



This manual provides information regarding the use and operation of your caravan air suspension system. Following the guidelines in this manual will help provide you with many years of trouble-free service.

SYSTEM GUIDE

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IMPORTANT INFORMATION



DOCUMENTATION TO BE KEPT WITH THE CARAVAN

It is very important that the caravan owner and operator is advised on how to use the system and that this System Guide is kept with the caravan. Read this System Guide carefully before using the system or towing the caravan.



It is recommended that only a properly trained person services the product and carries out maintenance.



Never exceed the caravans weight ratings for the overall caravan (ATM) or suspension group (GTM). The manufacturer's weight ratings are stated on the VIN plate on the caravan. It is recommended to weigh your vehicle and caravan combination on an authorised weighbridge when it is fully loaded and in a level condition to determine if you are exceeding weight ratings.



Ensure you are fully conversant with how to position load on your caravan. A caravan loaded in an improper manner can greatly affect safety & stability and may result in twisting and stress on the chassis and overloading of axles resulting in injury and / or damage.



When operating your air suspension ensure there is no one close to or under the caravan as they may be trapped or injured.



Before towing the caravan ensure that you are familiar with the 3 mode positions of the caravan.



The Low and High Modes are to be used when stationary or for slow towing only.



Turning the vehicle On/Off will cause the system to revert to the previous Auto Mode selection.



Incorrect use of this air suspension product can result in damage to the airbag, associated parts and / or the vehicle which is not covered under warranty.

OPERATION

HOW TO USE YOUR SUSPENSION CONTROL

The air suspension and automatic control system on this caravan automatically adjusts when load is added or removed from the caravan. This ensures the caravan is constantly maintained at the correct suspension height ensuring optimum stability, road handling, isolation and drive comfort.

The system offers three selectable heights, 'Towing Mode' is to be used during all travel. Low Mode and High Mode can be selected for stationary or slow towing only, to allow for improved occupant access and caravan clearance.

- ⚠ **When operating your air suspension ensure there is no one close to or under the caravan as they may become trapped or injured.**
- ⚠ **Before towing the caravan ensure that you are familiar with the three mode positions of the caravan.**
- ⚠ **When operating your air suspension uncoupled with the park brake on ensure the jockey wheel is forward facing to prevent possible damage.**

SYSTEM ON/OFF

Use the 3 position switch to select the system operation. It is recommended to always leave the system VEHICLE while setup on site to maintain your site levelled position.



OFF MODE: The system will be inactive



VEHICLE MODE: The system will be active when tow vehicle connected



MANUAL MODE: The system will be active without tow vehicle connected

Use the **Off Mode** to deactivate the system for tyre changing or service work. This mode must not be used when towing.

Use the **Vehicle Mode** position to allow the system to return to the towing ride height when the tow vehicle is connected, and the vehicle is running.

Use the **Manual Mode** position to allow the system to be active when disconnected from the tow vehicle allowing manual level control. Once the trailer is level return the switch back to vehicle mode to lock your desired position in.

AUTO MODE SELECTION

Towing Mode, Low Mode and High Mode are automatic height modes that are selected via the Control Interface. When the corresponding button is pressed, the button will flash while the caravan adjusts to the selected mode and illuminate constantly when the selected mode is reached. If the system is not able to reach the selected mode, check for obstructions and safely remove these before attempting the change. If the caravan is moving to a selected mode and is not able to reach this mode it will revert to the previously selected mode.



HIGH MODE



High Mode raises the suspension for improved ground clearance. To be used when the caravan is stationary or for slow towing only. Towing Mode must be selected before travelling.

TOWING MODE



Towing Mode is the primary operating position of the caravan and is to be used for all travel. This mode ensures best performance and reliability of the suspension.

LOW MODE



Low Mode lowers the suspension for improved occupant access and roof clearance. To be used when the caravan is stationary or for slow towing only. Towing Mode must be selected before travelling.

MANUAL MODE OPERATION

Manual mode can be utilised to adjust the suspension heights as needed. Manual mode can only be selected when the caravan is stationary and is recommended to be activated the Towing Mode position, for best performance.



To select Manual Mode, press and hold the Manual mode button until the Manual mode button and the Down / Up control buttons illuminate, then release.



The Down / Up control buttons can now be used to manually adjust the caravan height, raising the Door (kerb) and Off (Driver's) side suspension together. Where loads are greater on one side, the heavier side will not raise or lower at the same rate as the lighter side.



The Door (kerb) side individual control button can be pressed to then allow manual control of the Door (kerb) side via the Down / Up control buttons.



The Off (Driver's) side individual control button can be pressed to allow manual control of the Off (Driver's) side via the Down / Up control buttons.



Press the Manual Mode button again to exit Manual mode operation, returning the caravan to the Towing Mode position.

⚠ The Manual Mode can only be used when the caravan is stationary. Cycling the system On / Off will cause the system to revert to the previous Auto Mode selection.

SITE LEVELLING

When site levelling, it is recommended to select Manual Mode from the Towing Mode position. To remain at your site levelling position, ensure the system remains ON. Cycling the system On / Off will cause the system to revert to the previous Auto mode selection.

CHANGING A FLAT TYRE

Stop the tow vehicle and caravan in a safe location, ensure park brake(s) are applied, then use the 3 position switch to enter Off Mode and follow the recommended tyre change process outlined by AOR. Once the tyre has been changed and the tow vehicle and caravan are safe to move, ensure the system is On and Towing Mode is selected before travelling.

LONG TERM STORAGE

Select Low Mode when the caravan is being stored for a long period of time. The system will retain a low level of air pressure in the airbags when it enters Low mode, and it is normal for this pressure to be lost during long term storage. When the system is switched OFF, the control system will shut down and remain in the currently adjusted position.

NOTE: If the system is left in Manual mode when shut down, it will revert to the previous Auto mode immediately when turned ON.



The control system can be turned Off via the 3 position switch. This may be required if the caravan is completely jacked, hoisted, raised off the ground, or transported. This is to avoid unnecessary adjustment by the system and / or possible damage to individual components and / or persons.

MAINTENANCE

- ⚠ It is recommended that only a properly qualified person installs the product and carries out removal and refitting of any components.**
- ⚠ If removed, never inflate an airbag assembly unrestricted. Improper use or over inflation may cause property damage or severe personal injury.**

GENERAL SYSTEM CARE

It is recommended to periodically inspect your air suspension for operation, security, possible damage and component integrity. As with your vehicles tyres, an airbag is a pneumatic device that supports the vehicle's weight. Air leaks may develop in the system and these are generally not covered under Warranty. If you encounter an air leak, contact Australian Off Road or their nearest service representative for assistance. Though unlikely, it is possible that the airbag may be punctured as a result of: impact damage, improper inflation, improper installation or improper usage. To reduce the risk of puncture, we strongly recommend to inspect and wash any accumulated sand, gravel or other road debris from the airbags and surrounding components.

SYSTEM SUPPLY VOLTAGE

It is recommended to always maintain system voltage above 12.0volts. System operation will be adversely effected by low voltage, causing the compressor to run longer and increase the time for each height adjustment. At low voltage the power supply will shut down disabling all system functionality.

PRESSURE RETENTION CHECK

It is normal for air pressure to be lost during long term storage of your caravan causing the suspension height to lower. Due to the nature of the airbag material, the rate of loss can vary across the group of airbags. When the system is re-activated the suspension will automatically adjust to the Auto mode height selected before shut-down.

During regular operation, a system air leak could occur even after many years of leak free service. A system air leak will cause increased frequency and / or run time of the air compressor. Any system leak must be rectified as the life of the compressor will be adversely affected, contact Australian Off Road or their service representative. If an airbag has been punctured while you are travelling, as indicated by a loss of height and/or the compressor running continuously for more than 5 minutes, park in a safe place and contact Australian Off Road or their service representative.

- ⚠ Never cut, weld or modify the airbag or associated parts without approval from Australian Off Road.**
- ⚠ Do not use aerosol tyre repair products in airbags. If there is a hole, the airbag must be replaced.**
- ⚠ Do not use a tyre patch of any kind on an airbag. If there is a hole, the airbag must be replaced.**
- ⚠ Never weld within sight of an un-protected airbag; they are severely affected by weld UV & heat.**

TROUBLE SHOOTING GUIDE

Airbags will not inflate

Check battery voltage and connections.
Check the system power supply and compressor fuse is fitted and intact.
Check that the On/ Off switch is turned ON.
Select Towing Mode and wait 2 minutes, if the system is still not lifting then check that you are not exceeding Manufacturer's weight ratings.

Airbags deflate on their own

If Low Mode is selected, the airbags will deflate automatically.
When in Manual Mode, system activation, will cause the system to revert to the previous Auto mode selection.
If the caravan is losing height from Towing or Modes when stationary, park in a safe place and contact Australian Off Road or their service representative.

The compressor is running continuously

With the system ON do not select any buttons on the control interface to eliminate air usage.
With no system adjustment, if the compressor is running continuously for more than 5 minutes park in a safe place and contact Australian Off Road or their service representative.

The caravan is not level for towing

Confirm that the tow vehicle and caravan are on level ground, and that the tow coupling height is correct.
Check for obstruction or components that may be restricting the suspension. Ensure Towing Mode is selected before travelling.

The caravan is not levelling on site

Ensure Towing Mode is selected before using Manual Mode
In Manual Mode, select the higher ground side and deflate for 10 seconds (deflate button will flash)
In Manual Mode, select the lower ground side and inflate for 20 seconds (inflate button will flash)
Following the above steps, if the available adjustment is not adequate for the site variation use traditional levelling methods to achieve the difference. Manual Mode can then be used to complete the levelling process.

AFTER SALES SERVICE

GENERAL ADVICE & ASSISTANCE

Australian Off Road are proud to offer the best quality products and customer service. If you have any concern with this system please contact Australian Off Road or their service representative.

SPARE PARTS

Spare parts are available for all components in this system from Australian Off Road. Should you require spare parts please contact Australian Off Road or their nearest service representative for assistance.

WARRANTY

The system Warranty period is for 12 months from the initial new sale and is transferable through this period. Our Warranty operates in addition to (and does not exclude, restrict or modify) any rights or remedies to which you may already be entitled under the Australian Consumer Law or any other relevant law relating to this product. Our Goods come with guarantees that cannot be excluded under the Australian Consumer Law.

If the product supplied has not performed as expected and you suspect it may fall into the consumer protection category please contact Australian Off Road for assistance.

FOR SUSPECTED WARRANTY CLAIMS - PLEASE CONTACT AOR BEFORE REPAIRS ARE CARRIED OUT.

