

# TOW SECURE

## BREAK-AWAY SYSTEM

### Operating Instructions

Part Number 350-01250

The Tow Secure Breakaway System will automatically apply the Trailer Brakes and Trailer stop lights in the unlikely event that the Trailer accidentally separates from the Tow Vehicle.

### Tow Secure Control Module

Make sure that the control module is always accessible, so that the Test button is able to be pressed to perform Manual Test and to be able to replace the internal battery if necessary.

### Tow Secure Wireless Receiver

The Tow Secure Wireless Receiver must be mounted inside the Tow Vehicle and must be clearly visible to the driver.

The Wireless Receiver is powered via the Cigarette lighter plug.

### Tow Secure Switch

The Tow Secure Switch is mounted on the A frame of the trailer.

Care must be taken at all times not to place heavy or sharp items on top of the switch, if the switch or the wiring is damaged, the switch must be replaced.

### Automatic Self Test

The Tow Secure breakaway system will automatically perform a self test (every time the Tow Vehicle engine is started) and report to the Wireless Receiver the condition of the system and the condition of the internal battery.

- If, when the tow vehicle engine is started, everything is OK, the Wireless Receiver will emit 5 quick audible chirps.
- If, when the tow vehicle engine is started, a problem is detected with the Switch, the Wireless Receiver will emit an audible sound and the Breakaway LED on the Wireless Receiver will flash.
- If, when the tow vehicle engine is started, a low battery condition is detected, the Wireless Receiver will emit an audible sound and the 'Battery Low' LED on the Wireless Receiver will flash.

While towing, the Tow Secure Breakaway system, will (every 30 minutes) perform a battery test. If the system detects a low battery condition, the Wireless Receiver will emit an audible sound and the "Battery Low" LED on the Wireless Receiver will flash.

### Manual Test

**Disconnect the trailer plug from the Tow Vehicle before carrying out the Manual Test.**

**Manual Test Must be carried out before commencing each journey.**

Pull the pin out of the Switch and make sure that:

1. The trailer brakes are applied
2. The trailer rear stop lights turn ON
3. Audible sound and the Breakaway LED flashes on the Wireless Receiver.

Reinstate the pin on the Switch and make sure that:

1. The trailer brakes disengage
2. The trailer rear stop lights turn OFF
3. Audible sound and the Breakaway LED turns OFF from the Wireless Receiver

Momentarily push the "Press to Test" button on the Control Module.

1. The "Test OK" LED and the "Battery Normal" LED will turn ON to confirm that all is OK and the Wireless Receiver will emit 5 quick audible chirps.  
When the "Press to Test" Button is released the "TEST OK" LED will turn OFF and within 5 seconds the "Battery Normal" LED will also turn OFF.
2. If the system detects a problem with the Tow Secure Switch, the Wireless Receiver will emit an audible sound and the Breakaway LED will flash.
3. If the system detects a low battery condition, the Wireless Receiver will emit an audible sound and the "Battery Low" LED will flash.

### **Pairing up New Wireless Receiver to the Tow Secure Breakaway System**

If a new or extra receiver is required follow the procedure below to pair up new Wireless Receivers to the Control module:

1. Power up the new Wireless Receiver
2. Press and hold the test button on the Control Module for 20 seconds
3. When pairing is successful the two LED's on the new Wireless Receiver will turn on constantly
4. Release the Test Button and the two LED's on the wireless receiver will turn OFF

The Control Module and the Wireless Receiver are now paired together.

### **Charging the internal battery via the Tow Vehicle or the external CHR1000 charger**

The internal battery can be charged via the Tow Vehicle auxiliary line or via the CHR1000 charger.

The "ON CHARGE" LED on the Control Module will illuminate when the internal battery is being charged via the Tow Vehicle or the CHR1000 external charger.

The internal battery is constantly being charged while the Tow Vehicle engine is running.

If the internal Battery needs replacing only replace with a 12 volt 7 amp/hour sealed Lead battery.