

Final Test Procedure

1. Start with the parking brake on and the driver's door closed. Take precautions to ensure that the vehicle will not move when the parking brake is released.
2. Release the parking brake - the warning message *should not sound*.
3. Open the driver's door - the warning message *should sound*. (The Radio should silence if the radio mute is connected)
4. Close the driver's door - the warning message *should continue to sound*.
5. Apply the parking brake - the warning message *should stop*.

This test procedure should be repeated during normal vehicle maintenance routines.

More Commercial Vehicle Applications

O.W.L. recommend the use of "talking" alarms because they are proven to be more effective than conventional beepers and electronic sounders. However O.W.L. will supply units programmed with whatever sound the purchaser specifies. All "talking" alarms may be programmed with a personalised message (e.g. including the name of the vehicle operator) if specified at time of order.

REVERSING ALARM "ATTENTION...THIS VEHICLE IS REVERSING"

The alarm is directional and the warning message is only heard where it really matters - at the back of the reversing vehicle! Reversing alarms may be wired for automatic night-silent operation and a single Over-ride Unit is available to perform both day and night over-ride functions.

Of course if you still want a bleeper, the O.W.L. BackSounder is probably the best value model available.

DRIVER TRAPPED ALARM "HELP DRIVER TRAPPED INSIDE VEHICLE"

Designed specifically for fitting to freezer vehicles and refrigerated cabinets. A panic button inside the cabinet triggers a message outside the vehicle.

ATTACK ALARM "HELP...SECURITY VEHICLE UNDER ATTACK...CALL THE POLICE"

For use on cash-in-transit vehicles, buses and mobile libraries etc. May be triggered by internal alarm system or panic button. Gives a loud siren followed by an appropriate message.

STABILISER JACKS ALARM "DO NOT DRIVE...JACKS LOWERED"

Avoids the problem of vehicle being driven away with jacks down, causing considerable damage to road surface and vehicle alike.

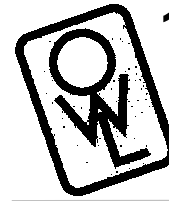
TAIL LIFT ALARM "STAND CLEAR...TAIL LIFT IN OPERATION"

Another alarm prevents pedestrians being severely injured by vehicles reversing with the tail lift partially down. "DO NOT DRIVE...TAIL LIFT NOT STOWED"

ANTI-BRIDGE-BASHING ALARM

A classic for tipper bodies, lorry loaders, crane jibs and extending platforms etc. The message may be personalised to the individual application e.g. "DO NOT DRIVE...TIPPER BODY RAISED".

If your application is not shown above please contact O.W.L. we specialise in specials!



12v Handbrake Warning System

O.W.L. Vehicle Electronic Systems Limited
113 Kettlebrook Road TAMWORTH B77 1AG
Tel 01827 60577 Fax 01827 60579

Suitable for connection to either positive or negative-switching interior light door switches and positive or negative-switching handbrake switches.

The Handbrake Warning System is suitable for direct installation on 12volt vehicles. For installation on 24volt vehicles a voltage dropper/converter is required. Linear or switched-mode converters may be used with 1.5amp capacity.

THE PROBLEM

Vehicle Runaways can result in death and serious injury both to driver and pedestrians.

The problem can occur with articulated vehicles and those with conventional towbars for small plant trailers and compressors, as well as skip loaders.

Having come to a standstill the vehicle will often remain stationary even without the parking brake applied. It is only when the trailer is disconnected or the payload unloaded that the danger materialises.

Then when the vehicle moves the driver is unlikely to be able to climb back into the cab to stop it.

Even where injury is narrowly avoided, considerable damage is often sustained by the vehicle and property.

Complete building demolition is a common result.

THE SOLUTION

The O.W.L. Parking Brake Warning System operates if the driver fails to apply the parking brake.

If the driver's door is opened without the parking brake being applied the system sounds a warning message

"DRIVER...APPLY THE HANDBRAKE"

The alarm will not reset until the brake has been applied, even if the door is closed.

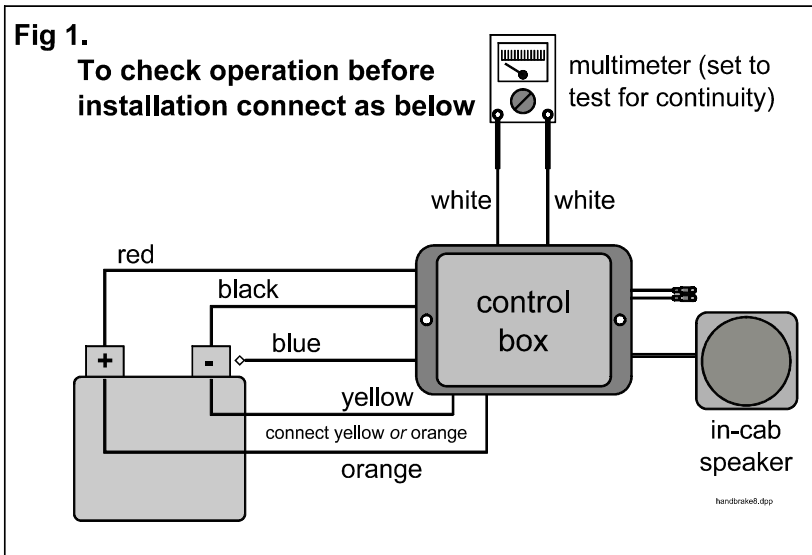
The message sounds inside the cab and, with an optional external speaker, outside the vehicle. So the driver is alerted even if he leaves the cab and closes the door behind him.

Now there can be no excuse for any driver to leave the vehicle unless the parking brake has been applied.

The runaway problem occurs far more frequently than many fleet operators care to admit. Incidents are often not reported unless injury or damage actually occurs. A near miss is usually concealed and management may be unaware that the danger exists. Unfortunately when an accident does happen it's usually a big one.

Operation of handbrake warning system

We recommend that you familiarise yourself with the system operation before installation, by connecting to a 12 volt vehicle battery or bench dc power supply as below.



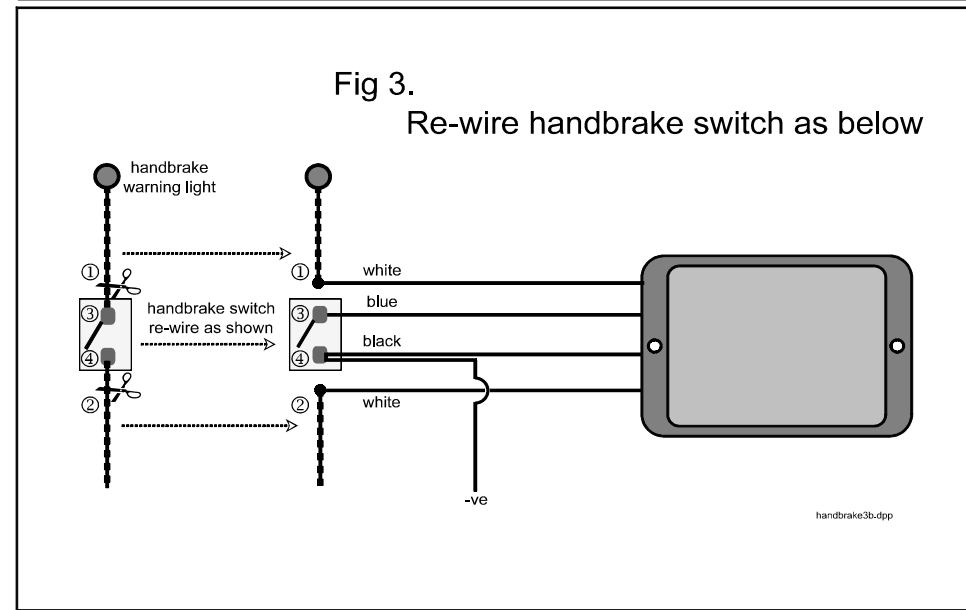
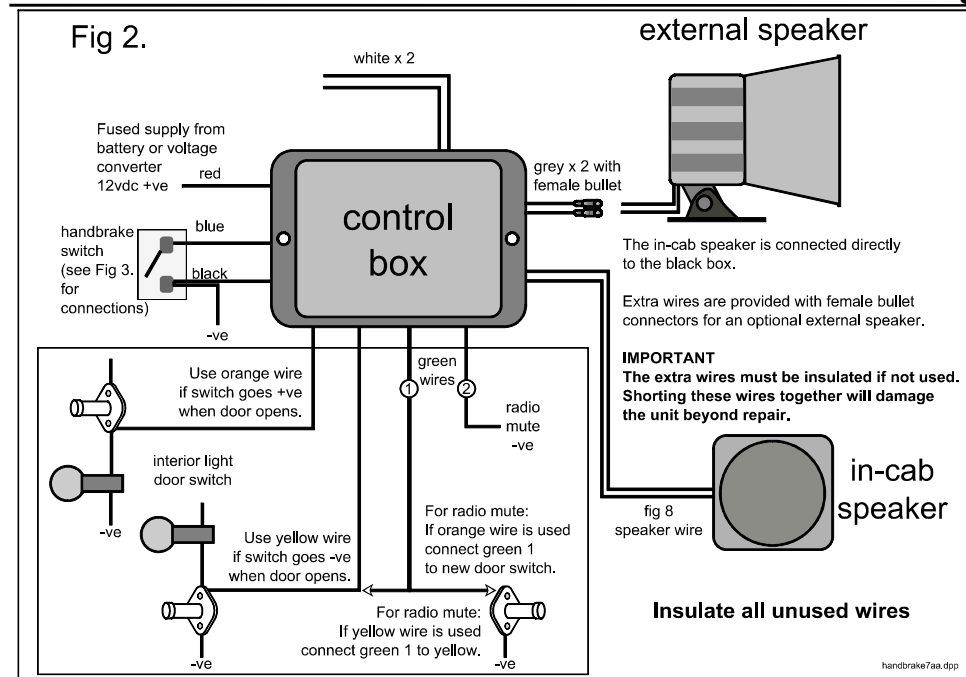
1. Connect red, black and 2 white wires as Fig 1 above. The meter should show *no continuity*.
2. Connect *either yellow or orange* wire as Fig 1 above and the warning message should sound. The meter should show *no continuity*.
3. Disconnect yellow (orange) wire and the warning message should continue to sound. The meter should show *no continuity*.
4. Connect the blue wire to -ve. The warning message should stop and the meter should show *continuity*.

IMPORTANT when fitting to the vehicle do not connect the red wire until all other connections have been made.

Fig 2 shows the basic wiring connections. Wiring to the handbrake switch should be disconnected and re-wired as shown in Fig 3.

If you need to cut the wires to the in-cab speaker to extend the wire or route through a hole, the wire must be cut and connection remade whilst the red wire is disconnected. The speaker wires must not be allowed to short together.

Connection to vehicle wiring



Please turn over for final test procedure