

Towed Vehicle Battery Maintainer

RE-TBM-001

TOOLS REQUIRED:

Wire Crimper, Side Cutters, Volt Meter or Test Light

Caution: Read all instructions before installing or using this device.

Failure to install or use this device correctly could result in injury or serious property damage.

This kit requires: 6 wire or 6 wire to 7 wire power cord between the vehicles with matching sockets.

Note: The RV must have a charge line installed.

Installation Instructions:

1. Attach the included length of red 14 gauge wire to the center pin in the towed vehicle's power socket.
2. Apply a silicone sealant to the socket terminals where the wires are connected. Make certain that all electrical connections in the socket are watertight. **Warning! Failure to seal socket terminals may allow stray voltage to energize other systems including braking systems leading to; severe brake system damage, loss of vehicle control, and damage to other electrical systems.**
3. Route the red wire to the towed vehicle's battery. If the towed vehicle's battery is not in the engine compartment then route the red wire to the positive battery post in the engine compartment. Choose a route that will avoid all moving parts, sharp edges, fuel lines, and hot components that could cause the possibility of a short circuit. **Warning! Wiring exposed by moving parts, sharp edges, or hot components may cause a short circuit resulting in damage to the vehicle's electrical system. Wiring attached in close proximity to fuel lines could ignite the fuel resulting in property damage, personal injury or even death.**
4. Cover the wire with the split loom to prevent contact with sharp edges and engine components. Use the cable ties provided to secure the wiring out of the way.
5. Locate the included circuit breaker on a flat surface within 6" of the positive battery post (the closer the better) where it will not interfere with the operation of any other vehicle components. Attach the circuit breaker using the two self tapping screws included. **Do not attach to battery!**
6. Route the red wire to the circuit breaker. Cut the wire and strip 1/4" of insulation from the wire. Crimp the wire onto one of the #10 ring terminals provided, and attach to the gold post of the circuit breaker marked "BAT" using the provided nut.
7. Strip 1/4" of insulation off the remaining length of red wire and crimp the wire onto the other #10 ring terminal provided and attach it to the silver post of the circuit breaker marked "AUX" using the provided nut.
8. Route the wire to the positive battery post and cut to length. Make sure the vehicle's engine is turned off and attach the wire to the positive post using the 5/16" ring terminal provided.
9. Ensure that a good ground exists between the frame of the towing vehicle and the frame of the towed vehicle.

To confirm the charge line is functioning: With the charge line connected from the RV to the towed vehicle and the RV engine running, remove the red wire from the towed vehicle's positive battery post. Attach a volt meter or test light from the red wire to the towed vehicle's ground. If the volt meter or test light indicates 12 VDC+, the charge line is functioning properly.

Kit Includes: 10' of red 14 gauge wire, 10' of split loom, (2) #10 ring terminals, (1) 5/16" ring terminal, (1) 15 amp circuit breaker (2) self tapping screws, (5) cable ties, (1) Crimping Tool, (1) dielectric grease



**Give Instruction Sheet
to Vehicle Owner.**

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