



Elva

Owner's Handbook

Assistance Assistance

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>

McLaren Assistance Number

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.



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Introduction

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. 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.

i 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).

Central Display

This section contains information on the McLaren Infotainment System (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. There is also 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.

Introduction

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.

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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.

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Owner Documentation

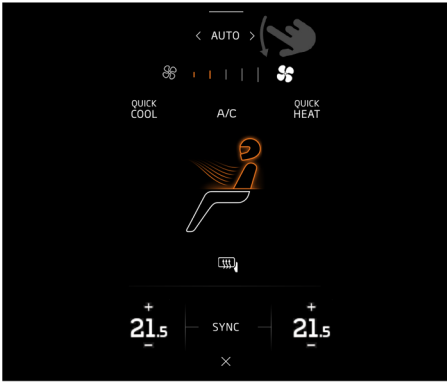
Your McLaren is equipped with the following documents:

- 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

Introduction

Electronic User Manual


Your vehicle is fitted with an electronic user manual. The Owner's Handbook is available on the Central Infotainment Touchscreen.




To access the manual, swipe down on the status bar at the top of the McLaren Infotainment System (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.


Select the required language, then select a topic from the contents page.

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

 The Left Arrow and Right Arrow 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.

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

 The Up-Arrow icon can be used to return to the main contents page.

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 of you and your vehicle on the environment.


Introduction

Looking After Your McLaren

McLaren recommend that you only use your McLaren in good weather conditions. Ensure that rain, spray or moisture does not enter the vehicle interior.

 **WARNING:** Ensure that water does not enter the vehicle interior. Loose water can damage the fabrics and surfaces of the vehicle interior.


 **WARNING:** Your McLaren is not suitable for mechanical car washes.


 **NOTE:** If water gets into the vehicle interior, clean it as soon as possible. See Cleaning The Interior, page 1.29.


McLaren recommend that the vehicle is covered if it is to be left in storage for periods over two weeks. See Car Covers, page 1.30.

McLaren recommend that your vehicle is inspected before and after track use.

Operating Safety

 **WARNING:** Before driving, adjust all mirrors to give the best possible view of road and traffic conditions.

 **WARNING:** The vehicle does not have a windscreen. We strongly recommend that you wear a helmet or impact resistant eyewear when you drive.


 **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.

Any 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:** The vehicle has a low ground clearance. 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

Introduction

- 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 (for example car parks).

See Vehicle Dimensions, page 1.5.

Track Driving



WARNING: The vehicle does not have a windscreen. We strongly recommend that you wear a helmet or impact resistant eyewear when you drive.

To ensure both safety and optimum cooling performance, McLaren recommends that helmets are worn and that AAMS is OFF.

To achieve optimum performance and reliability, it is important to ensure the following preconditions are met before attempting to drive your vehicle on a track:

- Engine oil is at normal operating temperature
- Engine oil level shows 3, 4, 5 or 6 white segments. See Checking The Engine Oil, page 1.3.
- Engine coolant is at normal operating temperature
- Tyres should not exceed the safe operating temperatures



NOTE: Before you use your vehicle on a track, consult your McLaren Retailer. McLaren recommend that your vehicle is inspected before and after track 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 track 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 leaving the track.



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.

Introduction

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. 'Coolant 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

Introduction

- to share summary data which is not tied to a specific vehicle with other organisations for research purposes

Before You Drive

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Before You Drive

Opening and Closing

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.

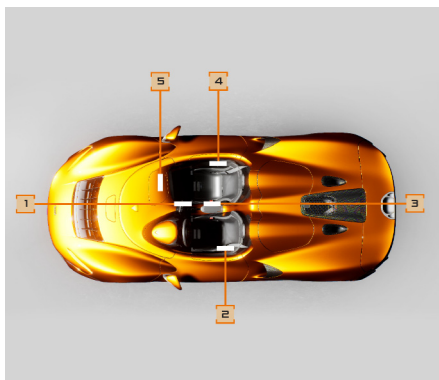
The keyless entry feature requires the key fob to be within 1.2m (3 ft 11 in) of the sensors.

Provided that the engine is not running, the vehicle can be locked irrespective of the electrical status. See Vehicle Electrical Status, page 1.4.

Keyless entry

Keyless entry allows the user to unlock and disarm the vehicle by simply opening the door when the key fob is within 1.2m (3 ft 11 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.

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



Left-hand drive model shown - right-hand drive model is similar

1. Front in vehicle sensor
2. Driver's door sensor
3. Rear in vehicle sensor
4. Passenger's door sensor
5. Passenger's footwell sensor

Key Fob Entry

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

i 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 tonneau cover
- The centre console stowage compartment
- The service cover

Before You Drive Opening and Closing



To unlock the vehicle using the key fob press the unlock button. The front, rear and side direction indicators (market specific) flash twice and the anti-theft alarm system is deactivated.

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

The steering wheel and column will move fully forwards (away from the driver) and to its highest position when the vehicle is unlocked.

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. For example, keeping it in close proximity to laptops, tablets, personal media players, or mobile phones. Doing so may cause it to function incorrectly.

The unlock button operation changes depending whether the Driver's door or Both doors option is selected in the vehicle settings, see Security, page 1.12.

Unlock Button	Outcome
Single Press	If Both doors is selected, a single press of the button unlocks both doors. If Driver's door is selected, a single press of the button unlocks the driver's door. A second press (after a pause) unlocks the passenger's door.

Unlock Button	Outcome
Double Press	If Both doors is selected, a double press of the button unlocks both doors and unlatches the driver's door. If Driver's door is selected, a double press of the button will unlock and unlatch the driver's door only.

Stowing The Key Fob

For security McLaren recommends that you keep the key fob on your person when you are in the vehicle. However, if you wish to stow the key fob in 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.

Before You Drive

Opening and Closing

Opening A Door



1. Press the door release button (1) firmly to unlock and unlatch the door.

i **NOTE:** The keyless entry feature requires the key fob to be within 1.2 m (3 ft 11 in) of the sensors.

⚠ **WARNING:** Always stand to the rear of the door before opening it as the opening action may cause injury. The speed that the door opens will be affected by ambient temperature.

i **NOTE:** Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door. See Vehicle Dimensions, page 1.5.

i **NOTE:** Unlocking the vehicle using the door release button while the key fob is not in the vehicle will activate the anti-theft system and may cause the alarm to sound.

2. If keyless entry is used, the front, rear and side direction indicators (market specific) will flash twice and the anti-theft alarm system will be deactivated.
3. The door latch will then release and the door will be allowed to be partially raised before it automatically swings outwards and upwards.

i **NOTE:** Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door. See Vehicle Dimensions, page 1.5.

Locking A Door



1. Close the door. See Closing A Door, page 1.7.
2. To lock the vehicle using the key fob press the lock button. If the silent door lock option is not set, the front, rear and side direction indicators (market specific) flash in a rapid, circular sequence around the vehicle. The anti-theft alarm system is activated.
3. The direction indicators flash to indicate that the anti-theft alarm system is activated.

Before You Drive Opening and Closing

Mislock



If the doors, tonneau cover or service cover are left open, or the key fob is left inside the vehicle, the horn will sound indicating mislock when an attempt to lock the vehicle is made.

Check that the doors, tonneau cover and service cover are closed, then relock the vehicle.

Individual Settings

If you frequently travel without passengers you can change the locking system so that only the driver's door is unlocked when you press the button on the key fob. See Security, page 1.12.

If only the driver's door has been configured to unlock, the passenger's door can be unlocked by doing one of the following:

- pulling the passenger's door internal handle
- pressing the unlock button on the key fob again
- 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.
2. Press the central locking button again to unlock the vehicle. The light in the button will be extinguished.

Before You Drive

Opening and Closing


Opening A Door From Inside

A door can be opened from inside the vehicle at any time, even if it has been locked.

-  **WARNING:** Only open the doors if the vehicle is stationary and road and traffic conditions permit.
-  **NOTE:** Because the doors open outwards and then upwards, ensure there is sufficient side and overhead clearance before opening a door.





To open the door, press the door release button firmly and push the door outwards until the opening mechanism takes over. The door will then swing outwards and upwards automatically.

-  **NOTE:** Unlocking the vehicle using the door release button while the key fob is not in the vehicle will activate the anti-theft system and may cause the alarm to sound.

Closing A Door

Push/pull the door downwards and ensure that it latches securely.

-  **WARNING:** Keep hands and other objects clear of the door edge when it is closing.

This is particularly important for vehicles fitted with soft close latches as the door will automatically continue to the fully closed position when the first catch has engaged. There is no anti-trap feature preventing the door closing if an item or body part is trapped between the door and the door aperture and serious injury or vehicle damage could occur.
-  **NOTE:** Do not force the door closed. The door aperture or door seals could be damaged.

Before You Drive

Opening and Closing

Tonneau Cover



The tonneau cover is the panel behind the cockpit. The tonneau cover can be opened to allow access to the tonneau compartment.

The fuel filler pipe and coolant filler pipe are accessed via the tonneau compartment. The emergency equipment is also stored in the tonneau compartment. See Emergency Equipment, page 1.9.

The tonneau compartment can also be used for stowage, including helmet stowage.

- i** NOTE: The tonneau cover will only unlock if the vehicle is stationary and neutral is selected.
- i** NOTE: A message will display on the Driver Display if the tonneau cover is open when pulling away.
- i** NOTE: When the tonneau cover is unlatched or open, gear selection will be inhibited. Press and hold D or R for 5 seconds to override this and then select a gear if you need to manoeuvre the vehicle.
- i** NOTE: If you experience any problems with the tonneau cover, contact your McLaren retailer immediately.

Opening

The vehicle must be in any awake mode with key present. See Vehicle Electrical Status, page 1.4.

⚠ WARNING: Do not place any objects between the moving parts of the tonneau cover. Make sure any occupants or bystanders are clear of the tonneau cover during operation.

- i** NOTE: The key must be within range of the driver's door to enable operation of the tonneau cover.



Press the tonneau release button on the key fob, or on the dashboard.

Before You Drive

Opening and Closing



Make sure that any items in the tonneau compartment are correctly stored, as directed by the warning label.

If the vehicle is driven with the tonneau cover open, the message 'Tonneau Cover Open' will appear on the Driver Display accompanied by an audible alert.

Closing



WARNING: Keep hands and other objects clear of the edges of the tonneau cover when it is closing.

The cover will automatically continue to the fully closed position when the first catch has engaged. There is no anti-trap feature preventing the cover closing if an item or body part is trapped between the cover and the aperture and serious injury or vehicle damage could occur.



NOTE: Do not leave the key fob in the tonneau compartment. If you do so, the tonneau cover may lock and you will be locked out of the vehicle.

Push the tonneau cover down until it clicks shut.



NOTE: The tonneau area will be alarmed when the vehicle is locked.

Service Cover





The service cover is on the front of the vehicle, just behind the AAMS. The compartment below the service cover contains the Power Steering Fluid and Brake Fluid filler points. See Power Steering Fluid, page 1.7 and Brake Fluid, page 1.8.

Before You Drive

Opening and Closing

Opening


 **WARNING:** If the engine is stopped due to the Eco Start-Stop system the engine may restart without warning.


 **NOTE:** The service cover will only unlock if the vehicle is stationary and neutral is selected.

1. Push the service cover down and release it.
2. Lift the service cover until it is fully open.

Closing

1. Push the service cover down until it clicks shut.
2. Make sure the service cover is securely closed.


 **WARNING:** Keep hands and other objects clear of the edges of the service cover when it is closing.

 **NOTE:** Do not leave the key fob in the service compartment. If you do so, the service cover may lock and you will be locked out of the vehicle.

 **NOTE:** The service cover will be alarmed when the vehicle is locked.

Automatic Locking

The doors, tonneau cover and service cover lock automatically when the vehicle is 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 Central Infotainment Touch screen. See Automatic Door Locking, page 1.12.


If automatic locking is ON the interior central locking button will illuminate once the vehicle locks when the vehicle is driven away.


Before You Drive

Stowing Luggage

Tonneau Compartment Stowage


 **WARNING:** This vehicle is not designed to carry luggage anywhere outside the vehicle. McLaren accepts no responsibility for damage or injury caused by luggage being stowed outside the vehicle.

 **WARNING:** Do not carry unsecured objects in the cockpit. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

 **WARNING:** Do not exceed the tonneau compartment maximum load. See Vehicle Weights, page 1.6.


The tonneau compartment can be used for stowing small items, such as a helmet.

Ensure any items in the tonneau compartment are correctly stored, as directed by the warning label.

 **NOTE:** Do not store any of the following in the tonneau compartment:

- hazardous and/or volatile compounds or liquids
- heavy and/or sharp objects
- foods and/or liquids affected by heat
- fragile items or items which are easily breakable

Passenger Footwell Stowage

 **WARNING:** Do not carry unsecured objects in the cockpit. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

The passenger footwell stowage bag can be attached to the passenger seat to allow hand luggage or a second helmet to be carried safely.

The passenger footwell stowage bag must not be used when an occupant is in the seat.

Before You Drive

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 tonneau cover

i **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
- Centre console stowage compartment status detection

i **NOTE: The centre console stowage compartment 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.

The immobiliser is deactivated when a key fob is sensed inside the vehicle.

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

Before You Drive Anti-Theft System

Tow-away Protection

Tow-away protection is designed to prevent any attempt to steal the vehicle by suspended tow or lifting it 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

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



To disable tow-away protection:


1. Switch off the ignition.
2. Open the tonneau cover.
3. Press the button on the bulkhead under the tonneau cover on the right-hand side. The light in the switch will illuminate to indicate that tow-away protection has been disabled.


4. Close the tonneau cover.
5. Lock the vehicle (using the keyless system or the key fob).


Tow-away protection remains disabled until you unlock the vehicle.


Before You Drive Seats

Safety

 **WARNING:** Only adjust the driver's seat 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.


 **WARNING:** The seats can be moved even without a key fob in the vehicle.

 **WARNING:** 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
- Position the passenger's seat as far back as is comfortable

 **WARNING:** McLaren does not recommend the use of child seats in this vehicle, but if you choose to do so, please follow the guidelines below:

- Children under 1.5 m (4 ft 11 in) tall or younger than 12 years of age must be secured in a suitable child restraint. Please refer to current national and local laws for specific requirements

- If you are using a child restraint on the passenger's seat, move the seat as far back as possible

Before You Drive Seats

Seats


Seat forward and rearward adjustment

 **WARNING:** Ensure the seats are locked in position before driving.



To adjust the seat lift the lever and slide the seat to the desired position.

If you are adjusting the driver's seat, ensure that you can comfortably reach all pedals and are able to move them through their full travel.

 **NOTE:** Ensure that there are no unsecured items of luggage in the footwell or adjacent to the seats as this may lead to the seats being damaged or not getting full adjustment.

Seat height adjustment



Press the switches until the seat reaches the desired height.

Seat tilt adjustment



Press the button until the seat reaches the desired position.

Before You Drive

Steering Wheel and Steering Column

Electric 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 can be adjusted for height and reach using the column control switch when the vehicle is in any awake mode, see Vehicle Electrical Status, page 1.4.

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.

i 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

Before You Drive

Steering Wheel and Steering Column

Comfort Entry/Exit

When comfort entry/exit is active, the steering wheel and column will move fully forwards (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 1.11.



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.

Before You Drive

Occupant Safety


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


 **WARNING:** Do not secure any objects with a seat belt if the seat belt is being used by a vehicle occupant.


 **WARNING:** 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.

 **WARNING:** Only one person should use each seat belt at any one time.

 **WARNING:** Children under 1.5 m (4 ft 11 in) tall or younger than 12 years of age must be secured in a suitable child restraint. Follow the manufacturer's instructions when installing child restraint systems. Please refer to current national and local laws for specific requirements. Never allow children to travel on the lap of another occupant.

 **WARNING:** Pregnant women should wear a seat belt to ensure maximum safety of mother and unborn child. Position the lap belt across the hips, below 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 only provides its intended degree of protection if the seat backrest is positioned close to vertical, and the occupant is sitting upright.

 **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.

Before You Drive Occupant Safety

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.

4. 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 and the supplementary restraint system warning light will illuminate. A small amount of dust may also be released.

Before You Drive


Occupant Safety

 **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.


Helmets


 **WARNING:** The AAMS will not prevent large objects from entering the cabin. McLaren recommends that helmets are worn whilst driving the vehicle.

 **WARNING:** Helmets are not a substitute for correctly worn seat belts, they enhance the level of occupant protection offered by seat belts.

 **WARNING:** Helmets must fit snugly to the head and not move when in use. If your helmet is loose, replace it.

 **WARNING:** Make sure you fasten the helmet straps when you wear it. Do not drive with the helmet straps undone.

 **NOTE:** Clean the helmet liner regularly.

 **NOTE:** McLaren recommend that helmets are replaced if you are in a collision while you are wearing them.

Your McLaren comes supplied with two helmets and impact resistant eyewear which help to minimise the risk of injury.

Before You Drive


Occupant Safety


Supplementary Restraint System


Air Bag System

Your McLaren is equipped with the following air bags:

- Driver's front air bag in the steering wheel
- Passenger's front air bag in the upper area of the dashboard
- Side head air bags in the doors

 **WARNING:** Correct operation of the air bags can only occur if the steering wheel and the passenger's air bag cover are not covered.


 **WARNING:** Air bags are not a substitute for correctly worn seat belts, they enhance the level of occupant protection offered by seat belts.

 **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
- Ensure that there are no other objects between the vehicle occupants and the deployment area of the air bags
- Because of the high speed at which air bags deploy there is a risk of injuries caused by an inflating air bag

Air Bag Replacement

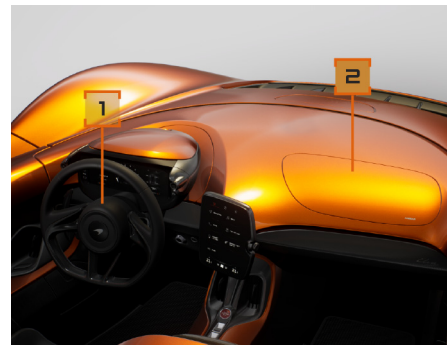
-  **NOTE:** McLaren recommend that air bags are replaced every 15 years to prevent them from not firing due to component operating life.

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 Bags



The driver's front air bag (1) deploys in front of the steering wheel and the passenger's front air bag (2) deploys in front of and above the dashboard.

Before You Drive

Occupant Safety

The front air bags are deployed if the system determines they can offer additional protection for occupants against head and chest injuries.

i **NOTE:** The passenger's front air bag is only deployed if the **PASSENGER AIR BAG OFF** warning light on the Driver Display is **NOT** illuminated. See Occupant classification system - passenger seat, page 1.22.

Side Head Air Bags



The side head air bags are located in the upper area of each door panel, and are deployed if the system determines they can offer additional protection for the head of the occupant on the side of the vehicle on which the impact occurs.

⚠ **WARNING:** To reduce the risk of injury to occupants if a side head air bag is deployed, ensure that:

- no accessories are attached to the doors
- occupants, particularly children, must not lean on the doors from inside the vehicle

i **NOTE:** The passenger's side head air bag is only deployed if the passenger's seat is occupied. See Occupant classification system - passenger seat, page 1.22.

Before You Drive

Occupant Safety

Occupant classification system - passenger seat

The system determines if the passenger seat is occupied using a capacitance mat fitted in the seat base, and by checking that the seat belt buckle is engaged on the passenger's seat belt.

The system will deactivate the passenger's front air bag and the passenger's side head air bag for children in child seats or if the passenger seat is unoccupied.



The status of the air bags is indicated by the PASSENGER AIR BAG OFF warning light on the passenger's side dashboard.

The PASSENGER AIR BAG OFF warning light illuminates when the ignition is switched on and extinguishes after 5 seconds.

The warning light will remain illuminated if the passenger seat is unoccupied or if a child seat is fitted.

i **NOTE:** The PASSENGER AIR BAG OFF warning light is always illuminated unless the passenger seat is occupied by an adult.

If the PASSENGER AIR BAG OFF warning light is illuminated, the passenger's front air bag and passenger's side head air bag are not active. The belt tensioner on the passenger's side remains active even if the PASSENGER AIR BAG OFF warning light is illuminated.

! **WARNING:** If the PASSENGER AIR BAG OFF warning light is not illuminated when the child seat is fitted, the passenger's air bags are not deactivated. The child could be seriously injured if either passenger's air bag inflates.


! **WARNING:** To ensure that the occupant classification system functions correctly, McLaren recommend that objects are not placed under a seat or that aftermarket equipment such as covers, heaters, and massagers are NOT used. These items can seriously affect the operation of the occupant classification system.


! **WARNING:** Do not put electronic devices that are active or connected to the 12 V accessory socket on the passenger seat. They can affect the operation of the occupant classification system.


! **WARNING:** The occupant classification system may be affected if any form of liquid (including rain) is spilled onto the passenger's seat.

Before You Drive

Occupant Safety

 **WARNING:** If the **PASSENGER AIR BAG OFF** warning light is not illuminated when the seat is unoccupied do not install a child restraint or allow anyone to occupy the seat. Please contact your nearest McLaren retailer at your earliest convenience.

 **WARNING:** Do not place sharp objects onto the passenger seat. These can damage the occupant classification system if they puncture the seat cushion.


 **WARNING:** To ensure that the occupant classification system functions correctly, never place objects (e.g. a cushion) under the child restraint system. The entire base of the child restraint system must be in contact with the seat at all times. If a child restraint system is not fitted correctly it may not provide the intended degree of protection in the event of an accident and may cause injuries.


Air Bag Deployment


In the event of a collision the air bags are deployed by the supplementary restraint system to protect the vehicle occupants. The system can control the number of air bags deployed and partially or fully inflate the air bags 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 and the number of vehicle occupants. Once all these factors are known, the system deploys the necessary air bags and regulates the inflation pressure in the impact zone. This helps reduce the occurrence of major impact injuries to the occupants.

After an accident, the air bags begin to de-pressurise almost immediately after the inflation process has taken place. The gas used to inflate the air bags escapes through vents in the air bag.

 **NOTE:** 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 bags are 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. The 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.

 **WARNING:** After an air bag has been deployed air bag parts are hot. Do not touch the air bag. Have the air bags replaced at your McLaren retailer.

Out Of Position (OOP)

The air bag system in your McLaren has been tested for the correct small child out of position (OOP) operation. OOP can occur if a small child is incorrectly positioned in the passenger seat in the event of a collision in which the air bags are deployed.

Before You Drive

Occupant Safety

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: Do not leave children unsupervised in the vehicle even if they are secured in a child restraint. Children could injure themselves on parts of the vehicle, open a door and be seriously or even fatally harmed by prolonged exposure to heat or cold.



WARNING: If children open a door, they could cause injury to others in doing so or get out of the vehicle and possibly injure themselves or be injured by a passing vehicle.



WARNING: Do not expose the child restraint system to direct sunlight. The metal parts of the child restraint system could burn the child.



WARNING: Do not carry heavy or hard objects inside the vehicle unless they are secured. An unsecured or incorrectly positioned load increases the risk of injury to the child during sharp braking, a sudden change of direction or an accident.

Before You Drive


Occupant Safety


Child Restraint System


McLaren does not recommend the use of child seats in this vehicle, but if you choose to do so please follow the guidelines below:


- Secure any child under 1.5m(4 ft 11 in) tall or younger than 12 years of age in an appropriate category restraint, according to their weight
- Contact your McLaren retailer for advice
- Refer to current national and local laws for specific requirements



 **WARNING:** Never secure a rearward facing child restraint system on the passenger seat if the passenger front air bag is active. The status is indicated by the PASSENGER AIR BAG OFF indicator.

 **WARNING:** If the PASSENGER AIR BAG OFF indicator does not illuminate, do not use a rearward facing child restraint system on the passenger seat. You may use a forward-facing child restraint system on the passenger seat. The warning label on the passenger's side is there to remind you of this.

 **WARNING:** If a forward facing child seat is fitted to the passenger seat, make sure that the passenger seat is fully rearwards and is positioned at the lowest height. A manual passenger's seat does not have height adjustment.

 **WARNING:** If the child restraint system has not been fitted correctly, the child cannot be restrained in an accident or sudden braking and could be injured. When fitting a child restraint system, observe the manufacturer's instructions on the correct use of the child restraint.

Before You Drive

Occupant Safety

KISI Child Restraint Function

Your McLaren is fitted with a KISI system which is an automatic locking seat belt on the passenger's side designed to temporarily lock the seat belt to securely hold the child restraint in the passenger seat.

1. Extend the passenger's seat belt fully. The KISI system only engages when the seat belt is fully extended.

i **NOTE:** If the vehicle is parked on a hill, the inertia lock may prevent the seat belt from extending. If this occurs, release the seat belt slightly and continue to extend the seat belt carefully to avoid the engagement of the inertia lock.

2. Pass the seat belt through the child restraint as described by the child restraint manufacturer and engage the belt latch in the buckle.
3. Adjust the belt so that the lower section is tight against the restraint and allow the upper section to retract. The KISI system will click as the belt retracts.

4. When the seat belt has retracted as far as possible, pull on the upper section to check that the seat belt has locked.

i **NOTE:** The KISI system will disengage when the seat belt has fully retracted and can then be worn as a normal seat belt. Once the KISI system has unlocked, it will be necessary to fully extend the seat belt to engage the KISI system the next time a child restraint is used.

Deployable Rollover Protection

⚠ **WARNING:** Do not put anything on the rollover protection system deployment points. The rollover protection system must be free to deploy when required.





In addition to airbags (see Air Bag System, page 1.21) your McLaren is equipped with a Rollover Protection System (ROPS) which will deploy automatically to protect the cockpit area if the vehicle rolls over.

Before You Drive

Active Air Management System

Overview

 **WARNING:** Keep hands and other objects clear of the front aero blade when closing. There is no anti-trap feature preventing the AAMS closing if an item or body part is trapped in the aperture. Serious injury and vehicle damage may occur.

 **WARNING:** The AAMS will not prevent large objects from entering the cabin. McLaren recommends that helmets or impact resistant eyewear are worn whilst driving the vehicle.


The McLaren Active Air Management System (AAMS) channels air through a duct in the nose of the vehicle to create a plume of air over the cabin, protecting the occupants from oncoming airflow.

The AAMS is set to off by default. Press the AAMS button to activate the AAMS and deploy the front aero blade.



 **NOTE:** The steering wheel must be in a central position to activate or deactivate the AAMS when driving.

Vehicle performance will be limited with the AAMS deployed.

 **NOTE:** Do not force close the front aero blade. This may lead to the AAMS being damaged.


Whilst driving with the AAMS deployed, vehicle occupants may experience buffeting if helmets are worn. If you choose to not wear a helmet when the AAMS is on, impact resistant eyewear must be worn at all times.


For cleaning information, see Washing the Active Air Management System, page 1.27.

Before You Drive

Mirrors

Exterior Mirrors

 **WARNING:** Before driving, adjust the mirrors to give the best possible view of road and traffic conditions.

 **WARNING:** In some markets, the exterior mirrors have convex glass fitted. This type of mirror enlarges the field of vision, but reduces the size of the image. This means that objects are closer than they appear. To avoid misjudging the distance to vehicles travelling behind and possibly causing an accident, check the actual distance of vehicles behind you before changing direction.

The exterior mirrors control is located on the dashboard between the steering wheel and the centre console.

Adjusting Mirrors



1. Switch the ignition on.
2. Rotate the control to the left (1) to adjust the left-hand mirror or to the right (2) to adjust the right-hand mirror.
3. Move the control up, down, left and right to adjust the mirror to the desired position.

Mirror Dipping In Reverse Gear

The exterior mirrors can be set to dip when reverse gear is engaged. This provides a view of the ground to the rear of the vehicle. See Reverse Mirror Dip, page 1.14.

Heated mirrors

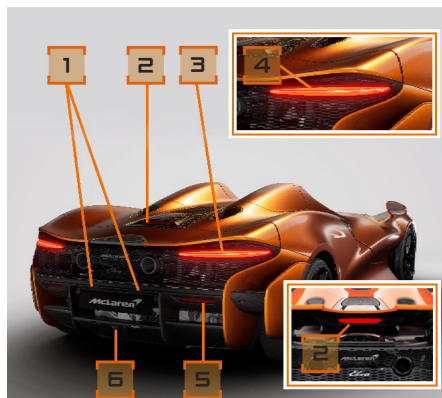
Exterior mirrors are heated when the heated mirror button is pressed and the engine is running. They are also heated when the ambient temperature is below 5°C (41°F).

Before You Drive Lighting

Exterior Lighting



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



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

Light Switch

WARNING: The lights do not switch on automatically in foggy conditions. Automatic light control is only an aid and 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.

Before You Drive Lighting



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

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).

i **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.

i **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 1.33.


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.

i **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.


i **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.

Before You Drive Lighting

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 headlamp notification light illuminates on the Driver Display.

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

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.

Before You Drive Lighting

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). See Light Switch, page 1.30.



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.

Before You Drive Lighting

Direction Indicators



Either:

- Push the direction indicator/main beam stalk downwards to switch on the left-hand direction indicator
- Push the direction indicator/main beam stalk upwards 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 1.30.

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



Press the hazard warning lamps button to switch the hazard warning lamps on.

All the direction indicator lamps and both direction indicator warning lights on the Driver Display flash.

Before You Drive Lighting

Press the hazard warning lamps button again to switch the hazard warning lamps off.

i **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 and holding 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 and holding 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



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

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.

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.

i **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.

Before You Drive

Vehicle Lift

Vehicle Lift

⚠ WARNING: Do not use the vehicle lift as a jacking system. Using the vehicle lift to access below the vehicle may result in serious injury.

i 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 1.37
- 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).

i 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.

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

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

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

i NOTE: If vehicle lift is requested while the engine has been stopped by the Eco Start-Stop System the engine will be automatically restarted.

Vehicle Lift Operation



To activate the vehicle lift press the button on the control stalk on the right of the steering column. A confirmation tone will be heard when vehicle lift is activated.

i NOTE: The vehicle lift is only available when the engine is running and the doors are closed.

i NOTE: If vehicle lift is requested while the engine has been stopped by the Eco Start-Stop System the engine will be automatically restarted.

Before You Drive

Vehicle Lift

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

i **NOTE:** The vehicle lift is not available when launch mode is active.

Vehicle Lift - Raise



To raise the vehicle push the button on the control stalk.

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

i The change in vehicle ride height is confirmed by an ascending audible tone and the vehicle lift icon will illuminate.

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

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

To change from raise to lower, push the button on the control stalk. 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. The vehicle lift icon is illuminated while the vehicle remains raised.

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

Vehicle Lift - Lower

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

i **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 to take control of the system.

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

Before You Drive Vehicle Lift



To change from lower to raise, push the button on the control stalk. 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 and the vehicle lift icon extinguishes.

To lower the vehicle push the button on the control stalk.

i **NOTE:** When the vehicle is raised you only have the option to lower the vehicle.

🔊 The change in vehicle ride height is confirmed by a descending audible tone and the screen vehicle lowering icon will illuminate.



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Driving Controls

Starting and Driving

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.
-  **NOTE:** If the vehicle is in Sleep mode press and hold the START/STOP button 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.

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 1.10.

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.

Driving Controls

Starting and Driving

Parking Days



When the vehicle is in Awake mode the number of "days parking" remaining is displayed on the Driver Display. This indicates the maximum number of days the vehicle can be parked without running the engine or connecting a battery charger before the battery will become discharged.

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.

i **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.

Driving Controls

Starting and Driving







Instruments And Warning Lights







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



RED or AMBER warning lights indicate 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 lights indicate that a system or feature is switched on and operating.






Warning Lights

	Tyre Pressure Monitoring System, page 1.36.
	Seat Belts, page 1.18.
	Rear Fog Lamp, page 1.33.
	Supplementary Restraint System, page 1.21.
	Electronic Stability Control, page 1.30.
	Driving, page 1.13.

	Anti-lock Braking System, page 1.28.
	Brake Pedal, page 1.10. Parking Brake, page 1.8.
	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 1.44.

	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 1.34.
	Main Beam Headlamps, page 1.32.
	Light Switch, page 1.30.
	Light Switch, page 1.30.
	Direction Indicators, page 1.34.

Driving Controls

Starting and Driving

Driver Display Overview



1. Tachometer, page 1.2.
2. Speedometer, page 1.3.

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 1.22.
2. Outside air temperature

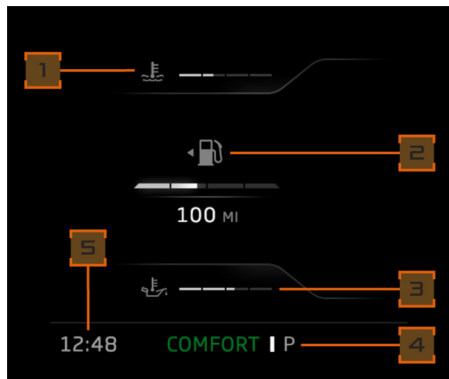


Use the control stalk to navigate through the menus.

Driving Controls

Starting and Driving

Driver Display - Right-hand Side



1. Water Temperature, page 1.14.
2. Fuel Level And Range, page 1.15.
3. Oil Temperature, page 1.14.
4. Powertrain Control, page 1.23.
5. Time.

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 1.18 and Manual/Automatic Mode, page 1.19.

If manual mode is active gear changes are made using the gearshift paddles. See Gearshift Paddles, page 1.21.

Parking Brake

i **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 this problem engage/disengage the parking brake again. See Parking Brake Operation, page 1.9.

Driving Controls

Starting and Driving

Parking Brake Operation



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

- i** **NOTE:** The parking brake on your vehicle is electronic and only a light application of the icon 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.

- i** **NOTE:** If the parking brake is not manually released it will automatically release as the vehicle is driven off, as long as the following conditions are met:

- Driver's door is closed
- Driver's seat belt is buckled

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


- i** **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.

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


Driving Controls


Starting and Driving


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, which will 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.

Driving Controls

Starting and Driving

Starting The Engine



1. Ensure that the key fob is in the vehicle.
2. Depress the brake pedal and press and release the START/STOP button. 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 and the immobiliser is activated. The vehicle enters Awake mode. See Vehicle Electrical Status, page 1.4.

i **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 Controls

Starting and Driving

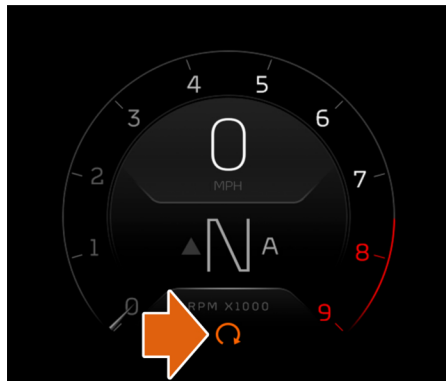
Eco Start-Stop System

This system automatically stops the engine when conditions allow in order to reduce fuel consumption and exhaust gas emissions and restarts it again when required.

The following conditions must be met for the system to automatically stop the engine:

- Driver is detected as present
- Driving speed exceeded 6 mph (10 km/h) since previous stop
- Engine at normal operating temperature
- Vehicle battery fully charged
- Air conditioning demand not too high
- Comfort Powertrain mode active

System Operation



At very low speeds a status icon will be shown on the Driver Display. The icon will illuminate:

- amber if conditions have not been met and the system is not available
- green if all conditions have been met and the system is available

The system will automatically stop the engine when the brake pedal is depressed and the vehicle slows to a complete stop.

The message 'ENGINE STOPPED' will be shown on the Driver Display.

The engine will automatically restart when the brake pedal is released or any conditions that require the engine to restart are detected.

i NOTE: If the parking brake is engaged while the engine is stopped the engine will not restart when the brake pedal is released. To initiate the automatic restart depress the brake pedal, disengage the parking brake and then release the brake pedal.

i NOTE: The engine may automatically re-start before the brake pedal is released in order to maintain electrical, air conditioning or other vehicle power demands.

Driving Controls

Starting and Driving

Deactivating



Press the Eco Start-Stop system OFF button to deactivate the system. The light in the button will illuminate and the status light on the Driver Display will be extinguished.

Press the button again to activate the system.

- i** **NOTE:** If the Eco Start-Stop system OFF button is pressed when the engine has been automatically stopped the engine will re-start.

- i** **NOTE:** The system is active by default when the ignition is switched on, even if it has been previously deactivated.

Driving

Driving Away

- ⚠** **WARNING:** Never turn the engine off while driving, as 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.
- i** **NOTE:** Do not drive at high engine speeds until the engine has reached normal operating temperature.
- i** **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 Central Display. See Automatic Door Locking, page 1.12.
- i** **NOTE:** During extensive parking manoeuvres the steering assistance might feel slightly stiffer. This is normal and designed to protect the steering system from overheating.

Driving Controls

Starting and Driving

i 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 1.21 and Gear Positions, page 1.18.
3. Keep the brake pedal depressed and release the parking brake switch. The red status light on the Driver Display will be extinguished.

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

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

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

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, providing that 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
- 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.

i 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

Driving Controls

Starting and Driving

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 limp home mode is activated. The engine performance will remain limited until the vehicle is restarted.

i 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 track driving, maintaining high engine speed for long durations, and sudden and repeated changes in throttle demand.

i 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.

Driving Controls

Starting and Driving



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 1m (3 ft). The centre sensors in the rear bumper have a range of approximately 1.5m (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 Central Infotainment Touchscreen press the centre of the button when in drive or neutral.

The parking sensors cannot be switched off manually if reverse gear is selected. When the parking sensors are switched off manually, the light around the button will be extinguished.

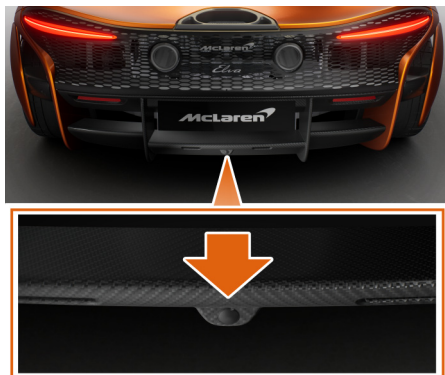
When the system has been manually switched off, both the front and rear sensors will still switch on when reverse gear is selected and remain on until drive or neutral is selected.

If a fault is detected the system will be disabled, a message will appear in the Driver Display and 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.

Driving Controls

Seamless Shift Gearbox

Rear View Camera



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.

i 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.

i 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).

📺 When the RVC has been manually activated and is displayed on the Central Infotainment Touchscreen, it can be deactivated by touching the on-screen icon. The RVC will also be deactivated if the screen is touched anywhere below the status bar or any of the physical Central Infotainment Touchscreen buttons are pressed.

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 1.19.

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 1.23
- Accelerator Pedal Position, page 1.19
- vehicle speed
- braking effort

i 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.

Driving Controls

Seamless Shift Gearbox

Gear Positions



Press one of the gear position buttons.

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

Drive

□ 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 1.33.

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.

i **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.

Driving Controls

Seamless Shift Gearbox

i **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.

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

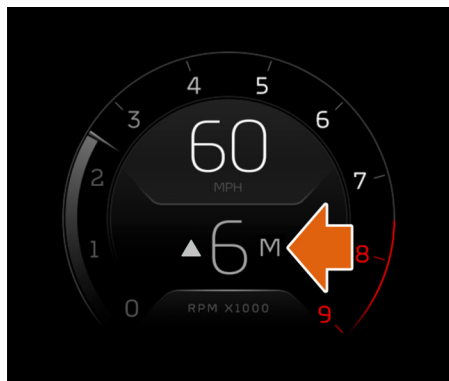
Manual/Automatic Mode



Press the MANUAL button to select manual mode.

Driving Controls

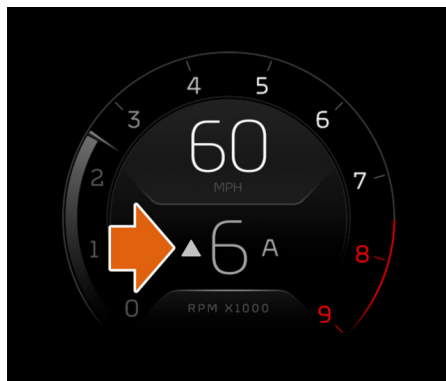
Seamless Shift Gearbox



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 1.21.

Performance shift cue (PSC) is an indicator that will sound to indicate that an upshift is required to maintain optimum performance.

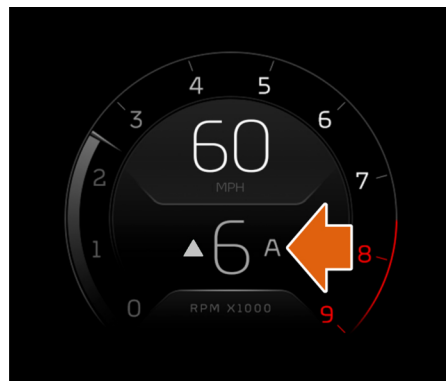
For setting options see Performance Shift Cue, page 1.12.



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 1.14.

i 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. The gearbox mode indicator displays A/M. See Gear Position Indicator, page 1.13.

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

Driving Controls

Seamless Shift Gearbox

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 1.13.

i **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.

i **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.

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.

Driving Controls

Handling and Powertrain Controls

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.

Handling Control

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

Selecting A Mode



i NOTE: When the vehicle is switched on, the vehicle starts in comfort mode.

1. Press up on the Handling paddle to change into sport mode.
2. Press up on the Handling paddle again to change into track mode.
3. To change back down into sport or comfort mode, press down on the Handling paddle.

Driving Controls

Handling and Powertrain Controls

Modes

N	Normal	Suspension at its softest setting which offers a comfortable ride while maintaining good body control through corners.
S	Sport / Non-active	Suspension is stiffer giving a firmer ride coupled with enhanced handling characteristics.
T	Track	The suspension is at its stiffest giving almost race car handling and ride characteristics. The electronic stability control warning light is permanently illuminated.

i NOTE: The information displayed on the Driver Display will change dependent on the handling mode selected. See Handling And Powertrain Display, page 1.13.

The mode selected will remain active until the selection is changed or the ignition is switched off.

i 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 vehicle is in Non-Active mode the handling characteristics will match those of Sport handling mode.

To enter track mode the AAMS must be switched off.

To engage the AAMS when the vehicle is already in track mode, track mode must first be switched off.

i NOTE: Track mode is only available when AAMS is off.

i NOTE: In Track handling mode the electronic stability control system is still in operation. For further information, see Electronic Stability Control, page 1.30.

Powertrain Control

Selecting A Mode



i NOTE: When the vehicle is switched on, the vehicle starts in comfort mode.

i NOTE: Track mode is only available when AAMS is off.

1. Press up on the Powertrain paddle to change into sport mode.
2. Press up on the Powertrain paddle again to change into track mode.

Driving Controls

Handling and Powertrain Controls

3. To change back down into sport or comfort mode, press down on the Powertrain paddle.



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

Active Modes

Automatic mode		
C	Normal	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 1.11.
T	Track	Gear changes occur instantly according to throttle response and are further enhanced with cylinder cut. See Cylinder Cut, page 1.11.

Manual mode		
C	Normal	Gear changes are configured to offer optimum comfort and are enhanced with cylinder cut. See Cylinder Cut, page 1.11.

S	Sport	Gear changes occur with a reduced shift duration and are further enhanced with ignition cut. See Ignition Cut, page 1.12.
T	Track	Gear change strategy is at its sharpest. Changes occur instantly and are further enhanced with inertia push. See Inertia Push, page 1.12.

- i** **NOTE:** The information displayed on the Driver Display will change dependent on the powertrain mode selected. See Handling And Powertrain Display, page 1.13.
- i** **NOTE:** The use of Track mode on the public road is not recommended. Track mode is strictly intended for high performance track/off road use only.
- i** **NOTE:** Track mode is only available when AAMS is off.

The mode selected will remain active until the selection is changed or the ignition is switched off.

Driving Controls

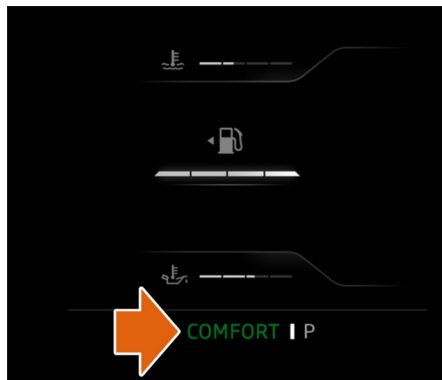
Handling and Powertrain Controls

When the Active Dynamics Panel is off the powertrain display on the Driver Display will show Non-Active. See Handling And Powertrain Display, page 1.13.

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 1.12.

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', 'Sport' or 'Track' changes colour to green when economy mode is active. For information on other ways to save fuel, see Economical Driving, page 1.14.

Mode Memory


Press down on the Powertrain paddle and Handling paddle at the same time for 2 seconds to resume the previous mode selection (prior to the last ignition cycle).


Driving Controls


Handling and Powertrain Controls


Launch Control


Launch control is designed to offer the maximum acceleration from a standing start.

 **WARNING:** Do not initiate launch control unless on a track.

 **WARNING:** Before initiating launch control ensure that both doors, tonneau compartment and service cover are closed, and the prevailing conditions are suitable for performing maximum acceleration manoeuvres.

 **NOTE:** Launch control can be operated in either automatic or manual modes and any handling or powertrain mode.

 **NOTE:** The launch sequence can be aborted at any point by applying the parking brake.


 **NOTE:** If there is a fault or the launch procedure has not been followed correctly, a warning message 'Launch Mode unavailable - See owner's manual' will be shown on the Driver Display. Repeat the launch procedure ensuring that it is followed correctly. If the warning message remains, contact your McLaren retailer.

 **NOTE:** Launch mode is only available if the following conditions are met:


- Both doors are closed
- Vehicle ride height normal and vehicle lift function inactive
- Atmospheric altitude has no detrimental effect with respect to engine performance
- Engine coolant at normal operating temperature

Launch Control Process

1. Ensure the steering wheel is in a straight ahead position.
2. Depress the brake pedal firmly with your left foot and select first gear.

 **NOTE:** L will flash in the gearbox mode indicator. See Manual/Automatic Mode, page 1.19. 'Launch Mode active - Awaiting full throttle' will be shown on the Driver Display.

3. Keep your left foot on the brake pedal and press and hold the accelerator pedal down fully with your right foot. The engine speed will increase to 3,200 rpm.

 **NOTE:** The message 'Launch Mode active - Boost building' will be shown on the Driver Display. Once sufficient boost has been achieved, the message 'Launch Mode active - Boost ready' will be shown on the Driver Display.

Driving Controls

Driving Safety Systems

i **NOTE:** To abort launch control, release the brake pedal before pressing the accelerator pedal or wait for approximately 100 seconds until launch control is deactivated. The message 'Launch Mode aborted - See owner's manual' will be shown on the Driver Display.

4. Release the brake pedal with your left foot and the launch control system will perform a launch start to give maximum acceleration.

i **NOTE:** To abort launch control, release the accelerator pedal or wait for approximately 5-10 seconds until launch control is deactivated. If the launch is aborted release the accelerator pedal and then press it again to drive away. The message 'Launch Mode aborted - See owner's manual' will be shown on the Driver Display.

5. Launch control will operate if the procedure has been followed correctly until aborted.

i **NOTE:** Whilst in launch control, the vehicle will carry out automatic gear shifts and optimise traction. It will continue to do so until launch control is aborted. To abort launch control, release the accelerator pedal, apply the brake, or operate one of the gearshift paddles.

General

This section contains information about the following safety systems:

- Anti-lock braking system (ABS)
- Brake assist system
- Hill hold
- Brake-steer
- Electronic brake pre-fill
- Electronic stability control (ESC)
- Active aero
- Tyre pressure monitoring system (TPMS)



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.


Driving Controls

Driving Safety Systems

Anti-lock Braking System


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 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, the 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.

Driving Controls


Driving Safety Systems

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 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.**

Hill Hold Control

If the brake pedal is applied to hold the vehicle on a hill, the hill hold control 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.

Driving Controls

Driving Safety Systems

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

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

ESC 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



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.

Driving Controls

Driving Safety Systems

i **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 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 or Track handling mode is active. See Handling Control, page 1.22.



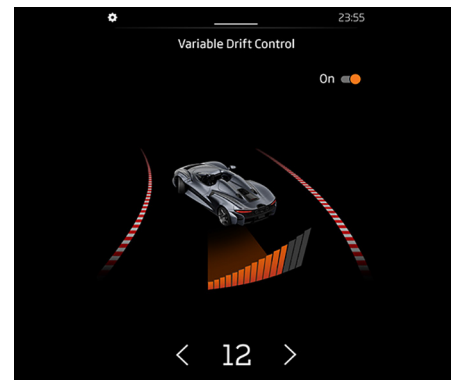
Sport Dynamic mode

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. This allows more dynamic freedom over the default ESC ON mode.
ESC DYN will be displayed on the Driver Display.

Track Dynamic Mode

1. Select Track handling mode.
The electronic stability control is ON by default.
2. Press the ESC OFF button briefly to activate Track Dynamic mode. This allows a further increase in dynamic freedom over Sport Dynamic mode.
ESC DYN will be displayed on the Driver Display.

Variable Drift Control



The amount of drift permitted by the ESC in Sport and Track Dynamic modes can be adjusted.


Driving Controls

Driving Safety Systems

When in Sport Dynamic mode, Track Dynamic mode or ESC off, Variable Drift Control can be accessed on the Central Display. This allows the driver to select the precise level of electronic stability control support that they would like.

Select Traction control from the Home menu to access the traction control settings.

Select + or - to increase or decrease the amount of drift to suit your preference.

Select  to save and manage favourite settings.

To reset to factory settings, select Default.

ESC Off


1. Select Sport or Track 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, then press the ESC OFF button 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

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.

Driving Controls

Driving Safety Systems

Active Aero

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

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

i NOTE: The Airbrake uses hydraulic pressure and will only operate with the engine running.

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



1. Stowed position
2. Deployed position

Airbrake - AERO Button OFF

The Airbrake remains stowed at speeds below 93 mph (150 km/h).

At speeds above 93 mph (150 km/h) the Airbrake deploys, moving dynamically dependent on the vehicle's requirements. This enhances the vehicle's high speed stability with increased aerodynamic drag.

The Airbrake may actively deploy at speeds below 93 mph (150 km/h) during sudden braking or when high vertical or longitudinal G forces are measured.

Airbrake - AERO Button ON

The Airbrake is deployed and moves dynamically, dependent on the vehicle's requirements. This enhances vehicle stability with increased aerodynamic drag. The Airbrake will raise at any vehicle speed.



Press the AERO button and the Airbrake deploys. The light in the button will illuminate.

Driving Controls

Driving Safety Systems

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

Lowering The Airbrake - Vehicle Moving
If the car is travelling at speeds above 9 mph (15 km/h) press the AERO button and the Airbrake will lower fully.

⚠ **WARNING:** Before lowering the Airbrake check for any objects which may obstruct movement (e.g. branches or leaves) and remove them or the Airbrake may no longer function correctly. The driver is responsible for ensuring no person or object can be trapped during Airbrake movement.

i **NOTE:** To ensure stability of the vehicle while the Airbrake is moving the Airbrake will react to an AERO button press if the speed of the vehicle meets the following criteria:

- When cornering the vehicle speed must be between 9mph (15 km/h) and 75mph (120 km/h).

- When travelling in a straight line the vehicle speed must be between 9 mph (15 km/h) and 155 mph (250 km/h).

Lowering The Airbrake - Vehicle Stationary
If the car is being parked and the Airbrake is still deployed, press and hold the AERO button for 5 seconds and the Airbrake will start to lower.

Keep the button pressed until the Airbrake is fully lowered, remaining alert to any potential obstructions.

⚠ **WARNING:** Before lowering the Airbrake check for any objects which may obstruct movement (e.g. branches or leaves) and remove them or the Airbrake may no longer function correctly. The driver is responsible for ensuring no person or object can be trapped during Airbrake movement.

i **NOTE:** If the AERO button is released before the Airbrake is fully retracted it will return to the previously selected position.

Airbrake Operation

During hard braking at high speed the Airbrake automatically rises to the fully deployed position to provide maximum braking assistance.

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

i **NOTE:** The Airbrake will lower just before the vehicle comes to a halt during hard braking.

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

- When high longitudinal G forces are measured (e.g. when the accelerator pedal is suddenly released)
- When high vertical G forces are measured (e.g. when travelling over the crest of a hill)

i **NOTE:** The Airbrake may actively deploy to aid engine compartment cooling.

Driving Controls

Driving Safety Systems

Airbrake Self-test

The Airbrake performs an automatic self-test if any of the following occur:

- after each full ignition cycle
- the first time the engine is started
- at speeds above 9 mph (15 km/h)

The Airbrake rises and then returns slowly to its initial position.



WARNING: If the Airbrake fails the self-test a message is displayed in the Driver Display. Contact your McLaren Retailer.



NOTE: If the engine has been stopped with the Airbrake deployed the self-test procedure will be reversed (i.e. the Airbrake will lower fully then raise to its initial position).

Manual Test



1. Press the AERO button. The Airbrake rises and locks in the downforce position. The light in the button will illuminate.
2. Press and hold the AERO button to return the Airbrake to the rest position. The light in the button will turn off.

Active Central Mounted Stop Lamp



The active central high mounted stop lamp is located in the Airbrake. When the Airbrake is deployed it obscures the static central high mounted stop lamp. The active central high mounted stop lamp will illuminate under braking if the Airbrake is deployed.

Driving Controls

Driving Safety Systems


Tyre Pressure Monitoring System

Before driving the vehicle all tyres should be checked when cold and inflated/deflated to the correct pressure.

The tyre pressure recommended by the vehicle manufacturer for each mode of operation is on the vehicle placard or tyre inflation pressure label. If your vehicle has tyres of a different size than the size indicated on the vehicle placard or tyre inflation pressure label, 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 TPMS pressure 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.**

Tyre Pressure Monitoring System Overview




The TPMS 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 TPMS can suffer interference if you are operating radio transmitting equipment (e.g. radio headphones, two-way radios) in or near the vehicle.**

Tyre Pressure Monitoring System Operation

 If a low or high tyre pressure or high tyre temperature is detected the TPMS warning light will illuminate and an error message will be shown 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 1.23. The warning light will be extinguished when the tyres have been inflated to the correct pressure.

Driving Controls

Driving Safety Systems

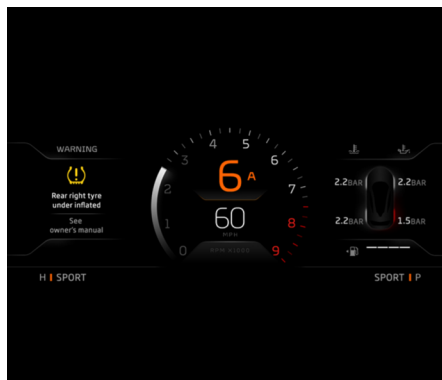
Driving on a significantly under-inflated tyre causes the tyre to overheat and can lead to tyre failure. Under-inflation also reduces fuel efficiency and tyre tread life and may affect the vehicle's handling and stopping ability.

Over-inflation can also have an adverse effect on tyre tread wear and vehicle handling.


 **WARNING:** TPMS is not a substitute for proper tyre maintenance. 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.


Navigate through the 'Vehicle Info' screen on the Driver Display to view the current tyre pressures. See Vehicle Info, page 1.6.





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

 **WARNING:** 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 leading to loss of vehicle control and risk of serious personal injury or death.

 **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.

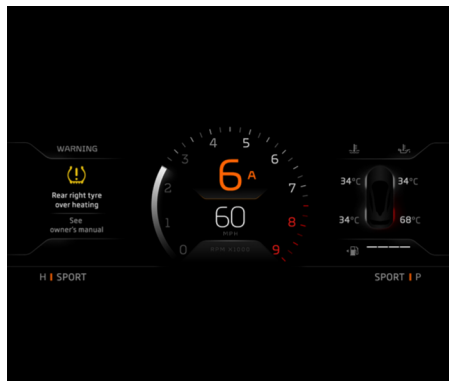
Driving Controls

Cruise Control

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.

Navigate through the 'Vehicle Info' screen on the Driver Display to view the current tyre temperatures. See Vehicle Info, page 1.6.



This shows the current temperature of each of the four tyres. If the temperature appears in:

- blue, the tyres have not yet warmed up to optimum operating temperature
- green, no action is required
- red, the safe operating temperature of the tyres has been exceeded. Reduce speed or stop the vehicle until the temperatures are at a safe level (i.e. temperatures are displayed in green)

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

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.



WARNING: 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.

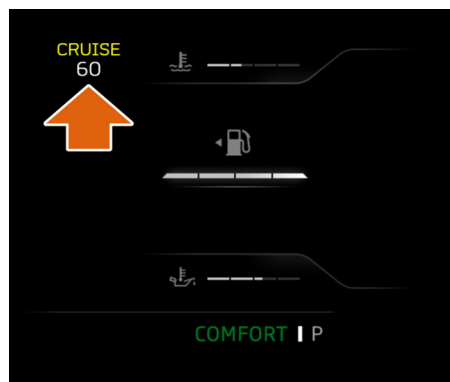


All cruise control functions are operated by the cruise control stalk, positioned on the right of the steering column.

Driving Controls

Cruise Control

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.

i **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 and the indicator on the Driver Display extinguishes. The last speed set remains stored.

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

Cruise control is also cancelled if the foot brake is pressed or neutral is selected.

Driving Controls

Cruise Control

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

Increasing Cruise Control Speed



- A brief push of the stalk upwards will increase the vehicle speed in 1mph (1km/h) increments (depending on the units selected, see Speed & Distance Units, page 1.9);
- 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 to store the new speed.

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 1.9);
- or push and hold the stalk downwards and the vehicle will decelerate. Release the stalk when the desired speed has been reached.

Driving Controls

Active Speed Limiter

i **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.

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 (e.g. when descending steep gradients).

i **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.

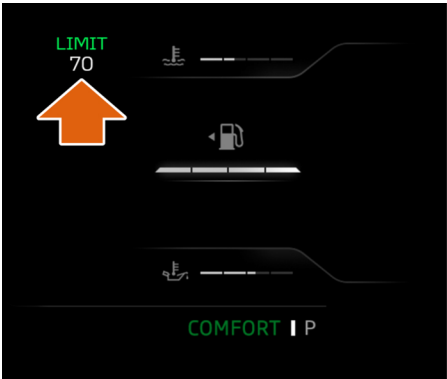
Driving Controls

Running In

Selecting A Speed



1. Accelerate or decelerate to the maximum permitted speed and push the stalk down briefly to activate the ASL.
2. The upper speed limit will be shown on the Driver Display.



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

Cancelling Active Speed Limiter



To cancel the ASL briefly push the stalk away from you. The indicator on the Driver Display will be extinguished.

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):

Driving Controls

Running In

- 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.

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

i **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

Driving Controls

Refuelling

Track Use

i NOTE: Do not use the vehicle on a track during the running in period.

Before you use your vehicle on the track consult your McLaren retailer. McLaren recommend that your vehicle is inspected before and after track use.

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.

i NOTE: The fuel filler is located under the tonneau cover behind the left-hand seat.

Filling On The Forecourt



1. Switch off the engine.
2. Open the tonneau cover. See Tonneau Cover, page 1.8.
3. Insert the nozzle into the fuel filler and dispense fuel. For fuel recommendations, see Recommended Fuel, page 1.45.
4. Do not continue to fill the tank after the pump nozzle switches off.
5. Remove the nozzle.
6. Close the tonneau cover. See Tonneau Cover, page 1.8.

Filling With The Fuel Funnel




1. Switch off the engine.
2. Open the tonneau cover. See Tonneau Cover, page 1.8.
3. Collect the fuel funnel from stowage. See Fuel Funnel, page 1.11.
4. Insert the fuel funnel fully into the filler neck.
5. Insert the nozzle into the fuel funnel and dispense fuel. For fuel recommendations, see Recommended Fuel, page 1.45.

i NOTE: Do not overfill.

Driving Controls

Winter Driving





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


6. Remove the nozzle.
7. Remove the fuel funnel.
8. Close the tonneau cover. See Tonneau Cover, page 1.8.
9. Clean the fuel funnel thoroughly and store it in the stowage compartment.


Recommended Fuel


For maximum engine performance the use of 99 RON/88 MON unleaded petrol meeting specification EN 228 is required.

In areas where 99 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:** If 99 RON/88 MON unleaded petrol is not used engine performance will be restricted.
-  **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.
-  **NOTE:** Damage caused by use of incorrect fuel is not covered by the vehicle warranty.

 **NOTE:** Do not use fuels containing more than 10% Ethanol. This vehicle is not fitted with the equipment necessary for the use of fuels containing more than 10% Ethanol.

 **NOTE:** Do not use E85 fuels (85% Ethanol content). 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. 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

Driving Controls

Winter Driving

Snow Socks

McLaren recommend that you only use snow socks which have been approved for McLaren vehicles. If you are intending to fit snow socks, bear the following points in mind:

- Only ever fit snow socks to both rear wheels
- Comply with the manufacturer's installation instructions

Do not exceed the maximum permissible speed as indicated on the snow sock packaging.

Remove the snow socks as soon as possible if you are no longer driving on snow-covered roads.



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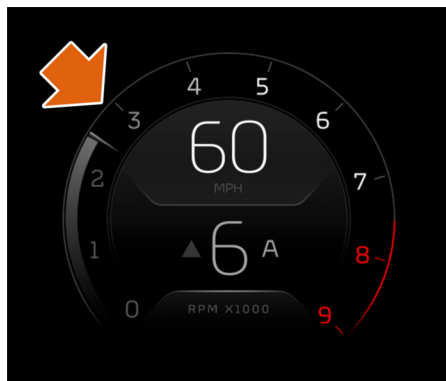
Overview

Overview

The Driver Display is activated when the ignition is switched on. See Switching On The Ignition, page 1.5.


 **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 in the centre of the Driver Display when in Non-Active, Comfort or Sport powertrain and handling modes. The red number on the display indicates the engine's maximum RPM.

When Sport or Track powertrain or handling modes are selected the tachometer style will change to suit the selected mode. See Display Window, page 1.12.

 **NOTE:** The maximum RPM is dynamic and will be reduced under certain conditions (e.g. 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 when the maximum RPM is reached to protect the engine.

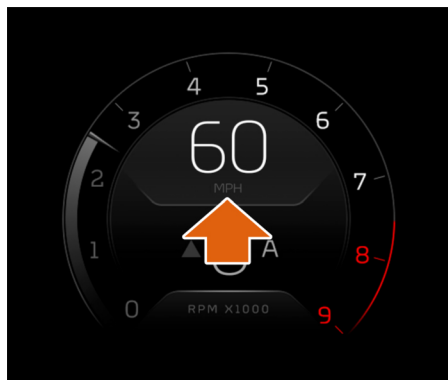
Shift Lights

When Track powertrain or handling mode is selected shift lights will be displayed across the top edge of the Driver Display. 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.

Instruments

Overview

Speedometer



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

When Sport or Track powertrain or handling modes are selected the speedometer style will change to suit the selected mode. See Display Window, page 1.12.

i **NOTE:** The speedometer changes from mph to km/h when the units are changed from miles to kilometres. See Speed & Distance Units, page 1.9.

i **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.


Instruments


Driver Display

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 1.10.


 **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.**

Clock

The clock displays the current time. For more details, see Time And Units, page 1.7.

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.

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

Menu



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

The following categories are available:

- Trip Info, page 1.5.
- Vehicle Info, page 1.6.
- Navigation, page 1.9.

Instruments

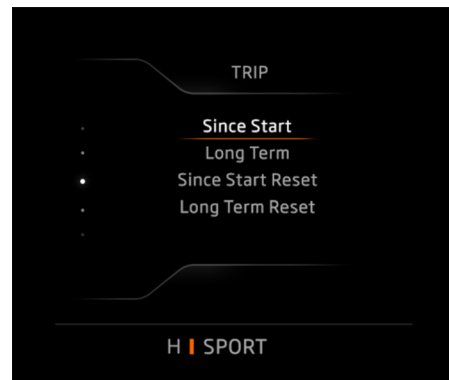
Driver Display

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 by moving 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:

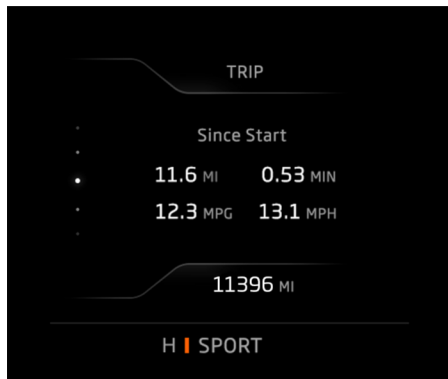
- Trip (Since Start), page 1.6.
- Trip (Long Term), page 1.6.

To reset the trip data to zero select the required option from the menu and pull the stalk towards you to confirm.

Instruments

Driver Display

Trip (Since Start)

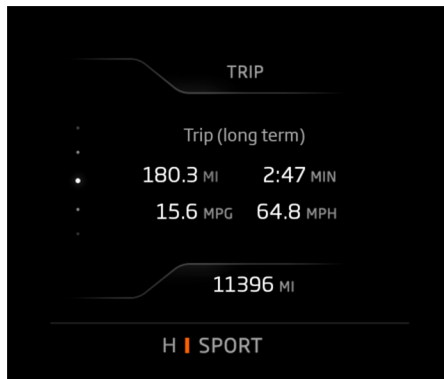


The Trip (Since Start) indicator displays the following data for the current journey:

- distance.
- time.
- average fuel consumption.
- average speed.

The information will reset to zero when the engine has been switched off for more than 2 hours.

Trip (Long Term)



The Trip (Long Term) indicator displays the following data accumulated since the last trip reset:

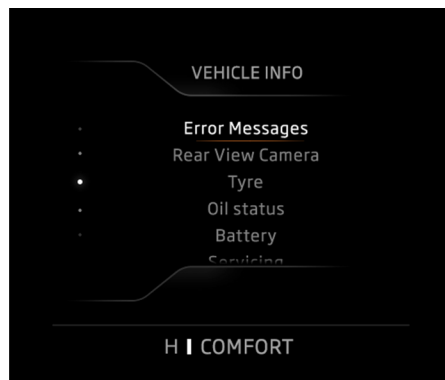
- distance.
- time.
- average fuel consumption.
- average speed.

Odometer

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

Vehicle Info

Overview



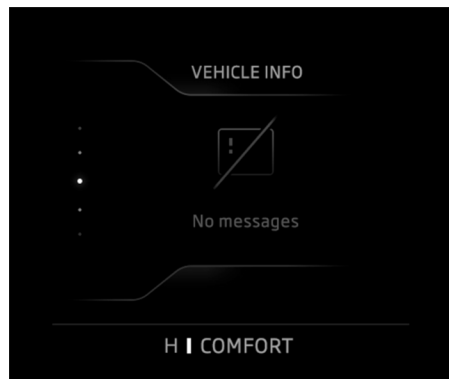
The following choices can be made from the Vehicle info screen.

- Message, page 1.7.
- Tyre, page 1.7.
- Oil Status, page 1.7.
- Battery, page 1.8.
- Servicing, page 1.8.
- Vehicle Identification Number, page 1.8.

Instruments

Driver Display

Message



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.

Tyre



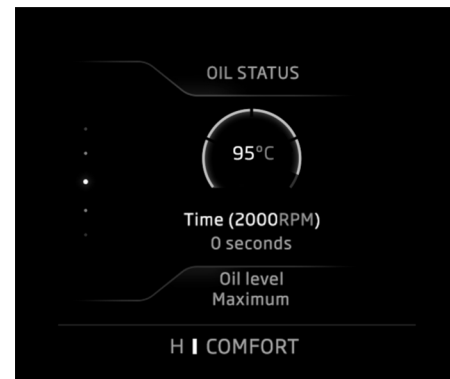
This shows the pressures and temperatures of each of the 4 tyres.

If the figures are displayed in white, no action is required.

If the figures are displayed in amber or red text have the tyres inspected and pressures corrected as soon as possible.

Inspect the affected tyres for any possible causes of reduced pressure or increased temperature.

Oil Status



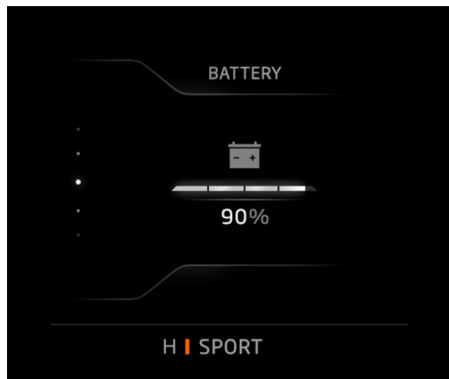
Displays a gauge showing the level of oil and the oil temperature.

To check the engine oil level see Engine Oil, page 1.3.

Instruments

Driver Display

Battery

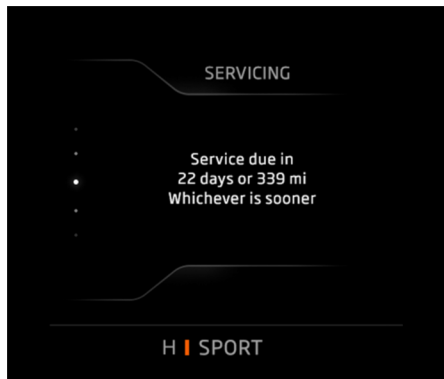


Displays a gauge showing the battery charge status.

To charge the battery see Battery Safety, page 1.12.

To see how long the vehicle can be parked without the engine running or charging the battery see Parking Days, page 1.5.

Servicing



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

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.

Vehicle Identification Number

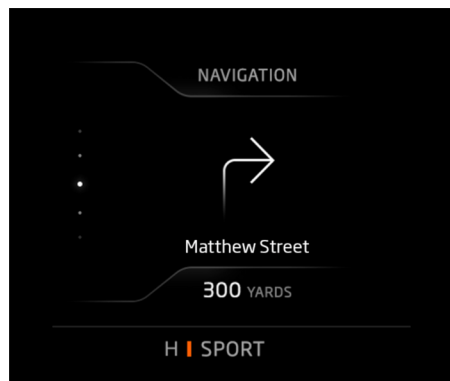


Displays the vehicle identification number (VIN).

Instruments

Driver Display

Navigation

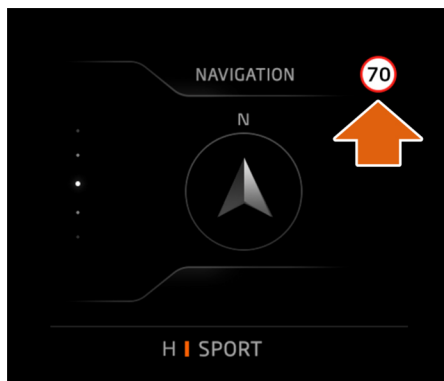


Turn-by-turn navigation guidance is displayed on the Driver Display if route guidance has been started using the Central Infotainment Touchscreen.

For more information on setting a route and using the navigation feature see Navigation, page 1.30.

The turn-by-turn display provides next turn direction and distance.

NOTE: If no destination has been set using the Central Infotainment Touchscreen 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 on the next page 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.

Instruments

Driver Display

Messages

Message	Action
Brake fluid level low	Top up brake fluid. See Brake Fluid, page 1.8.
Steering fluid level low	Top up the power steering fluid. See Power Steering Fluid, page 1.7.
Front left tyre pressure low	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Front right tyre pressure low	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear left tyre pressure low	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear right tyre pressure low	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Clutch over temperature	The vehicle has been subject to extreme operating conditions. This may be caused by excessive hill starts, repeated hard acceleration, or 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, or 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, page 1.30.
Front left tyre over inflated	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Front right tyre over inflated	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear left tyre over inflated	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear right tyre over inflated	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
ESC Reduced not possible	The ESC reduction conditions have not been met. See Electronic Stability Control, page 1.30.

Instruments

Driver Display

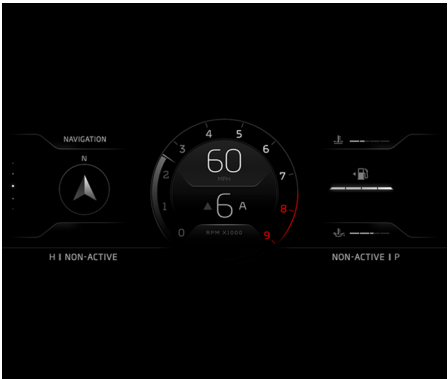
Message	Action
Launch Mode unavailable	The conditions to enable a Launch have not been met. See Launch Control, page 1.26.
Launch Mode aborted	See Launch Control, page 1.26.
Cruise control unavailable at current vehicle speed	See Using Cruise Control, page 1.39.
Front left tyre over temperature	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Front right tyre over temperature	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear left tyre over temperature	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Rear right tyre over temperature	Stop the vehicle and inspect wheels and tyres. See Inspecting Wheels And Tyres, page 1.22.
Battery management active	The vehicle is not able to supply enough voltage and has activated power saving mode. The climate control and steering will operate with reduced effect. See Vehicle Electrical Status, page 1.4.
Key battery critically low	See Replacing Key Fob Battery, page 1.18.
Key battery low	See Replacing Key Fob Battery, page 1.18.

Instruments

Driver Display

Display Window

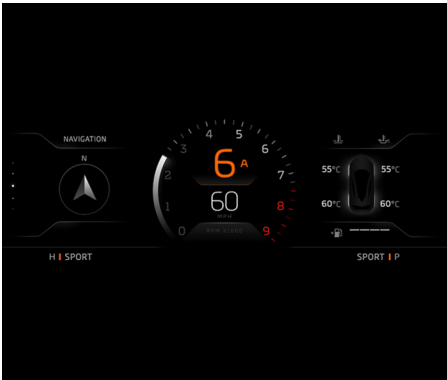
Non-Active/Comfort mode



The display window provides the driver with visual access to the control settings and current performance values of the vehicle. The Driver Display shown 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 1.12 and Track Mode, page 1.12.

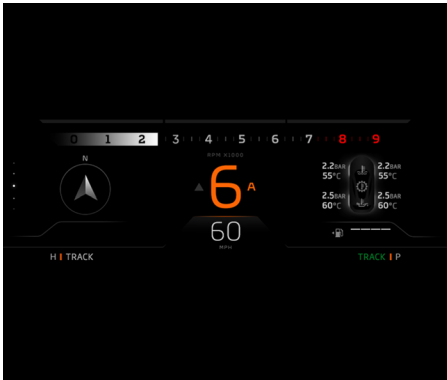
Sport Mode



The display window provides the driver with visual access to the control settings and current performance values of the vehicle. The Driver Display shown 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 1.12 and Track Mode, page 1.12.

Track Mode



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

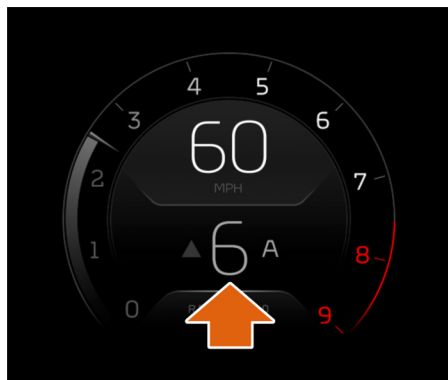
The information displayed on the centre section of the Driver Display will change dependent on the mode selected. See Non-Active/Comfort mode, page 1.12 and Sport Mode, page 1.12.

For more information regarding shift lights see Shift Lights, page 1.2.

Instruments

Driver Display

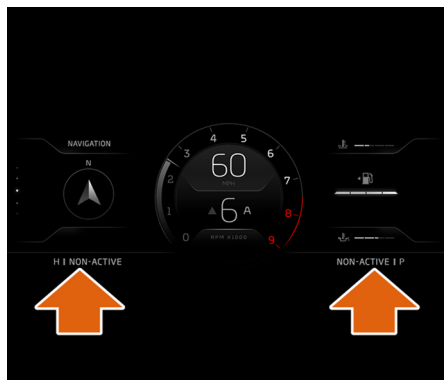
Gear Position Indicator



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.

The gear position indicator moves to the centre of the Driver Display, swapping position with the speedometer, when the vehicle is in Sport or Track mode. See Sport Mode, page 1.12 and Track Mode, page 1.12. For more information, see Manual/Automatic Mode, page 1.19.

Handling And Powertrain Display



For more information on the different settings that are available, see Handling and Powertrain Controls, page 1.22.

Electronic Stability Control Mode Display

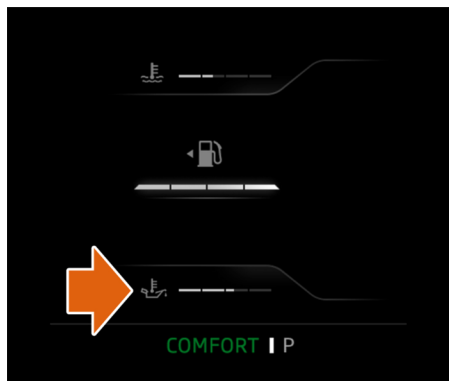


The electronic stability control mode selected is displayed. For more information on the different settings that are available, see Electronic Stability Control, page 1.30.

Instruments

Driver Display

Oil Temperature




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

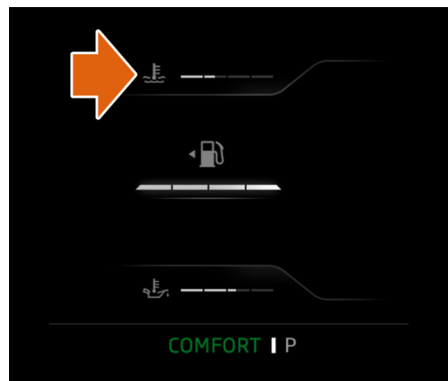
The colour of the figures in the centre of the display give a visual indication of the oil temperature:

- Blue - the oil temperature is low. When the engine is first started the oil temperature will be low.
- White - normal temperature.
- Red - high temperature.

If the gauge shows high temperature slow down until the temperature drops to normal.

 **WARNING:** 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.

Water Temperature



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


The colour of the figures in the centre of the display give a visual indication of the water temperature:

- Blue - the water temperature is low. When the engine is first started the water temperature will be low.
- White - normal temperature.
- Red - high temperature.

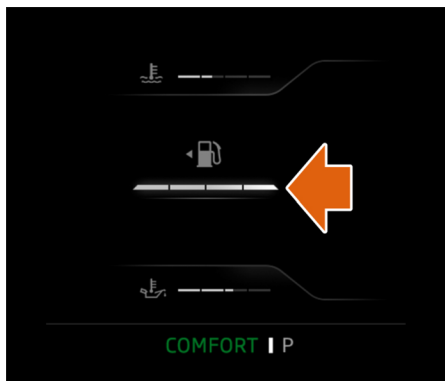
Instruments

Driver Display

If the gauge shows high temperature slow down until the temperature drops to normal.

 **WARNING:** 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.

Fuel Level And Range



Fuel Level

The fuel level is displayed on the right-hand side of the Driver Display.

Fuel Range

Range is the estimated distance until the vehicle requires refuelling.



Central Display

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Central Display

Introduction

Copyright

McLaren Automotive is constantly updating the systems covered within this document, and therefore reserves the right to change the specification without notice at any time.

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

The Wi-Fi trademark is owned by the “Wi-Fi Alliance” trade association. A manufacturer may use the “Wi-Fi” trademark to indicate that their certified product belongs to a class of wireless local area network (WLAN) devices based on the IEEE 802.11 standards.

The Bluetooth® word mark and logos are owned by the Bluetooth® SIG Inc., and any use of such marks by McLaren Automotive Ltd. is under licence. Bluetooth QDID: B019632; B017641; B017642.

Other trademarks and trade names are those of their respective owners.

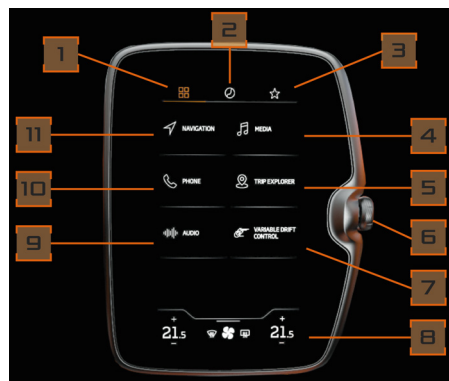
System Controls



When the ignition is switched on the McLaren Infotainment System (MIS) will start up and resume the previously used audio source if available. If the previously used source is not available the MIS will display the home screen.

Central Display

Introduction



1. Apps
2. Home
3. Favourites
4. Media
5. Trip Explorer
6. Volume
7. Variable Drift Control
8. HVAC Controls
9. Audio
10. Phone
11. Navigation

Apps

 The Apps screen shows all of the available applications in the MIS.

To access the Apps screen press the home icon or touch the Apps icon.

- Media, page 1.23
- Phone, page 1.16
- Navigation, page 1.30
- Audio, page 1.28
- Variable Drift Control, page 1.31


Home

When the MIS is on press the Home icon to return you to the home screen from anywhere in the system.


Volume

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


Rotate the Volume control (6) clockwise to increase volume or anti-clockwise to reduce the volume. A horizontal bar representing the volume setting will appear briefly 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.

Phone

 Press the Phone icon (10) to access the phone function. See Phone, page 1.16.

Media

 Press the Media icon (4) to access any stored or connected media. See Media, page 1.23.

Navigation

 Press the Navigation icon (11) to launch the navigation function directly. See Navigation, page 1.30.

Climate Control

 Press the Climate Control icon (8) to access the Climate Control system directly. See Climate Control, page 1.2.

Central Display

Introduction

Status Bar

A number of icons will appear at the top of the screen when certain systems are in operation or features are active.



Phone signal strength indicator.



The Bluetooth® icon will be displayed in white when a Bluetooth® device is connected.



Media muted.

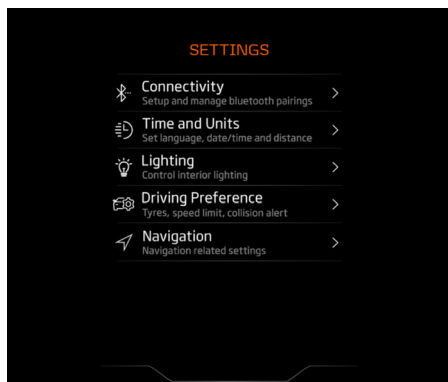
HVAC Controls

See Climate Control, page 1.2

Central Display Settings

Overview

Touch the settings icon to display the Settings menu.



Alternatively, swipe down from the top of the screen and touch the settings icon to open the settings screen.

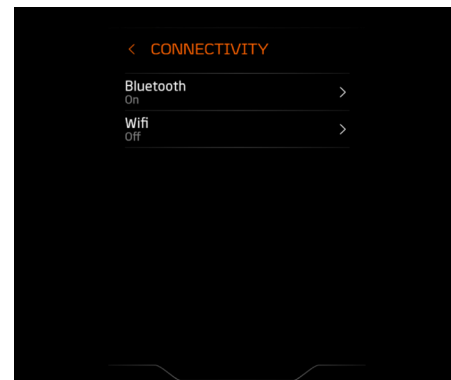
The following choices can be made from the Settings screen:

- Connectivity, page 1.6
- Time And Units, page 1.7
- Lighting, page 1.10

- Driving Preference, page 1.11
- Navigation, page 1.30
- Security, page 1.12
- System, page 1.14

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

Connectivity

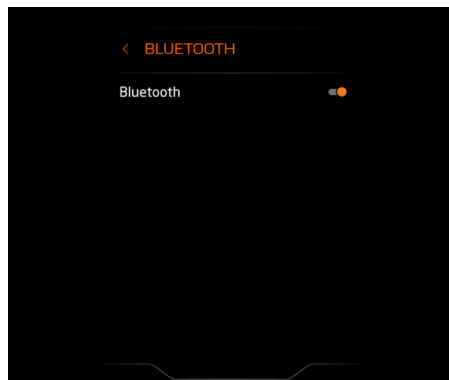


The following connectivity settings are available:

- Bluetooth, page 1.7
- Wi-Fi, page 1.7

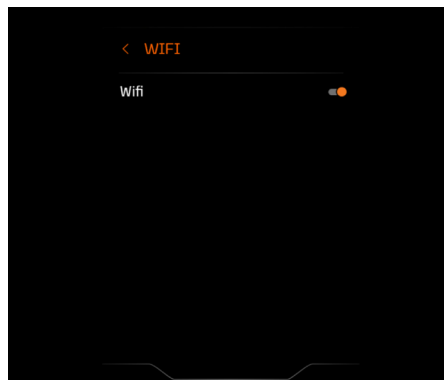
Central Display Settings

Bluetooth



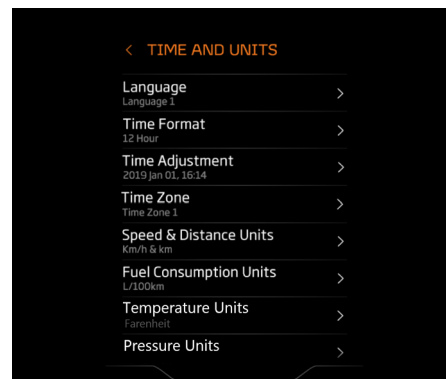
Touch Bluetooth to toggle the function On and Off.

Wi-Fi



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

Time And Units

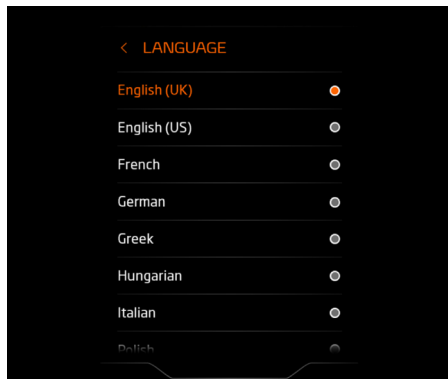


The following time and units settings are available:

- Language, page 1.8
- Time Format, page 1.8
- Time Adjustment, page 1.9
- Time Zone, page 1.9
- Speed & Distance Units, page 1.9
- Fuel Consumption Units, page 1.9
- Temperature Units, page 1.10
- Pressure Units, page 1.10

Central Display Settings

Language



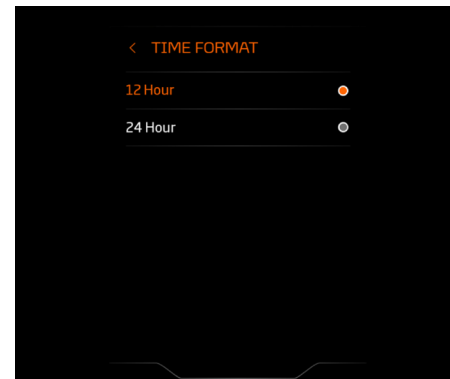
Select your preferred language from the list.

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

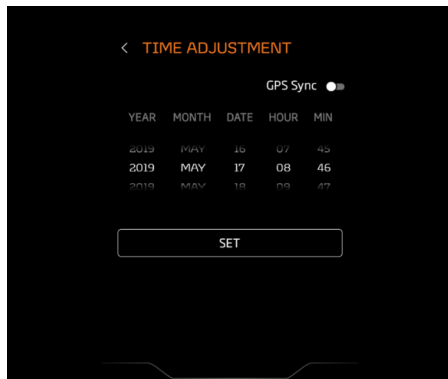
Time Format



Select 12 hour or 24 hour format.

Central Display Settings

Time Adjustment



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



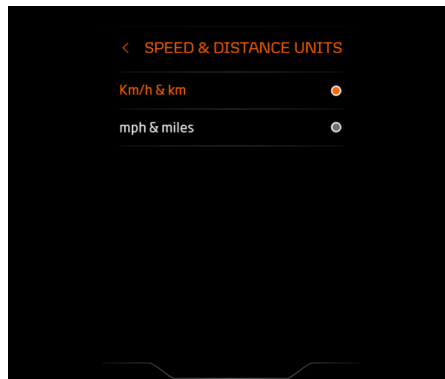
NOTE: GPS sync must be set to Off before the time can be manually adjusted.

Use the on-screen controls to manually adjust the time and date.

Time Zone

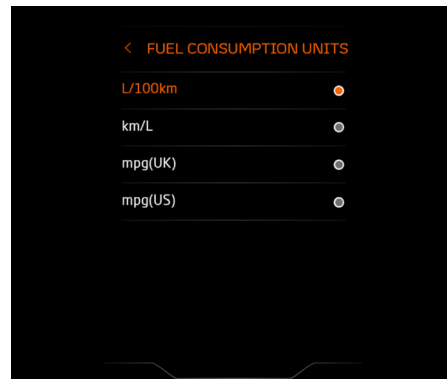
Select the appropriate time zone for your location.

Speed & Distance Units



Select km/h & km or mph & miles.

Fuel Consumption Units

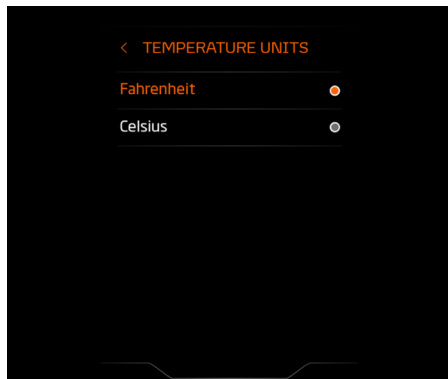


The following choices are available:

- L/100km
- km/L
- mpg (UK)
- mpg (US)

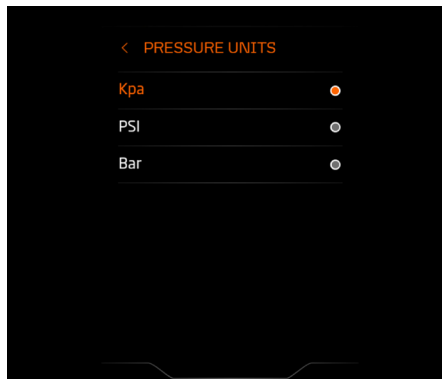
Central Display Settings

Temperature Units



Select Fahrenheit or Celsius.

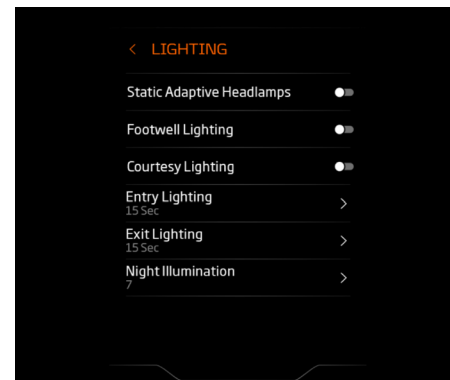
Pressure Units



The following choices are available:

- Kpa
- PSI
- Bar

Lighting



Static Adaptive Headlamps

The Static Adaptive Headlamps adjust the beams when cornering, providing improved illumination in the direction of travel. See Static Adaptive Headlamps, page 1.32.

Set Static Adaptive Headlamps On to activate this feature, To deactivate this feature select Off.

Footwell Lighting

Footwell lighting can be set to On or Off as desired.

Central Display Settings

Entry And Exit Lighting

Entry and exit lighting illuminates the exterior lights when the vehicle is unlocked and locked. To activate entry and exit lighting, set the duration of each to:

- 15 seconds
- 30 seconds
- 45 seconds
- 60 seconds

To deactivate entry and exit lighting, select Off.

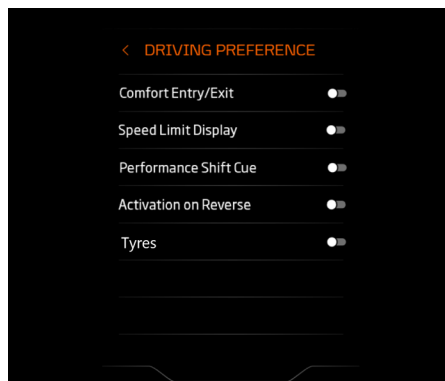
See Interior Lighting, page 1.11 for more information.

Night Illumination

Night illumination provides low level interior lighting when the headlamps are on. To activate night illumination select the desired level from the range of 1 to 7.

To deactivate night illumination select Off.

Driving Preference



The following driving preference settings are available:

- Comfort Entry/Exit, page 1.11
- Speed Limit Display, page 1.11
- Performance Shift Cue, page 1.12
- Activation On Reverse, page 1.12

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 forwards 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.

Speed Limit Display

When On is selected the speed limit for the current road will be displayed on the Driver Display, if available.

Central Display Settings

Performance Shift Cue

Performance Shift Cue (PSC) is an audible shift indicator which will sound during full throttle acceleration in manual gearbox mode to indicate that an upshift is required to maintain optimum performance.

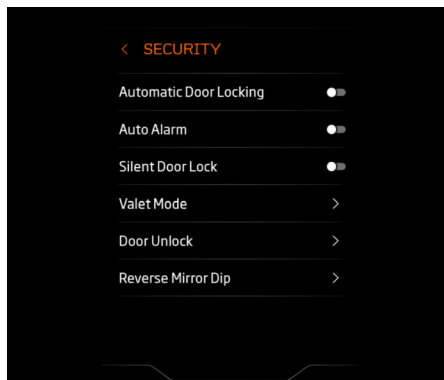
Touch Performance Shift Cue to toggle the function On or Off.

Activation On Reverse

The Rear View Camera (RVC) is mounted in the centre of the rear bumper.

When On is selected a live video feed will be displayed on the Driver Display when reverse gear is selected.

Security



The following security settings are available:

- Automatic Door Locking, page 1.12
- Auto Alarm, page 1.12
- Silent Door Lock, page 1.12
- Valet Mode, page 1.13
- Door Unlock, page 1.13
- Reverse Mirror Dip, page 1.14

Automatic Door Locking

When you receive the vehicle, automatic door locking is set to On. The vehicle doors will automatically lock as the vehicle moves off.

To deactivate this feature select Off. The doors will 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 will be set if after 30 seconds if:

- the vehicle is unlocked
- both doors, the tonneau cover and service access panel are fully closed

To deactivate this feature select Off.

Silent Door Lock

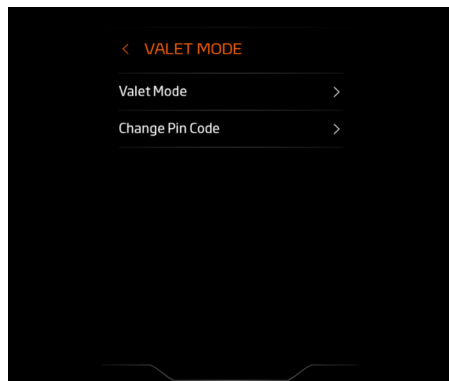
When On is selected the direction indicators do not flash when locking or unlocking the vehicle using the keyless entry system.

If Off is selected the direction indicators flash when the vehicle is locked or unlocked, irrespective of the method used.

Central Display Settings

All other lock and unlock features remain active.

Valet Mode



If Valet mode is On:

- the speed of the vehicle is limited to 35mph (55 km/h)
- the tonneau compartment, service cover and centre console stowage compartment remain locked
- a confirmation message is displayed on the instrument cluster

To switch on Valet mode:

1. Select Valet Mode from the Valet Mode menu.
2. Enter the four digit PIN code using on-screen key pad. An asterisk replaces each number as it is entered.
3. Touch Enter to confirm.

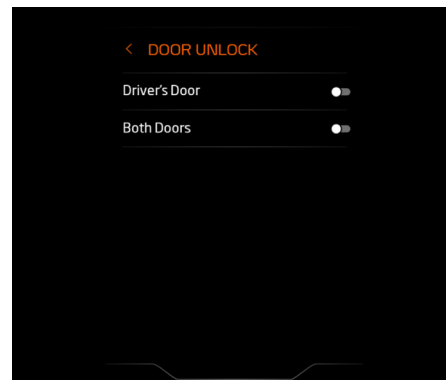
When valet mode is On, enter the PIN code to switch valet mode off.

The factory set PIN code is 0000. Use this PIN code the first time to switch on valet mode. McLaren recommend that you change this PIN code at the earliest opportunity.

To change the PIN code:

1. Select Change PIN code from the Valet Mode menu.
2. Enter the old PIN code using on-screen key pad.
3. Enter the new PIN code using on-screen key pad.
4. Touch Enter to confirm.

Door Unlock



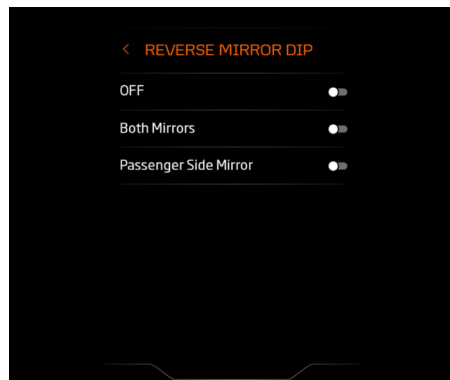
The Door unlock setting controls which doors will unlock when the key fob or door button is used. The options are:

- Driver's door. Only the driver's door will unlock when this option is set
- Both doors. Both doors will unlock when this option is set

All doors will lock with either Driver's door or Both doors selected.

Central Display Settings

Reverse Mirror Dip



The following mirror dip settings are available:

- Off. The mirrors will not dip when reverse is engaged
- Both mirrors. Both mirrors will dip when reverse is engaged
- Passenger side mirror. Only the passenger's side mirror will dip when reverse is engaged

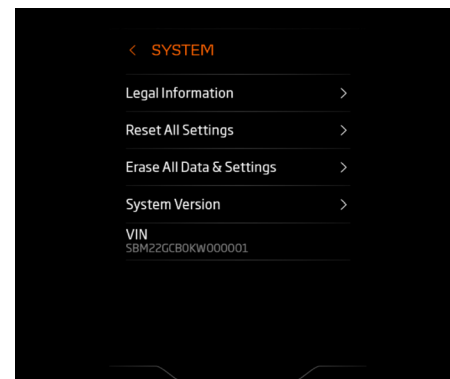
To set the amount the mirrors will dip when reverse is selected:

1. Switch the ignition on.

2. Select Both mirrors or Passenger side mirror in the mirror dip section of the cluster.
3. Depress the brake pedal and select reverse gear.
4. Adjust mirror(s) to desired position. See Exterior Mirrors, page 1.29.
5. Take vehicle out of reverse.

The next time reverse is selected the vehicle will automatically move the selected mirrors to the previously set dip position.

System



The following system settings are available:

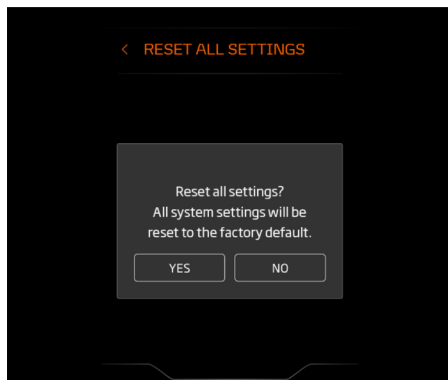
- Legal Information, page 1.14
- Reset All Settings, page 1.15
- Erase All Data And Settings, page 1.15
- System Version, page 1.15
- VIN, page 1.15

Legal Information

Select this option to view the available legal information relating to your vehicle and the MIS.

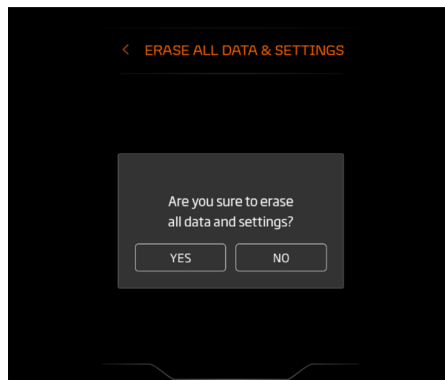
Central Display Settings

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 MIS settings to the factory defaults.

System Version

Displays the software version installed on the MIS.

VIN

Displays the vehicle identification number (VIN). See Vehicle Identification Number, page 1.3.

Central Display

Phone


Overview


The MIS provides the facility to make and receive calls safely and hands-free by connecting to your mobile phone using Bluetooth®.

The connection also 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.


Safety precautions

 **WARNING:** Never attempt to operate the phone while the vehicle is moving. You could become distracted and cause an accident.

 **WARNING:** Do not allow yourself to become distracted by the phone while driving. You could 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.

 **WARNING:** 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 15cm (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.

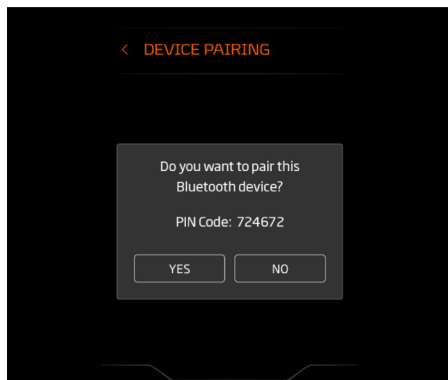
Compatible Bluetooth® phones can be used in conjunction with the MIS.

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 1.17 and Connecting A Phone, page 1.18.

Central Display Phone

Device Pairing



1. By default, Bluetooth® will be switched on and the MIS will be in discoverable mode. If Bluetooth® is not on switch it on manually. See Bluetooth, page 1.7.
2. On 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. 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.



NOTE: Internet sharing via Bluetooth® can be disabled using the settings on your phone.

Once your phone has been paired and connected to the MIS it will connect automatically whenever it comes within range. If it does not automatically connect it will be necessary to connect manually to the MIS using the mobile phone controls.

Pairing Additional Devices

The procedure for connecting additional devices is the same as when pairing the first phone. See Device Pairing, page 1.17.

A maximum of 12 devices can be paired with the MIS but only one can be connected at a time.



NOTE: If a device is already connected to the MIS an additional device can be paired but will not be connected. The original device will remain connected to the MIS.

Central Display Phone

Connecting A Phone

If you have already paired a phone the MIS will automatically reconnect to it when the phone comes within range unless there are two other devices already connected.

- i NOTE: Some phones must be manually connected.**
- i NOTE: Some phones require the connection to be authorised each time. Set MIS as authorised in the phone's known device list to prevent this.**

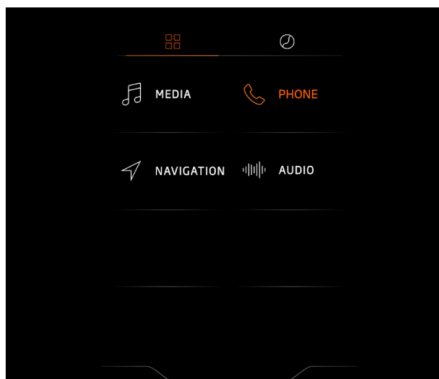
Your phone will be disconnected when the MIS or the vehicle is switched off. Automatic reconnection may take several seconds when the vehicle or the MIS is switched on again.

Making A Call

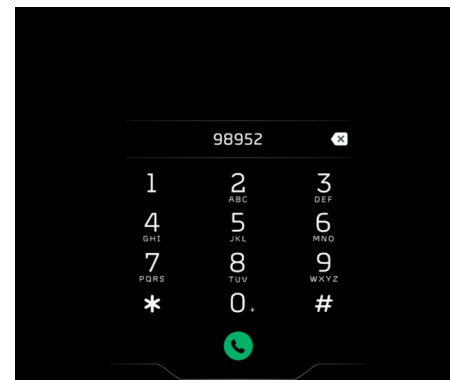
The following ways of making a call are available:

- Using The Keypad, page 1.18
- Using Contacts, page 1.19
- Using Call History, page 1.19
- Favourites, page 1.20

To switch to the phone application touch the Phone icon from the MIS Home screen or press the Phone button.



Using The Keypad



1. On the Phone screen touch the keypad icon.
2. Phone numbers can be entered using the on-screen keypad.
If you enter an incorrect number or digit touch the backspace icon to delete the last digit.
3. Touch the phone icon when the complete number is displayed on the screen to begin the call.

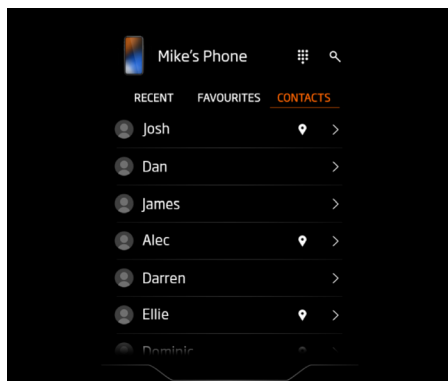
Central Display Phone

i **NOTE:** The circle around the phone icon is yellow during dialling and changes to green when the call is connected.

4. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE:** Any media playing will be muted while a call is in progress.

Using Contacts



1. On the Phone screen touch the CONTACTS tab.

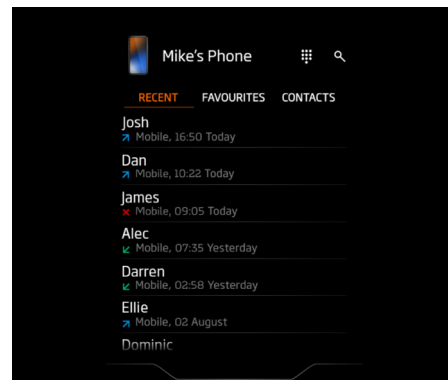
2. When your contacts are displayed scroll through the list to find the specific person.
3. Select a contact to view all available phone numbers for that contact. Touch the required number to begin the call.

i **NOTE:** The circle around the contact symbol is yellow during dialling and changes to green when the call is connected.

4. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE:** Any media playing will be muted while a call is in progress.

Using Call History



1. On 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 at the top.
3. Touch the required contact to begin the call.

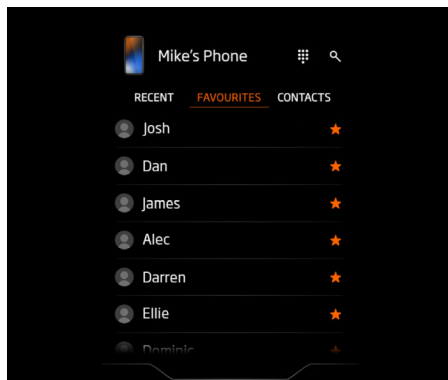
i **NOTE:** The circle around the contact symbol is yellow during dialling and changes to green when the call is connected.

Central Display Phone

4. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE:** Any media playing will be muted while a call is in progress.

Favourites



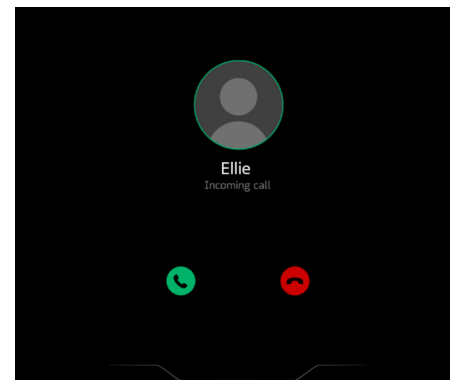
1. On the Phone screen touch the favourites tab.
2. A list of your favourite contacts will be displayed.
3. Touch the required contact to begin the call.

i **NOTE:** The circle around the contact symbol is yellow during dialling and changes to green when the call is connected.

4. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE:** Any media playing will be muted while a call is in progress.

Receiving A Call



When you receive an incoming call the MIS will display caller details if they are stored on your phone.

To accept the call touch the green Call icon.

To decline the call touch the red End Call icon.



WARNING: Do not allow yourself to become distracted by the phone while driving. You could cause an accident.

Central Display Phone

In-call Options

Touch the keypad icon to launch the on-screen keypad. When the keypad is displayed touch the keypad icon to hide it.

Touch the mute icon to disable the microphone. Touch it again to enable the microphone.

Touch the pause icon to put the call on hold.

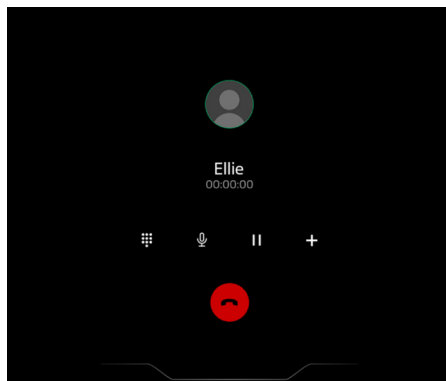
Touch the plus icon to add another caller. Select a contact from your contacts list and begin a conference call.

Touch the merge icon to merge two calls into a conference call. The merge icon replaces the plus icon when this option is available.

Press the home button to view the home screen during a phone call. You can access other features of the MIS during a call. The current call will be minimised at the top of the display.

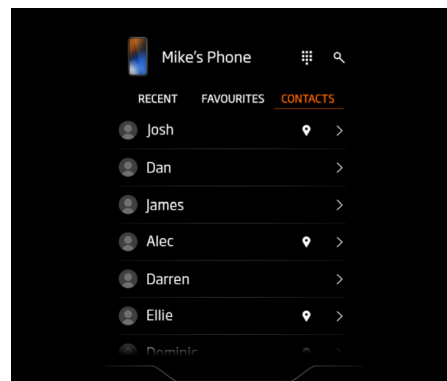
Ending A Call

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 next to the call in progress display at the top of the screen.

Contacts



1. On the Phone screen touch the contact tab.

NOTE: Dependent on phone model, if pictures of contacts are stored on your phone they will be displayed on the screen during a call (if contacts have been synchronised with the MIS).

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.

Central Display Phone

3. Alternatively you can search for a contact using the on-screen keyboard. See Search, page 1.22.

4. Select a contact to view all available information for that contact.

i **NOTE: Dependent on phone model, if pictures of contacts are stored on your phone they 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.

i **NOTE: The circle around the contact symbol is yellow during dialling and changes to green when the call is connected.**

i **NOTE: Alternatively touch the navigation button to begin navigation to the contacts address.**

6. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE: Any media playing will be muted while a call is in progress.**

i **NOTE: To tag a contact as a favourite touch the star icon. Touch the star icon again to remove them from your list of favourites.**

Search

1. Press the search icon from the Contacts tab.
2. Use the on-screen keyboard to enter one or more character to filter the displayed contacts.

If you enter an incorrect letter touch the backspace icon to delete it.

3. Select a contact to view all available phone numbers for that contact. Touch the required number to begin the call.

i **NOTE: The circle around the contact symbol is yellow during dialling and changes to green when the call is connected.**

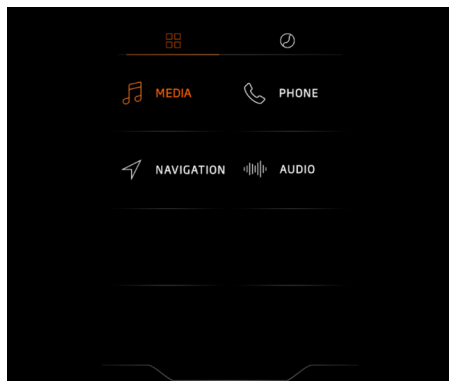
i **NOTE: Dependent on phone model, if pictures of contacts are stored on your phone they will be displayed on the screen during a call (if contacts have been synchronised with the MIS).**

4. To cancel a call while the system is dialling touch End Call or the phone button.

i **NOTE: Any media playing will be muted while a call is in progress.**

Central Display Media

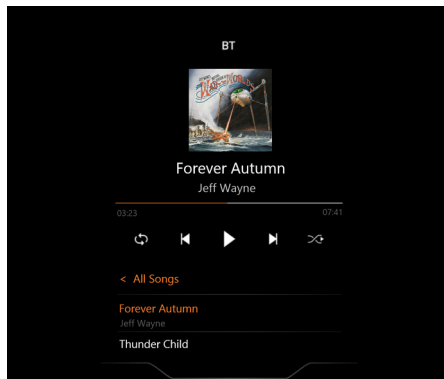
Overview



The functions of the media player can be accessed by touching the Media icon from the MIS Home screen or pressing the Media button.

Selecting Media will present the available audio sources.

Audio Sources



If music devices are connected to the USB portor via Bluetooth®, the sources will appear with their respective symbols at the top of the screen.

i NOTE: If a device is not available it will not be displayed in the list.

Supported Media Devices

For a list of current compatible media devices please contact your McLaren Retailer.

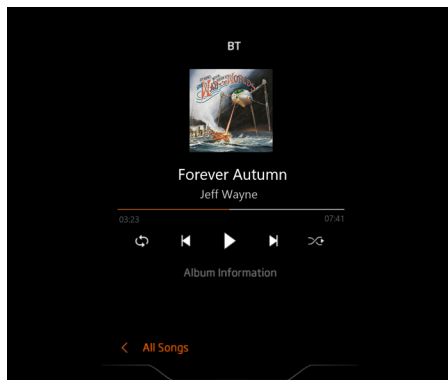
Supported Media Files

The media system can play files of the following format/encoding combinations:

- MP3
- AAC
- WMA
- OGG Vorbis
- AC3
- AMR
- FLAC
- WAV
- AIFF

Central Display Media

Media Controls



Music played from the internal storage or connected device can be controlled using the MIS touch screen.

Once music has started playing the following information is displayed on the screen:

- artist's name
- album title
- song title

If there is artwork associated with the song it will also be displayed. If no artwork is available a musical note will be displayed.

Move forward or backward through the current track by touching and holding the skip forward or skip backward icons. Alternatively, you can touch and drag the progress bar to move through the track.

A single touch of the skip forward icon will skip to the next track. A single touch of the skip backward icon will skip to the start of the current track and a second touch will skip to the previous track.

Touch the forward or backward icon to skip to the next or previous folder.

To pause a track touch the pause icon. To resume play touch the play icon. A track can also be paused or played by tapping the screen.

To randomly play through the current selection press the shuffle icon. The icon will turn amber when random is active.

To cycle through the repeat options press the repeat icon. Each press of the icon selects the next option:

- Repeat Off
- Repeat One (repeats the current track)
- Repeat All (repeats the current playlist)

The icon will turn amber when repeat one or repeat all is active.

 **NOTE: This function is not available for Bluetooth® devices.**

Central Display Media

Connecting An External Device



Open the centre console and connect the USB device as required.

Ensure that the centre console is closed before driving.

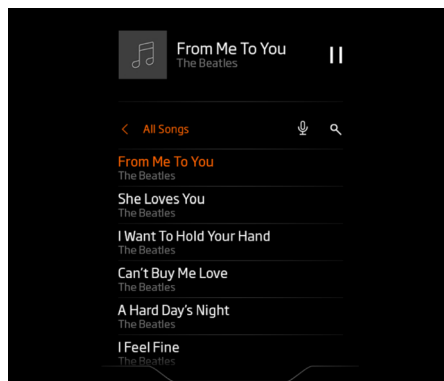
See Device Pairing, page 1.17 for details on connecting a Bluetooth® device.

USB And iPod

Connect a USB device. See Connecting An External Device, page 1.25.

From the Media screen select USB.

i **NOTE:** Any internal batteries fitted to your device will be charged through the USB port.



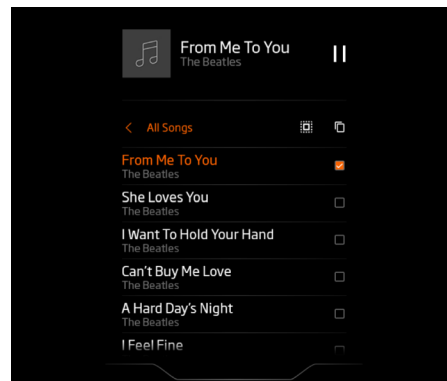
- All songs
- Artist
- Album
- Genre
- Folder

Browse to the folder or playlist you wish to listen to and select a track to begin playing.

You can also touch search 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 the select all icon to select all items in the current list.

Central Display Media

3. Touch the copy icon to copy the files selected.
4. Chose the destination folder, or touch the new folder icon to create a new folder.
5. Touch PASTE to paste the items.

Storage

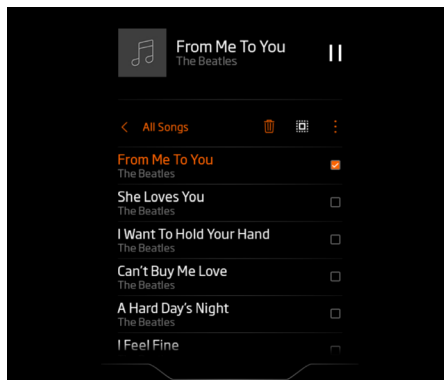
From the Media screen select Storage.

Browse to the folder or playlist you wish to listen to and select a track to begin playing.

Import Files

Files can be imported from a connected USB device. See Copy To Storage, page 1.25.

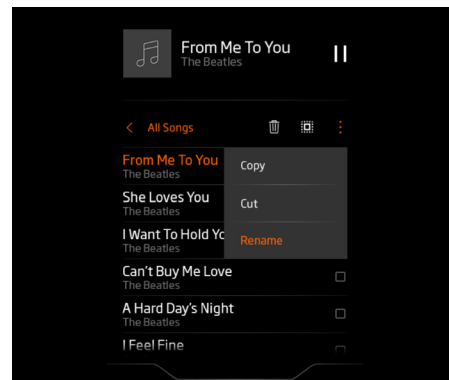
Erase Storage



1. Press and hold the track or folder you want to erase.

2. Select other tracks or folders you want to erase, or touch the select all icon to select all items in the current list.
3. Touch the delete icon to erase the selected files.
4. Confirm that you are sure you want to delete the selected items.

Rename

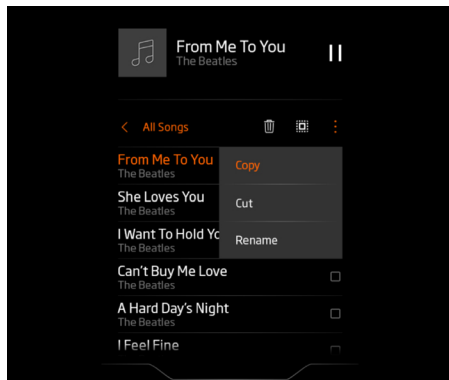


1. Press and hold the track or folder you want to rename.
2. Touch the menu icon to open the menu.
3. Select Rename and enter the new name.

Central Display Media

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 the select all icon to select all items in the current list.
3. Touch the menu icon to open the menu.
4. Select the destination folder, or touch the new folder icon 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 1.17.

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 MIS. See System Controls, page 1.3.

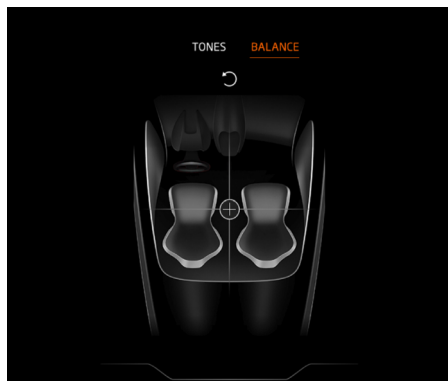
Audio volume is dependent on the output volume of the device attached and the MIS volume.

Central Display Audio

Overview

Touch the audio icon to display the audio setting screen.

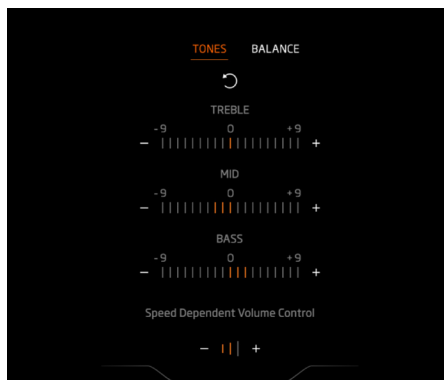
The audio settings apply to all functions of the MIS.



Swipe across the top of the screen to select from the following options:

- Tones, page 1.28.
- Balance, page 1.29.

Tones



Treble

Touch the + or - icons next to treble to achieve the desired sound reproduction quality. The range is 0 to +9 or 0 to -9 in increments of 1.

Mid

Touch the + or - icons next to mid to achieve the desired sound from the speakers. The range is 0 to L9 or 0 to R9 in increments of 1.

Bass

Touch the + or - icons next to bass to achieve the desired sound reproduction quality. The range is 0 to +9 or 0 to -9 in increments of 1.

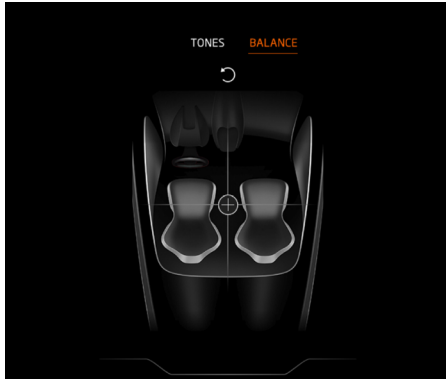
Speed Dependent Volume

This feature increases the volume setting at higher vehicle speeds to compensate for the background mechanical noise.

Repeatedly touch the icon to change between Off, 1, 2 and 3. Select the setting which offers the best sound reproduction.

Central Display Audio

Balance



Touch and drag the cross-hair to adjust the balance.

Central Display Navigation

Overview

 The navigation system uses signals from GPS satellites together with information from vehicle sensors and map data stored on the 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 MIS 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 Central Infotainment Touchscreen 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: Do not allow yourself to become distracted by the navigation system while driving. You could cause an accident. 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 determine 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

Central Display Navigation


Using Navigation

Touch the Navigation icon from the MIS Homescreen or press the Navigation button.

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 Central Infotainment Touchscreen 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 search to access the options for setting a destination. See Setting A Destination, page 1.31.

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 or move them further apart to zoom in again.

The + and - icons can also be used to zoom in and out.

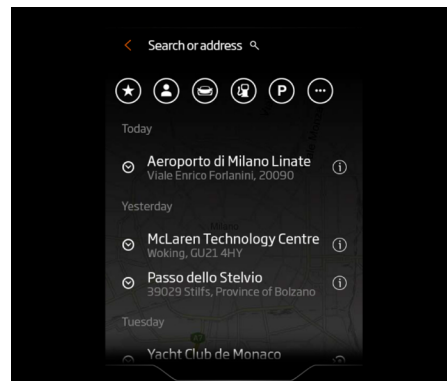
Touch up arrow to centre the screen on your current location.

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.

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.

Central Display Navigation

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 the star icon to save the destination as a favourite or Go! to begin navigation.

Central Display Apps

Apple CarPlay

If you have a compatible Apple iPhone®, you can use Apple CarPlay® through the Driver Display.

For instructions on how to use Apple CarPlay® see:

<https://support.apple.com/en-gb/HT205634>

For more information on Apple CarPlay®, see:

<https://www.apple.com/uk/ios/carplay/>

Android Auto Projection

If you have a compatible Android® phone, you can use Android Auto Projection through the Driver Display.

For instructions on how to set up Android Auto Projections see:

<https://support.google.com/androidauto/answer/6348029?hl=en-GB>

For more information on Android Auto Projection see:

https://support.google.com/androidauto/topic/6106969?hl=en-GB&ref_topic=6106809



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Comfort and Convenience

Climate Control

Overview

The system can be operated in automatic mode or settings can be adjusted manually.

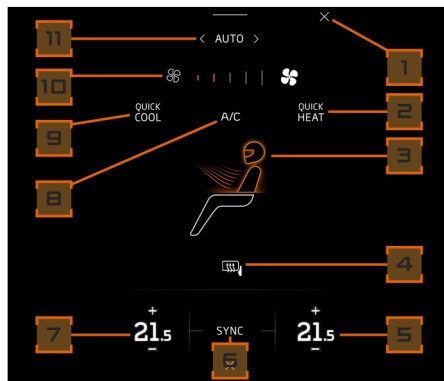
i NOTE: The climate control system does not include a pollen filter.

i 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 Central Infotainment Touchscreen. Press the fan button to switch on the climate control screen.

Climate Controls



1. Close climate control menu
2. Quick HEAT button
3. Air distribution buttons
4. Heated door mirrors
5. Temperature control - Right-hand side
6. SYNC button

7. Temperature control - Left-hand side
8. Air conditioning button
9. Quick COOL button
10. Blower speed control
11. AUTO button

Comfort and Convenience

Climate Control

Modes Of Operation

Automatic Mode

In automatic mode the climate control system maintains the set 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 the 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 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 1.3.

Manual Mode

To adjust the air temperature see Temperature Control, page 1.4.

To adjust the blower speed manually see Blower Speed Control, page 1.4.

SYNC Mode

SYNC mode allows any changes the driver makes to their air temperature settings to be mirrored automatically for the passenger's temperature setting.

Touch the on-screen SYNC button. The button illuminates and automatically implements the driver's air temperature settings to the passenger's side.

The driver can exit SYNC mode at any time by a single touch of the SYNC button. The SYNC button on the screen will then extinguish.

Comfort and Convenience

Climate Control

Temperature Control

Touch + to increase the temperature or - to decrease the temperature.

i NOTE: The temperature can be adjusted in 0.5°C (1°F) increments between 16°C and 28°C (61°F and 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.

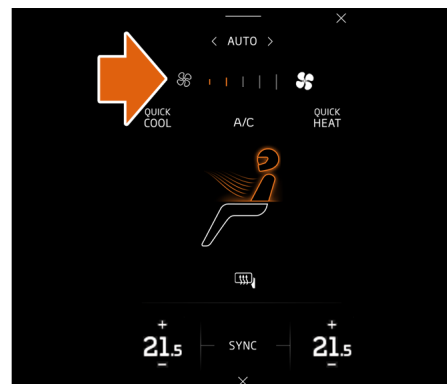
To set the temperature to minimum touch - until LOW is displayed. In AUTO mode the climate control system sets the air temperature to the lowest setting, the blower speed is set to maximum and air is directed to the centre air vents.

The temperature set will appear on the Central Infotainment Touchscreen.

To adjust the driver and passenger temperatures at the same time touch SYNC, then adjust the temperature. The temperature controls will remain synchronised until you touch SYNC again.

i NOTE: With LOW selected, it is not possible to switch off the air conditioning.

Blower Speed Control



i NOTE: When the engine is first started the blower speed is limited until the engine has warmed up.

i 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.

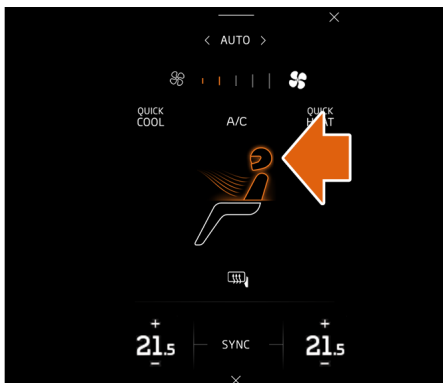
Comfort and Convenience

Climate Control

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



Air distribution can be set using the air distribution controls.

Press the middle screen area to direct air to the centre air vents or press the bottom screen area to direct air to the footwell vents.

Either or both areas can be selected at any time.

When an air distribution screen area is pressed the screen icon will illuminate.

Dashboard Air Vents



Turn a quarter turn in either direction until the vent is open or closed.

Comfort and Convenience

Climate Control

Central Dashboard Air Vent

The central dashboard air vent can be opened and closed by sliding the centre blade up or down. The direction of air flow can be adjusted by pushing the centre blade left or right.



Comfort and Convenience

Vehicle Tracking

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.

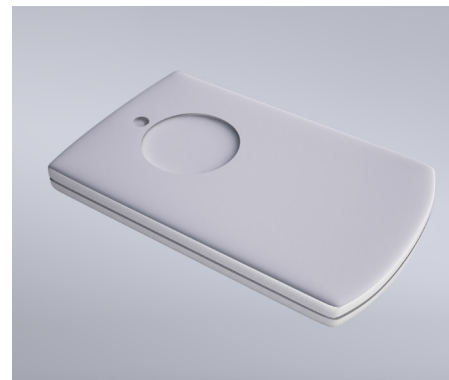
Depending on market specification you have been supplied with two unique automatic driver recognition cards or two vehicle tracking remote keys.

i NOTE: The driver must carry an automatic driver recognition card each time 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.

- i 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.
- i NOTE:** Do not leave your automatic driver recognition card or certificate of tracker installation in the vehicle.



Comfort and Convenience

Vehicle Tracking

Remote Keypad (Belgium Only)

Your keypad is used to enter and transmit a code to the vehicle tracking service to activate your tracker system.

Once you have received the code on your mobile phone follow the procedure described.

You must enter this code every time that you use your vehicle.

If you wish to add or remove a keypad, contact your McLaren retailer.



NOTE: Do not leave your remote keypad or certificate of tracker installation in the vehicle.



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.

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 must 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, first 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.

Comfort and Convenience

Vehicle Tracking

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.**

Comfort and Convenience

Vehicle Tracking

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 or 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
- +44 (0)161 924 5404 from outside the UK

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.**

Comfort and Convenience

Interior Features

Interior Lighting

Driver Display

To make it easy to read the driver display changes colour according to the ambient light conditions outside the car.

In daylight or bright light conditions, the driver display is dark text on a light background.

In darkness or low light conditions (e.g. tunnels), the driver display is white text on a dark background.

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 1.11.

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 1.11.

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 switched off.

Every additional pull on the direction indicator stalk while 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. The exit lighting 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.

Comfort and Convenience

Interior Features

Stowage Compartments

Centre Console Stowage Compartment

A compartment is fitted in the centre console for storing small items. The centre console also contains a cup holder for safe convenient storage of closed drink containers when on a journey.

Depress the release button on the underside of the lid and lift to open. To close, push the lid down firmly until it is latched securely.

NOTE: When the vehicle is locked or Valet Mode is on the stowage compartment will be locked and the release button disabled.

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.

WARNING: Drinking while the vehicle is moving could cause you to become distracted which could lead to an accident.



The USB and a 3.5mm auxiliary audio input sockets are located in the stowage compartment. See Connecting An External Device, page 1.25.

Rocker Storage



Rocker storage boxes are fitted in both footwells next to the doors. They can be used for storing small items.

To open a rocker storage box, pull the leather tab.

The rocker stowage box is secured by a magnet. To close a rocker storage box, push the lid into position until it is held securely.

Comfort and Convenience

Interior Features

⚠ WARNING: The rocker storage boxes must be closed when items are stored in them. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

i NOTE: Always close the rocker storage boxes when leaving the vehicle, or the interior motion sensor (if fitted) will not function.

Helmet Stowage

Your McLaren comes supplied with two helmets.

Tonneau Compartment

One helmet can be stored in the helmet stowage area in the tonneau compartment.



To avoid damage to the helmet, it must be stored in the helmet bag before being placed in the helmet stowage area. The base of the helmet must be placed on the floor of the helmet stowage area with the visor facing forwards.

When not in use, the helmet bag can be stored in the tonneau compartment.

Passenger Footwell

The passenger footwell stowage bag can be attached to the passenger seat to allow a second helmet to be carried safely. You can use the combination lock to lock the helmet to the passenger seat.

The passenger footwell stowage bag must not be used when an occupant is in the seat.

⚠ WARNING: Do not carry unsecured objects in the cockpit. Occupants could be injured by objects being thrown around during sharp braking, a sudden change of direction or an accident.

Comfort and Convenience

Interior Features

USB Socket

Media USB Socket



A USB socket is located inside the centre console stowage compartment.

The USB socket can be used to connect USB flash drives, iPods and other compatible MP3 players.

This socket can also be used to charge compatible mobile phones or media devices.



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Maintaining Your McLaren Fluid Topping Up

Engine Oil



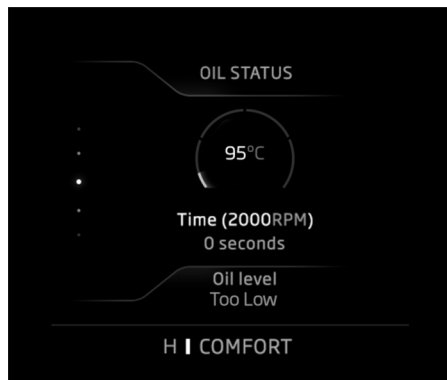
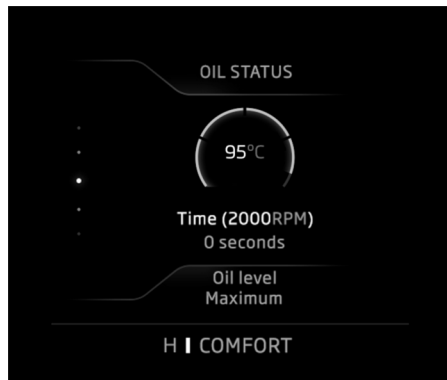
It is normal for your engine to consume oil and the rate of consumption will vary with many factors. The oil consumption may be higher when the vehicle is new or if you frequently drive at high engine speeds.

It is important to follow the service schedule for oil and filter changes and to regularly check the level of your oil in between services.

You will only be able to estimate the oil consumption after the vehicle has been driven for several thousand miles or kilometres.

i 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.

Checking The Engine Oil



1. Ensure the following conditions are met:

- Vehicle is stationary and positioned on a level surface
- Neutral gear is selected and the foot brake applied (use left foot)

i 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 1.7.
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).

i 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.

i NOTE: The line on the display indicates the maximum oil level for 19 seconds after the oil level is read.

Maintaining Your McLaren Fluid Topping Up

i **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.

5. To end the oil level check release the throttle pedal and return to the Vehicle info menu by moving the menu stalk back.

If the engine oil is below the target level stop the engine and top up the oil in accordance with the following procedure.

Topping Up The Engine Oil

⚠ **WARNING:** If the engine is stopped due to the Eco Start-Stop System be aware that the engine may restart without warning.

⚠ **WARNING:** The engine must be switched off before carrying out the engine oil top up process.

⚠ **WARNING:** Do not put more than 8 litres into the oil system. If you have put 8 litres of oil into the vehicle and the oil status on the Driver Display still displays low oil level, contact your McLaren retailer immediately.

⚠ **WARNING:** When topping up do not pour the oil too fast or choke the oil fill tube.

⚠ **WARNING:** The oil filler cap must be fitted correctly.

🌿 **ENVIRONMENTAL:** When topping up take care not to spill any oil. Oil must not be allowed to escape into the soil or waterways.



1. Open the tonneau cover. See Tonneau Cover, page 1.8.
2. Unscrew the engine oil filler cap.
3. Top up with the correct quantity of engine oil. Refer to Top Up Quantity, page 1.5 and Engine Oil Specification, page 1.8.
4. Wait two minutes to allow the oil to flow from the filler tube into the tank. This will ensure an accurate oil level reading.
5. Check the Driver Display to ensure the oil level is correct.

Maintaining Your McLaren

Fluid Topping Up

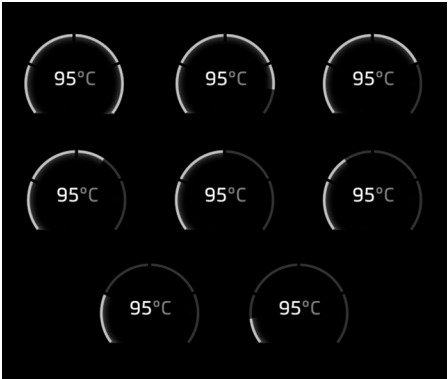
i **NOTE:** If you have inadvertently overfilled the engine with oil you must have the excess removed at your McLaren retailer. The engine or the catalytic converter could be damaged.

6. Refit the engine oil filler cap.

i **NOTE:** Ensure the oil filler cap is refitted correctly.

7. Close the tonneau cover. See Tonneau Cover, page 1.8.

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 and 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
1½ - OK	0 litre
2 - OK	0 litre
2½ - OK	0 litre
3 - OK	0 litre
3½ - 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.

Gearbox Oil Level

If you experience oil loss or problems with gear shifts have the gearbox checked by your McLaren retailer.

i **NOTE:** The clutch and gearbox oil has mileage-related service intervals. This maintenance can only be carried out by your McLaren retailer.

Maintaining Your McLaren

Fluid Topping Up

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: If the engine is stopped due to the Eco Start-Stop System be aware that the engine may restart without warning.

WARNING: The engine must be switched off before carrying out the coolant level check and top up process.

NOTE: The coolant filler valve is located in the tonneau compartment behind the right-hand seat.

ENVIRONMENTAL: When topping up take care not to spill any coolant. Coolant must not be allowed to escape into the soil or waterways.



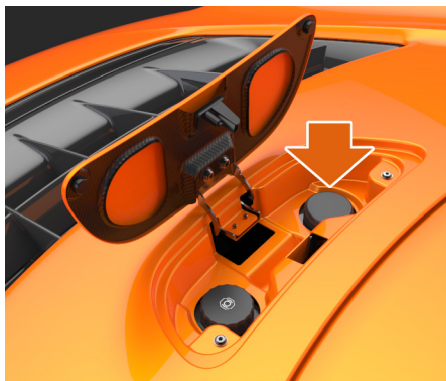
1. Open the tonneau cover. See Tonneau Cover, page 1.8.

2. Slowly unscrew the cap by half a turn anti-clockwise and allow excess pressure to escape.
 3. Unscrew the cap fully and remove it.
 4. Check the level of coolant. The coolant level is correct when it is at the top of the + marker.
 5. Top up the coolant if necessary. See Coolant, page 1.9.
 6. Replace the cap by turning it clockwise to the stop.
- NOTE:** Ensure the cap is refitted securely.
7. Close the tonneau cover. See Tonneau Cover, page 1.8.

Maintaining Your McLaren

Fluid Topping Up

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.

⚠ WARNING: The vehicle must not be in vehicle lift mode when you check the power steering fluid level.

🌿 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.

Checking Fluid Level

1. Switch the ignition on and start the engine.
2. Check that the vehicle lift icon is not illuminated on the Driver Display. See Vehicle Lift, page 1.36.
3. Select Comfort handling mode. See Handling Control, page 1.22.
4. Allow the engine to idle for 20 seconds before checking the fluid level.
5. Open the service cover. See Service Cover, page 1.9.
6. Unscrew the cap anti-clockwise and remove it.
7. Measure the distance inside the reservoir down to the fluid level. The maximum fill level is 50 mm and the minimum fill level is 55 mm from the top of the filler neck.
8. Top up if necessary using only Pentosin CHF202 power steering fluid. Contact your McLaren retailer.

9. Replace the cap.







📘 NOTE: Ensure the cap is refitted securely.

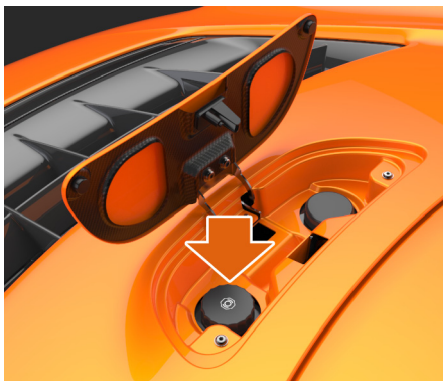
10. Close the service cover. See Service Cover, page 1.9.

Maintaining Your McLaren

Fluid Topping Up


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 airtight 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.
-  **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.




Checking Fluid Level

1. Open the service cover. See Service Cover, page 1.9.
2. Unscrew the cap anti-clockwise and remove it.
3. Check the level of the brake fluid. The brake fluid is correct if the level just covers the base of the filter in the filler neck.
4. Top up if necessary using only new brake fluid. See Brake Fluid, page 1.10.
5. Replace the cap.

-  **NOTE:** Ensure the cap is refitted securely.
- 6. Close the service cover. See Service Cover, page 1.9.

Maintaining Your McLaren Emergency Equipment

Emergency Equipment

 **WARNING:** Always ensure the emergency equipment supplied is used in the proper manner and for the purpose for which it was designed. Always use the emergency equipment in a safe and responsible manner and be aware of other road users.



The emergency equipment is stored in the tonneau compartment.

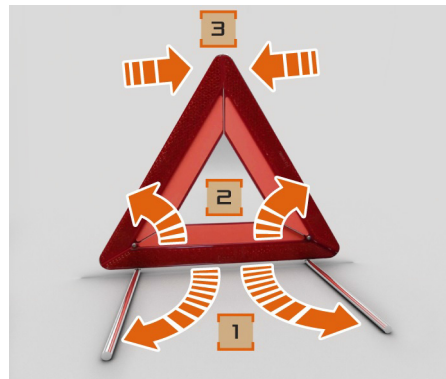
For information about accessing the tonneau compartment see Tonneau Cover, page 1.8.

Warning Triangle



The warning triangle (1) is stored in a red case in the tonneau compartment. Release the two straps to remove the warning triangle.

Setting Up The Warning Triangle



1. Fold the legs (1) sideways from the bottom.
2. Pull side reflectors (2) upwards to form a triangle.
3. Lock them at the top using the press-stud (3).
4. Place the warning triangle at an appropriate distance from the vehicle to warn other traffic of a breakdown.

Maintaining Your McLaren Emergency Equipment

First Aid Kit



The first aid kit (2) is stored in the tonneau compartment.

i **NOTE:** Check the expiry dates of the first aid kit materials every 12 months and replace them if necessary.

Tyre Sealant



The tyre sealant (3) is stored in the tonneau 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 1.24.

i **NOTE:** Check the expiry date of the tyre sealant every 12 months and replace if necessary.

Towing Eye



The towing eye (4) is stored in the tonneau compartment.

i **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 1.33.

Maintaining Your McLaren Emergency Equipment

Fuel Funnel



The fuel funnel (5) is stored in the tonneau compartment.

i **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 1.44.

Fire Extinguisher



The fire extinguisher is stored in the tonneau compartment.

Release the retaining strap and remove the fire extinguisher.

To operate the fire extinguisher, follow the manufacturer's instructions on the side of the fire extinguisher.

i **NOTE:** The fire extinguisher must be checked every 12 months or it may fail in an emergency. Once the extinguisher has been used it must be replaced as soon as possible.

Maintaining Your McLaren

Battery Care and Maintenance

Battery Safety

Please refer to your nearest McLaren retailer.

⚠ WARNING: Your McLaren is fitted with a lithium-ion battery. Only a lithium-ion battery charger can be used on this type of battery. Contact your McLaren retailer for more information.

⚠ WARNING: The 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: Leave a suitable lithium-ion battery charger connected to the lithium-ion battery and switched on during periods when your vehicle is not in regular use. This will help maintain and prolong the life of the battery.

⚠ WARNING: Before use check that all cables are in good condition. Do not use cables that are damaged. Ensure that all cables are kept away from sharp edges, are not pinched or trapped and are not close to hot surfaces or water.

⚠ WARNING: Never charge a damaged battery. The battery must only be charged in a well ventilated area. The charger must never be covered or placed on the battery.

⚠ WARNING: Do not place any metal objects on a battery. You could cause a short circuit and the battery could ignite.

Keep the charger out of reach of children at all times.

Charging The Battery

i NOTE: To maintain your lithium-ion battery in optimum condition always leave the McLaren supplied battery charger connected to the battery and switched on during periods when your vehicle is not in regular use.

i NOTE: Do not connect the battery charger to the interior accessory socket.







Refer to the instructions supplied with the battery charger. The charger connects to the accessory socket.

Maintaining Your McLaren

Fuses

Fuse Replacement

-  **WARNING:** Fuses protect the vehicle's electrical systems. The failure of any fuse will render the system it protects inoperative.
-  **WARNING:** Always use replacement fuses of the same rating and type. Incorrect fuse ratings can overload a system and cause a fire or malfunction.
-  **WARNING:** 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.

There are three fuse boxes fitted to your McLaren.

Fuse Box	Location
Secondary fuse box	Below the dashboard on the passenger's side.
Battery fuse box	On top of the battery.

Fuse Box	Location
Main fuse box	Behind a panel in the rear bulkhead, behind the left-hand seat.

Main Fuse Box

Main Fuse Box Fuse Specification Chart

No.	Amps	Circuit protected
F1	50	Right-Hand Secondary Air Pump
F2	50	Left-Hand Secondary Air Pump
F3	-	-
F4	-	-
F5	30	Transmission Control Unit
F6	30	Transmission Control Unit
F7	30	Starter
F8	-	-
F9	-	-
F10	-	-
F11	-	-
F12	20	Evac Pump
F13	5	Engine Control Module
F14	5	Permanent Battery
F15	10	Relays

Maintaining Your McLaren

Fuses

No.	Amps	Circuit protected
F16	-	-
F17	3	Door Locking Switch
F18	50	ECU Main Relay Control
F19	30	Fuel Relay
F20	-	-
F21	-	-
F22	30	Fuel Relay
F23	5	Tilt Sensor
F24	10	Infotainment Control Unit
F25	10	Driver's/Passenger's Door Latch
F26	7.5	Auxiliary USB Board
F27	2	Infotainment Control Unit
F28	-	-
F29	-	-
F30	-	-
F31	60	Cooling Fan Left-Hand
F32	60	Cooling Fan Right-Hand
F33	-	-
F34	-	-

No.	Amps	Circuit protected
F35	-	-
F36	20	Battery Relay
F37	15	Canister Purge, Lambda Sensors, Cooling Fan Relay Coil
F38	15	Fuel Injection and Ignition - Left-Hand Bank
F39	15	Fuel Injection and Ignition - Right-Hand Bank
F40	10	Engine Ancillaries
R41	-	Evac Pump
R42	-	-
R43	-	-
R44	-	-
F45	10	Electrical Thermostats, Camshaft Actuators
F46	3	Output Shaft Speed, Even Gear Shaft Speed
F47	3	Input Shaft Speed, Odd Gear Shaft Speed
F48	20	ESIB
F49	5	Starter

No.	Amps	Circuit protected
R50	-	-
R51	-	-
R52	-	Fuel Pump Relay
R53	-	Transmission Control Unit
R54	-	Transmission Control Unit
R55	-	Starter
R56	-	Secondary Air Pump RH
R57	-	-
R58	-	ECU Main relay Feed

Maintaining Your McLaren

Fuses

Secondary Fuse Box

Secondary Fuse Box Fuse Specification Chart

No.	Amps	Circuit protected
F1	20	Driver's door
F2	7.5	Passenger's door
F3	25	Lights
F4	30	LEDs
F5	35	Body
F6	30	Body
F7	30	Alarm
F8	-	-
F9	-	-
F10	-	-
F11	-	-
F12	-	-
F13	-	-
F14	5	Transmission Control Unit
F15	10	Air Conditioning

No.	Amps	Circuit protected
F16	3	Alarm Control Unit
F17	3	Tracker
F18	7.5	Alarm
F19	5	Central Display
F20	3	Transmission Control Unit Relays
F21	15	Display Control Unit
F22	-	-
F23	7.5	Driver Display
F24	10	Development Connector
F25	10	OBD2 Diagnostics
F26	-	-
F27	-	-
F28	-	-
R29	-	Transmission Control Unit
R30	-	Transmission Control Unit

Battery Fuse Box

Battery Fuse Box Access
Contact your McLaren Retailer.

Maintaining Your McLaren Lighting

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 lamps yourself as you could damage the vehicle lighting systems. In case of failure contact your McLaren retailer.**

Maintaining Your McLaren

Manual Unlocking and Opening

Starting The Vehicle



If the key fob battery has become discharged and the engine will not start:

1. Open the centre console stowage compartment.
2. Place the key fob in the centre console stowage compartment against the front wall.

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 1.18.

Door Opening From Inside - Discharged Battery



To release a door from inside press the manual door release button. The door latch will then release allowing the door to be partially raised before it automatically swings outwards and upwards.

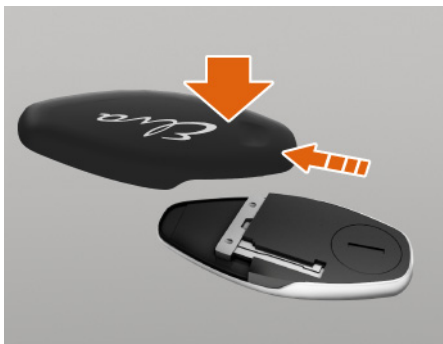
i NOTE: Only use this button when the battery has become discharged.

Maintaining Your McLaren Manual Unlocking and Opening

Opening the Tonneau Cover - Discharged Battery

The tonneau cover manual release is located in the service cover behind the left-hand seat.

Replacing Key Fob Battery




1. Push against the thumb indent and slide the back cover away from the key fob.
 2. Unscrew the battery cover and remove the discharged battery.
 3. Install a new battery, ensuring that the polarity is correct.
- i 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.

Maintaining Your McLaren

Wheels and Tyres

Wheels And Tyres

-  **WARNING:** Have worn tyres replaced in axle pairs and ensure the tyres are fitted as specified. With worn tyres or different level of wear between front and rear axles the driving stability of the vehicle may be adversely affected.


If you have had new tyres fitted consult your McLaren retailer for information on the appropriate bedding-in time based on your driving style.


- Avoid high speed cornering and excess speed with new tyres
- 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


- Operating, storage, driving, load, vehicle dynamics and external conditions such as temperature and/or ultraviolet light may affect tyre service life. Please have your McLaren dealer or a tyre service professional conduct a complete inspection of your demounted tyres if you are experiencing ride disturbance or have questions about the condition of your tyres. McLaren recommends that tyres are replaced every 6 years, or sooner if required


McLaren recommend that you only use Pirelli summer tyres. See Wheel And Tyre Sizes, page 1.7. 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.

-  **WARNING:** Tyres other than those which have been recommended by McLaren may be not be legally permitted for this car (homologated maximum speed).



-  **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.

-  **WARNING:** When driving with a load or when using snow traction devices, tyres other than those which have been recommended by McLaren could cause contact between the bodywork and axle components. This could result in damage to the tyres or the vehicle.



-  **NOTE:** Retreaded tyres must not be used.

-  **NOTE:** Do not fit used tyres if you have no information about their previous usage.

Maintaining Your McLaren Wheels and Tyres

-  **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.

Storing Tyres



-  **NOTE:** Store tyres in a cool, dry place, preferably in the dark. Protect the tyres from oil, grease and petrol.
-  **WARNING:** Driving on a tyre which has been improperly stored is dangerous because the tyre can suddenly fail which can lead to an accident and serious personal injury or death.

If you need to store tyres they should be stored indoors in a cool, dry place. Tyre storage areas should be cool (45° F to 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 recommended that you place them in opaque, waterproof containers (e.g. plastic trash bags). It is vital that the tyres do not come into contact with sources of heat and/or ozone (e.g. radiators, electric generators/ motors, hot pipes, etc.).

Tyres should never be allowed to stand in or come into contact with water, grease, fuels, brake fluid or any other chemicals.

Tyre Markings

-  **WARNING:** Only tyres recommended by McLaren and bearing the MC mark on the sidewall should be fitted to the vehicle. Fitting a non-McLaren recommended tyre can lead to an accident and serious personal injury or death. Contact your McLaren retailer regarding replacement tyres.
-  **WARNING:** If the tyre does not have the McLaren Mark on the sidewall it is not suitable for your vehicle even if it is a Pirelli branded tyre.

Maintaining Your McLaren Wheels and Tyres



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 615 kg (1,350 lbs) and (Y) indicates speeds OVER 186 mph (300 km/h).

WARNING: If there are no brackets around the Y, it means **DO NOT EXCEED 186 mph**.

WARNING: Not all the tyres marked (Y) are homologated for the actual maximum vehicle speed. Only McLaren recommended tyres are guaranteed.

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.

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.

Maintaining Your McLaren Wheels and Tyres

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. See Wheel And Tyre Sizes, page 1.7.

 **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


Check the tyres at least every 7 days for cuts, punctures, tears, bumps, deformation and cracks. Check the 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. This produces 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. To avoid damage to the sensor the tyres must be replaced using the correct procedure.

 **WARNING:** Summer and UHP 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 of the tyres. In wet or icy conditions 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 if necessary. See Tyre Pressures, page 1.7.

All wheels must have a valve cap fitted to protect the valve against dirt and moisture.

Maintaining Your McLaren Wheels and Tyres

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 to avoid damage to the tyres.

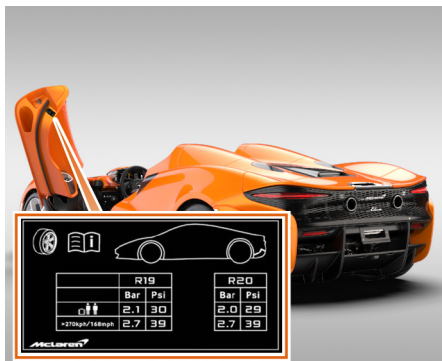
While driving, pay attention to vibrations, noises and unusual handling characteristics (e.g. pulling to one side). This may indicate that the tyres or wheels are damaged. If you experience anything unusual reduce your speed and stop the vehicle as soon as safety permits to check the tyres and wheels for damage. If you find no signs of damage have the tyres and wheels 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 safety and performance. 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 and check the valve for air leaks.



For the tyre pressures for various operating conditions see Tyre Pressures, page 1.7. The tyre pressures can be found on a label in the location shown above.



NOTE: In some markets the tyre pressure label is attached to the base of the driver's side door.

If the vehicle is to be driven at high speeds the tyre pressure must be checked and if necessary adjusted.

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 (e.g. by causing aquaplaning)



ENVIRONMENTAL: Check tyre pressures at least every 7 days.

Maintaining Your McLaren Wheels and Tyres

Deflated Tyre

Your McLaren is equipped with a container of tyre sealant which is located in the tonneau compartment.


In the event of a puncture follow the steps below to ensure your safety and the safety of other vehicle occupants and other road users.

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 1.34.
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 1.9.

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 of the tyre


Contact your McLaren retailer immediately


Remove the tyre sealant from the tonneau compartment and follow the instructions on the container.

 **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 80 km/h and a maximum distance of 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:** If the tyre sealant comes into contact with your eyes or skin immediately rinse thoroughly with clean water and 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.

 **WARNING:** 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.

 **WARNING:** Do not inhale tyre sealant fumes.

Maintaining Your McLaren Wheels and Tyres




NOTE: After using tyre sealant the tyre valve, incorporating the tyre pressure monitoring system sensor, will have to be replaced.


Maintaining Your McLaren

Vehicle Care

Looking After Your McLaren

 **WARNING:** Ensure that water does not enter the vehicle interior.


It is recommended that you only use your McLaren in good weather conditions. Ensure that rain, spray or moisture does not enter the vehicle interior. Loose water can damage the fabrics and surfaces of the vehicle interior.

 **NOTE:** If water gets into the vehicle interior clean it as soon as possible. See Cleaning The Interior, page 1.29.

McLaren recommend that the vehicle is covered if it is to be left in storage for periods over two weeks. See Car Covers, page 1.30.

Washing Your McLaren

 **WARNING:** Your McLaren is not suitable for mechanical car washes.

 **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. Avoid direct spray on engine cover vents or the vehicle interior.


 **WARNING:** Ensure that water does not enter the vehicle interior.

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 highest part of the vehicle down, wash the vehicle. Use a lambswool wash mitt rather than a sponge and use minimal quantities of water, paying particular attention to areas where dirt can accumulate. Use one wash mitt for the top of the vehicle (tonneau cover and areas above the wheel arch line) and a separate mitt for areas below the wheel arch line.

 **WARNING:** Ensure that water does not enter the vehicle interior.

 **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.


Maintaining Your McLaren Vehicle Care

5. Once the vehicle is clean work from the highest part of the vehicle down and rinse thoroughly using a hose pipe held at a shallow angle. Avoid direct spray on engine cover vents or the vehicle interior.


 **WARNING:** Ensure that water does not enter the vehicle interior.

6. Dry the vehicle using a chamois leather or drying towel.

 **NOTE:** If water gets into the engine bay drive the vehicle and warm the engine to operating temperature to dry off any excessive water from the engine.

 **NOTE:** If water gets into the vehicle interior clean it as soon as possible. See Cleaning The Interior, page 1.29.

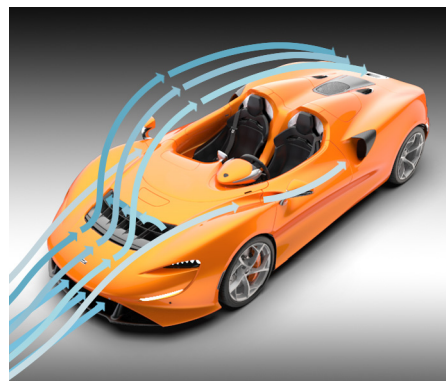
Washing the Active Air Management System

 **NOTE:** Wash the AAMS frequently. Do not allow dirt to become ingrained in the deflector mechanism.

Wash the air intake and the front clam using warm water and a cloth or wash mitt. Dry the air intake and the front clam using a chamois leather or drying towel

The AAMS can be deployed for cleaning.

To enter cleaning mode press and hold the AAMS button until the front aero blade moves into position. If the AAMS button is released before the front aero blade has finished moving it will return to the previous position. The front aero blade movement will have finished when "AAMS Cleaning mode engaged" is shown on the driver display.



If the vehicle is driven while in cleaning mode, the AAMS can be switched off with a short press on the AAMS button.

If the vehicle is driven at speeds of 32 kph (20 mph) or greater while in cleaning mode, the AAMS will be switched off automatically.

 **NOTE:** Do not drive with the front aero blade manually raised.

Maintaining Your McLaren Vehicle Care

Washing The Wheels

- i 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.

- i NOTE: Never apply polish to satin finish wheels. This will result in localised glossy patches on the surface of the wheel.**
- i NOTE: Do not use acid-based wheel cleaners as these can damage the wheel rim finish leading to corrosion.**
- i NOTE: Ensure the brakes are fully dried after the wheels have been cleaned before the vehicle is stored.**

Washing The Mirrors

Regularly clean the mirrors using a window cleaning solution. Do not use abrasive cleaning compounds as mirror glass is particularly susceptible to damage.

Cleaning The Underbody

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.

- i 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 paintwork for damage. Any stone chips or deep scratches should be repaired as soon as possible. Contact your McLaren retailer for advice.

Maintaining Your McLaren Vehicle Care

Cleaning The Interior

i **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.

Do not polish the upper surfaces of the dashboard. Polished surfaces are reflective and can interfere with the driver's view.

Clean with diluted upholstery cleaner then wipe with a damp cloth.

Interior painted surfaces

Clean painted surfaces with a damp cloth. Do not use abrasive cleaning products or polish. Any deep scratches should be repaired as soon as possible. Contact your McLaren retailer for advice.

i **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.**

Soft Grain 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.

Nubuck Leather

To clean surface dirt and marks from Nubuck leather, gently brush or wipe off (without rubbing) using a clean & soft brush or dry white cloth.

i **NOTE: Do not use any soap solutions or cleaning fluid of any type as these would eventually soak into the Nubuck leather and stain it.**

To clean heavier, more ingrained dirt and marks from Nubuck leather, use a professional leather cleaning service.

Some colours of Nubuck leather may show differing signs of UV ageing dependent on vehicle usage and exposure to sunlight. Due to the characteristic of Nubuck leather as a natural dyed material, non-coated leather, initial use of the vehicle could cause a level of dye transfer from the Nubuck leather to clothing.

Enhanced Full Aniline Leather

To clean surface dirt and marks from Enhanced Full Aniline leather, gently brush or wipe off (without rubbing) using a clean & soft brush or dry white cloth.

i **NOTE: Do not use any soap solutions or cleaning fluid of any type as these would eventually soak into the Enhanced Full Aniline leather and stain it.**

To clean heavier, more ingrained dirt and marks from Enhanced Full Aniline leather, use a professional leather cleaning service.

Maintaining Your McLaren Vehicle Care

Carbon Fibre

Before cleaning visible carbon fibre always test the cleaning solution on a concealed area. Clean with a proprietary matt dashboard cleaner. Contact your McLaren retailer for more information. Do not use abrasive cleaning products or polish.

Ultrafabrics®

Dust the Ultrafabrics® material with care. Moisten a soft cloth or a sponge with water, wring it thoroughly and run it over the whole surface making sure not to wet it excessively. Rinse the cloth or sponge and repeat as necessary.

Alcantara®

Dust the Alcantara® material with care. Moisten a soft cloth or a sponge with water, wring it thoroughly and run it over the whole surface making 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 brush it delicately with a soft bristle brush to restore the material.

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 and Central Infotainment Touchscreen using a damp cloth. Do not use abrasive cleaning products or polish.

Car Covers

A car cover suitable for use inside a garage is provided with your McLaren.

An emergency cover suitable to protect the cabin is also provided with your McLaren.

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 and ensure that it has fully dried prior to fitting the cover.

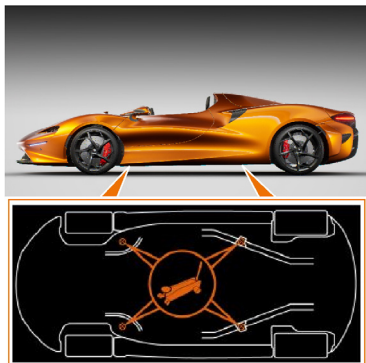


NOTE: Allow the engine to cool before fitting the cover or the hot exhaust pipes could cause damage to the cover.

Maintaining Your McLaren

Raising the Vehicle

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.

i **NOTE:** Lifting the vehicle at any other points will damage the vehicle.

i **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.

Maintaining Your McLaren

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 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.

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.

Maintaining Your McLaren

McLaren Assistance

Towing For Recovery

Your McLaren is equipped with a front towing eye mounting only.

i **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.

i **NOTE:** Do not use a rigid bar to tow the vehicle.

Towing Eye And Mounting



1. Get the towing eye from the tonneau compartment.

2. Remove the cover from the towing eye mounting in the front bumper.

3. Screw the towing eye clockwise into the mounting hole. Ensure that it is screwed in to the full extent of the thread.

i **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.

i **NOTE:** A winch cable/strap must be secured to the towing eye only or the vehicle could be damaged.

4. Remove the towing eye. Stow it in the tonneau compartment and refit the cover to the towing eye mounting as soon as the vehicle has been recovered.


Maintaining Your McLaren Driving Abroad

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.

Only low-octane fuel is available in certain countries. For further information about fuel grades, see Recommended Fuel, page 1.45.

 **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.



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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, page 1.3.

Vehicle Data and Glossary

Vehicle Identification

Vehicle Identification Number



The Vehicle Identification Number (VIN) can be found:

- engraved on the body on the driver's side above the door
- stamped on a plate at the base of the driver's side door aperture
- in the Vehicle info section on the Driver Display

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

Vehicle Data and Glossary

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)

i **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.**

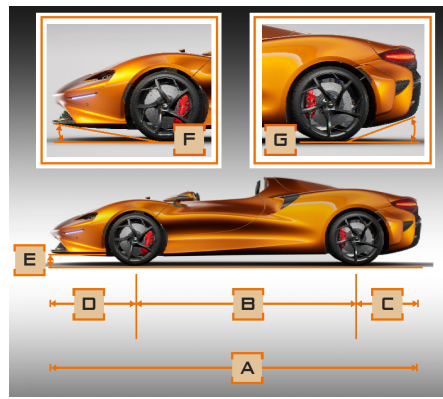
Engine

Engine specification	
Rated output (kW) @rpm	537 @ 7,500
Rated output (PS) @rpm	620 @ 7,500
Rated torque (Nm) @rpm	630 @ 5,500
Rated torque (lb-ft) @rpm	464 @ 5,500
Number of cylinders	8
Displacement cm ³	3,994
Maximum engine speed (rpm)	8,500
Power to weight ratio (PS/tonne)	425

Vehicle Data and Glossary

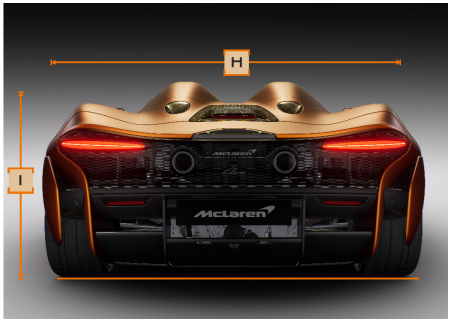
Data

Vehicle Dimensions



A	Vehicle length	4,611mm (15 ft 2 in)
B	Wheelbase	2,670mm (8 ft 9 in)
C	Rear overhang	848mm (2 ft 10 in)
D	Front overhang	1,093mm (3 ft 7 in)

E	Ground clearance (normal)	112mm (4 in)
	Ground clearance (vehicle lift)	117mm (5 in)
F	Approach angle (normal)	8.1°
	Approach angle (vehicle lift)	10.3°
G	Departure angle (normal)	13.4°
	Departure angle (vehicle lift)	12.7°



H	Vehicle width (doors closed)	2,125mm (6 ft 10 in)
I	Vehicle height (doors closed, normal)	1,088mm (3 ft 8 in)
	Vehicle height (doors closed, vehicle lift)	1,205mm (4 ft)
	Vehicle height (doors closed, tonneau cover open)	1,579mm (5 ft 2 in)

Vehicle Data and Glossary

Data



J	Vehicle width (doors open at widest point)	3,060mm (10 ft)
K	Vehicle height (doors open)	1,823mm (5 ft 10 in)

 **NOTE:** All dimensions are approximate.

Vehicle Weights

Weight	kg (lbs)
Dry weight	1,461 (3,220)
Unladen weight (all fluids and 90% fuel)	1,527 (3,366)
Kerb weight (plus 75 kg driver)	1,602 (3,531)
Kerb weight distribution - front axle	673 (1,484)
Kerb weight distribution - rear axle	929 (2,048)
Maximum gross vehicle weight (GVW)	1,796 (3,959)
Maximum gross vehicle weight distribution - front axle	783 (1,726)
Maximum gross vehicle weight distribution - rear axle	1013 (2,232)

Weight	kg (lbs)
Maximum load - tonneau compartment	26 (57)

Vehicle Data and Glossary Data

Wheel And Tyre Sizes

Wheel Sizes

Front wheels	19x9J ET41.65 FH2
Rear wheels	20x11J ET24.75 FH2

Summer Tyres

Front tyres	
Pirelli P Zero™ (MC) PNCS	245/35Z R19 (93Y)
Pirelli P Zero Corsa™ (MC) PNCS	245/35Z R19 (93Y)

Rear tyres	
Pirelli P Zero™ (MC) PNCS	305/30Z R20 (103Y)
Pirelli P Zero Corsa™ (MC) PNCS	305/30Z R20 (103Y)

Turning Circle

Turning circle kerb-to-kerb	12.1m (39 ft 8 in)
Turning circle wall-to-wall	12.6m (41 ft 4 in)

Tyre Pressures

ROAD USE: Cold inflation pressure	0 - 270 km/h	270km/h - max speed
Pirelli P Zero™	2.1 bar (front) 2.0 bar (rear)	2.7 bar (front and rear)
Pirelli P Zero Corsa™	2.1 bar (front) 2.0 bar (rear)	2.7 bar (front and rear)

i **NOTE:** In some markets, the tyre pressure label is attached to the base of the driver's side door aperture.

Vehicle Data and Glossary


Service Products, Fluids and Capacities


Service Products

Service products are:

- fuel
- engine oil
- coolant
- 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.

 **WARNING:** 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




Engine oil capacity	8.0 litres
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 **NOTE:** McLaren recommend only Mobil 10W-40 ESP x3 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 1.45.

Fuel Tank

Total capacity	72 litres (15.8 UK gal.)
Capacity remaining when low level lamp illuminates	11 litres (2.4 UK gal.)

Vehicle Data and Glossary

Service Products, Fluids and Capacities

Coolant

Cooling system capacity	25.2 litres (5.5 UK gal.)
Antifreeze/corrosion inhibitor	Mobil Extra Antifreeze
Antifreeze quantity for protection to -20°C (-4°F)	12.6 litres (2.8 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

i **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 efficiency of the cooling system will be reduced.**

i **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. Contact your McLaren Retailer immediately.

Power Steering Fluid

Only use Pentosin CHF202 power steering fluid.

Vehicle Data and Glossary

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.

Vehicle Data and Glossary

Technical Glossary

Technical Glossary

Active Aero

The active aero system is an active rear spoiler which also acts as an air brake to provide downforce to assist with control of the vehicle.

Active Air Management System (AAMS)

The McLaren Active Air Management System (AAMS) channels air through a duct in the nose of the vehicle to create a plume of air over the cabin, protecting the occupants from oncoming airflow.

Airflow is directed either side of the cockpit and over the rear of the vehicle to provide downforce.

The front clamshell is a major part of the aerodynamics package of the car. While it is an integral part of the AAMS it also features two air intakes at the front of each door which directs air to the car's dual intercoolers mounted in front of each rear wheel.

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 anti-lock braking system 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 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 restoring traction and stability.

Cylinder Cut

Cylinder cut operates during automatic upshifts in Sport and Track powertrain modes and manual upshifts in Comfort powertrain mode.

Vehicle Data and Glossary

Technical Glossary

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.

Deployable Rollover Protection

Deployable rollover protection is a safety feature mounted in the superstructure behind the seats. Together with the Supplementary Restraint System (SRS) it provides protection to the vehicle occupants if the vehicle crashes or overturns.

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.

Electronic Stability Control (ESC)

Electronic stability control 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 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 decreases the engine torque and engine speed allowing faster upshifts to be achieved.

Inertia Push

When Non-Active is selected, or within Track powertrain mode 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 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 1.2m (3 ft 11 in) of the door sensors.

Vehicle Data and Glossary

Technical Glossary

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.

Performance Shift Cue (PSC)

Performance shift cue is an audible shift indicator which will sound to indicate that an upshift is required to maintain optimum performance.

Rear View Camera (RVC)

The rear view camera is mounted in the centre of the rear bumper. The live video feed is displayed on either the Driver Display or the Central Infotainment Touchscreen when the function is active.

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

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

Supplementary Restraint System (SRS)

The supplementary restraint system comprises a number of air bags which are automatically deployed in an accident to provide additional occupant protection.

Tyre Pressure Monitoring System (TPMS)

The tyre pressure monitoring system 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 vehicle identification number (VIN) is a unique 17 digit number which provides information about your vehicle, as well as when and where it was built.

Typical VIN = SBM22GCB0KW000001



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Conformity Information

Compliance

McLaren Infotainment System (MIS)

All regions/markets

Product: ADI Gen 2.0

Model: ICU

Australia/New Zealand



Brazil



00119934

Para consultas, visite: www.anatel.gov.br

Canada

IC: 25374-ICU

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.v.br

China

CMIIT ID: XXXYYZZZZ

Europe



Manufacturer:

Faurecia Clarion Electronics Europe S.A.S

40 Avenue des Terroirs de France

75012 Paris, France



E2*10R05/01*19097*00

Conformity Information Compliance

India

ETA-SD-20200100088

Japan



202 SMH046

D190021202

電波について

本機は、電波法に基づく小電力データ通信システム無線局設備として技術基準適合証明を受けています（受けた部品を使用しています）。したがって、本機を使用するときに無線局の免許は必要ありません。日本国内のみで使用してください。日本国内以外で使用する
と各国の電波法に抵触する可能性があります。また、本機は、電気通信事業法に基づく技術基準適合証明を受けていますので、以下の事項を行うと、法律で罰せられることがあります。

- 分解/ 改造すること
- 本機に貼ってある証明ラベルをはがすこと

●本機は2.4GHz帯の周波数を使用しますが、他の無線機器も同じ周波数を使っていることがあります。ほかの無線機器との電波干渉を防止するため、下記事項に注意してご使用ください。

使用上のご注意

本機の使用周波数帯（2.4GHz）では、電子レンジ等の産業・科学・医療機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）並びにアマチュア無線局（免許を要する無線局）が運用されています。

1. 本機を使用する前に、近くで移動体識別用の構内無線局および特定小電力無線局、並びにアマチュア無線局が運用されていないことを確認してください。
2. 万一、本機から移動体識別用の構内無線局に対して有害な電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか、または電波の発射を停止した上、当社カスタマーサポートセンターにご連絡頂き、混信回避の処置等についてご相談ください。

3. その他、本機から移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して、有害な電波干渉の事例が発生した場合など、何かお困りのことが起きたときは、当社カスタマーサポートセンターへお問い合わせください。

製品に表示している周波数表示の意味は下記の通りです。

- Bluetooth

2.4 FH 1

2.4： 2.4GHz 帯を使用する無線機器です。

FH： FH-SS 変調方式を表します。

1： 電波干渉距離は10m です。



： 全帯域を使用し、移動体識別装置の帯域回避可能です。

Conformity Information Compliance

- Wi-Fi

2.4 DS/OF 4

2.4 : 2.4GHz 帯を使用する無線機器です。

DS/OF : DS-SS、OFDM 変調方式を表します。

4 : 電波と干渉距離は40m です。

■ ■ ■ : 全帯域を使用し、移動体識別装置の帯域回避可能です。

●使用可能距離は見通し距離約10 m (Bluetooth)、約40 m (Wi-Fi) です。鉄筋コンクリートや金属の壁等をはさんでトランスミッターとレシーバーを設置すると電波を遮ってしまい、音楽が途切れたり、出なくなったりする場合があります。本機を使用する環境により伝送距離が短くなります。

●下記の電子機器と本機との距離が近いと電波干渉により、正常に動作しない、雑音が発生するなどの不具合が生じることがあります。

- 2.4GHzの周波数帯域を利用する無線LAN、電子レンジ、デジタルコードレス電話などの機器の近く。電波が干渉して音が途切れることがあります。
- ラジオ、テレビ、ビデオ、BS/CS チューナー、VICS などのアンテナ入力

端子を持つAV機器の近く。音声や映像にノイズがのることがあります。

●本機は電波を使用しているため、第3者が故意または偶然に傍受することが考えられます。重要な通信や人命にかかわる通信には使用しないでください。

Mexico

IFT: NYC-CT081220C0

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Philippines



NTC

Type Accepted

No. ESD-2021579C

Singapore

Complies with IMDA standards IMDA TS SRD

South Africa

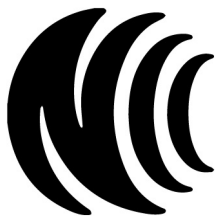


TA-2020/051

Conformity Information Compliance

South Korea
R-C-FcE-ICU

Taiwan



CCAO20LP0900T9

國家通訊傳播委員會(NCC)警告聲明

低功率電波輻射性電機管理辦法
第十二條

經型式認證合格之低功率射頻電機，非經許可，
公司、商號或使用者均不

得擅自變更頻率、加大功率或變更原設計之特
性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干
擾合法通信；經發現有干擾

現象時，應立即停用，並改善至無干擾時方得
繼續使用。

前項合法通信，指依電信法規定作業之無線電
通信。

低功率射頻電機須忍受合法通信或工業、科學
及醫療用電波輻射性電機設

備之干擾。



操作電壓 12 V
(9 V 至 16 V 容限)

這些規格在 14.2V 下測量。

United Arab Emirates
TRA

Registered No: ER78055/20

Dealer No: DA86264/20

US



FCC ID: 2AT94ICU

This device complies with Part 15 of the FCC
Rules. Operation is subject to the following
two conditions:

1. This device may not cause harmful
interference, and
2. This device must accept any
interference received, including
undesired operation.

Conformity Information

Compliance

Any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RED Declaration of conformity Telematics unit type 2148

Hereby, the Manufacturer Vodafone Automotive SpA declares that the radio equipment type 2148 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
Automotive.vodafone.com section "Download".

The device has the following RF parameters:

- GSM/GPRS/EDGE: Dual band 900/1800MHz
- LTE: Quad band 800 (Bd 20) / 900 (Bd 8) / 1800 (Bd 3) / 2100 MHz (Bd 1)
- Class 4 (+32.5dBm \pm 2dB) for GSM900
- Class 1 (+30dBm \pm 2dB) for GSM1800
- Class E2 (+26.5dBm \pm 3dB) for GSM900 8-PSK
- Class E2 (+26dBm +3 / -4dB) for GSM1800 8-PSK
- Class 3 (+23dBm \pm 2dB) for LTE 800, LTE FDD Bd20

- Class 3 (+23dBm \pm 2dB) for LTE 900, LTE FDD Bd8
- Class 3 (+23dBm \pm 2dB) for LTE 1800, LTE FDD Bd3
- Class 3 (+23dBm \pm 2dB) for LTE 2100, LTE FDD Bd1
- GPS: 1575.42 MHz (receiver only): 72-channel u-blox M8 engine; GPSL1C/A, SBASL1C/A, QZSS L1C/A, QZSSL1 SAIF, GLONASS L1OF, BeiDouB1I, Galileo E1B/C
- RF: 433.92MHz (receiver only)
- Remote 2781 accessory transmitter: 433.92MHz typical frequency/ -30dBm typical output power

The device bears the following CE Mark:



Conformity Information Compliance

Safety information: the device is designed and installed to ensure that the distance from vehicle occupants is greater than 0.2min order to avoid exposure to electromagnetic fields.

Manufacturer address:
VodafoneAutomotive SpA, via Astico 41,
21100, Varese, Italy

Safety notice installation/maintenance and coil/button cell batteries (EN62368-1)

It is essential that the installation, maintenance and servicing of the equipment are performed in a workmanlike manner by skilled and/or authorised technical personnel.

The remote control that comes with this system contains coin cell/button cell batteries. These must be kept away from children. If for some reason the battery compartment does not close securely, stop using the device and keep it out of reach of children.

Do not open, deform or make improper use of batteries, as this could result in the leakage of hazardous chemical substances. If you suspect ingestion or insertion in ear or nose, please immediately consult a doctor as batteries can cause serious internal chemical burn in just a couple of hours and also lead to death.

Replacing the batteries with a wrong type or mixing different battery types (e.g. used batteries with new batteries, lithium batteries with carbon or alkaline batteries) may cause explosion.

Do not short-circuit positive and negative terminals, do not attempt to recharge primary batteries, do not throw batteries into fire.

Dispose of used batteries in conformity with local waste recycling regulations, never dispose of them with house waste.

Graphic symbol is shown on the remote control device.



Functionality of the system

The Stolen Vehicle Tracking device is a GSM/GPS-based tracking system which enables the vehicle to be located by a Security Operating Centre (SOC) and secured by the relevant authorities in the event of theft.

As soon as Stolen Vehicle Tracking device detects a theft alarm, the location of the vehicle in question is sent to the SOC.

In this case, we support the below option:

- Stolen Vehicle Tracking device with driver card

The Stolen Vehicle Tracking device equipment version depends on the vehicle insurance or statutory requirements of the individual countries.

Conformity Information Compliance

Scope of delivery and initial activation

The Stolen Vehicle Tracking device is activated with the assistance of the vehicle owner.

Following activation, you will be given important details, such as the telephone number of your local control centre and of your service provider.

Functions

The vehicle will only be only located in the event of theft. In this event, a text message is sent to the mobile phone number provided. For security reasons, the position of the vehicle is not communicated in the text message.

Contact the control centre if your vehicle is stolen. In addition, report the theft to the local police authority.

The following alarms can be set:

- **Unauthorized movement of the vehicle:** The vehicle is moved with the ignition switched off. For vehicles with driver card/remote keypad: The vehicle is moved without a driver card/remote keypad.

- **Sabotage:** The Stolen Vehicle Tracking device has been illicitly tampered with.
- **Break-in alarm:** The alarm system was triggered and has been active for more than 15 seconds.

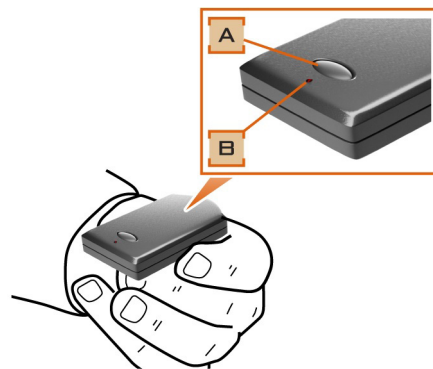
NOTE:

- **There is no guarantee that the theft of a vehicle will always be detected.**
- **The Stolen Vehicle Tracking device alarm can also be triggered when the vehicle battery is discharged.**
- **If the vehicle was stolen, the control centre can inhibit engine starting.**

Operating Stolen Vehicle Tracking unit with the driver card

The Stolen Vehicle Tracking unit can be disabled automatically using an activated driver card.

Switching the driver card on



Press button A on the driver card.

The indicator light B flashes quickly. When you release button A, the indicator light flashes at intervals of approx. 3 seconds.

Conformity Information Compliance

If the indicator light on an activated driver card stops flashing either at 3 second intervals or when you press button A on the driver card, the battery is flat and must be replaced.

Switching the driver card off

Press button A on the driver card and keep it pressed for approx. 8 seconds until the indicator light B goes out.

Switch off the driver card if it is not to be used for a long time to extend the life of the battery.

i NOTE: During transportation by aircraft, the driver card must be switched off in accordance with the guidelines that apply to aircraft.

Enabling Stolen Vehicle Tracking unit with the driver card

Switch off the ignition and take the driver card with you when leaving the vehicle.

If the driver card is far enough away from the vehicle, the unit will be enabled after approx. 70 seconds.

Theft of the vehicle can be detected.

Disabling Stolen Vehicle Tracking unit with the driver card

Place the driver card in the centre console in the vehicle or keep it on you.

The unit will be disabled if the activated driver card is in the vehicle or in the immediate vicinity of the vehicle.

i NOTE:

- **Do not put the driver card in the luggage compartment or engine compartment or near metal (e.g. coins).**
- **Vehicles are very often stolen using stolen driver's keys. Do not attach the Driver Card to the driver's key.**

If you want to add, delete or replace a driver card contact your SOC.

Emergency deactivation of the driver card

If the Stolen Vehicle Tracking cannot be deactivated using the Driver Card (e.g. if the Driver Card battery is flat or the Driver Card was lost), contact the control centre and get the control centre personnel to deactivate the system.

Tyre Pressure Monitoring System (TPMS)

Hereby, Huf Hüsbeck & Fürst GmbH & Co. KG declare that the radio equipment types 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: <10mW (TSSRE4Dg)

Manufacturer: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany

Por la presente, Huf Hüsbeck & Fürst GmbH & Co. KG declara que el tipo de equipo radio eléctrico TSSSG4G5 y TSSRE4Dg es conforme con la Directiva 2014/53/UE.

Conformity Information Compliance

El texto completo de la declaración UE de conformidad está disponible en la dirección de Internet siguiente:

- [http:// www.huf-group.com/eudoc](http://www.huf-group.com/eudoc)

Banda de frecuencia: 433.92 MHz
(TSSSG4G5 and TSSRE4Dg)

Potencia máxima de radiofrecuencia transmitida: <10mW (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](http://www.huf-group.com/eudoc)

Frequenzband: 433,92 MHz (TSSSG4G5 und TSSRE4Dg)

Abgestrahlte maximale Sendeleistung: <10mW

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](http://www.huf-group.com/eudoc)

Bandes de fréquences utilisées:
433.92 MHz (TSSSG4G5 et TSSRE4Dg)

Puissance de radiofréquence maximale:
<10mW

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](http://www.huf-group.com/eudoc)

Banda di frequenza: 433.92 MHz
(TSSSG4G5 e TSSRE4Dg)

Massima potenza di trasmissione: <10mW

Fabbricante: Huf Electronics Bretten GmbH, Gewerbestr. 40, 75015 Bretten, Germany



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