keep tools and other metallic objects away from all parts of the WCS.

WARNING: The McLaren Speedtail WCS Base Pad should always be kept clear of objects including liquids. Do not place or leave objects on the Base Pad as they can heat up during operation and cause burn or electric shock hazard.

WARNING: There will be a minimum of 5 m (16 ft 5 in) distance to be maintained between the WCS Base Pads of multiple WCS installations. This is to avoid any interference between systems during operation.

WARNING: Extension cable(s) must not be used between the WCS Wall Box and power outlet.

WARNING: Do not attempt to repair or open the charger unit(s) or associated cables.

WARNING: If you detect leaking fluids or any other indication of damage to the HV battery area, stop charging, move the vehicle away from buildings and other vehicles if safe to do so and contact your McLaren retailer immediately.

WARNING: Always assume that the High Voltage System is energised and never attempt to make repairs to any high voltage components, always contact your McLaren retailer.

WARNING: Do not subject the charging equipment to impact.

WARNING: Do not pull or twist the charger cable.

WARNING: Do not expose charging equipment to direct sunlight during charging as this may increase charging time.

WARNING: Do not drive on top of the WCS charging cable between the Wall Box and the Base Pad.

WARNING: Do not place the charging equipment close to a heater or other heat sources.

WARNING: Do not attempt to perform a jump start on the 12V battery during charging. Doing so might cause serious damage to your vehicle.

WARNING: Charging is performed using the WCS provided, do not attempt to charge the battery in any other way or using any other charging equipment.

WARNING: WCS cannot charge any other product or any other vehicles. It is specifically designed for your McLaren Speedtail.

WARNING: Ensure that the household's electrical wiring is specified to relevant electrical specifications.

WARNING: Charger is heavy - be careful when handling the unit.

WARNING: If McLaren WCS is not in use, ensure that the vehicle charge is maintained by regularly cranking the vehicle. Please ensure that no other vehicle is parked on top of the WCS Base Pad and ensure that the WCS Base Pad is clear of any objects.

NOTE: Your McLaren Speedtail WCS can be synced with your phone through an Application downloadable via the Apple Store for iPhone users or Google Play for Android users. The application has a push notification that will detect if the vehicle is not parked on top of the McLaren Speedtail WCS and will remind you to regularly charge your HV and LV battery by either parking the car back on top of the WCS or driving the car.

NOTE: The McLaren Speedtail WCS charges the HV battery and trickle charges the 12V battery.
The charger can recover a vehicle with a fully discharged 12V battery - but it will take an extended time as it is designed to only trickle charge 12V battery.

NOTE: Normal charging takes up to 2 hours[1] assuming normal charging cycle. 240V AC Supply – 2 hours.

[1] Normal charging cycle is whereby 12V battery is at a healthy state of charge, battery cells are balanced, and HV battery is at lowest usable state of charge, temperature of 25°C (77°F).

NOTE: If the HV battery cell voltages are not balanced, the WCS attempts to balance the cells while charging and this may lead to a significantly longer charging time depending on the imbalance level. To maintain the health and the balance of your HV Battery, regularly charge your battery or drive your vehicle.

NOTE: When the ambient temperature is less than 0°C (32°F), or more than 45°C (113°F), charging time may be longer than normal and the level to which the HV battery can be charged may be lower than at the room temperature.

NOTE: The McLaren Speedtail can only be charged using the correct WCS certified for that market.
For more information on the WCS compatibility please contact your McLaren retailer.

NOTE: Regular charging helps maximising battery useful life.

NOTE: In order for the charging to commence the following criteria needs to be satisfied:

- Charger connected to the mains, powered up and turned on.
- WCS requires initialisation after the first power up which requires a physical check on the Base Pad to ensure that there are no foreign objects existing on top of the Base Pad.
- Vehicle parked and aligned with the Base Pad.
- Neutral Gear is selected, parking brake applied, vehicle switched off and all the doors and luggage openings closed.

NOTE: When preparing to charge, ensure that the vehicle is aligned with the Base Pad and confirmation is displayed on the charger screen. The Electronic Parking Brake (EPB) is engaged and the vehicle is switched off by pressing the Start button. When the vehicle is ON, the WCS will not charge the vehicle.

NOTE: If the vehicle detects the key fob in proximity of the vehicle or if the doors are unlocked by the key fob or if the vehicle is switched on and is ready to drive, the vehicle will automatically stop the charging.

NOTE: If the vehicle is stored for a long period of time, the WCS will maintain battery charge. The WCS will be drawing current for the entire duration of time the vehicle is stored.

NOTE: Vehicle ignition can be turned on for brief periods while not charging to enable audio and navigation systems to operate. However, because these operations consume 12V battery power, ensure that the car is turned off and WCS charging is resumed or crank the engine to ensure that the 12V battery charge is maintained.

NOTE: Charging related information is displayed on the WCS tablet screen as well as on the mobile application downloadable through Google Play for Android users and Apple Store for iPhone users.

NOTE: The WCS will warm up and be hot to the touch during its normal operation. To ensure effective operation do not cover the WCS.

Optimising battery life and performance

When your McLaren Speedtail is being stored without being driven for an extended period, the High Voltage (HV) battery must be charged every 3-4 weeks whilst in storage. Failure to do this may cause irrecoverable damage to the battery or shorten its life and reduce its optimum working efficiency. This may result in a battery replacement being required, the cost which may not be covered by the warranty terms.

The Wireless Charging System (WCS) is equipped with a mobile push notification which if the WCS is plugged and powered and it cannot detect your car being parked on top of the WCS Base Pad, it will send a notification regularly to remind you to either charge the car using the WCS or by cranking the engine and driving the car.

NOTE: Optimum Electric Drive System performance can be maintained by regular WCS charging. You may occasionally see a notification on the mobile app requesting to charge the battery. This allows the HV battery to go through an extended period of charging and conditioning in order to improve capacity and performance.

NOTE: The vehicle should not be left for an extended period of time with the HV battery at low charge status. Where possible, charge the battery using the WCS or by engaging the Velocity mode on the car while the engine is on.

NOTE: If you need to store the vehicle for more than four weeks, McLaren recommend you keep it in a temperature controlled environment between 0°C (32°F) and 25°C (77°F) and keep the car parked on top of WCS Base Pad.

NOTE: The HV battery will be damaged if it is allowed to extremely hot or cold environments.

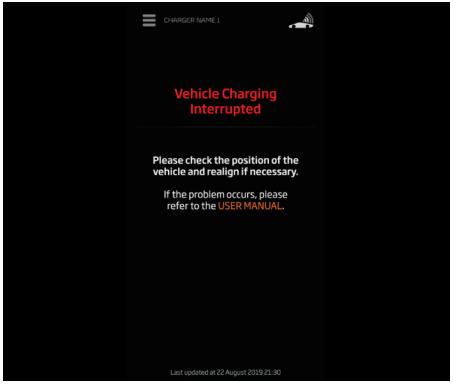
NOTE: To maximise the life and capacity of your HV battery, if not using the vehicle for any extended period, McLaren recommend keeping it garaged at a temperature between 0°C (32°F) and 25°C (77°F) and out of direct sunlight.

Charging related messages

The McLaren Speedtail app allows you to view the status of your Wireless Charging System (WCS) at any time from any location. Refer to the mobile app user manual for full details.

The app, installed on your mobile device, may display the following messages relating to the charging of your vehicle:

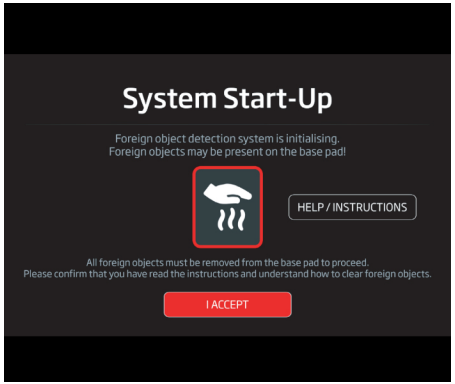
Vehicle charging Interrupted

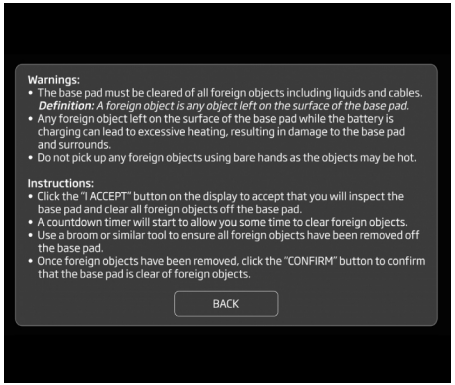


In the event that you have a movable charging Base Pad and that Base Pad is moved while vehicle charging is occurring, causing the vehicle charger to move out of alignment, the Vehicle Charging Interrupted screen will display.

To fix this issue, either return the Base Pad to its original location, or move the vehicle to align with its new location.

Wireless Charging System (WCS) starting-up

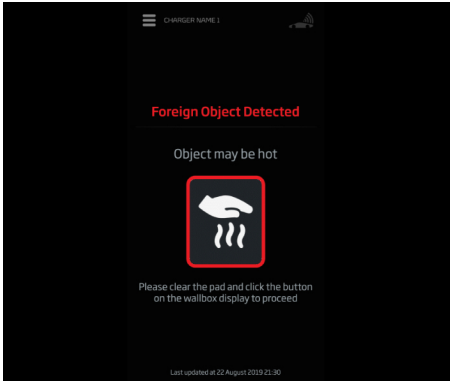




When the WCS initialises, either for the first time, or after a power outage event, it will calibrate the Base Pad. For this calibration to work, the Base Pad must be clear of any foreign objects. Because the calibration is essential for the correct operation of the WCS, it requires human interaction to confirm that the Base Pad is clear.

By pressing the "I ACCEPT" button the user is acknowledging that they have read the help/ instructions and are aware of how to clear the Base Pad of foreign objects.

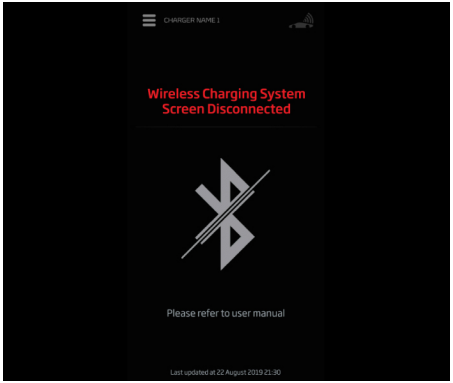
Warning: Foreign Object Detected



Foreign object on the Base Pad represents a potential hazard and will prevent charging from taking place. If the object is partially or wholly made of metal, heating of the object can occur. The WCS can detect if a foreign object is present on top of the Base Pad and will display the above screen.

You will need to access the Wall Box and Base Pad to clear this error.

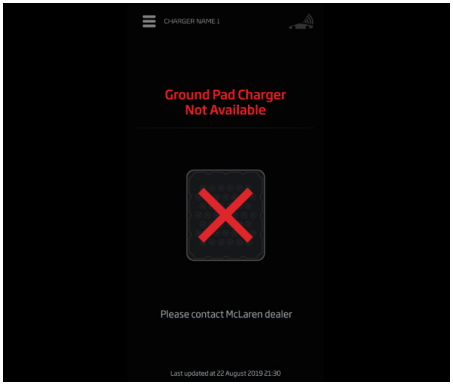
Wireless Charging System (WCS) screen disconnected



This error indicates that the tablet has stopped receiving messages from the WCS, because the Bluetooth connection between the Wall Box and the tablet has been lost. This error is often transient and it may disappear after a few minutes, without any user intervention.

If the error remains on-screen, please contact your McLaren retailer.

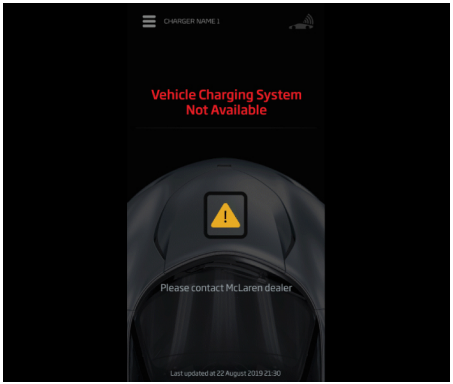
Base Pad charger not available



This error indicates a fault in the Base Pad charger portion of the charging system. The vehicle will not charge while the system is in this state.

Please contact your McLaren retailer to organise a service of your WCS.

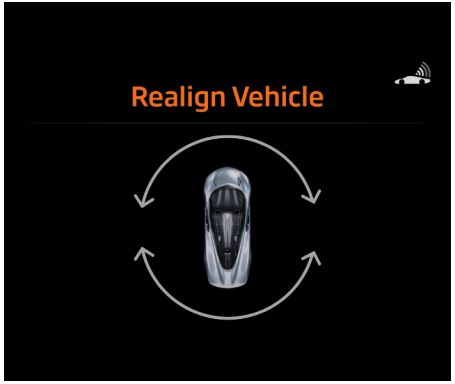
Vehicle charging system not available



This error indicates a fault on the vehicle side of the charging system. The vehicle will not charge while the system is in this state.

Please contact your McLaren retailer to organise a service of your WCS.

Vehicle charging Interrupted



The vehicle may be skewed at an angle with respect to the Base Pad. While some coupling may be achieved in this position, adequate coupling may not occur. If this situation arises, the system will display the Realign Vehicle screen.

When this screen displays, you will need to move the vehicle off the Base Pad, straighten up and attempt alignment again.

Fuse replacement

WARNING: Fuses protect the vehicle's electrical systems. The failure of any fuse will render the system it protects inoperative.
Use replacement fuses of the same rating and type. Incorrect fuse ratings can overload a system and cause a fire or malfunction. Blown fuses should be replaced and no attempt should be made to repair a blown fuse.

NOTE: Before removing a fuse, turn off all electrical equipment and switch off the ignition.

Contact your McLaren retailer regarding any electrical issue or fuse replacement.

There are three fuse boxes fitted to your McLaren.

- Main fuse box, page 6.24
- Secondary fuse box, page 6.26
- Battery fuse box, page 6.27
- Additional relay box, page 6.28

Main fuse box

Contact your McLaren retailer regarding any electrical issue or fuse replacement.

Main fuse box fuse specification chart

No.	Amps	Circuit protected
F1	60	Right-Hand Secondary Air Pump
F2	60	Left-Hand Secondary Air Pump
F3	-	-
F4	-	-
F5	30	Transmission Control Unit
F6	30	Transmission Control Unit
F7	20	Low Temperature Radiator Fan Left-Hand
F8	20	Low Temperature Radiator Fan Right-Hand
F9	20	Audio Amplifier (20 Channel)
F10	30	Power Door ECU
F11	30	Power Door ECU
F12	20	Evac pump
F13	5	Powertrain and Chassis Control Unit
F14	5	Permanent Battery
F15	10	Relays
F16	5	High Voltage Interlock Loop
F17	3	Door Release Switch
F18	50	ECU Main Relay Feed
F19	40	Fuel Pump
F20	20	Low Temperature Radiator Pump

Fuses

No.	Amps	Circuit protected
F21	20	Medium Temperature Radiator Pump
F22	40	Fuel Pump 2
F23	5	Tilt and Microwave Sensor
F24	10	Infotainment Control Unit
F25	10	Left-Hand/Right-Hand Door Latch
F26	10	Auxiliary USB Board
F27	15	Camera Monitor System Display
F28	-	-
F29	20	HV Battery
F30	20	Battery Main Relay
F31	60	Cooling Fan Left-Hand
F32	60	Cooling Fan Right-Hand

No.	Amps	Circuit protected
F33	20	Medium Temperature Radiator Fan Left-Hand
F34	20	Medium Temperature Radiator Fan Right-Hand
F35	-	-
F36	-	-
F37	15	Canister Purge, Secondary Air Valves and Lambda Sensors
F38	15	Fuel Injection and Ignition - Left-Hand Bank
F39	15	Fuel Injection and Ignition - Right-Hand Bank
F40	10	Dump Valve, Fuel Tank Diagnosis Module Tank Leakage, Wastegate Actuator Solenoids
F45	10	Electrical Thermostats, Camshaft Actuators

No.	Amps	Circuit protected
F46	10	Signal Lamp Right-Hand
F47	10	Signal Lamp Left-Hand
F48	3	Input Shaft Speed, Odd Gear Shaft Speed
F49	3	Output Shaft Speed, Even Gear Shaft Speed
R41	-	Evac Pump
R42	-	Medium Temperature Radiator Fan Right-Hand
R43	-	Medium Temperature Radiator Fan Left-Hand
R44	-	-
R50	-	Low Temperature Radiator Fan Right-Hand
R51	-	Low Temperature Radiator Fan Left-Hand
R52	-	Fuel Pump 2

No.	Amps	Circuit protected
R53	-	Transmission Control Unit
R54	-	Transmission Control Unit
R55	-	-
R56	-	Secondary Air Pump RH
R57	-	-
R58	-	ECU Main Relay Control

Secondary fuse box

Contact your McLaren retailer regarding any electrical issue or fuse replacement.

Secondary fuse box fuse specification chart

No.	Amps	Circuit protected
F1	20	Left-Hand Door
F2	20	Right-Hand Door
F3	25	Lights
F4	35	Lights
F5	35	Body
F6	35	Body
F7	35	Alarm
F8	-	-
F9	-	-
F10	-	-

No.	Amps	Circuit protected
F11	-	-
F12	-	-
F13	7.5	Instrument cluster
F14	5	Transmission Control Unit
F15	10	Air Conditioning
F16	3	Alarm Control Unit
F17	3	Tracker
F18	7.5	Alarm
F19	5	Central Display
F20	3	Transmission Control Unit Relay Coils
F21	15	Display Control Unit
F22	5	Rear View Display
F23	5	Driver Display

No.	Amps	Circuit protected
F24	10	Development Connector
F25	10	OBD2 Diagnostics
F26	2	McLaren Infotainment System
F27	-	-
F28	-	-
R29	-	Transmission Control Unit
R30	-	Transmission Control Unit

Battery fuse box

Contact your McLaren retailer regarding any electrical issue or fuse replacement.

Battery fuse box fuse specification chart

No.	Amps	Circuit protected
F1	30	Transmission Control Unit
F2	30	Transmission Control Unit
F3	30	Air Conditioning - Motor - Control Module
F4	50	Secondary Fuse Box Supply
F5	40	Electronic Stability Control Valves
F6	40	Electronic Stability Control Motor
F7	20	12V Charging
F8	40	Secondary Fuse Box Supply

No.	Amps	Circuit protected
F9	100	Electro Hydraulic Power Assisted Steering
F10	250	Main Fuse Box Supply
F11	30	Secondary Fuse Box Supply
F12	300	Motor Control Unit

Additional relay box

Contact your McLaren retailer regarding any electrical issue or fuse replacement.

Additional relay box specification chart

No.	Amps	Circuit protected
R1	-	Fuel Cell
R2	-	Secondary Air Pump LH
R3	-	Low Cooling Fan
R4	-	High Cooling Fan

Vehicle lights

Lighting is an important aspect of vehicle safety. You must ensure that all lights are working at all times.

All the external lights on your McLaren use the latest light-emitting diode technology.

Unlike traditional filament bulbs, these lights have a long life and low power consumption while providing the same amount of illumination.

Headlamps

Your McLaren is fitted with light-emitting diode headlamps. These provide greater visibility on both dipped and main beams, especially during adverse weather and driving conditions.

NOTE: Do not attempt to change light-emitting diode yourself, as you could damage the vehicle lighting systems. In case of failure, contact your McLaren retailer.

Unlocking - discharged battery

If you are unable to lock or unlock the vehicle because the vehicle battery or key fob battery has become discharged, use the mechanical key.

Unlocking and opening procedure

1. Using the hex key provided, remove the screw **1**, then lift the back cover away from the key fob.

   See Key fob opening tool, page 6.14.

2. Release and remove the mechanical key from the key fob.

3. Insert the mechanical key into the manual door release key holder.

   See Manual door release key holder, page 6.13

4. Insert the mechanical key into the lock and, turn the key anti-clockwise until mechanical resistance is preventing full release of the door.
5. Apply pressure to the latch area of the door (to counteract pressure of the door seals), and turn the key further to release the door.
6. Fit the mechanical key back into the key fob.

NOTE: Unlocking the vehicle using the mechanical key will activate the anti-theft system and may cause the alarm to sound. Once the door is open, open the centre console stowage compartment, put the key fob against the front wall of the stowage compartment within 10 seconds. The vehicle will recognise the key fob and stop the alarm from sounding.

7. If the key fob battery has become discharged, replace the battery at the earliest possible opportunity, see Replacing key fob battery, page 6.37.

Starting the vehicle

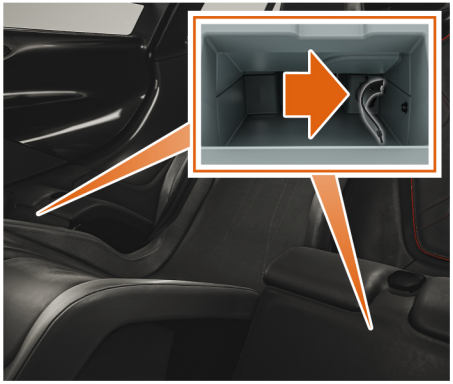
If the key fob battery has become discharged, and the engine will not start:

1. Open the left-hand seat stowage compartment.
2. Place the key fob inside the left-hand seat stowage compartment.

In this position the vehicle is able to sense the presence of the valid key fob and the vehicle can be started and driven.

Replace the key fob battery at the earliest possible opportunity, see Replacing key fob battery, page 6.37.

Door opening from inside - discharged battery



The internal door release strap is located inside the seat stowage compartment, see Seat stowage compartments, page 5.12.

To release a door from inside, release the manual door release strap retainer and pull the strap forwards.

The door latch will then release, allowing the door to be pushed outwards and upwards.

To refit the release strap, feed the strap into its holder and snap the retainers into place.

NOTE: Only use this strap when the battery has become discharged.

NOTE: Please ensure that both of the retainers on the manual door release strap are fitted correctly after use.

NOTE: Please ensure that the manual door release strap is fully retracted before fitting the retainers to their seat stowage compartment locations.

Opening front luggage compartment - discharged battery

NOTE: The key fob or luggage compartment buttons on the dashboard will not release the luggage compartments if the battery is discharged or disconnected. In the event of this use the manual release mechanism.

Opening procedure

1. Using the hex key provided, remove the screw **1**, then lift the back cover away from the key fob.

   See Key fob opening tool, page 6.14.

2. Release and remove the mechanical key from the key fob.

3. Insert the mechanical key into the manual door release key holder.

   See Manual door release key holder, page 6.13

Manual Unlocking and Opening

4. Insert the mechanical key into the lock and, turn the key anti-clockwise until mechanical resistance is preventing full release of the door.
5. Apply pressure to the latch area of the door (to counteract pressure of the door seals), and turn the key further to release the door.

NOTE: Unlocking the vehicle using the mechanical key will activate the anti-theft system and may cause the alarm to sound. Once the door is open, open the left-hand seat stowage compartment and place the key fob the stowage compartment within 10 seconds. The vehicle will recognise the key fob and stop the alarm from sounding.

6. The mechanical lock is located in the front left-hand air duct.
7. Insert the mechanical key into the lock and turn until mechanical resistance is preventing full release of the luggage compartment lid.
7. Apply pressure to the McLaren badge on the luggage compartment lid (to counteract pressure of the seals), and turn the key further to release the lid.
8. The luggage compartment will fully unlock and open slightly.

9. Lift the luggage compartment lid and release the safety latch.

10. Open the luggage compartment lid, the gas struts will support it in the fully open position.
11. Fit the mechanical key back into the key fob.
12. If the key fob battery has become discharged, replace the battery at the earliest possible opportunity, see Replacing key fob battery, page 6.37.

Opening rear luggage compartment - discharged battery

NOTE: The key fob or luggage compartment buttons on the dashboard will not release the luggage compartments if the battery is discharged or disconnected. In the event of this use the manual release mechanism.

Opening procedure

1. Using the hex key provided, remove the screw 1, then lift the back cover away from the key fob.

See Key fob opening tool, page 6.14.

2. Release and remove the mechanical key from the key fob.

Manual Unlocking and Opening

3. Insert the mechanical key into the manual door release key holder.

   See Manual door release key holder, page 6.13

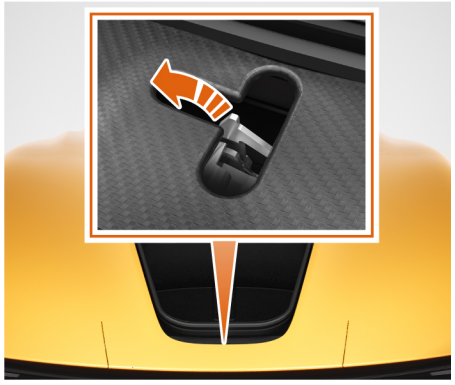
4. Insert the mechanical key into the lock and, turn the key anti-clockwise until mechanical resistance is preventing full release of the door.
5. Apply pressure to the latch area of the door (to counteract pressure of the door seals), and turn the key further to release the door.

NOTE: Unlocking the vehicle using the mechanical key will activate the anti-theft system and may cause the alarm to sound. Once the door is open, open the left-hand seat stowage compartment and place the key fob the stowage compartment within 10 seconds. The vehicle will recognise the key fob and stop the alarm from sounding.

6. The mechanical lock is located in the rear diffuser, on the right-hand side.

Insert the mechanical key into the lock and turn until mechanical resistance is preventing full release of the luggage compartment lid.

7. Apply pressure to the centre, near the rear edge of the luggage compartment lid (to counteract pressure of the seals), and turn the key further to release the lid.
8. The luggage compartment will fully unlock and open slightly.



9. Lift the luggage compartment lid and release the safety latch.
10. Open the luggage compartment lid, the gas struts will support it in the fully open position.
11. Fit the mechanical key back into the key fob.
12. If the key fob battery has become discharged, replace the battery at the earliest possible opportunity, see Replacing key fob battery, page 6.37.

Replacing key fob battery

1. Using the hex key provided, remove the screw 1, then lift the back cover away from the key fob.

   See Key fob opening tool, page 6.14.

Manual Unlocking and Opening

2. Unscrew the battery cover and remove the discharged battery.
3. Install a new battery, ensuring that the polarity is correct.

NOTE: Handle the battery as little as possible. Moisture and oil from fingers can affect battery life and cause corrosion of the contacts. Only hold the battery on the edges.

4. Refit the battery cover, ensuring that the seal is seated correctly.
5. Refit the key fob back cover.

Replacing the wiper blade

WARNING: Ensure the ignition is switched off before you replace the wiper blades. The windscreen wipers could be set in motion and injure you.

WARNING: Replace the wiper blades every 12 months or the windscreen will not be wiped properly. You may not be able to observe the road and traffic conditions as a result and could cause an accident.

Parking the wiper blades

1. Press the STOP/START button once to switch on the ignition but DO NOT touch the brake pedal.
2. Pull the wiper control stalk towards you twice, the wipers will move to a winter park position and then to the service park position.

   The winter park position locates the wiper arms vertically to aid water run-off and help prevent snow build-up.

   The service park position locates the wiper arms in a convenient position for wiper blade replacement.

To remove the wiper blade

1. Position the wiper blades in the service park position on the windscreen see Parking the wiper blades, page 6.39.
2. Lift the wiper arms from the screen.

NOTE: Never open the luggage compartment lid when the wiper arms are positioned away from the windscreen. You could damage the luggage compartment lid and/or the wiper arms.

3. Rotate the wiper blade through 90° and remove in the direction of the arrow.

NOTE: Do not lower the wiper arms onto the windscreen without the wiper blade fitted.

To install a new wiper blade

1. Slide the wiper blade onto the wiper arm and rotate 90°.

NOTE: Ensure the wiper blade is securely fitted in the wiper arm.

2. Lower the wiper arms onto the windscreen.
3. Pull the wiper control stalk towards you once, the wipers will move back to the normal park position.

Wheels and tyres

WARNING: Have worn tyres replaced in axle pairs and ensure the tyres are fitted as specified. With worn tyres, the driving stability of the vehicle will be adversely affected, especially when driving at high speeds. Consult your McLaren retailer if you have had new tyres fitted for information on the appropriate bedding in time based on your driving style.

- **With new tyres, avoid high speed cornering and excess speed.**
- **Only have wheels and tyres of the same type and make fitted.**
- **Never use a tyre which has been punctured and then repaired.**
- **Only have tyres of the correct size fitted.**

See Wheel and tyre sizes, page 7.07.

- **Tyres degrade over time due to the effects of ultraviolet light, extreme temperatures, high loads, and environmental conditions. It is recommended that tyres are replaced every 5 years, if the vehicle has not been used at speeds above 217 mph (350 km/h). If vehicle speeds above 217 mph (350 km/h) have been achieved, the tyres must be replaced every 2 years.**

McLaren recommend that you only use Pirelli summer tyres, see Wheel and tyre sizes, page 7.07.

These tyres provide the best possible performance in conjunction with the safety systems on your vehicle and have been specifically approved by McLaren.

McLaren cannot accept any responsibility for damage that may result from use of other tyres and wheels. Further information about wheels and tyres can be obtained from your McLaren retailer.

Tyres other than those which have been recommended by McLaren may be not be legally permitted, due to not being homologated for this vehicles' maximum speed.

Operating, storage, driving, load, vehicle dynamics and external conditions such as temperature may impact tyre service life. Please have your McLaren retailer conduct a complete inspection of your demounted tyres if you are experiencing ride disturbance or have questions about your tyre condition.

WARNING: Using tyres other than those which have been recommended by McLaren, may contact the body work and adversely affect the handling. This may cause loss of vehicle control, resulting in serious personal injury or death. Noise levels and fuel consumption may also be adversely affected. In addition, when driving with a load or when using snow traction devices, they could cause contact between the bodywork and axle components. This could result in damage to the tyres or the vehicle. See Wheel and tyre sizes, page 7.07

NOTE: Do not use retreaded tyres. Do not fit used tyres if you have no information about their previous usage.

NOTE: Modification to the brake system and wheels is not permitted, nor is the use of spacer plates or brake dust shields. Any such modifications will invalidate the vehicle warranty on the area modified.

NOTE: A wheel change must be carried out at your McLaren retailer. The vehicle could be damaged if it is jacked up incorrectly.

NOTE: Should you need to store tyres, they should be stored indoors in a cool, dry place. Tyre storage areas should be cool (7°C - 24°C (45°F - 75°F)), dry, non-dusty, and moderately well ventilated. To protect your tyres from damage related to heat, water, ozone and direct sunlight, it is suggested that you place them in opaque, waterproof containers (e.g. plastic refuse bags). It is vital that the tyres do not come in contact with sources of heat and/or ozone i.e. radiators, electric generators/motors, hot pipes, etc. and tyres should never be allowed to stand or come into contact with water, grease, fuels, brake fluid or any other chemicals. If you need to transport your tyres, please follow these guidelines.

WARNING: Driving on an improperly stored tyre is dangerous, as the tyre can suddenly fail, which can lead to an accident and cause serious personal injury or death.

Tyre markings

WARNING: McLaren only recommends Pirelli tyres bearing the "MC" mark on the sidewall. Do not fit tyres other than those which are recommended by McLaren. Contact your McLaren retailer for further advice regarding replacement tyres.

WARNING: If the "MC" mark is not on the sidewall, the tyre is not suitable for the vehicle, even if Pirelli branded.

1. Width of tyre in millimetres.

2. Tyre profile given as percentage of tyre width.
3. Indicates that the tyre is radial ply.
4. Indicates the diameter of the wheel rim in inches.
5. The numbers denote load index and the letter indicates the speed rating. 91 indicates a weight of 630 kg (1,389 lbs) and (Y) indicates speeds over 186 mph (300 km/h).

WARNING: If there are no brackets, it means the tyre is not suitable for speeds over 186 mph (300 km/h).

WARNING: Not all tyres marked (Y) are homologated for the maximum speed the McLaren Speedtail can achieve. Only McLaren recommended tyres can be used to achieve maximum velocity.

6. Displays the maximum load which can be carried by the tyre.
7. Treadwear grade number. The higher the figure the longer a tyre will last.
8. The alpha character denotes resistance to heat. An 'A' rated tyre offers most heat resistance.
9. Information about the manufacture of the tyre. Contains place and date of manufacture.

   The last four digits of the DOT code represent the manufacture date of the tyre, e.g. 5219. The first two numbers of the date code, e.g. 52, represent the calendar week number. The second two numbers of the date code, e.g. 19, represent the last two digits of the year, e.g. 2019.

Tyres

WARNING: The tyres must be mounted according to the labelling on the tyre wall. The word 'OUTSIDE' must be on the outer edge of the tyre when it is fitted to the wheel or the stability of the vehicle will be adversely affected, especially at high speeds.

Asymmetric tyres

Asymmetric tyres have a tread pattern that is different from one side of the tread to the other. This combination of tread offers better grip in both wet and dry conditions.

The outer tread features a larger stiffer tread pattern that aids with cornering stability. The inner tread pattern aids stability in wet conditions. A central groove in the tyre aids straight line stability.

WARNING: Only tyres recommended by McLaren are to be fitted to the vehicle.

WARNING: The tyres must be mounted according to the labelling on the tyre wall. The benefits of asymmetric tyres will only be available if the tyres are fitted correctly.

Inspecting wheels and tyres

At least every 7 days, check the tyres for cuts, punctures, tears, bumps, deformation and cracks. Check wheels for severe corrosion. Damaged wheels could cause a loss of tyre pressure.

Regularly check the tyre tread depth and the condition of the tread across the whole width of the tyre. Turn the front wheels to full lock in order to inspect the inner tread.

When the tread is worn to 1.6 mm, the wear indicators appear on the surface of the tread pattern, producing a continuous band of rubber across the width of the tyre. Tyres must be replaced as soon as the wear indicator becomes visible, or sooner if legislation dictates replacement at a greater tread depth.

NOTE: It is recommended that you always have your tyres replaced by your McLaren retailer. Each wheel has a tyre pressure sensor connected to the tyre valve. In order to avoid damage to the sensor, the tyres must be replaced using the correct procedure.

WARNING: Summer and ultra-high performance tyres are designed for optimal performance in warm, dry conditions, their grip decreases on wet or icy roads. You could lose control of the vehicle and cause an accident due to the reduced grip. Reduce your speed and drive with greater care.

WARNING: Tyre grip decreases rapidly on wet or icy roads, particularly when the tread depth is close to the minimum. You could lose control of the vehicle and cause an accident due to the reduced grip of the tyres. Reduce your speed and drive with greater care.

NOTE: If tread wear is uneven across the tyre, or becomes excessive, the wheel alignment should be checked.

Regularly check the pressure of all your tyres and correct the pressure as necessary, see Cold tyre inflation pressures, page 7.08.

All wheels must have a valve cap fitted to protect the valve against dirt and moisture.

Driving precautions

When parking your McLaren, ensure that the tyres do not contact the kerb or other obstacles. If it is necessary to drive over kerbs, speed humps or potholes, drive slowly and approach the obstacle at a shallow angle or the tyres could be damaged.

While driving, pay attention to vibrations, noises and unusual handling characteristics, e.g. pulling to one side. This may indicate that the tyres or wheels are damaged. If you experience anything unusual, reduce your speed and stop the vehicle as soon as safety permits to check the tyres and wheels for damage. If you find no signs of damage, or you have further concerns, have the wheels and tyres inspected at your McLaren retailer.

Tyre pressures

WARNING: Tyre pressure that is too high or too low has a negative effect on the vehicle's active safety, this could lead to an accident. Frequently check the pressure of all tyres, particularly prior to long trips, and correct the pressure as necessary.

WARNING: If the pressure in a tyre drops repeatedly, inspect the tyre for foreign objects or signs of punctures, check the valve for air leaks.

For the tyre pressures for various operating conditions, see Cold tyre inflation pressures, page 7.08. They are also printed on a label attached to the fuel filler flap.

If the vehicle is to be driven at high speeds, the tyre pressure must be checked, and if necessary adjusted.

NOTE: In some markets, the tyre pressure label is attached to the base of the driver's side door.

Check the pressures when the tyres are cold. If it is necessary to check the tyres when they are warm, pressures will be higher. Do not let air out of warm tyres to match the recommended cold tyre pressures.

Driving with tyre pressure that is too high or too low can:

- create a risk of tyre failure with resultant accidents, causing injury or death.
- shorten the life of the tyres.
- cause increased tyre damage.
- have a negative effect on handling characteristics.

ENVIRONMENTAL: Check tyre pressures at least every 7 days.

Deflated tyre

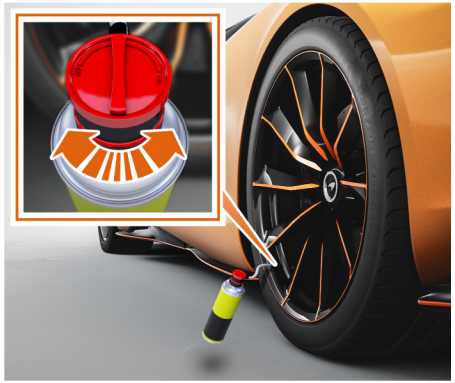
Your McLaren is equipped with a container of tyre sealant, which is located in the luggage compartment.

In the event of a puncture, follow the steps below.

Repairing a puncture

1. Stop the vehicle as far away as possible from traffic and on a firm and level surface.
2. If on a public highway, switch on the hazard warning lamps, see Hazard warning lamps, page 1.32.
3. Apply the parking brake and select neutral.
4. Passengers should exit the vehicle safely and remain well away from the vehicle, the road and any traffic.
5. Place the warning triangle at an appropriate distance from the vehicle to warn other traffic of a breakdown, see Warning triangle, page 6.12.

Using the tyre sealant



You can use the tyre sealant to seal small punctures, particularly those in the tyre's tread. The tyre sealant can be used at ambient temperatures down to -20°C (-4°F).

WARNING: The tyre sealant is unable to seal punctures if:

- **there are cuts or punctures in the tyre greater than 4 mm.**
- **the wheel rims are damaged.**
- **you have driven at very low tyre pressures or with deflated tyres.**
- **there is damage to the sidewall or shoulder area.**

  Contact your McLaren retailer immediately.

Remove the tyre sealant from the luggage compartment and follow the instructions on the container, see Tyre sealant, page 6.11.

NOTE: If possible, locate the cause of the puncture and position the wheel so the puncture is at the lowest point to enable the sealant to be more effective.

Do not exceed a vehicle speed of 50 mph (80 km/h) and do not travel further 50 miles (80 km) with a repaired tyre.

Have the punctured tyre replaced as soon as possible.

WARNING: Have punctured tyres replaced. McLaren do not recommend that punctured tyres are repaired.

WARNING: Replace punctured tyres as soon as possible.

WARNING: If the tyre sealant comes into contact with your eyes or skin, immediately rinse thoroughly with clean water, change out of clothing which has been in contact with the tyre sealant. If an allergic reaction occurs, contact a doctor immediately.

WARNING: Keep the tyre sealant out of reach of children. If tyre sealant is swallowed, immediately rinse the mouth thoroughly and drink a large amount of water. Do not induce vomiting. Contact a doctor immediately. Do not inhale tyre sealant fumes.

NOTE: After using tyre sealant, the tyre valve, incorporating the tyre pressure monitoring system sensor, will have to be replaced.

Washing your McLaren

ENVIRONMENTAL: Some cleaning products contain chemicals that are hazardous to the environment. Always take precautions to prevent fluids from spilling and never use excessive quantities.

Hand washing your McLaren

1. Pre-rinse the body thoroughly with a hose pipe held at a shallow angle to loosen any dirt and wet the paintwork ready for washing, avoiding direct spray on engine cover vents.
2. Prepare a bucket of warm water and a good quality car shampoo. Refer to the shampoo manufacturer's instructions for dilution ratios.
3. Working from the top of the vehicle down, wash the vehicle, ideally using a lambswool wash mitt rather than a sponge, use generous quantities of water paying particular attention to areas where dirt can accumulate. Use one wash mitt for the top of the vehicle (roof, luggage compartment lid and areas above the wheel arch line) and a separate mitt for areas below the wheel arch line.

NOTE: Do not clean the wheels with these wash mitts.

NOTE: Do not allow the shampoo to dry, it will leave streaks on the paint work.

4. Tar spots and stubborn grease marks can be removed using white spirit or denatured alcohol. After cleaning, immediately wash the area with soapy water to remove all traces of spirit or alcohol.
5. Once the vehicle is clean, work from the top of the vehicle down and rinse thoroughly using a hose pipe held at a shallow angle, avoiding direct spray on engine cover vents.
6. Dry the vehicle using a chamois leather or drying towel.

NOTE: In case of signs of water in the engine bay, it is advised to drive the vehicle and warm the engine to operating temperature to dry off any excessive water from the engine.

Washing the wheels

NOTE: Wash the wheels frequently, do not allow brake dust to become ingrained in the wheel rim finish.

Wash the wheels using warm water, a good quality car shampoo and a wheel brush or wash mitt that is used only on the wheels. Apply polish to non-satin finished wheels to assist in keeping them clean.

NOTE: Never apply polish to satin finish wheels, this will result in localised glossy patches on the surface of the wheel.

NOTE: Do not use acid based wheel cleaners as these can damage the wheel rim finish leading to corrosion.

NOTE: Ensure the brakes are fully dried after the wheels have been cleaned before the vehicle is stored.

Wiper blades and rubber seals

Clean wiper blades and rubber seals using warm water and a good quality car shampoo only. Do not use petroleum or alcohol-based cleaners.

Windscreen, windows and mirrors

Regularly clean all windows inside and out using a window cleaning solution. An automotive glass cleaner is recommended. After washing the vehicle with car shampoo containing wax, clean the outside of the windscreen with glass cleaner. Do not use abrasive cleaning compounds as mirror glass is particularly susceptible to damage.

Underbody cleaning

Salt used on roads to control snow and ice during the winter can collect on the vehicle's underbody, if this is not removed, corrosion can occur. During the winter months, regularly hose the underbody with water paying particular attention to the wheel arches and areas where dirt can accumulate.

Polishing

Occasionally polish the paint work using a good quality polish, following up with a protective wax.

NOTE: Do not use cutting compound, colour restoration products or polishes containing a harsh abrasive. These can scratch the surface and permanently damage the paint work.

Paint damage and rectification

Regularly inspect the paint work for damage. Any stone chips or deep scratches should be repaired as soon as possible. Contact your McLaren retailer for advice.

Cleaning the interior

NOTE: Your McLaren retailer will be able to recommend products for cleaning the interior of your vehicle.

Carpet and fabrics

Before cleaning upholstery, always test the cleaning solution on a concealed area. Clean with diluted upholstery cleaner and a clean cloth.

Leather

Before cleaning leather, always test the cleaning solution on a concealed area. Clean with warm water and a non-detergent soap or a proprietary leather cleaner. Dry with a dry, clean, lint-free cloth. Do not use abrasive cleaning products or polish.

Do not polish the upper surfaces of the dashboard. Polished surfaces are reflective and may interfere with the driver's view. Clean with diluted upholstery cleaner, then wipe with a damp cloth.

Carbon Fibre

Before cleaning visible carbon fibre, always test the cleaning solution on a concealed area. Clean with a propriety matt dashboard cleaner. Contact your McLaren retailer for more information. Do not use abrasive cleaning products or polish.

Alcantara®

Dust the material with care. Moisten a soft cloth or a sponge with water, wring it thoroughly and run it over the whole Alcantara® material. Make sure not to wet it excessively; rinse the cloth or sponge and repeat as necessary.

Leave the material to dry overnight.

Once the material has dried, in order to restore the material, brush it delicately with a soft bristle brush.

Seat belts

Extend the belts and clean with warm soapy water only. Do not use any type of detergent or chemical cleaning product. Allow the belts to dry naturally while extended, preferably away from direct sunlight.

Instruments and display screens

Clean the Driver Display, McLaren Infotainment System (MIS) and Camera Monitor System (CMS) screens using a damp cloth. Do not use abrasive cleaning products or polish.

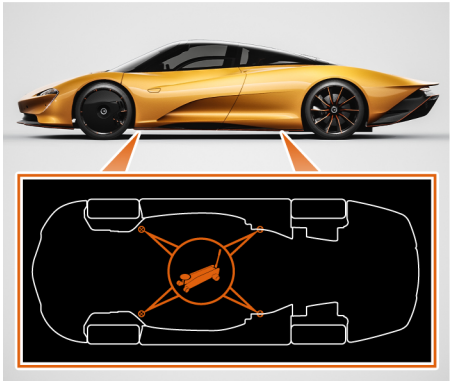
Car cover

A car cover, suitable for use inside a garage, is supplied with your McLaren Speedtail.

McLaren recommend that the vehicle is covered if it is to be left in storage for periods over two weeks. Clean the vehicle inside and out, ensuring that it has fully dried, prior to fitting the cover.

NOTE: Allow the engine to cool before fitting the cover or the hot exhaust pipes could cause damage to the cover.

Vehicle lifting points



Refer to the illustration, and labels on the vehicle, for correct lifting locations.

Make this information available to any third parties who may be assisting in the recovery of your McLaren.

NOTE: Lifting point covers must be removed in order to access the lifting locations.

NOTE: Lifting the vehicle at any other points will damage the vehicle.

NOTE: Use a jack with a flat lifting platform and a rubber pad to protect the chassis from surface damage. Do not lift under a body panel.

WARNING: Ensure the vehicle is correctly positioned on a jack or vehicle lift before raising the vehicle to a workable height. Always engage vehicle lift safety locks or use suitable stands to ensure your safety before working under the vehicle.

McLaren Assistance

McLaren assistance

If your McLaren is immobilised, do not attempt to make your own arrangements for assistance.

Refer to your Service and Warranty Guide, this contains all the information you need.

Replacement 12V battery

If your McLaren has been immobilised due to a fault with the vehicle battery, the battery must only be replaced with a lithium-ion battery of the correct specification by your McLaren retailer.

In the event of a breakdown

In the event of a problem with your vehicle, contact your McLaren retailer. If your McLaren retailer is unavailable, contact the roadside assistance operator who is available 24 hours a day, 7 days a week.

NOTE: The contact details of your roadside assistance operator can be found in your Service and Warranty Guide.

The McLaren retailer or roadside assistance operator will verify your identity and that of your vehicle, as well as determining your exact location.

They will then discuss the problem with you and, with your agreement, determine the best solution.

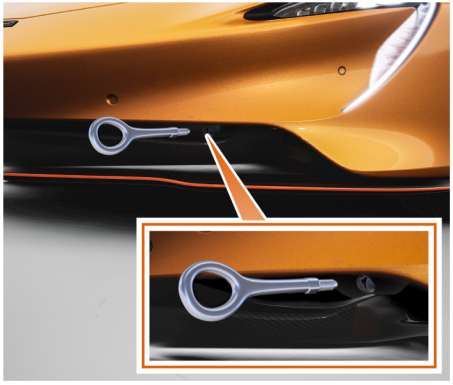
Towing for recovery

Your McLaren is equipped with a front towing eye mounting only.

NOTE: Do not tow the vehicle, doing so could damage the gearbox. The towing eye must only be used to winch the vehicle onto a trailer or transporter for recovery purposes.
Do not use a rigid bar to tow the vehicle.

Towing eye and mounting

1. Remove the cover from the towing eye mounting in the front bumper.



2. Screw the towing eye clockwise into the mounting hole, ensuring that it is screwed in to the full extent of the thread.

NOTE: To avoid damage to the towing eye and the vehicle, it is important to ensure that the towing eye is in full contact with the mating surface of the front structure.

NOTE: A winch cable/strap must be secured to the towing eye only or the vehicle could be damaged.

3. Remove the towing eye, stow it in the luggage compartment and refit the cover to the towing eye mounting as soon as the vehicle has been recovered.

Driving abroad

McLaren retailers are also at your disposal when you are travelling abroad.

The legal requirements when driving abroad vary from country to country and are constantly changing. Always seek advice from your McLaren retailer regarding what is required to remain legal in the countries in which you are travelling.

In certain countries, only low-octane fuel is available. For further information about fuel grades, see Recommended fuel, page 2.44.

NOTE: The headlamp asymmetric dipped beam is designed to light up the near side of the road more intensely. On your McLaren, the same headlamp dipped beam setting applies for driving on either the left-hand or right-hand side of the road.

Genuine McLaren Parts and Accessories

Overview

McLaren recommend that you only use genuine McLaren replacement parts and accessories. The use of non-genuine parts could have a detrimental effect on the vehicle's operation and safety. McLaren tests replacement parts and accessories, for reliability, safety and suitability. McLaren accepts no responsibility for the use of non-genuine parts on their vehicles, even if they have been independently approved.

In many countries, replacement parts and accessories are only officially approved for installation if they comply with legal requirements. All genuine McLaren replacement parts and accessories meet these requirements.

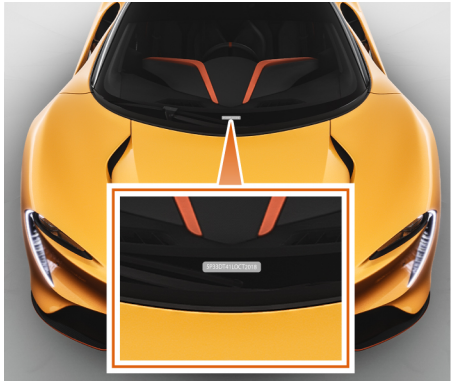
Genuine McLaren parts and accessories can be obtained from your McLaren retailer where the parts will be professionally fitted.

Ensure that any accessories are suitable for your McLaren. Accessories which constitute a modification to the vehicle could invalidate the vehicle's warranty. This applies if they:

- change the vehicle type approved in the warranty.
- could endanger road users.
- adversely affect the vehicle's emissions and noise levels.

Always quote the vehicle identification number when ordering parts or accessories. See Vehicle identification number (VIN), page 7.03.

Vehicle identification number (VIN)



The vehicle identification number is located centrally, at the bottom of the windscreen.

The number can also be found etched on the floor in front of the right-hand passenger seat and stamped on a plate in the left-hand door aperture.

VIN plate

The vehicle identification number plate also contains the following:

- Maximum permitted laden weight
- Maximum permitted laden weight including trailer
- Maximum permitted front axle laden weight
- Maximum permitted rear axle laden weight

Data

Overview

This section contains all the necessary technical data for your vehicle and applies to the vehicle's standard equipment. The data may therefore differ for vehicles with optional equipment. You can obtain further information from your McLaren retailer.

Vehicle operating temperatures

Minimum ambient operating temperature	-20°C (-4°F)
Maximum ambient operating temperature	+50°C (+122°F)

NOTE: If the vehicle is used outside the minimum and maximum ambient temperatures, performance degradation may be experienced. McLaren disclaims any liability of the stated engine power not being achieved if the vehicle is being used outside of the stated temperature ranges or being used at altitude.

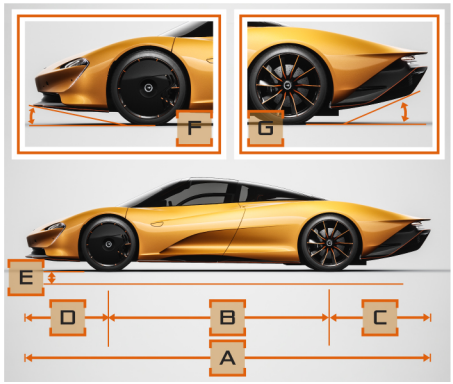
NOTE: If the outside temperature is below -5°C (23°F) the vehicle should not be driven, as damage to the suspension components could occur.

Engine

Engine specification	
Rated output (kW) @rpm	558 @ 7,000 (ICE) 214 @ 7,000 (E-motor)
Rated output (PS) @rpm	758 @ 7,000 (ICE) 292 @ 7,000 (E-motor)
Rated torque (Nm) @rpm	800 @ 6,500 (ICE) 200 @ 7,000 (E-motor)
Rated torque (lb-ft) @rpm	590 @ 6,500 (ICE) 148 @ 7,000 (E-motor)
Number of cylinders	8
Displacement cm^3	3,994
Maximum engine speed (rpm)	8,250
Power to weight ratio (PS/tonne)	700

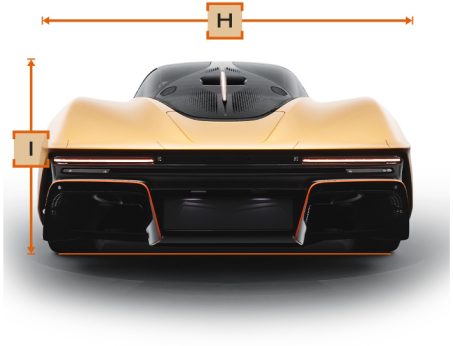
Data

Vehicle dimensions



A	Vehicle length	5,137 mm (16 ft 10 in)
B	Wheelbase	2,728 mm (8 ft 11 in)
C	Rear overhang	1331 mm (4 ft 4 in)
D	Front overhang	1,079 mm (3 ft 6 in)

E	Ground clearance (normal)	85 mm (3.3 in)
	Ground clearance (vehicle lift)	115 mm (4.5 in)
	Ground clearance (Velocity mode)	50 mm (1.9 in)
F	Approach angle (normal)	8º
	Approach angle (vehicle lift)	10º
	Approach angle (Velocity mode)	6º
G	Departure angle (normal)	14.7º
	Departure angle (vehicle lift)	15.2º
	Departure angle (Velocity mode)	12.5º



Data

H	Vehicle width (doors closed, including CMS)	2,032 mm (6 ft 8 in)
I	Vehicle height (doors closed, normal)	1,182 mm (3 ft 10 in)
	Vehicle height (doors closed, vehicle lift)	1,192 mm (3 ft 11 in)
	Vehicle height (doors closed, Velocity mode)	1,121 mm (3 ft 8 in)

J	Vehicle width (doors open at widest point)	2,889 mm (9 ft 6 in)
K	Vehicle height (doors open, normal)	1,984 mm (6 ft 6 in)
	Vehicle height (doors open, vehicle lift)	2,009 mm (6 ft 7 in)
	Vehicle height (doors open, Velocity mode)	1,949 mm (6 ft 5 in)

NOTE: All dimensions are approximate.

Vehicle weights

Weight	kg (lbs)
Dry weight	1,499 (3,305)
Unladen weight (all fluids and 90% fuel)	1,596 (3,519)
Kerb weight (plus 75 kg driver)	1,676 (3,695)
Kerb weight distribution - front axle	698 (1,539)
Kerb weight distribution - rear axle	978 (2,156)
Maximum gross vehicle weight (GVW)	1,890 (4,167)
Maximum gross vehicle weight distribution - front axle	794 (1,750)
Maximum gross vehicle weight distribution - rear axle	1096 (2,416)
Maximum load - front luggage compartment	20 (44)
Maximum load - rear luggage compartment	30 (66)

Wheel and tyre sizes

WARNING: Have worn tyres replaced in axle pairs and ensure the tyres are fitted as specified. With worn tyres, the driving stability of the vehicle will be adversely affected, especially when driving at high speeds. Consult your McLaren retailer if you have had new tyres fitted for information on the appropriate bedding in time based on your driving style.

- **With new tyres, avoid high speed cornering and excess speed.**
- **Only have wheels and tyres of the same type and make fitted.**
- **Never use a tyre which has been punctured and then repaired.**
- **Only have tyres of the correct size fitted.**

See Summer tyres, page 7.08.

Data

- **Tyres degrade over time due to the effects of ultraviolet light, extreme temperatures, high loads, and environmental conditions. It is recommended that tyres are replaced every 5 years, or sooner if the vehicle has been used at speeds above 217 mph (350 km/h). Contact your McLaren retailer for further details.**

Wheel sizes

Front wheels	8.5J x 20
Rear wheels	11J x 21

Summer tyres

Front tyres	
- Pirelli P Zero™ (MC)	235/35 ZR20 (92Y)

Rear tyres	
- Pirelli P Zero™ (MC)	315/30 ZR21 (105Y)

Turning circle

Turning circle kerb-to-kerb	13.2 m (43 ft 4 in)

Cold tyre inflation pressures

Speed range	Front wheels		Rear wheels	
0 - 167 mph (0 - 270 km/h)*	2.2 bar	32 psi	2.2 bar	32 psi
167 - 217 mph (270 - 350 km/h)*	2.7 bar	39 psi	2.7 bar	39 psi
217 - Vmax mph (350 - Vmax km/h)**	3.2 bar	46 psi	3.0 bar	44 psi

* Cold inflation pressures, suitable for all vehicle load conditions (within the maximum technically permissible loads on the axle).

** Cold inflation pressures, suitable for driver only loading on a track/road with no banking.

The tyre pressures can also be found on a label on the inside of the fuel filler flap.

Data


FRONT R20
REAR R21
BAR
PSI
BAR
PSI
0-270 KPH
0-168 KPH
2.2
32
2.2
32
272-350 KPH
168-217 MPH
2.7
39
2.7
39
>350 KPH
>217 MPH
3.2
46
3.0
44
23PAD45CP

Service Products, Fluids and Capacities

Service products

Service products are fuel, engine oil, coolant and brake fluid. McLaren recommend that you only use products tested and approved for McLaren. Damage resulting from using non-approved service products is not covered by the liability for material defects.

WARNING: When handling, storing and disposing of any service products, please observe the relevant regulations. Failure to do so could endanger people and the environment. Do not allow service products to come into direct contact with your eyes or open wounds. Contact a doctor immediately if any service product is swallowed.

ENVIRONMENTAL: Dispose of service products in an environmentally responsible manner.

Engine oil specification

Mobil 1

Engine oil capacity	7.5 litres

NOTE: McLaren recommend only Mobil 1 FS 0W-40 engine oil.

You may obtain further information from your McLaren retailer.

NOTE: Do not use any lubricant additives. These could lead to increased wear and damage to the mechanical assemblies. Damage caused by additives, which are not approved, is not covered by the McLaren warranty.

Fuel

WARNING: Fuel is highly flammable. Fire, naked flames and smoking are prohibited when handling fuels. Switch off the engine before refuelling.

WARNING: Do not allow fuel to come into contact with skin or clothing. Allowing fuels to come into direct contact with your skin or inhaling fuel vapours is damaging to your health.

For more information about fuel, see Recommended fuel, page 2.44.

Fuel tank

Total capacity	60 litres (13.2 UK gal.)
Capacity remaining when amber low level lamp illuminates	20 litres (4.4 UK gal.)
Capacity remaining when red low level lamp illuminates	11 litres (2.4 UK gal.)

Coolant

Cooling system capacity	28.7 litres (6.3 UK gal.)
Antifreeze/corrosion inhibitor	Mobil Extra Antifreeze
Antifreeze quantity for protection to -20°C (-4°F)	14.35 litres (3.15 UK gal.)

The coolant is a mixture of water, antifreeze and corrosion inhibitor. It performs the following functions in the cooling system:

- Antifreeze protection
- Increased efficiency of the cooling system
- Offers anti-corrosion protection

NOTE: Use Mobil Extra Antifreeze in all climates, all year round. If coolant is not used, the cooling system will not be sufficiently protected from corrosion and the cooling system efficiency will be reduced.

NOTE: To prevent damage to the engine, only top up with a pre-mixed coolant that provides the desired level of antifreeze protection.

If antifreeze/corrosion inhibitor is present in the correct concentration, the boiling point of the coolant will be around 130°C (266°F). The antifreeze and corrosion inhibitor concentration in the cooling system should be approximately 50% ±5%. This will protect the cooling system against freezing in temperatures of -40°C (-40°F).

The antifreeze and corrosion inhibitor concentration in the cooling system should not exceed 55%, which provides antifreeze protection down to -45°C (-49°F), as a higher concentration will not dissipate heat as effectively.

If the vehicle is losing coolant, do not drive your vehicle and contact your McLaren retailer.

Power steering fluid

Only use Pentosin CHF202 power steering fluid.

Service Products, Fluids and Capacities

Brake fluid

Only use Pentosin DoT 5.1 brake fluid.

Over time, the brake fluid absorbs moisture from the air, this reduces its boiling point.

WARNING: If the boiling point of the brake fluid is reduced too much, vapour pockets may form in the brake system when the brakes are applied hard (e.g. when driving downhill or track driving) impairing the braking efficiency. Therefore, the brake fluid must be replaced at the recommended service intervals.

WARNING: Only use fluid from new, air tight containers.

Windscreen washer fluid

WARNING: Some washer fluids are highly flammable. Fire, naked flames and smoking are prohibited when handling washer fluid.

WARNING: Washer fluid is toxic. Keep containers sealed and away from children. If fluid is accidentally consumed, seek medical help straight away.

McLaren recommend the use of Mobil screenwash concentrate.

The reservoir has a capacity of approximately 3.25 litres.

Dilute the screenwash concentrate as instructed by the screenwash manufacturer.

NOTE: The concentration of to the screenwash required may vary in different seasons.

Technical glossary

Active dynamics control

A system that allows the driver to change the handling and performance characteristics of the vehicle.

Anti-lock braking system (ABS)

The ABS prevents the wheels from locking when you brake. This allows the vehicle to be steered during braking manoeuvres.

Automatic driver recognition cards

A card which must be on the person entering the vehicle or the tracker system signals that the vehicle is being moved without authorisation.

Brake assist system

The brake assist system operates in emergency braking situations. If you depress the brake pedal quickly, the brake assist system automatically increases the force being applied to the brakes and thus shortens the stopping distance.

Brake disc wiping

Brake disc wiping operates when the windscreen wipers are switched on. It prevents moisture build up on the brake discs during periods of heavy rain, by applying the brakes momentarily, so that the pads touch the discs.

Brake steer

Brake steer offers the benefits of a torque vectoring differential, but is integrated into the braking system reducing weight and providing excellent speed of response.

If the system detects that the vehicle is starting to understeer through a corner, the inside rear brake is gently applied. This helps to increase the yaw rate of the vehicle, making the vehicle feel more resistant to understeer. The lateral 'g' force is also increased giving better handling characteristics.

If the driver uses too much throttle exiting a corner, the inside rear wheel increases speed, which without brake steer could cause the vehicle to become unstable. In this situation, brake steer will again gently apply the brake on the inside rear wheel, thereby restoring traction and stability.

Camera monitor system (CMS)

The Camera Monitor System (CMS) replaces the conventional exterior mirrors with a camera mounted on each side of the vehicle, just behind the front wheels. The live video feed is displayed on the two outer screens when the function is active.

Cylinder cut

Cylinder cut operates during automatic upshifts in Sport and Track powertrain modes and manual upshifts in Comfort powertrain mode.

When calling for an upshift under hard acceleration, fuel is interrupted (cut) in a defined number of engine cylinders. This rapidly decrease the engine torque and engine speed, allowing faster upshifts to be achieved. This will make the upshift more audibly noticeable than a normal upshift.

Electronic brake pre-fill

If the accelerator pedal is suddenly released, the electronic brake pre-fill function immediately brings the brake pads into contact with the discs, enabling more rapid braking.

Technical Glossary

Electronic stability control (ESC)

ESC monitors driving stability and traction between the tyres and the road surface.

Global positioning system (GPS)

By means of the appropriate receivers, satellite signals supply information on the geographical position of the vehicle. These signals are compared with a digital map and used both to determine the position of the vehicle and for its route guidance.

Handling control

The handling control switch affects the Proactive Chassis Control II system.

Hill hold control

Hill hold control prevents roll-back on hill starts. The brake system automatically applies the brakes until the accelerator is pressed.

Ignition cut

Ignition cut operates during manual upshifts in powertrain mode.

When calling for an upshift under hard acceleration, ignition is interrupted (cut) in a defined number of engine cylinders. This rapidly decrease the engine torque and engine speed, allowing faster upshifts to be achieved.

Inertia push

When calling for an upshift at high engine speeds under hard acceleration, inertia push delivers greater acceleration. Under normal driving conditions, outside of inertia push when maximum performance is not called for, the engine and transmission speeds are aligned for a smooth seamless upshift. However, with inertia push, the clutch holding the next gear is engaged with greater force and the engine speed is not allowed to decrease fully, therefore utilising the inertia of its internal rotating masses. This in turn provides a torque impulse as the gear is engaged aiding acceleration and maximising performance.

Keyless entry

Keyless entry allows the driver to unlock the vehicle and disarm the alarm by simply opening the door when the key fob is within 1.2 m (3 ft 11 in) of the door sensors.

Launch control

Launch control is designed to give the maximum acceleration performance from a standing start.

Motorway function lighting

The motorway function lighting improves the headlamp illumination range when the vehicle speed exceeds a predetermined threshold.

Parking sensors

The parking sensor system comprises four ultrasonic sensors in the front bumper, four ultrasonic sensors in the rear bumper and two sounders. When the parking sensors detect an obstruction while manoeuvring, the sounders provide an audible warning.

Rear view camera (RVC)

The RVC is mounted in the centre of the rear bumper. The live video feed is displayed on the Driver Display when the function is active.

Technical Glossary

Seamless shift gearbox

The seamless shift gearbox is a 7 speed, dual clutch gearbox. Gear changes can be fully automatic or driver controlled. The gear changes are almost instantaneous. It is this coupled with uninterrupted torque delivery from the engine which provides the relentless acceleration.

Static Adaptive Headlamps

With the headlamps on, the Static Adaptive Headlamps adjust the beams when cornering, providing improved illumination in the direction of travel.

Supplementary restraint system (SRS)

The SRS comprises a number of air bags which are automatically deployed in an accident to provide additional occupant protection.

Tyre pressure monitoring system (TPMS)

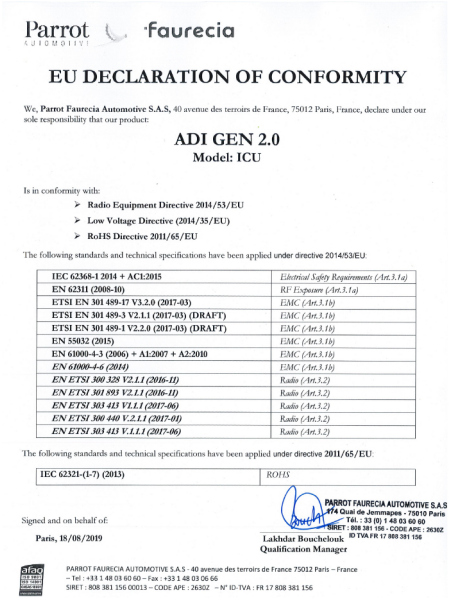
The TPMS constantly checks the pressure and temperature in all four tyres. It warns if the pressure drops or the temperature rises in one or more of the tyres.

Vehicle identification number (VIN)

The VIN is a unique 17 digit number which provides information about your vehicle, as well as when and where it was built.

Conformity Information

McLaren Infotainment System (MIS)



Parrot AUTOMOTIVE · faurecia

EU DECLARATION OF CONFORMITY

We, **Parrot Faurecia Automotive S.A.S,** 40 avenue des terroirs de France, 75012 Paris, France, declare under our sole responsibility that our product:

ADI GEN 2.0
Model: ICU

Is in conformity with:

- **Radio Equipment Directive 2014/53/EU**
- **Low Voltage Directive (2014/35/EU)**
- **RoHS Directive 2011/65/EU**

The following standards and technical specifications have been applied under directive 2014/53/EU:

IEC 62368-1 2014 + AC1:2015	*Electrical Safety Requirements (Art.3.1a)*
EN 62311 (2008-10)	*RF Exposure (Art.3.1a)*
ETSI EN 301 489-17 V3.2.0 (2017-03)	*EMC (Art.3.1b)*
ETSI EN 301 489-3 V2.1.1 (2017-03) (DRAFT)	*EMC (Art.3.1b)*
ETSI EN 301 489-1 V2.2.0 (2017-03) (DRAFT)	*EMC (Art.3.1b)*
EN 55032 (2015)	*EMC (Art.3.1b)*
EN 61000-4-3 (2006) + A1:2007 + A2:2010	*EMC (Art.3.1b)*
EN 61000-4-6 (2014)	*EMC (Art.3.1b)*
EN ETSI 300 328 V2.1.1 (2016-11)	*Radio (Art.3.2)*
EN ETSI 301 893 V2.1.1 (2016-11)	*Radio (Art.3.2)*
EN ETSI 303 413 V1.1.1 (2017-06)	*Radio (Art.3.2)*
EN ETSI 300 440 V.2.1.1 (2017-01)	*Radio (Art.3.2)*
EN ETSI 303 413 V.1.1.1 (2017-06)	*Radio (Art.3.2)*

The following standards and technical specifications have been applied under directive **2011/65/EU**:

IEC 62321-(1-7) (2013)	*ROHS*

Signed and on behalf of:

Paris, 18/08/2019

PARROT FAURECIA AUTOMOTIVE S.A.S
174 Quai de Jemmapes - 75010 Paris
Tél. : 33 (0) 1 48 03 60 60
SIRET : 808 381 156 - CODE APE : 2630Z
ID TVA FR 17 808 381 156

Lakhdar Boucheloukh
Qualification Manager

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SIRET : 808 381 156 00013 – CODE APE : 2630Z – N° ID-TVA : FR 17 808 381 156

Tyre Pressure Monitoring System (TPMS)

Hereby, Huf Hülsbeck & Fürst GmbH & Co. KG declares that the radio equipment type TSSSG4G5 and TSSRE4Dg are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

- http:// www.huf-group.com/eudoc

Frequency band: 433.92 MHz (TSSSG4G5 and TSSRE4Dg)

Maximum Transmission Power: <10 mW (TSSRE4Dg)

Manufacturer: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Por la presente, Huf Hülsbeck & Fürst GmbH & Co. KG declara que el tipo de equipo radioeléctrico TSSSG4G5 y TSSRE4Dg es conforme con la Directiva 2014/53/UE.

El texto completo de la declaración UE de conformidad está disponible en la dirección de Internet siguiente:

- http:// www.huf-group.com/eudoc

Banda de frecuencia: 433.92 MHz (TSSSG4G5 and TSSRE4Dg)

Potencia máxima de radiofrecuencia transmitida: <10 mW (TSSRE4Dg)

Los fabricantes: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Hiermit erklärt Huf Hülsbeck & Fürst GmbH & Co. KG, dass der Funkanlagentyp TSSSG4G5 und TSSRE4Dg der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:

- http:// www.huf-group.com/eudoc

Frequenzband: 433,92 MHz (TSSSG4G5 und TSSRE4Dg)

Abgestrahlte maximale Sendeleistung: <10 mW

Hersteller: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Le soussigné, Huf Hülsbeck & Fürst GmbH & Co. KG, déclare que l'équipement radioélectrique du type TSSSG4G5 et TSSRE4Dg est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

- http:// www.huf-group.com/eudoc

Bandes de fréquences utilisées: 433.92 MHz (TSSSG4G5 et TSSRE4Dg)

Puissance de radiofréquence maximale: <10 mW

Les fabricants: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Il fabbricante, Huf Hülsbeck & Fürst GmbH & Co. KG, dichiara che il tipo di apparecchiatura radio TSSSG4G5 e TSSRE4Dg è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:

- http:// www.huf-group.com/eudoc

Banda di frequenza: 433.92 MHz (TSSSG4G5 e TSSRE4Dg)

Massima potenza di transmissione: <10 mW

Fabbricante: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Smart Key Fob

Models

Europe: A-0775G53

Europe

Declaration of Conformity with regard to the RE Directive 2014/53/EU

Declaration of Conformity with regard to the RoHS Directive 2011/65/EU

Manufacturer:

Pektron Group Ltd.

Alfreton Road, Derby, Derbyshire, DE21 4AP

As Manufacturer:

Pektron Group Ltd.

Alfreton Road, Derby, Derbyshire, DE21 4AP

Hereby, Pektron Group Ltd., declares that McLaren Smart Key Fob is in compliance with Directive 2014/53/EU. For details, please access the following URL:

- http://www.Pektron.com/eudoc/mcl/

⚠ WARNING: The key fob battery can cause chemical burns. Do not ingest the key fob battery.

⚠ WARNING: The key fob contains a coin/button cell battery. If the coin/button battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.

WARNING: Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

WARNING: Only use the specified type of battery. Do not replace the battery with other types.

Pektron Group Ltd déclare par la présente que McLaren Smart Key Fob est conforme à la directive 2014/53 / UE. Pour plus de détails, veuillez accéder à l'URL suivante:

- http://www.Pektron.com/eudoc/mcl/

WARNING: AVERTISSEMENT: La pile du porteclés peut provoquer des brûlures chimiques. Ne pas ingérer la pile du porte-clés.

WARNING: AVERTISSEMENT: le porte-clés contient une pile bouton / pièce de monnaie. Si la pile bouton / pièce est avalée, cela peut provoquer de graves brûlures internes en seulement deux heures et entraîner la mort.

WARNING: AVERTISSEMENT: Conservez les piles neuves et usagées hors de la portée des enfants. Si le compartiment de la batterie ne se ferme pas correctement, arrêtez d'utiliser le produit et éloignez-le des enfants. Si vous pensez que les piles ont pu être avalées ou placées à l'intérieur d'une partie du corps, consultez immédiatement un médecin.

WARNING: AVERTISSEMENT: Utilisez uniquement le type de batterie spécifié. Ne remplacez pas la batterie par d'autres types.

Hiermit erklärt Pektron Group Ltd, dass der McLaren Smart Key Fob der Richtlinie 2014/53 / EU entspricht. Für Details rufen Sie bitte die folgende URL auf:

- http://www.Pektron.com/eudoc/mcl/

WARNING: WARNUNG: Die Batterie des Schlüsselanhänger kann Verätzungen verursachen. Nehmen Sie die Batterie des Schlüsselanhänger nicht ein.

WARNING: WARNUNG: Der Schlüsselanhänger enthält eine Knopfzellenbatterie. Wenn die Knopfbatterie verschluckt wird, kann dies innerhalb von nur zwei Stunden schwere innere Verbrennungen verursachen und zum Tod führen.

WARNING: WARNUNG: Halten Sie neue und gebrauchte Batterien von Kindern fern. Wenn sich das Batteriefach nicht sicher schließen lässt, stellen Sie die Verwendung des Produkts ein und halten Sie es von Kindern fern. Wenn Sie glauben, dass Batterien verschluckt oder in einen Körperteil eingelegt wurden, suchen Sie sofort einen Arzt auf.

WARNING: WARNUNG: Verwenden Sie nur den angegebenen Batterietyp. Ersetzen Sie die Batterie nicht durch andere Typen.

Con la presente, Pektron Group Ltd, dichiara che McLaren Smart Key Fob sono conformi alla Direttiva 2014/53 / UE. Per i dettagli, accedi al seguente URL:

- http://www.Pektron.com/eudoc/mcl/

WARNING: ATTENZIONE: la batteria del portachiavi può provocare ustioni chimiche. Non ingerire la batteria del telecomando.

WARNING: ATTENZIONE: il portachiavi contiene una batteria a bottone / bottone. Se la batteria a bottone / bottone viene ingerita, può causare gravi ustioni interne in sole due ore e provocare la morte.

WARNING: ATTENZIONE: tenere le batterie nuove e usate lontano dai bambini. Se il vano batteria non si chiude in modo sicuro, interrompere l'uso del prodotto e tenerlo lontano dalla portata dei bambini. Se si ritiene che le batterie potrebbero essere state ingerite o collocate all'interno di qualsiasi parte del corpo, consultare immediatamente un medico.

WARNING: ATTENZIONE: utilizzare solo il tipo di batteria specificato. Non sostituire la batteria con altri tipi.

Ar šo Pektron Group Ltd paziņo, ka McLaren Smart Key Fob atbilst Direktīvai 2014/53 / ES. Lai iegūtu sīkāku informāciju, lūdzu, piekļūstiet šim URL:

- http://www.Pektron.com/eudoc/mcl/

WARNING: BRĪDINĀJUMS: atslēgas piekariņa akumulators var izraisīt ķīmiskus apdegumus. Neuzņemiet atslēgas fob akumulatoru.

WARNING: BRĪDINĀJUMS: Taustiņu fob satur monētas / pogas elementu akumulatoru. Norijot monētas / pogas akumulatoru, tas tikai divu stundu laikā var izraisīt smagu iekšēju apdegumu un izraisīt nāvi.

WARNING: BRĪDINĀJUMS: Neuzņemiet jaunas un lietotas baterijas bērniem. Ja akumulatora nodalījums netiek droši noslēgts, pārtrauciet izstrādājuma lietošanu un turiet to prom no bērniem. Ja domājat, ka baterijas varētu būt norītas vai ievietotas jebkurā ķermeņa vietā, nekavējoties meklējiet medicīnisko palīdzību.

WARNING: BRĪDINĀJUMS: Izmantojiet tikai norādītā tipa akumulatorus. Neaizstājiet akumulatoru ar cita veida akumulatoriem.

Niniejszym Pektron Group Ltd oświadcza, że McLaren Smart Key Fob jest zgodna z dyrektywą 2014/53 / UE. Aby uzyskać szczegółowe informacje, przejdź do następującego adresu URL:

- http://www.Pektron.com/eudoc/mcl/

WARNING: OSTRZEŻENIE: Bateria pilota może spowodować oparzenia chemiczne. Nie połykaj baterii pilota.

WARNING: OSTRZEŻENIE: Brelok zawiera baterię pastylkową / guzikową. Połknięcie baterii monet / przycisków może spowodować poważne oparzenia wewnętrzne w ciągu zaledwie dwóch godzin i doprowadzić do śmierci.

WARNING: OSTRZEŻENIE: Trzymaj nowe i zużyte baterie z dala od dzieci. Jeśli komora baterii nie zamyka się bezpiecznie, przestań używać produktu i trzymaj go z dala od dzieci. Jeśli uważasz, że baterie mogły zostać połknięte lub umieszczone w jakiejkolwiek części ciała, natychmiast skontaktuj się z lekarzem.

WARNING: OSTRZEŻENIE: Używaj tylko określonego rodzaju baterii. Nie wymieniaj baterii na inne typy.

A Pektron Group Ltd declara que McLaren Smart Key Fob está em conformidade com a Diretiva 2014/53 / UE. Para mais detalhes, acesse o seguinte URL:

- http://www.Pektron.com/eudoc/mcl/

WARNING: ADVERTÊNCIA: A bateria fob pode causar queimaduras químicas. Não ingerir a bateria fob chave.

WARNING: ADVERTÊNCIA: O chaveiro contém uma bateria de célula tipo moeda / botão. Se a bateria da moeda / botão for engolida, pode causar queimaduras internas graves em apenas duas horas e pode levar à morte.

WARNING: ADVERTÊNCIA: Mantenha as baterias novas e usadas longe das crianças. Se o compartimento da bateria não fechar com segurança, pare de usar o produto e mantenhao longe de crianças. Se você acha que as baterias podem ter sido engolidas ou colocadas dentro de qualquer parte do corpo, procure imediatamente atendimento médico.

WARNING: ADVERTÊNCIA: Use apenas o tipo de bateria especificado. Não substitua a bateria por outros tipos.

Por la presente, Pektron Group Ltd, declara que McLaren Smart Key Fob cumple con la Directiva 2014/53 / UE. Para más detalles, acceda a la siguiente URL:

- http://www.Pektron.com/eudoc/mcl/

WARNING: ADVERTENCIA: la batería del llavero puede causar quemaduras químicas. No ingiera la batería del llavero.

WARNING: ADVERTENCIA: El llavero contiene una batería de botón / moneda. Si se traga la batería de la moneda / botón, puede causar quemaduras internas graves en solo dos horas y puede causar la muerte.

WARNING: ADVERTENCIA: Mantenga las baterías nuevas y usadas fuera del alcance de los niños. Si el compartimento de la batería no cierra bien, deje de usar el producto y manténgalo fuera del alcance de los niños. Si cree que las baterías pueden haberse tragado o colocado dentro de cualquier parte del cuerpo, busque atención médica inmediata.

WARNING: ADVERTENCIA: Utilice solo el tipo de batería especificado. No reemplace la batería con otros tipos.

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B

C

D

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F

G

H

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J

K

L

M

N

O

P

R

S

T

U

V

W

Index