



GTR

Owner's Handbook



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Introduction

Introduction

Please read this information to familiarise yourself with your McLaren Senna GTR and its features before you drive.

The information contained within this book refers specifically to the McLaren Senna GTR. It does not contain information regarding functions and systems that are fitted to the road going McLaren Senna and also fitted to the McLaren Senna GTR. Therefore to fully understand the operation, functions and controls of the McLaren Senna GTR it will be necessary to refer to both the McLaren Senna Owner’s Handbook and this supplement for the McLaren Senna GTR.

Together, these two books, provide the necessary information for you to get the optimum benefit and enjoyment from your McLaren.

This publication must not be reproduced, translated or reprinted, in whole or in part, without written permission from McLaren Automotive Ltd. The equipment fitted to your McLaren may vary from that shown depending on vehicle specification.

McLaren constantly updates its vehicles, and therefore reserves the right to introduce changes in design, equipment and technical features at any time.

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.

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

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Using this supplement

To find information relating to the McLaren Senna GTR, refer to information contained within this supplement in the first instance. If the required information is not found, refer to the following table. The table contains a list of systems and functions that are not applicable to the McLaren Senna GTR.

If the information you are looking for is not contained within the supplement and is not contained within the following table, please refer to the McLaren Senna Owner’s Handbook. Where further information is required, contact your McLaren Retailer.

Systems and functions that are not applicable to the McLaren Senna GTR			
Active Speed Limiter (ASL)	Air bag system	Alarm system	Automatic driver recognition cards
Automatic light control	Automatic locking	Automatic windscreen wipe	Belt force limiters
Child passengers	Climate control	Cruise control	Cup holders

Introduction

Door locks	Driving abroad	Economical driving	Electronic parking brake
Emergency tool set	Entry lighting	Exit lighting	Exterior mirror automatic fold
External temperature indicator	First aid kit	Folding driver display	Hill hold assist
Horn	Immobiliser	Interior lighting	Interior mirror
Key fob	Keyless entry system	Locking - individual settings	Locking a door
Locking and unlocking	Loud start	Manual operation of rear wing	McLaren Infotainment System (MIS)
Mirror dipping in reverse	Mislock	Occupant classification system	Out Of Position (OOP)
Panic alarm	Park assist	Parking brake	Parking lights
Parking sensors	Pit lane pull away	Rear fog lamp	Restraint system warning light
Reverse lamp	Seat belt tensioners	Seat belt warning light	Seat height and tilt adjustment
Service indicator	Side head air bags	Spinning wheel pull away	Stowage area
Stowage nets	Sun visors	Supplementary restraint system (SRS)	Tow-away protection
Tyre sealant	Up-shift indicator	Variable Drift Control (VDC)	Vehicle lift
Vehicle tracking	Warning triangle	Windows	

Introduction

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 when on the track.

Instruments

This section contains information on the Race Driver Display and Switch Panel.

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 here. Included is advice on the emergency systems fitted to the McLaren Senna GTR and how to care for your McLaren.

At The Track

Describes the systems and tools that are supplied with the vehicle, where the use of the system or tool is primarily in the pit garage.

Data and Technical 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.

Index

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


Symbols


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

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


Introduction

Operating safety

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

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

Vehicle use

 **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.

Observe the following when using your McLaren:

- The McLaren Senna GTR is not certified for road use and it is illegal to drive this vehicle on the public road.
- The safety notes throughout this information.

The McLaren Senna GTR is a track only vehicle, which should be operated in a similar way to a race car.

If you are not experienced in operating race cars, McLaren strongly recommends engaging the assistance of professionals to operate this vehicle.

Failure to operate the McLaren Senna GTR in this way may prevent you from gaining the best possible ownership experience from your McLaren.

It is also expected that each time the McLaren Senna GTR is operated it will be inspected and maintained by trained professionals in a manner similar to a race car.

Maintaining the setup of the McLaren Senna GTR, due to the high performance nature of the aerodynamics, is of extremely high importance. If you are not experienced in running high downforce vehicles, McLaren recommends that you engage the assistance of professionals.

It is critically important to observe instructions around management of the tyres.

The McLaren Senna GTR is a track vehicle and requires specific tools and equipment. Please contact your McLaren retailer for advice on purchasing additional equipment required to operate your McLaren Senna GTR.

Before You Drive

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Before You Drive

Opening and Closing

General

The McLaren Senna GTR does not have any vehicle security features fitted, including door locks, alarm system or immobiliser system.

The vehicle does not require a key to switch on the ignition or start the engine.

Opening a door

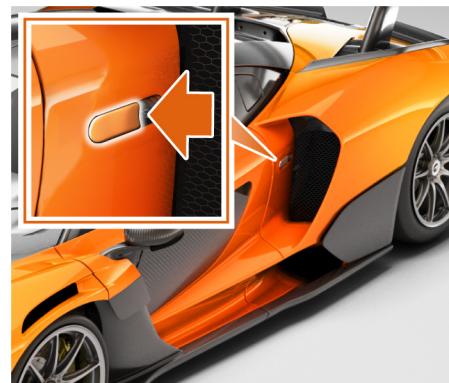
The McLaren Senna GTR has the same interior and exterior door handle as the standard McLaren Senna, which should be used for normal entry to and exit from the vehicle.

Emergency door opening

Emergency door opening - from inside

The McLaren Senna GTR has the same interior emergency door release strap as the standard McLaren Senna.


Emergency door opening - from outside




1. Pull the button handle firmly to unlatch the door.

Before You Drive


Opening and Closing

 **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.


 **NOTE:** Because the door opens outwards and then upwards, ensure sufficient side and overhead clearance before opening a door, see Vehicle dimensions, page 7.03.

2. The door latch will then release and the door will be allowed to be partially raised before it automatically swings outwards and upwards.

Closing a door


 **WARNING:** Keep hands and other objects clear of the door edge when 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, serious injury and vehicle damage may occur.**

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

 **NOTE:** Do not force close the door, the door aperture or door seals could be damaged.

Closing a door and switching off the vehicle

1. Switch off the engine using the START/STOP, see Stopping the engine, page 2.03.
2. Exit the vehicle and fully close the door, see Closing a door, page 1.03.
3. Switch off the vehicle using the external kill switch, see Activation - external switch, page 1.12.

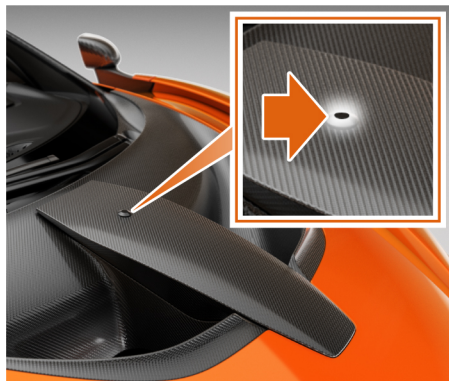
 **NOTE:** The emergency door opening must used to enter the vehicle after the kill switch has pressed, see Emergency door opening - from outside, page 1.02.

Before You Drive

Opening and Closing

Front service cover

Opening



1. Push the centre of the panel retainer, the centre button will remain pressed when released.
2. Open the service cover, the hinge will support it in the fully open position.

Closing

1. Close the service cover, ensuring the retainer is aligned with the fixing pin.

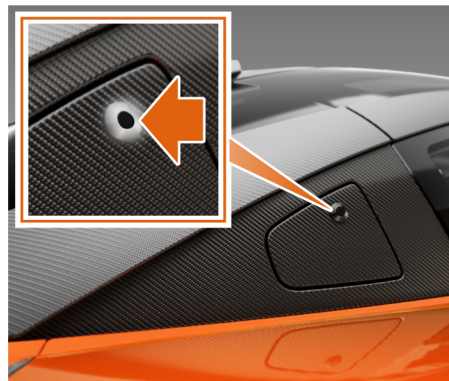
2. Push the retainer to secure. When secure, the centre of the retainer will pop up.
3. Ensure the service cover is secure once closed.



WARNING: Ensure that the retainer centre button is not sitting low, it must be flush to be secured.

Coolant filler flap

Opening



1. Push the centre of the panel retainer, the centre button will remain pressed when released. The latch will release and the flap will open.

Closing

1. Close the flap, ensuring the retainer is aligned with the fixing pin.
2. Push the retainer to secure. When secure, the centre of the retainer will pop up.

Before You Drive

Opening and Closing

3. Ensure the flap is secure once closed.





WARNING: Ensure that the retainer centre button is not sitting low, it must be flush to be secured.


Before You Drive Seats

Seat adjustment

Seat forward and rearward adjustment



-  **WARNING: Adjust the driver's seat when the vehicle is stationary.**
-  **WARNING: Child seats or child restraints must not be fitted to this vehicle.**



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


To adjust the seat, lift the lever and slide the seat to the desired position, ensuring you can comfortably reach all pedals and are able to move them through their full travel.

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

-  **NOTE:** Ensure that there are no 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.
-  **NOTE:** Only the driver's seat is adjustable, the passenger's seat position is fixed. More headroom is available in the passenger's seat, as it sits lower in the vehicle. It is possible to swap the seats around to suit driver and passenger preference.

Seat height and tilt adjustment

For seat height and tilt adjustment, contact your McLaren Retailer.

-  **WARNING: Seat height adjustment should only be carried out by your McLaren Retailer.**

Expiry

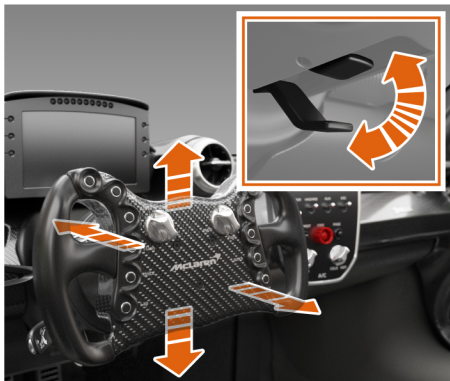
The seats have a limited effective life. The seats have a label containing the FIA expiry date and must be replaced on or before the date indicated.

Before You Drive Steering Wheel and Steering Column

Steering wheel adjustment

⚠ WARNING: Only adjust the steering wheel position when the vehicle is stationary.

The steering wheel can be adjusted for height and reach.



Push the lever (highlighted) downwards and position the steering wheel so that:

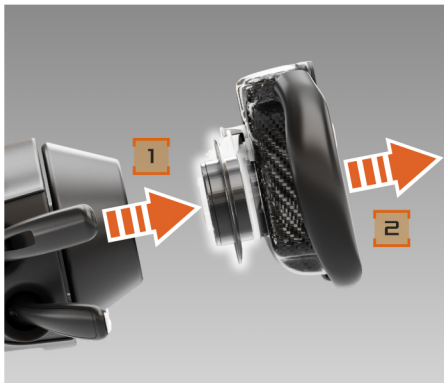
- your arms are slightly bent when you hold the wheel.
- you can move your legs freely.

- you can see all the information on the Race Driver Display clearly.

Pull the lever up to secure the steering wheel. Ensure the lever is locked before driving.

Quick release

⚠ WARNING: Only remove the steering wheel when the vehicle is stationary.



Pull the steering wheel retaining collar (highlighted) towards you and remove steering wheel from the steering column.

To refit the steering wheel, pull the retaining collar and align the steering wheel to the master spline on the column. Push the steering wheel onto the steering column and release the collar.

⚠ WARNING: Before driving pull the outer rim of the steering wheel to ensure it is securely engaged.

Before You Drive Occupant Safety

Seat belts - (Race Harness)

The race harnesses fitted to the McLaren Senna GTR have a limited life cycle. The harnesses must be replaced in line with the manufacturers specification.



WARNING: A race harness 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 the harness is fitted correctly at all times.

Do not route the harness across sharp edged or fragile objects especially if these are on or in your clothing. The harness could be damaged and you could be injured.

Only one person should use each race harness at any one time.

Race Harnesses are not suitable for use by children.

Never allow children to travel on the lap of another occupant.



WARNING: Race harnesses are not suitable for use by a pregnant occupant.



WARNING: The race harness cannot perform its function correctly if the harness or buckle becomes excessively dirty or damaged. Ensure the harness latches engage the buckle fully.

Check the harness regularly to ensure that they are not damaged, or routed over sharp edges and are not trapped. Have race harnesses checked if the harnesses have been damaged or subjected to a heavy load. Work on the seat belts should only be carried out by your McLaren Retailer. Replace the race harness after a heavy impact accident.

Expiry

The race harnesses have a limited effective life. The race harnesses have a label containing the FIA expiry date and must be replaced on or before the date indicated.

Before You Drive Lighting

Headlamp flash



The headlamp flash sequence, consisting of five flashes, is triggered by pressing Flash button on the steering wheel.

Rain light

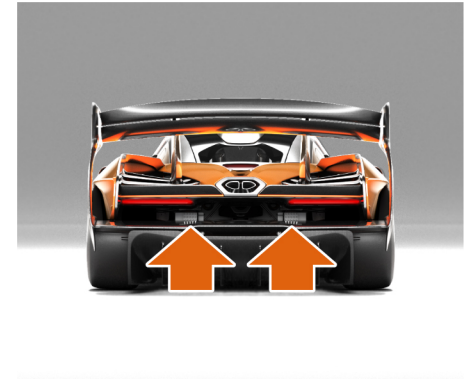
The rain light switch is located in the centre of the light switch.



Press the rain light button in the centre of the light switch.



The rain light notification light on the Race Driver Display and the light in the switch both illuminate.



The rain light provides twin high intensity red LED lights for use in rain.

Before You Drive Lighting

Hazard warning lamps

The hazard warning lamps switch is located on the switch panel.



1. Push the hazard warning lamps switch down, then release, to activate the hazard warning lamps.
2. All the direction indicator lamps and both direction indicator warning lights on the Race Driver Display will flash.
3. Push the hazard warning lamps switch down again, then release, to switch off.

Before You Drive Emergency Systems

Fire suppression system

⚠ WARNING: Once activated, the vehicle should not be driven until all vehicle systems have been checked for damage and the fire suppression system has been serviced and is in working order.

The vehicle is fitted with an integral fire suppression system.

The fire suppression system is activated by pressing one of the red activation switches.

Bring the car to a complete stop in a safe place off of the track.

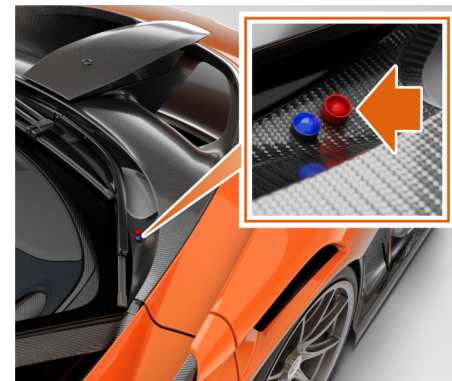
i NOTE: The fire suppression system will be ineffective if the car is in motion.

Activation - internal switch



The internal fire suppression system switch is located in the centre of the switch panel. The centre of the switch must be pressed to activate the fire suppression system.

Activation - external switch



The external fire suppression button is located on the scuttle panel at the lower edge of the windscreen.

If additional assistance is required, and only when absolutely safe to do so, proceed to a marshal's post.

Open the doors of the car.

Activate the vehicle kill switch (either in the cabin or on the scuttle panel at the lower edge of the windscreen).

Before You Drive Emergency Systems

Alert Track Control to request appropriate assistance.

Kill switch



WARNING: Only use the kill switch in an emergency situation - and not as a means to switch off the vehicle.

In case of emergency the McLaren Senna GTR is fitted with two kill switches. Either of these switches, when activated, will immediately shut down the engine and the vehicle electrical system.



NOTE: If the kill switch is activated, it may take up to 10 minutes before the system resets and allows the vehicle to restart.

Activation - internal switch

The internal kill switch is located on the switch panel and is labelled **MASTER**.

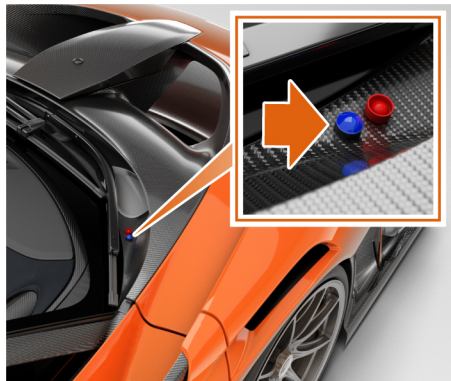


Pull the **MASTER** switch out (away from the console), then push it up to the **OFF** position.

Activation - external switch

The external kill switch is located on the scuttle panel at the lower edge of the windscreen.

Before You Drive Emergency Systems



Press the button to activate.

Driving Controls

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 - Starting the engine.....2.02
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 - Powertrain control.....2.08
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Driving Controls

Starting and Driving

Switching on the ignition

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

i NOTE: This vehicle does not require an ignition key.



1. Pull the MASTER switch out (away from the console), then push it down to the ON position.



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.

The ignition will switch on, the oil temperature, coolant temperature and fuel gauges will operate as a self-test. The Race Driver Display will fully illuminate.

Starting the engine

i NOTE: The vehicle does not require an ignition key.



1. Pull the MASTER switch out (away from the console), then push it down to the ON position.

Driving Controls


Starting and Driving




2. Depress the brake pedal, press and hold the START/STOP button and the engine will start.

Cranking can be stopped by either releasing the brake pedal, or releasing the START/STOP button.

Stopping the engine

 **WARNING:** The gearbox has no park position and there is no parking brake to prevent the vehicle from moving when stopped.

1. Bring the vehicle to a standstill and select neutral.

 **NOTE:** If the kill switch is activated, it may take up to 10 minutes before the systems reset and allows the vehicle to restart. It is NOT recommended that the kill switch is used to stop the engine in normal circumstances.

 **NOTE:** Do not depress the accelerator pedal when stopping the engine.



2. Press the START/STOP button to stop the engine.

Driving Controls

Starting and Driving

Dual clutch gearbox

Drive

To select Drive, depress the brake pedal and pull the upshift paddle.

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

Neutral



Neutral is selected by pressing the N button on the steering wheel.

No gear is engaged. Releasing the brakes will allow the vehicle to move freely, e.g. for pushing or towing.

Reverse

To select Reverse, the vehicle must first be in neutral. At this stage, pull the downshift paddle to select reverse gear.

i **NOTE:** If reverse or drive is selected at speeds above 10 kph (6 mph), the transmission will engage neutral, as a self protection feature.

In normal circumstances, only select reverse gear when the vehicle is stationary. It is possible to engage reverse or drive at speeds up to 10 kph (6 mph) whilst travelling in the opposite direction.

Manual



Manual mode is selected by pressing the A/M button on the steering wheel.

Gear changes can only be made manually with the paddles until the A/M button is pressed again.

i **NOTE:** The vehicle will remain in its previously selected mode if the ignition is switched off and back on.

Driving Controls

Starting and Driving

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 Race Driver Display, see Gear position indicator, page 3.08

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 mode selected and there is no need to release the accelerator pedal to change gear.

! **WARNING:** For safety, in manual mode only, 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.

Sequential downshifts under braking can be made by pulling and holding the downshift paddle whilst braking. In this case the downshifts will be called sequentially back to the same engine RPM.

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

If under 10 kph (6 mph) you can also press the neutral button on the steering wheel to go into neutral.

Driving Controls

Starting and Driving

Drag Reduction System (DRS)

⚠ WARNING: If a DRS fault occurs reduce speed to below 62 mph (100 km/h) and the DRS system self-tests.

⚠ WARNING: If the DRS system fails the self-test, a message will appear in the Race Driver Display. Contact your McLaren Retailer.

DRS is a system which minimises aerodynamic drag when the vehicle is not grip limited, while correcting aerodynamic balance for straight-line driving.



To activate DRS, press and hold down the DRS button on the steering wheel. The vehicle will self-test whether it is in the correct state to enter DRS mode. When successful, the DRS icon will display on the Race Driver Display, see DRS Status, page 3.11

DRS mode is cancelled when there is lift from the throttle, braking, steering, or the DRS button is released. The wing then returns to position (1), creating more downforce, giving the vehicle better stability when cornering.



The adjustable rear wing will move from the race position (1), to the minimum pitch angle position (2), increasing vehicle speed by reducing the amount of drag on the rear wing.

Driving Controls

ESC and Powertrain Controls

ESC control

Selecting a mode



Rotate the ESC control to select one of the following modes.

Modes

W	Wet	A wet-weather setting, accounting for the different stability and traction control requirements of the wet weather racing tyres and relatively slippery track surface.
T	Track	One of the two dry-weather settings. In Track, there is a level of support to the driver from the stability and traction control systems.
R	Race	One of the two dry-weather setting. In Race, there is minimal support to the driver from the stability and traction control systems.

The mode selected will remain active until the selection is changed.

i NOTE: ESC can be fully deactivated, see ESC off, page 2.07

ESC off



When ESC is switched off there is no support to the driver from the stability and traction control systems.

1. Push the ESC switch down, then release, to deactivate the ESC.
2. The ESC will be deactivated and a warning message will be displayed on the Race Driver Display.
3. Push the ESC switch down again, then release, to activate ESC.

Driving Controls

ESC and Powertrain Controls

Powertrain control

Selecting a mode



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

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

Modes

Automatic mode		
W	Wet	The shift points are configured to account for the reduced traction available when driving in wet conditions, without sacrificing the vehicle's inherent performance.
T	Track	Gear changes will occur at a higher engine speed and with a reduced shift duration and are further enhanced with cylinder cut.
R	Race	The shift points are taken to the extreme to simulate a race driving style.

Manual mode		
W	Wet	The shift points are configured to account for the reduced traction available when driving in wet conditions and are enhanced with cylinder cut.
T	Track	Gear changes occur with a reduced shift duration and are further enhanced with ignition cut.
R	Race	Gear change strategy is at its sharpest. Changes occur instantly and are further enhanced with inertia push.

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

Driving Controls

ESC and Powertrain Controls

Launch control

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

The vehicle is limited to 100 full launch control starts. After this number is reached, launch control starts will still be available, but at reduced performance.

⚠ WARNING: Do not initiate launch control unless on a track. Before initiating launch control, ensure that all doors and service covers are closed, and the prevailing conditions are suitable for performing maximum acceleration manoeuvres.

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

i NOTE: The launch sequence can be aborted at any point by carrying out any of the following actions:

- Pressing the Launch button to switch off launch control
- If in automatic mode, by a manual upshift or downshift

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

- Both doors are closed
- 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.



3. Press the Launch button.
4. With your left foot remaining on the brake pedal, press and hold the accelerator pedal down fully with your right foot, the engine speed will increase to 3,200 rpm.

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.

5. 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 again to drive away.

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

Driving Controls

ESC and Powertrain Controls



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.

Instruments

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Instruments

Race Driver Display

Overview

The Race Driver Display is activated when the ignition is switched on, see Switching on the ignition, page 2.02.

⚠ WARNING: No messages will appear on the Race 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.

The information displayed on the Race Driver Display can be configured to suit your preference:

- Display mode, page 3.02
- Units, page 3.04

Display mode



Press the **Page** button on the steering wheel to toggle through the following Race Driver Display display modes.

- Standard display mode, page 3.02
- Minimal display mode, page 3.03
- Stealth display mode, page 3.03
- Oil status and odometer, page 3.03

Standard display mode



This display mode provides the driver with visual access to the full set of available control settings and performance values of the vehicle.

Instruments

Race Driver Display

Minimal display mode



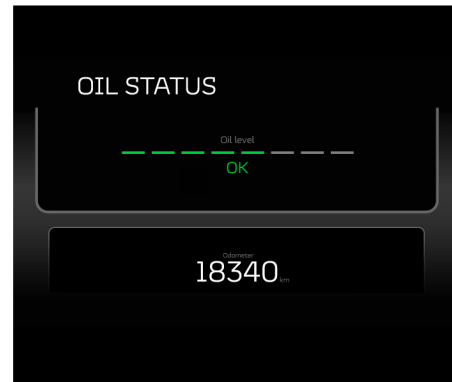
This display mode provides the driver with visual access to a reduced set of control settings and performance values of the vehicle.

Stealth display mode



This display mode provides the driver with visual access to a further reduced set of control settings and performance values of the vehicle.

Oil status and odometer



This display mode shows the current oil level status and odometer reading.

The odometer displays the total distance the vehicle has travelled.

i NOTE: The odometer is also shown during the oil level check process, see Engine oil, page 5.02

i NOTE: The odometer only displays in km, and cannot be changed.

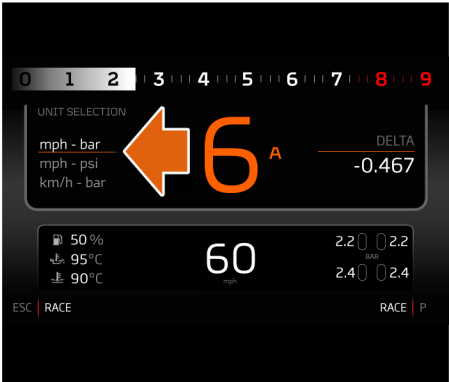
Instruments

Race Driver Display

Units



Press and hold the **Page** button on the steering wheel to access the units selection menu on the Race Driver Display.



Press the **Page** button on the steering wheel to toggle through the following unit combinations:

- mph - bar
- mph - psi
- km/h - bar

Press and hold the **Page** button on the steering wheel again to select the required units and return to the previous screen.



Alternatively, press the **Units** button on the steering wheel to quickly cycle through the unit combinations.

Instruments

Race Driver Display

Warning lights and messages




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




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



Instruments

Race Driver Display




Warning lights

	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.
	<p>If a low or high tyre pressure or high tyre temperature is detected, the tyre pressure monitoring system warning light will illuminate along with an associated error message on the Race Driver Display.</p> <p>Stop the vehicle as soon as possible, check all your tyres and inflate them to the recommended pressure, see Tyre pressures, page 7.05. The warning light will be extinguished once the tyres have been inflated to the correct pressure.</p>
	

	<p>The engine warning light illuminates when the ignition is on and extinguishes as soon as the engine is started, provided no faults exist.</p> <p>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.</p>
	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.

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

Notification lights

	Rotate the control to position (1) for sidelamps, the sidelamp notification light illuminates.
	Rotate the control to position (2) for headlamps, the dipped beam notification light illuminates.
	With the headlamps switched on, push the left-hand stalk away from you to activate main beam, the main beam notification light illuminates.

Instruments

Race Driver Display



Rain light, page 1.09

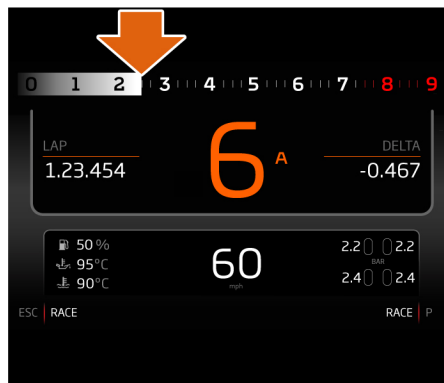
Messages



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

Warning messages will be shown at the top of the Race Driver Display.

Tachometer



The tachometer display appears at the top of the Race Driver Display.

The red number on the display indicates the engine's maximum RPM.



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



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

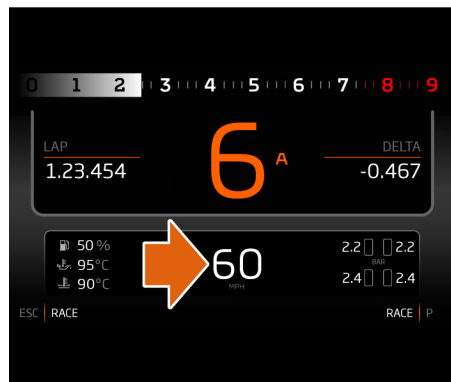
Shift lights

Shift lights will be displayed under hard acceleration. 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

Race Driver Display

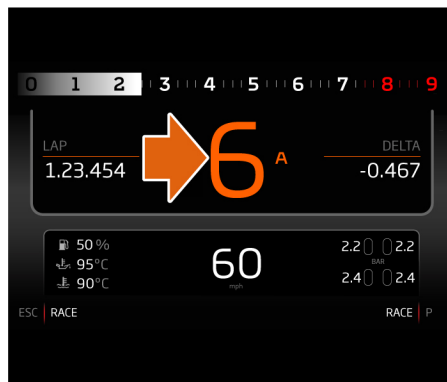
Speedometer



The speedometer is situated centrally in the lower half of the Race Driver Display.

NOTE: The vehicle speed will constantly display '0' if there is a system communication fault. A warning message will appear on the Race 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.

Gear position indicator

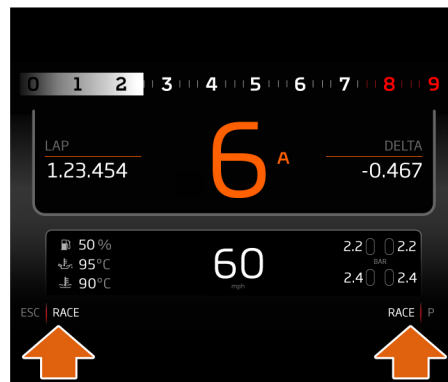


The gear indicator shows the current gear position selected: Neutral, Gear 1-7, or Reverse. The indicator will also show A or M depending on whether automatic or manual mode is selected.

The gear position indicator is situated centrally in the upper half of the Race Driver Display.

For more information, see Dual clutch gearbox, page 2.04.

ESC and powertrain mode display

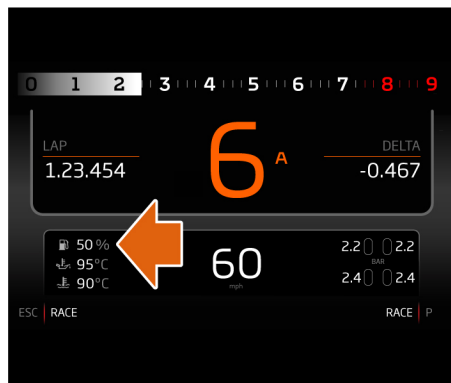


Confirmation of the currently selected ESC and Powertrain modes are displayed on each side of the Race Driver Display. For more information on the different settings available, see ESC control, page 2.07 and Powertrain control, page 2.08.

Instruments

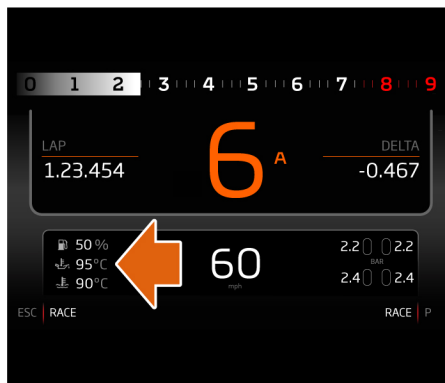
Race Driver Display

Fuel level



The fuel level is displayed as a percentage on the left-hand side of the Race Driver Display.

Oil temperature



The oil temperature is displayed on the left-hand side of the Race Driver Display.

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

High temperature is indicated if the gauge turns AMBER and excessive temperature is indicated by the gauge turning RED.

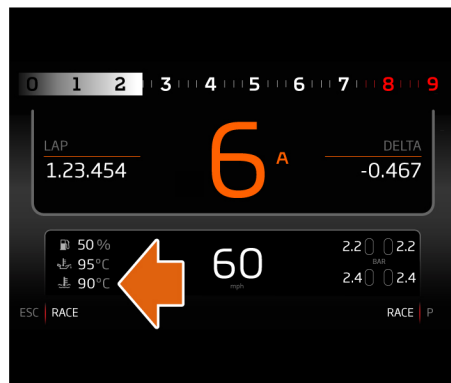
If the gauge shows high temperature, AMBER, slow down until the temperature drops to normal. If the temperature continues to rise and the gauge turns RED, a warning message will appear on the Race Driver Display.

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

Instruments

Race Driver Display

Coolant temperature



The coolant temperature is displayed on the left-hand side of the Race Driver Display.

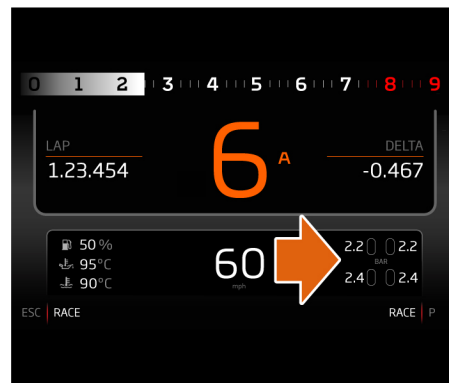
When the engine is first started the gauge will be BLUE. As the engine warms up, the colour will change to WHITE, indicating normal temperature.

High temperature is indicated if the gauge turns AMBER and excessive temperature is indicated by the gauge turning RED.

If the gauge shows high temperature, AMBER, slow down until the temperature drops to normal. If the temperature continues to rise and the gauge turns RED, a warning message will appear on the Race Driver Display.

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

Tyre pressures and temperature



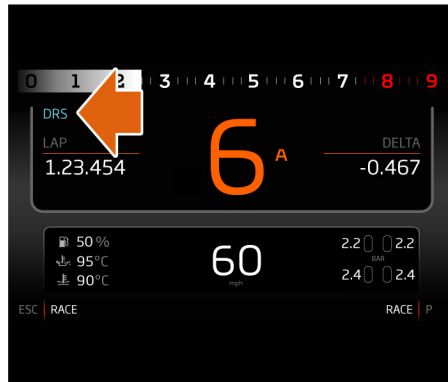
This shows the pressures and temperatures of each of the 4 tyres. If the display appears in white, no action is required. If it appears as amber or red, have the tyres inspected and pressures rectified as soon as possible.

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

Instruments

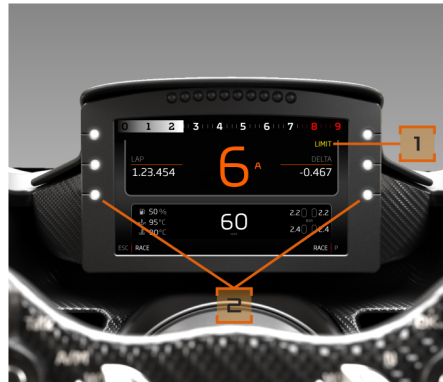
Race Driver Display

DRS Status



Confirmation that the Drag Reduction System (DRS) is active is displayed on the left-hand side of the Race Driver Display. For more information on using DRS, see Drag Reduction System (DRS), page 2.06.

Pit lane speed limiter status



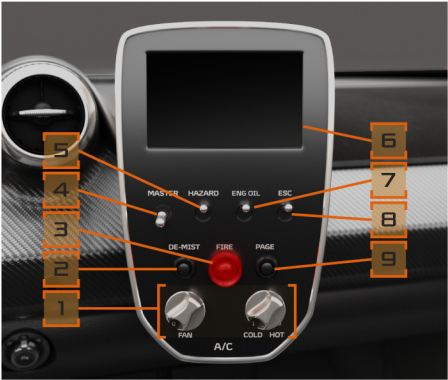
When the pit lane speed limiter is active, LIMIT (1) is displayed on the right-hand side, with further confirmation from the flashing LEDs (2) on each side of the Race Driver Display. For more information on using the pit lane speed limiter, see Pit lane speed limiter, page 6.08.

Instruments

Switch Panel

Overview

The Switch Panel is activated when the ignition is switched on, see Switching on the ignition, page 2.02.



1. Temperature and fan controls, page 4.02
2. Demist, page 4.02
3. Fire suppression system, page 1.11
4. Kill switch, page 1.12, Switching on the ignition, page 2.02
5. Hazard warning lamps, page 1.10
6. Screen, page 3.12

7. Engine oil, page 5.02
8. ESC off, page 2.07
9. Screen, page 3.12

Screen



Press the **PAGE** button on the Switch Panel to toggle through the following functions.

- Track telemetry, page 3.12
- Rear view camera, page 3.13
- Radar system, page 3.13

Track telemetry

This displays live, dynamic data for the vehicle, including:

- Brake

Instruments

Switch Panel

- Throttle
- 'g' force

Rear view camera

This displays a live video feed from the camera mounted at the rear of the vehicle.

Radar system

This system includes:

- Tracking of vehicles approaching from behind
- The passing alert, will illuminate the LEDs either side of the Race Driver Display to indicate the position of vehicles passing to the left or right

Comfort and Convenience

Climate Control.....4.02

 Temperature and fan controls.....4.02

 Demist.....4.02

Comfort and Convenience

Climate Control

Temperature and fan controls

The fan and temperature controls are located on the switch panel.



The fan speed dial has 10 increments. Rotate the dial clockwise to increase fan speed.

When the fan speed is set to 1 or higher, the A/C will be switched on. To switch the A/C off, turn the fan speed dial to 0.



The temperature control dial has 10 increments, with 1 being the coldest and 10 being the hottest. Rotate the dial clockwise to increase the temperature.

Demist



The demist button is located on the switch panel.

1. Press the demist button to activate the windscreen vents and redirect the air to the windscreen.
2. Adjust the fan speed to 1 or higher and adjust the temperature control as required, see Temperature and fan controls, page 4.02.




NOTE: To rapidly demist the windscreen, select a high fan speed and high temperature.

Comfort and Convenience

Climate Control

3. Press the demist button again to deactivate.

 NOTE: The fan speed and temperature control will need to be manually adjusted as required.

Maintaining Your McLaren

Fluid Topping Up.....5.02
Engine oil.....5.02

Emergency Systems.....5.05
Fire suppression system.....5.05

Vehicle Care.....5.06
Washing your McLaren.....5.06

McLaren Assistance.....5.07
McLaren assistance.....5.07
Towing for recovery.....5.07
Storing and transporting.....5.08

Maintaining Your McLaren Fluid Topping Up

Engine oil



The engine uses up to 1 litre of oil for every 625 miles (1,000 km), depending on your style of driving. The oil consumption may be higher than this when the vehicle is new or if you frequently drive at high engine speeds.

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. Further information is available from your McLaren Retailer.

Checking the engine oil

1. Ensure the following conditions are met:
 - Vehicle stationary and positioned on a level surface.
 - Neutral selected and the foot brake applied (use left foot).

- i** NOTE: The foot brake must be applied for the entire duration of the oil level check.

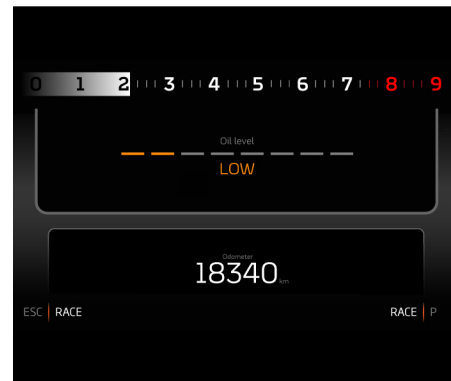


2. Push the ENG OIL switch down.
3. Start the engine and hold the engine speed at 2,000 rpm for 120 seconds. Allow the engine oil temperature to reach a temperature of 90°C (194°F).

- 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 Race 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.



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

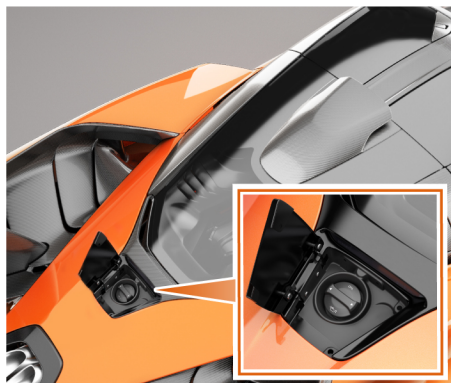
Maintaining Your McLaren Fluid Topping Up

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. To end the oil level check, release the throttle pedal and push the ENG OIL switch up.

Topping up the engine oil

1. Open the rear service cover.

See McLaren Senna Owner's Manual, page 1.09.



2. Unscrew the engine oil filler cap.

3. Top up with the correct quantity of Mobil 1 FS 0W-40 engine oil. Refer to Top up quantity, page 5.03.

4. Check the Race Driver Display to ensure level is correct.

i NOTE: If you have inadvertently overfilled the engine with oil, you must have any excess removed at your McLaren Retailer. The engine could be damaged.

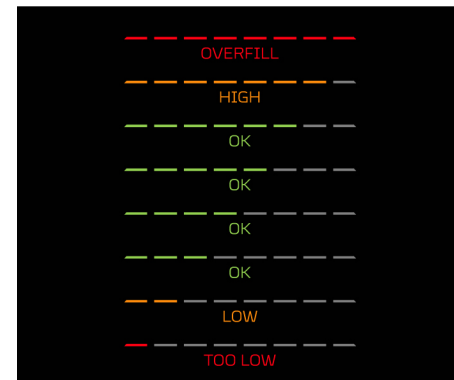
5. Refit the engine oil filler cap.

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

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

6. Close the rear service cover

Top up quantity



Based on the oil status displayed on the Race Driver Display, add the required quantity of oil as shown in the following table, then check the engine oil level again.

Segments on display	Quantity of oil required
1 - red - too low	0.90 litre
2 - amber - low	0.70 litre
3 - green - OK	0 litre

Maintaining Your McLaren

Fluid Topping Up

Segments on display	Quantity of oil required
4 - green - OK	0 litre
5 - green - OK	0 litre
6 - green - OK	0 litre
7 - amber - high	0 litre
8 - red - overfilled	Contact your McLaren Retailer

Oil temperature

If the oil temperature is too high, a warning will be displayed on the Race Driver Display. Reduce the vehicle and engine speed until the warning message disappears.

Maintaining Your McLaren Emergency Systems

Fire suppression system

i NOTE: Due to the nature of the vehicle's usage some of the systems are lifed, this needs to be monitored using the McLaren Diagnostic System (MDS). All component kilometre life is listed in the McLaren Diagnostic System (MDS).

Power pack testing and maintenance

The fire suppression system power pack is located behind the centre console.

Before every track event the fire suppression system must be tested.

On top of the power pack is a three position switch. This provides checking facilities for the battery and wiring. If the switch is pulled against its spring towards the amber LED, the LED will illuminate if there is sufficient current in the battery. If the amber LED does not illuminate, or immediately goes out, it should be replaced. The battery should be of the manganese/alkaline long life type only, type PP3.

With the switch in the centre ('system isolated') position, and the centre position only, the wiring of the circuit can be checked. With the extinguisher connected, press one of the activation buttons and the green LED should illuminate. If it does not there is a break in the circuit. If the green LED lights before the switch is pressed, there is a short in the circuit and the system is permanently 'live'. If this occurs do not put the switch into the 'system armed' position, or the system will discharge.

If for any reason the green LED does not illuminate when the system is tested, contact the system supplier or your McLaren Retailer.

To arm the system place the switch in to the 'system armed' position. The red LED will illuminate to indicate the system is armed.

To prolong battery life and prevent accidental activation, it is recommended that the power pack switch be in the 'system isolated' position and the plug disconnected when the vehicle is not being used.

Expiry



The fire suppression system has a limited effective life. The suppression system cylinder label contains the expiry date and must be serviced on or before the date indicated.

Maintaining Your McLaren Vehicle Care

Washing your McLaren



ENVIRONMENTAL: Some cleaning products contain chemicals that are hazardous to the environment. Always take precautions to prevent fluids from spilling and never use excessive quantities.

Polycarbonate

The McLaren Senna GTR has polycarbonate door windows. Regularly clean the polycarbonate using water and a pH neutral detergent only.



NOTE: For further recommendations on cleaning your McLaren Senna GTR see the McLaren Senna Owner's Handbook: Vehicle Care.

Maintaining Your McLaren McLaren Assistance

McLaren assistance

If your McLaren is immobilised, do not attempt to make your own arrangements for assistance, contact your McLaren Retailer.

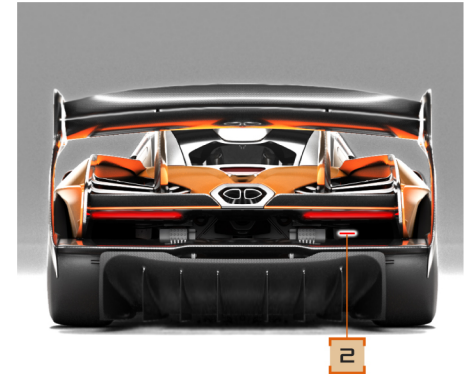
Towing for recovery

Your McLaren is equipped with a front towing strap and a rear towing eye.

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.



(1) Front towing strap



(2) Rear towing eye

Maintaining Your McLaren

McLaren Assistance

Storing and transporting

Storing

- Always store your McLaren on level ground
- Raise the vehicle using the air jack system and install safety supports
- Drain fuel
- Install vehicle cover

In storage conditions do not:

- Disconnect the 12 V battery
- Remove service disconnect
- Expose the vehicle to ambient temperatures greater than 40 °C or lower than 10 °C
- Expose the vehicle to humidity levels greater than 95% or lower than 30%

Transporting

- Your McLaren must only be transported using wet weather tyres
- If your McLaren is being transported for a long period of time ensure the engine is started and run every 2 weeks

At the Track

Air Jack.....	6.02
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Air jack system operation.....	6.02
Wheel Nut Tightening.....	6.04
Wheel nut care.....	6.04
Wheel nut direction.....	6.05
Refuelling.....	6.06
Overview.....	6.06
Refuelling.....	6.06
Removing fuel.....	6.07
On-Track Systems.....	6.08
Pit to car radio and intercom.....	6.08
Pit lane speed limiter.....	6.08
Race Data.....	6.10
Overview.....	6.10
Data logging.....	6.10
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At the Track


Air Jack


Overview

The air jack system fitted to the McLaren Senna GTR has been installed to allow the vehicle to be temporarily raised to a wheel free condition.

Air jack system operation

Raising the vehicle on air jacks

 **WARNING: Never work under the vehicle with the vehicle supported on the air jack system alone. Always ensure safety supports are in place before commencing work.**


 **WARNING: Never store the vehicle supported on the air jack system alone. Always ensure safety supports are in place.**



With the air jack valve on the vehicle in the open position, connect the air jack lance to the valve until it latches. The valve will close automatically and maintain air pressure in the system and the air jacks in the extended position.

Remove the lance from the valve, the valve will remain closed and the air jacks extended.

Lowering the vehicle on air jacks

 **WARNING: When the valve on the air jack system is released, the vehicle may drop immediately and rapidly to the ground. Ensure all personnel are clear of the vehicle prior to release the air jack valve as serious injury may be caused.**

With the air line lance disconnected, open the valve by pulling the sleeve out. Moving the sleeve slowly will allow a controlled lowering of the vehicle. Rapid release of the sleeve will result in a fast drop of the vehicle.

At the Track Air Jack




At the Track


Wheel Nut Tightening

Wheel nut care

It is the teams' responsibility to ensure all pit equipment used for wheel nut tightening is correctly set to achieve the correct wheel nut tightening torque. Wheel gun air pressure and "gun on" time is also critical to this.

Wheel nut tightening

 **WARNING: If the wheel nuts have been fitted using a nut gun, care should be taken if removing with a breaker bar as there is a risk of injury and/or tool damage.**


 **NOTE:** Although a nut gun can be used for fitting and removing the wheel nuts, it is recommended that a torque wrench be used to tighten and a breaker bar be used to loosen the wheel nuts.

Wheel nut torque	675 Nm
------------------	--------

- Wheel nut torque should be checked pre session once the wheels are gunned in place.

- Care must be taken that the wheel is seated squarely when gunned up. An incorrectly seated wheel is likely to quickly come loose once the car begins to drive.

Lubrication

 **NOTE:** Care must be taken to ensure that Molykote spray does not reach brake pads or discs.

It is recommended that Dow Corning Molykote 1000 spray is applied to the following parts, as part of general race preparation. Contact your McLaren retailer for more information.

- Stub axle threads
- Wheel nut threads
- Wheel nut mating face

Wheel and wheel nut bedding procedure

- New wheels and wheel nuts should be bedded using a wheel gun, tightening and loosening the nut 15 - 20 times, following which inspection should be made to ensure a clear mating face, with a good contact area has been achieved.

- For the bedding procedure, ensure that all areas covered above have been adequately lubricated with Molykote spray.

Drive peg maintenance

- It is imperative that the condition of the drive pegs in the wheels need to be regularly inspected for any burrs or damage.

Retaining peg maintenance

It is likely that the wheel nut retaining mechanism will require periodic maintenance. As part of general event preparation, inspection should be made to ensure that the locking pins operate freely. As required, the mechanism should be stripped and cleaned removing any burrs on the pins which may be present.

Wheel rim maintenance

- New wheel rims need to be bedded in, in a similar fashion to new wheel nuts. Inspection should be made to ensure that a clear witness mark can be seen, around the full circumference of wheel rim/nut contact surface. Ensure the surface is lubricated with Molykote spray (see above) during bedding.

At the Track

Wheel Nut Tightening

- The mounting face on the inside of the wheel rims should be inspected to ensure that it remains flat.
- Should the wheel be prevented from sitting flat onto the brake disc bell, the wheel will not remain tight once the car runs on track.

Wheel gun maintenance

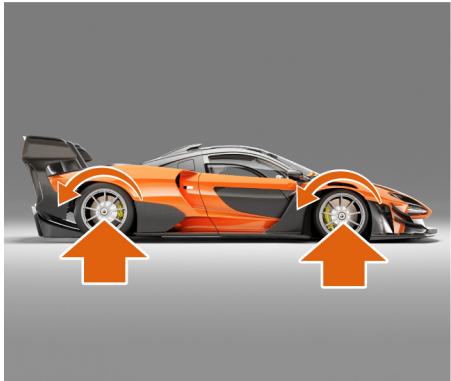
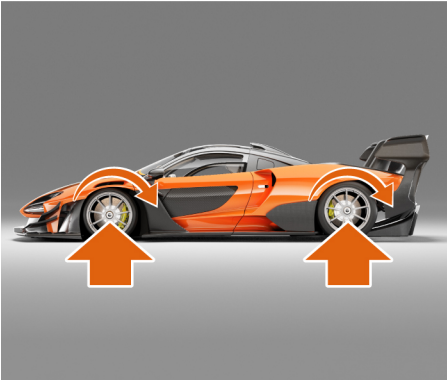
- It is recommended that between events the wheel guns are maintained correctly.
- It is important that wheel guns are regularly checked against a calibrated torque wrench to ensure that the correct clamp load is being achieved.

Wheel nut direction

The hub and nut threads are different on each side of the vehicle.

Vehicle side	Hub and nut thread
LH side	RH thread
RH side	LH thread


Tightening directions shown in the following images.




At the Track

Refuelling


Overview

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

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

The McLaren Senna GTR is fitted with an FIA approved fuel tank, contact your McLaren retailer for the original FIA fuel tank certificate.


The vehicle must be refuelled using a fuel bowser. McLaren recommend the ATL fuel bowser. Contact your McLaren retailer for assistance.


 **NOTE:** It is recommended that the fuel tank is completely drained whenever the vehicle is not in use. See Removing fuel, page 6.07.


Recommended Fuel


The use of 99 RON fuel is recommended.


Refuelling


 **WARNING:** Fuel is highly flammable. Fire, naked flames, smoking and using a mobile phone 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.

 **WARNING:** Be careful when adding or removing fuel when the engine is hot. Fuel is highly flammable and can cause severe burns and injuries, hot engine components can cause fuel to ignite.

 **WARNING:** Use suitable fire retardant overalls when adding or removing fuel. Fuel is highly flammable and can cause severe burns and injuries.

 **WARNING:** As soon as the tank is full remove the bowser immediately. Do not overfill the fuel tank.


 **WARNING:** Only fully fuel the vehicle if the vehicle is about to be used. Fully fuelling the vehicle and leaving the vehicle for an extended period of time can cause the tank to overflow.


1. Connect the bowser breather line to the vehicle.
2. Connector the bowser to the vehicle fuel filler, fuel will start to flow into the fuel tank.
3. When the fuel tank is full, remove the bowser immediately and stop refuelling.
4. Remove the bowser breather line from the vehicle.


At the Track


Refuelling

Removing fuel

 **WARNING:** Fuel is highly flammable. Fire, naked flames, smoking and using a mobile phone 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.

 **WARNING:** Be careful when adding or removing fuel when the engine is hot. Fuel is highly flammable and can cause severe burns and injuries, hot engine components can cause fuel to ignite.

 **WARNING:** Use suitable fire retardant overalls when adding or removing fuel. Fuel is highly flammable and can cause severe burns and injuries.

1. Remove the rear deck glass from the vehicle.
2. Connect a Staubli connector to the fuel connector on the rear bulkhead.
3. Use a pump to remove the fuel from the tank.

At the Track

On-Track Systems

Pit to car radio and intercom

⚠ WARNING: Only use the pit to car radio when it is safe to do so. Using the radio during complex track conditions such as over taking or fast corners may result in reduction of driver concentration and loss of vehicle control.

i NOTE: The pit crew must be made aware of the potential for disturbing the driver when making pit to car radio contact.



The McLaren Senna GTR is equipped with a pit to car radio and intercom system.

The system allows 2-way communication between the driver and the pit crew.

For the driver to communicate with the pit, press and hold the Talk button.

Pit lane speed limiter



The McLaren Senna GTR is equipped with a pit lane speed limiter.

To engage the pit lane speed limiter, press the PLC button on the steering wheel. Whilst the pit lane speed limiter is engaged, the vehicle speed is limited to 50 kph (30 mph). No throttle movement will allow this speed to be exceeded.

When the pit lane speed limiter is active, **LIMIT** is displayed on the right-hand side, with further confirmation from the flashing LEDs on each side of the Race Driver Display, see Pit lane speed limiter status, page 3.11.

At the Track

On-Track Systems

To cancel the pit lane speed limiter, press the button again.

At the Track

Race Data

Overview



WARNING: Never attempt to view the logged data whilst driving.

The race data system allows information to be downloaded from the vehicle and replayed on a PC.

The system allows data logging and video capture from the cameras fitted to the vehicle.

The data is recorded on to a removable USB mass storage device.

Data logging

The race data system receives three simultaneous feeds from cameras fitted to the vehicle:

- Driver camera
- Front facing camera
- Rear facing camera

Automatic data logging

The data logging automatically starts when the system detects a vehicle speed of 2.5 kph or greater.

Viewing data and video

Remove the USB mass storage device from the VBox USB port on the centre console.

For further detailed information and specifications please visit <http://www.vboxmotorsport.co.uk>.

Vehicle Data and Glossary

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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	+10°C (+50°F)
Maximum ambient operating temperature	+35°C (+95°F)

 **NOTE:** If the vehicle is used outside the minimum and maximum ambient temperatures, performance degradation may be experienced. McLaren disclaims any liability of the stated engine power not being achieved if the vehicle is being used outside of the stated temperature ranges or being used at altitude.

Engine

Rated output (kW) @rpm	607 @ 7,500
Rated output (PS) @rpm	825 @ 7,500
Rated torque (Nm) @rpm	800 @ 5,500-6,500
Rated torque (lb-ft) @rpm	590 @ 5,500-6,500
Number of cylinders	8
Displacement cm³	3,994
Maximum engine speed (rpm)	8,250

Vehicle Data and Glossary

Data

Recommended fuel

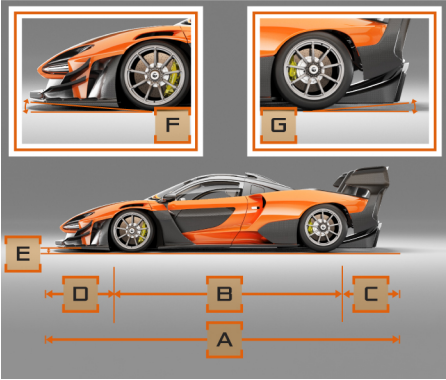
⚠ WARNING: Engine performance will be severely degraded if different grades of fuel are used.

For maximum engine performance the use of 99 RON is required.

Gear ratios

1st gear	3.982:1
2nd gear	2.612:1
3rd gear	1.905:1
4th gear	1.479:1
5th gear	1.160:1
6th gear	0.906:1
7th gear	0.686:1

Vehicle dimensions

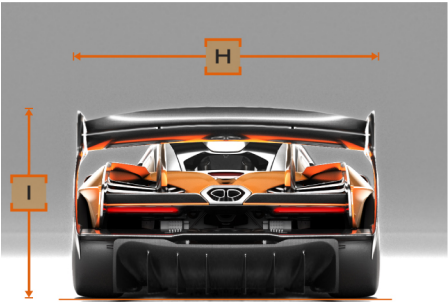


A	Vehicle length	4,965 mm (16 ft 3 in)
B	Wheelbase	2,695 mm (8 ft 11 in)
C	Rear overhang	1,062 mm (3 ft 6 in)
D	Front overhang	1,208 mm (4 ft)
E	Ground clearance	80 mm (3 in)
F	Approach angle	4°

Vehicle Data and Glossary

Data

G	Departure angle	5.8°
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H	Vehicle width (doors closed, including mirrors)	2,153 mm (7 ft 1 in)
I	Vehicle height (doors closed)	1,248 mm (4 ft 1 in)



J	Vehicle width (doors open at widest point)	2,893 mm (9 ft 6 in)
K	Vehicle height (doors open)	1,787 mm (5 ft 10 in)

 NOTE: All dimensions are approximate.

Vehicle weights

Weight	kg (lbs)
Dry weight	1,188 (2,619)

Vehicle Data and Glossary Data

Wheels and tyres


Wheel sizes

Front Wheels	10J x 19
Rear Wheels	13J x 19


Tyre sizes

Front Tyres	285/650-19
Rear Tyres	325/705-19

Tyre pressures

 **WARNING:** The vehicle must not be driven if the tyre pressures are below the minimum 1.8 bar cold pressures. This may cause loss of vehicle control, resulting in serious personal injury or death.

The optimum tyre pressures for the McLaren Senna GTR will be dependent on vehicle set-up and environmental conditions and track temperature. Irrespective of any outside influences, the minimum tyre pressure must not be below 1.8 bar when cold with a target of 2.2 bar (front) and 2.1 bar (rear) when the tyres are at their optimum operating temperature.

 **WARNING:** Do not exceed 200 km on a single set of tyres.



FIA tyre colour labels:


- Front left, red label facing outwards
- Front right, yellow label facing outwards

- Rear left, yellow label facing outwards
- Rear right, red label facing outwards

Vehicle Data and Glossary

Service Products, Fluids and Capacities

Overview


 **WARNING:** When handling, storing and disposing of any service products, please observe the relevant regulations. Failure to do so could endanger people and the environment. Do not allow service products to come into direct contact with your eyes or open wounds. Contact a doctor immediately if any service product is swallowed.

Service products are fuel, engine oil, coolant and brake fluid. McLaren recommend that you only use products tested and approved for the McLaren Senna GTR. Damage resulting from using non-approved service products is not covered by the liability for material defects.

The following table provides the fluid specification for McLaren Senna GTR.

System	Specification	Capacity
Engine oil	Mobil 1 FS 0W-40	8.0 litres
Transmission oil	Mobil Mobilube PTX 75W-90	4.5 litres

Clutch	Pentosin FFL-4	5.5 litres
Brake fluid	Castrol React SRF	1 litre
Fuel	99 RON	70 litres

 **ENVIRONMENTAL:** Dispose of service products in an environmentally responsible manner.

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