1. Read instructions thoroughly before beginning.
2. Open the rear tailgate and using a Torx T20 screwdriver remove screws that hold both taillight assemblies to vehicle shown in Figure 1. Unplug connectors and inspect for dirt and debris and clean if necessary.
3. Starting on driver's side position the RV harness with connectors containing Yellow wires between separated vehicle harness connectors shown in Figure 2. Press connectors firmly into the vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged.
4. 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.
5. Attach ring terminal on the White wire using the ground screw provided.
6. Cut the cable ties on 4-Flat portion of harness. Route the remaining portion of the RV harness with connector ends containing the Green wire through the opening behind the taillight.
7. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side along the rear frame rail and secure the conduit to the existing factory wire harness shown in Figure 3 with the cable ties provided.
8. Using a fish tape or stiff wire route the portion of harness with the T-Connector ends containing Green wire up through the passenger side opening. Once T-Connector ends are routed into the taillight cavity repeat Step 3 for plugging.
9. Back on driver’s side route the 4-Flat portion of the RV harness along factory harness located on frame rail to front of vehicle securing with cable ties along the way up to drivers side front wheel well.
10. Using a 8mm socket remove bolt on drivers side wheel well area shown in Figure 5. Starting at the left side of driver’s side wheel well route a fish tape up and over to the right side. Secure 4-Flat connector to it and pull through wheel well cover.
11. Locate the front frame rail that goes across the front of the vehicle. Locate a suitable position to mount the 4-Flat bracket shown in Figure 6. Using the bracket as a template mark the two holes and drill two 3/32” holes and attach the bracket using the two remaining screws.
*Caution: Take care not to drill through the body or any exposed surface.*
12. With the 4-flat extension plugged into the RV harness one end and the motorhome on the other, test that the functions work on the Dodge RAM 1500. These functions will only work on the brake/tail combination lamp.

4-Flat Harness Color Code:
White - Ground
Brown - Tail Lights
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.
13. At the rear of the vehicle secure any loose wires to the vehicle's crossmember using cable ties provided. Re-install taillights to vehicle.