

RV TOW Harness Wiring Kit

INSTALLATION INSTRUCTIONS

Fits: Chevrolet/GMC 1500
Series Pickups

Kit Includes:

- (1) Wiring Harness
with 4-Flat Connector
- (1) 48" 4-Flat Extension
- (20) 15" Cable Tie
- (1) 4-Flat Bracket
- (3) #8 Self-Tapping Ground Screw

Tools Required:

- Wire Cutter & Stripper
- Terminal Crimping Tool
- Heat Gun

1. Read instructions thoroughly before beginning.
2. Locate vehicle's rear connection module located at the center of the truck underneath the bed near the frame rail shown in **Figure 1**. Locate the **Blue** connector and unplug from module taking care not to damage the locking tabs.



Figure 1

3. Pull out the bundle of wires from the conduit that lead to the **Blue** connector unplugged in **Step #2** shown in **Figure 2**.



Figure 2

4. Identify the following wire colors and functions.

Brown - Taillights
Brown - Taillights
Dark Green - Left Turn/Stop
Yellow - Right Turn/Stop

Note: There are two Brown wires used. One feeds the driver side and the other feeds the passenger side.

5. Using a wire cutter, cut one of the **Brown** wires approximately 12-14" from the **Blue** connector and strip the insulation 5/16" off of both ends. Identify one of the **Brown** wire pairs on the RV Harness labeled "Taillight Input (From Vehicle)" and "Taillight Output (To Module)". Crimp the breakout labeled "Taillight Input (From Vehicle)" to the **Brown** wire that comes from the front of the vehicle. Crimp the other breakout labeled "Taillight Output (To Module)" to the **Brown** wire that goes to the **Blue** connector. Repeat this process for the other **Brown** wire pair on the RV Harness and **Brown** factory wire.

6. Again using the wire cutter, cut the **Dark Green** wire approximately 12-14" from the **Blue** connector and strip the insulation 5/16" off of both ends. Identify the **Dark Green** wire pair on the RV Harness labeled "Right Turn/Brakes Input (From Vehicle)" and "Right Turn/Brakes Output (To Module)". Crimp the breakout labeled "Right Turn/Brakes Input (From Vehicle)" to the **Dark Green** wire that comes from the front of the vehicle. Crimp the other breakout labeled "Right Turn/Brakes Output (To Module)" to the **Dark Green** wire that goes to the **Blue** connector.

7. Again using the wire cutter, cut the **Yellow** wire approximately 12-14" from the **Blue** connector and strip the insulation 5/16" off of both ends. Identify the **Yellow** wire pair on the RV Harness labeled "Left Turn/Brakes Input (From Vehicle)" and "Left Turn/Brakes Output (To Module)". Crimp the breakout labeled "Left Turn/Brakes Input (From Vehicle)" to the **Yellow** wire that comes from the front of the vehicle. Crimp the other breakout labeled "Left Turn/Brakes Output (To Module)" to the **Yellow** wire that goes to the **Blue** connector.

8. Using a heat gun shrink the Red insulation on the butt connectors and plug the **Blue** connector back into the module.

9. Locate a clean and accessible mounting location on the vehicle near the RV harness ends within reach of white wire and ring terminal. Remove any debris or undercoating to expose a clean metal surface and drill a 3/32" hole.

Caution: Take care not to drill through the body or any exposed surface.

10. Attach ring terminal on the White wire using the ground screw provided.

11. Cut the cable ties on 4-Flat portion of harness. Begin routing towards the front of the vehicle following the factory harness shown in **Figure 3**.



Figure 3

12. Continue routing 4-Flat along the factory wire harness to front of vehicle securing it along the way with cable ties. Route up into the engine compartment along factory wiring harness shown in **Figure 4**.

Caution: Make sure to avoid areas that contain moving parts or could cut, pinch or burn the wires when routing the 4-flat harness towards the front of the vehicle. Also avoid routing harness near the fuel lines as it may cause the fuel to ignite.

Failure to follow these warnings may cause property damage, personal injury or loss of life.

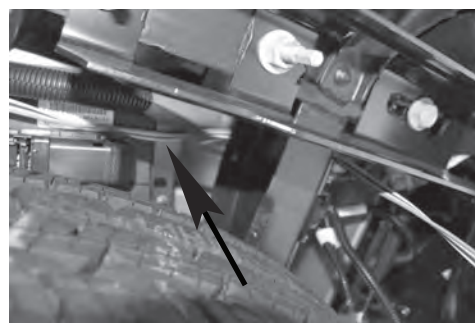


Figure 4

13. Locate the area in engine compartment along driver's side in front of the battery to mount 4-Flat bracket. Drill two 3/32" holes and attach the bracket using two screws shown in **Figure 5**.

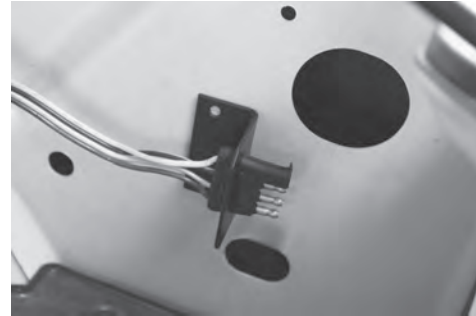


Figure 5

Caution: Take care not to drill through the body or any exposed surface.

14. With the 4-flat extension plugged into the RV harness on one end and the motorhome on the other, test that the functions work on the Chevrolet/GMC 1500 Series Truck. These functions will only work on the brake/tail combination lamp.

4-Flat Harness Color Code:

White - Ground
Brown - Tail Light
Green - Right Turn and Brake Signal
Yellow - Left Turn and Brake Signal

When not in use store the 4-flat extension in the vehicles glove box.

15. At the rear of the vehicle secure any loose wires to the vehicle's crossmember using cable ties provided.

NOTE: THIS RV HARNESS ALSO INCLUDES A CONNECTION POINT LABELED "FOR TRAILER TOW USE ONLY: 4-FLAT HARNESS REQUIRED." IF YOU DECIDE TO LEAVE YOUR RV HARNESS ON THE VEHICLE AT ALL TIMES AND WANT TO TOW A TRAILER SIMPLY PLUG IN 4-FLAT HARNESS PART NUMBER 58918 AND YOU'RE READY TO TOW.