

INSTALLATION MANUAL

Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Tools Required

| | |
|----------------|--------------------|
| Wire cutters | Crimping tool |
| Wire strippers | Heat gun / lighter |

WARNING

Be sure not to lay tools across the positive (typically noted with red covers or a red '+' symbol). This can cause a ground to short causing sparks and / or electrical shocks.

NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

Before You Begin

Trailer Brake Controller Diode Kit.

Many vehicle systems have become complex and/or sensitive to the brake controller communicating manual braking to the vehicle brake lighting circuit. The result is a false error/fault code on your vehicle or brake controller. This kit resolves these issues by eliminating the communication. This does not impact the braking functionality of the brake controller (manual braking or normal braking).

WARNING

Neither the vehicle or trailer lights will illuminate with manual override use.

IMPORTANT: Read and follow installation manual carefully. Failure to do so could result in damage to the brake control unit, loss of trailer brakes or poor brake performance.

Step 1

If the trailer brake controller is mounted on a vehicle:

- Turn the vehicle off and disconnect the brake controller from the vehicle by disconnecting the black connector at the back of the trailer brake controller.
- Dismount the trailer brake controller from the mounting bracket.

Step 2

Locate the red wire on the brake controller. Using wire cutters, cut the red wire about halfway between the connector and the brake controller.

Step 3

Using wire strippers, strip approximately 1/4" of insulation of each cut wire.

Step 4

Place the supplied heat shrink tubing over one of the cut red wires and slide down, keeping the red wires exposed.

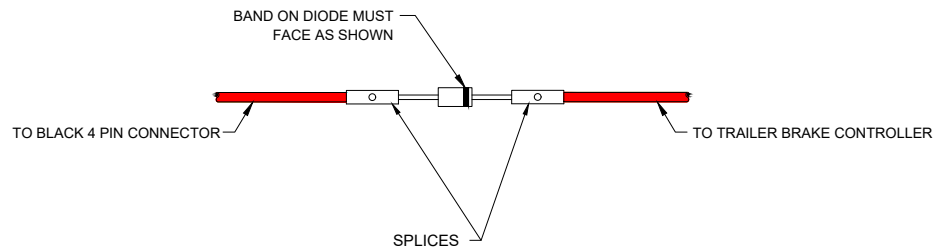
Step 5

Using a crimp tool, splice one end of the supplied splice terminals to one end of the cut and stripped red wire. Repeat with the second splice on the other stripped red wire.

Step 6

Place the supplied diode with the band of the diode orientated towards the brake controller. Crimp each end of the diode to the splices on the red wires.

Note: Ensure the crimps are secure.



Step 7

Slide the heat shrink tubing over the crimps and diode. Using a heat gun or lighter, heat the tubing to shrink it on to the wire.

⚠ CAUTION

Ensure there are no bare wires exposed. Failure to do so may damage the brake controller.

Step 8

Follow the instructions included with your brake controller for installation and testing.

⚠ WARNING

Brake lights will not illuminate with manual override use.