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Manual Battery Disconnect

part number 767

Installation and Operating Instructions

All specifications are subject to change without notice.

Note: The battery disconnect will only disconnect one battery; therefore, vehicles with two batteries will require two battery disconnects.

CAUTION

Failure to verify the safety of disconnecting the battery cables or failure to follow the owner's manual instructions may cause non-warranty damage to the vehicle's components.

It is the installer's responsibility to ensure that the battery cable can be safely disconnected. It is the owner's responsibility to ensure that all instructions in the vehicle owner's manual are followed when disconnecting the battery for towing.

CAUTION

The Manual Battery Disconnect is a convenient way to disconnect the vehicle's battery; however, disconnecting a vehicle's battery will affect the vehicle's electronics –

- You may need to reset dashboard presets, such as radio presets or seat and brake pedal presets.
- You may need to re-wire aftermarket electrical accessories, such as supplemental braking systems.
- Vehicles equipped with a Roadmaster braking system will require a brake light switch connected to the positive post on the vehicle's battery. Otherwise, the motorhome monitor will not indicate braking activity. Severe damage to the towed vehicle's brakes may result.

Manual Battery Disconnect wiring (Not to scale)

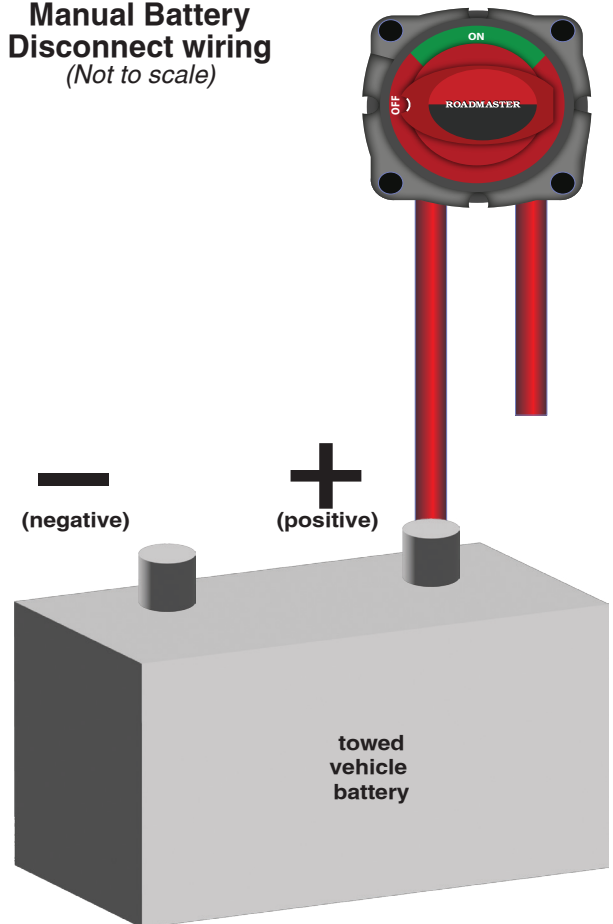
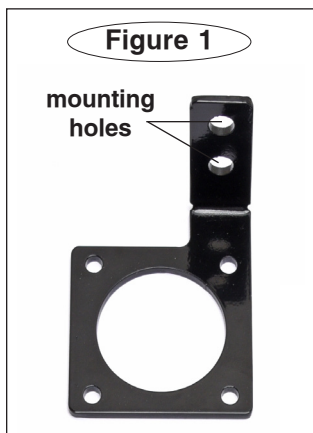


Figure 1



Installation

1. Follow the vehicle manufacturer's instructions to disconnect the battery cable.

2. Choose a location near the battery for the switch mounting bracket (Figure 1). This bracket can be used in many different orientations. Choose one that best fits your application. This mounting location must meet the following conditions:

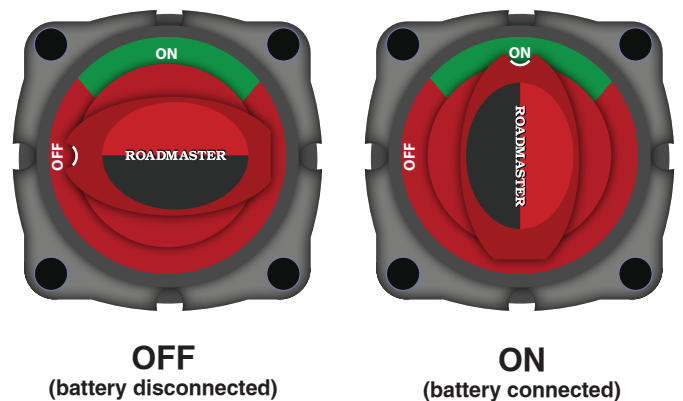
- It must be strong enough to hold the bracket in place.

- The cables must reach the positive battery terminal.
- Try to mount the switch in a location where it will be protected from direct road spray.

3. Position the mounting bracket at the chosen location and attach it using the self-tapping screws. Alternatively, drill 3/8" holes and use the 3/8" bolts, lock washers, flat washers and nuts. Use the best method for your particular installation.

4. Verify that the switch is in the OFF position before proceeding (Figure 2).

Figure 2



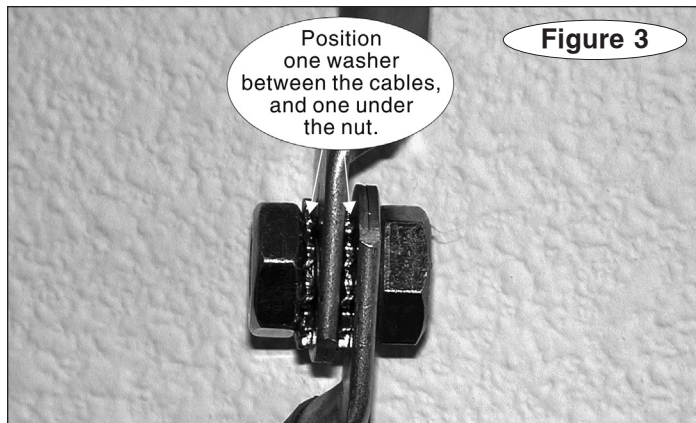
5. Use the included Allen head bolts and lock nuts to attach the switch to the bracket.

6. Connect either of the red cables to the positive terminal on the battery.

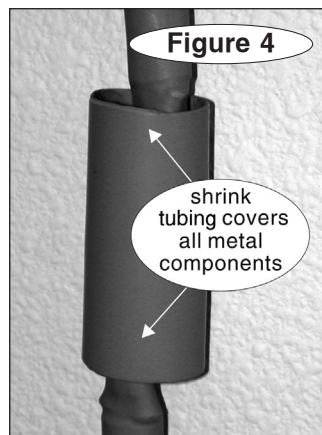
Note: If a brake light switch or other accessories must be energized while towing, make sure to connect the accessory to the positive side of the battery.

7. Now, slide the provided shrink tubing over the remaining cable and align the end of the cable with the end of the vehicle's positive battery cable. Connect the two cables together as shown in Figure 3. *Note: It is imperative that the star washers are positioned as shown.*

Note: If the end of the vehicle's battery cable has a diameter smaller than 5/16", use a 5/16" drill to enlarge it.



8. Slide the shrink tubing over the connection as shown in Figure 4. Be certain no metal is exposed. Seal the shrink tubing with a heat gun or similar device.



CAUTION

Make certain that no metal is exposed on either side of the shrink wrap. If metal is exposed, a short circuit may cause an electrical fire, which may cause severe, non-warranty damage to the vehicle.

9. Use the provided protective loom to protect all cables and connections.

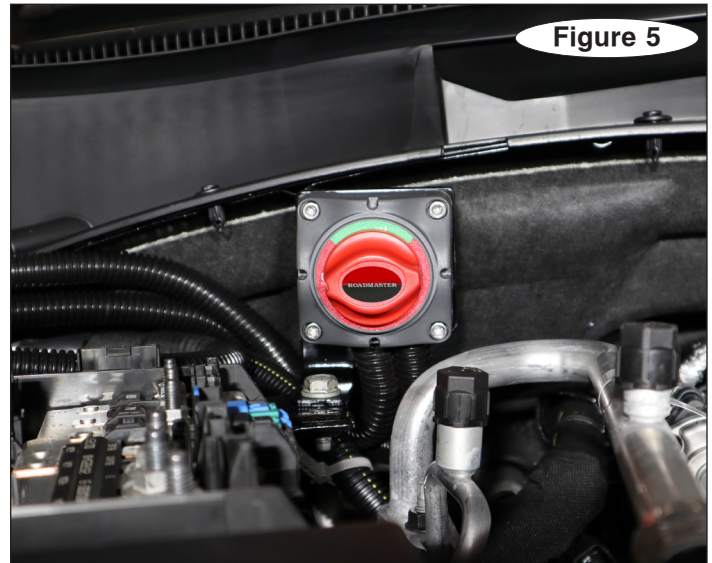
CAUTION

In order to prevent damage from a short circuit, cover the cables with the included protective loom. If the cables are not covered, a short circuit may cause an electrical fire, which may cause severe, non-warranty damage to the vehicle.

10. Secure the battery cables with zipties as needed to prevent shorting out the connectors through rubbing or chafing.

11. Following the manufacturer's instructions, reattach the negative cable to the vehicle's battery.

Figure 5 shows the completed installation with the battery switch in the OFF position.



12. Now test the battery disconnect to ensure it is working properly. Per the instructions above, do NOT cycle the switch more than once every 30 seconds.

OWNER MUST READ AND FOLLOW THE BELOW INSTRUCTIONS BEFORE OPERATING THE BATTERY DISCONNECT

1. **IMPORTANT!** Never disconnect the battery while the engine is running. This could result in the illumination of a 'Check Engine Light,' necessitating a dealership to reset it.

2. Do not turn the switch ON or OFF within a 30 second time period. Many newer vehicles have diagnostic tests that must be run during an initial start-up. If interrupted, this could cause the system to malfunction.

3. When disconnecting the battery for dinghy towing, follow the instructions in the vehicle owner's manual step by step. At the point in which the manual instructs you to disconnect the battery, turn the battery switch to the OFF position. When the owner's manual directs you to reconnect the battery, only then should you turn the switch to ON. Connecting or disconnecting the battery out of the proper sequence can result in significant, non-warranty damage to the vehicle's transmission or other important systems.

⚠ WARNING

Failure to follow the procedures above may result in significant, non-warranty damage to the vehicle.

CAUTION – DON'T LOCK YOURSELF OUT OF THE VEHICLE!

If your vehicle has keyless entry or has other powered features that could inadvertently lock you out without access once the battery has been disconnected, utilize a manual key option or roll down the window first.

Refer to your owner's manual for information on how to handle a dead battery situation, as this will be similar.