



**SWAY COMMAND® 1.5  
BY TRAILAIR  
(JAYCO)(AU)**

**OWNER'S MANUAL**

**L I P P E R T  
C O M P O N E N T S®**

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## Introduction

The Sway Command® system is a self-contained caravan stability control module that detects undesirable caravan movement from external sensors and mitigates it by adaptively applying a variable braking voltage to the left and right caravan electric brakes.

**Note:** The Sway Command System is not a replacement for using sway control bars when towing a caravan. Sway control bars should be used in conjunction with the Sway Command System.

The Sway Command® Tow Control system uses sensors to detect excessive caravan sway. The system activates automatically and applies voltage proportional to the amount of sway detected to the electric caravan brakes. This dampens the sway and slows the caravan down. When excessive sway is detected, the light pod will blink red and the tow vehicle operator may feel the caravan brakes activate until the sway is dampened.

## Causes of Sway

- When the tongue weight is less than 10% of the caravan's weight, it has a natural tendency to sway.
- Improper weight distribution hitch adjustments.
- Crosswinds.
- A transfer truck passing from the rear of the caravan.
- Descending inclines.
- Towing speeds.
- Tow vehicle not properly matched for the caravan.
- Improper loading, overloading and poor weight distribution on the caravan.
- Incorrect tyre inflation.

Additional information about this product can be obtained from [lci1.com/support](https://support.lci1.com/support) or by downloading the free myLCI app. The app is available on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users.

iTunes®, iPhone®, and iPad® are registered trademarks of Apple Inc.

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For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/sway-command-by-trailair> .

**Note:** Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

## Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the LCI limited warranty.

### **WARNING**

**The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury and/or severe product and property damage, including voiding of the component warranty, if not performed safely and within the parameters set forth in this manual.**

### **WARNING**

**Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.**

### **WARNING**

- **The Sway Command system installed on this caravan may be incompatible with certain manufacturers' brake controllers.**
- **Please refer to the website [www.lci1.com/sway](http://www.lci1.com/sway) for the most current list of brake controllers compatible with Sway Command. Also, refer to your vehicle owner's manual for any further instructions on your vehicle's brake controller function.**
- **Failure to determine compatibility between your brake controller, your tow vehicle and Sway Command may result in the sudden loss of brake controller braking, which can result in a loss of vehicle control and cause serious injury or property damage.**
- **Do not submerge the caravan. The Sway command is not designed to be submerged under water (Water Crossing). Extended submersion could cause Non-Warrantable damage.**

### **CAUTION**

**The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.**

### **CAUTION**

**The Sway Command controller is water-resistant, but not waterproof. Do not spray high pressure water directly at the controller.**

### **CAUTION**

**Always inflate tyres per manufacturer's specifications. In addition to causing sway, improper tyre inflation may cause premature tyre wear, poor handling, reduced fuel economy, or blowouts. Check tyre inflation weekly when the tyre is cold before operation.**

## Prior to Operation

Sway Command must be installed properly or it will not operate correctly.

- Caravan brakes must be adjusted per OEM specifications to ensure proper caravan braking. The tow operator must make sure caravan brakes are properly adjusted. Sway Command may not operate properly with improperly adjusted brakes. Discuss brake adjustments with the caravan OEM.
- Caravan brakes must be burnished to ensure proper caravan braking. New electric brakes may contain a coating to prevent rust during shipping. A non-burnished brake will reduce caravan braking capacity. The tow vehicle operator must make sure caravan brakes are properly burnished to ensure brakes are effective in slowing the tow vehicle. Sway Command may not operate properly with improperly burnished brakes. Discuss brake burnishing with the caravan OEM.

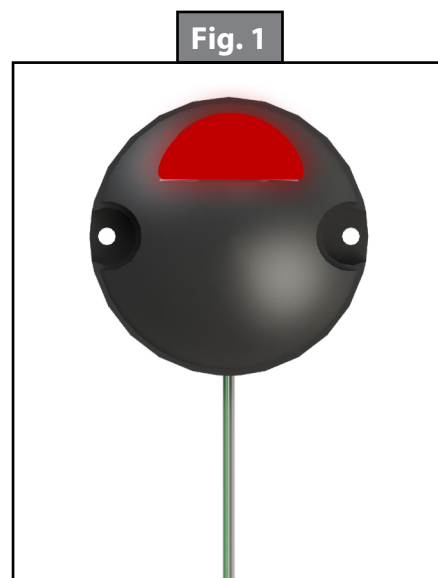
### **⚠ CAUTION**

**Always inflate tyres per manufacturer's specifications. In addition to causing sway, improper tyre inflation may cause premature tyre wear, poor handling, reduced fuel economy, or blowouts. Check tyre inflation weekly when the tyre is cold before operation.**

- Improperly adjusted tyre pressure can reduce braking effectiveness and can be a source of sway. Tyre pressure must be adjusted to the tyre manufacturer's recommended pressure.
- Tyres must have useful tread life left to ensure proper braking. Tyre tread below useful life could cause the caravan to skid during braking. The tow operator must make sure tyres have useful tread left.
- Improperly loaded caravans can be a source of sway. At higher speeds, if the caravan naturally sways, the tongue weight and/or caravan weight distribution must be adjusted. Sway Command could activate frequently in this situation causing excessive brake wear. Make sure proper hitch tongue weights are observed for the caravan.
- The tow operator must make sure Sway Command is operational by observing the Sway Command light pod status. Make sure the light pod is illuminated green. See the Light Codes and Troubleshooting section for status other than green.
- The operator should operate the tow vehicle as safely as driving and weather conditions allow. Sway Command relies on braking and tyre grip to mitigate sway, and overall effectiveness of the system may be reduced or impaired in slippery/icy driving conditions.

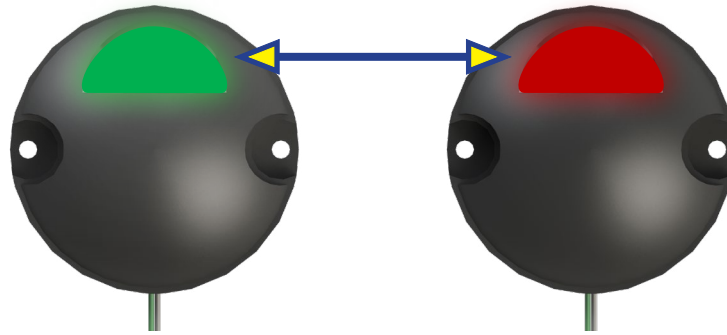
## Operation

When Sway Command detects excessive sway, the light pod will blink red (Fig. 1) and the tow operator may feel the caravan brakes activate until the sway is dampened.



Sway Command will “wake up” if it senses external brake activations. During wake up, Sway Command performs self-checks and alternately flashes the light pod lights green and red (Fig. 2).

Fig. 2



**Note:** The tow vehicle brake control module (BCM) applies brakes to the caravan when the tow operator presses on the tow vehicle brake pedal or activates a manual switch on the tow vehicle BCM. A tow vehicle BCM may be OEM factory installed or an aftermarket install.

The Sway Command light pod will be green if no issues are detected. If an issue is detected, the light pod will blink green once, followed by a number of red flashes. See the Light Codes and Troubleshooting section for additional information on blinking light codes.

Sway Command will enter a low power mode after 10 minutes when it senses no tow vehicle brake activation or movement. The Sway Command light pod will turn off when it powers down.

## Light Codes and Troubleshooting

In the event a tow vehicle brake controller detects a fault after Sway Command detects a sway event, manually activate the tow vehicle brake controller a few times to clear the fault.

What is happening?	Why?	What should be done?
Off	Sway Command is not powered and not active.	Sway Command is in low power. Activate tow vehicle brake to wake Sway Command. Sway Command is not connected to DC 12V power supply. Verify wiring.
Green, Red, Repeat	Wake up self-checks in progress	After a few seconds, the Sway Command will complete self-checks, and set the lights green if Sway Command is ready, or a flashing code if an issue is found.
Green Solid	Sway Command is awake and monitoring for sway.	Every five seconds there will be a brief time the green LED turns off for a fraction of a second. This indicates Sway Command is functional.
Red Blink (1/2 second on, 1/2 second off, repeats)	Sway Command detected sway event and is activating brakes.	After sway subsides, light will return to green.
Green, 2 Red	A short to 12 volt detected	Verify blue brake wire not shorted to 12 volt.
Green, 3 Red	Not connected to caravan brakes	Verify the blue brake wire is connected to the caravan brakes.
Green, 4 Red	A short to ground detected.	Verify the blue brake wire is not shorted to ground or caravan frame.
Green, 5 Red	Low voltage detected.	Verify tow vehicle and tow battery are at 12 volts.
Red Solid	Sway Command is not functional.	Disconnect harness, wait 10 seconds. Connect harness.
Red Fast Blink (100ms on, 100ms off, repeats)	Sway Command is not functional.	Disconnect harness. Wait 10 seconds then connect harness. If light comes on solid red, unplug Sway Command and contact service department.



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