ROADMASTER

Towing and Suspension Solutions

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FuseMaster 76513

Installation and operating instructions

All specifications are subject to change without notice.

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 800-669-9690 Fax: 360-735-9300 www.roadmasterinc.com

Purpose

The FuseMaster 76513 will eliminate the necessity of removing a fuse for towing, then having to reinsert it for driving. After the installation you will flip a switch to accomplish the same purpose.

The FuseMaster 76513 is for vehicles which must have one 30- to 50-amp FMX style fuse removed from the engine compartment fuse box.

If two fuses must be removed, combine the FuseMaster 76513 with one of the mini single-fuse versions.

For a vehicle-by-vehicle fit list, visit www.roadmasterinc.com. Select the "Vehicle-Specific Info" menu tab.

Required tools

- multimeter
- power drill with Phillips head screwdriver bit and 5/8-inch bit or 5/8-inch flat auger bit

Safety Definitions

These instructions contain information that is very important to know and understand. This information is provided for **safety** and to **prevent equipment problems**. To help recognize this information, observe the following:

⚠ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in property damage, serious personal injury or even death.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTE

Refers to important information and is placed in italic type. It is recommended that you take special notice of these items.

Notice

ROADMASTER, Inc. assumes no responsibility for damage and accepts no liability in any way for the proper or improper use or installation of this product, including any warranty claims that may be considered voided by the towed vehicle manufacturer or for any consequential damage that may arise from its use.

Installation instructions

CAUTION

Read all instructions before installing or operating this device. Failure to understand how to properly install or operate FuseMaster could result in extensive property damage.

1. Remove the 2-amp fuse in the small fuse holder on the FuseMaster ground wire (Figure 1).

CAUTION

Do not insert any fuse into the fuse holders on the ground wire or harness unless instructed to do so, or the fuse may blow.

2. Refer to the towed vehicle owner's manual to determine which fuse must be removed for towing. Remove the fuse box cover and then the fuse.

Note: running changes may not be reflected in the owner's manual. ROADMASTER recommends calling the dealership to confirm which fuses must be removed.

Test-fit the fuse into the large fuse holder on the harness (Figure 1). If the fuse does not fit, you must purchase an FMX fuse of the same amperage to replace it.

Remove the fuse from the harness.

3. Confirm that the pins on the fuse you removed are the same size as the pins at the end of the red and blue connectors on the harness (Figure 1). The pins must match.

4. With a multimeter, identify which fuse terminal has 12 VDC+.

5. Insert the red connector (Figure 1) on the harness onto the terminal which has 12 VDC+. Insert the blue connector onto

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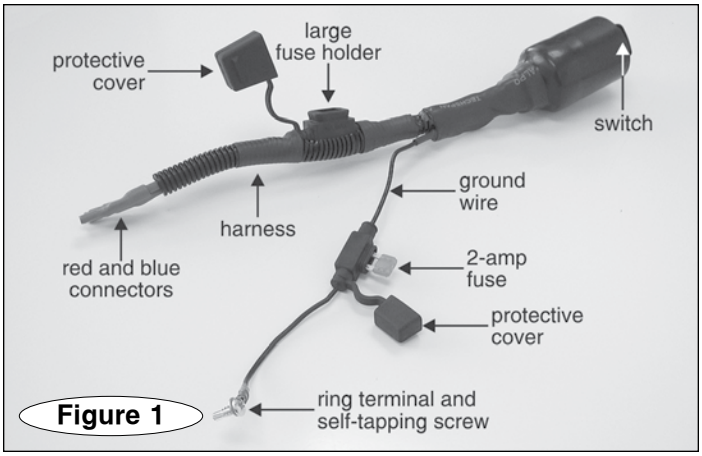

Figure 1

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the other terminal. Gently press both connectors down until they are fully seated (Figure 2).

6. Choose an attachment location – the ring terminal (Figure 1) will be attached to a suitable ground. It must be close enough to the fuse box so that when it is attached there will be sufficient wire to lay the FuseMaster harness in a convenient, accessible location.

The FuseMaster harness must be located where it will not interfere with the operation of any components or otherwise cause a hazard, and where the switch (Figure 1) will be easily accessible.

7. Attach the ring terminal at the end of the ground wire (Figure 1) to the ground stud next to the fuse box. If a ground stud is unavailable, use the included self-tapping screw (Figure 1) to attach the ring terminal to any good chassis ground.

Note: to avoid grounding problems, attach the wire to a good chassis ground.

CAUTION

Refer to the owner's manual before attaching the ground wire. Some manufacturers stipulate that ground wires must be attached at specific locations. Significant damage to the vehicle's electrical system, as well as other consequential, non-warranty damage will occur if the ground wire is not attached at one of these points.

8. IMPORTANT – reinstall the 2-amp fuse into the small fuse holder. Replace the protective cover (Figure 1).

CAUTION

To avoid damage to the FuseMaster, do not install a fuse of more than 2 amps into the ground wire fuse holder.

9. IMPORTANT – Install the fuse you removed from the towed vehicle into the large fuse holder; confirm that the fuse is fully seated. Replace the protective cover (Figure 1).

CAUTION

ALWAYS match the amperage of the fuse in the FuseMaster harness to the fuse removed from the towed vehicle. NEVER install a fuse with more than a 50-amp rating into the FuseMaster harness.

Failure to follow these instructions may cause severe damage to the vehicle's electrical components. Other consequential, non-warranty damage may also occur.

10. When the part of the switch with the white dot (Figure 3) is depressed it is in the "tow" position; when the part of the switch without a white dot is depressed it is in the "drive" position. If desired, mount the "drive" and "tow" stickers at the appropriate sides of the switch.

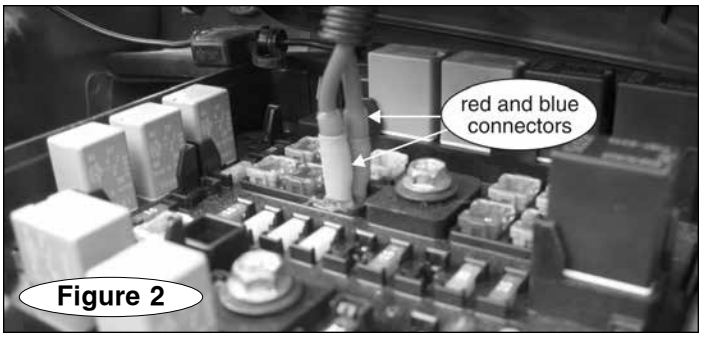

Figure 2

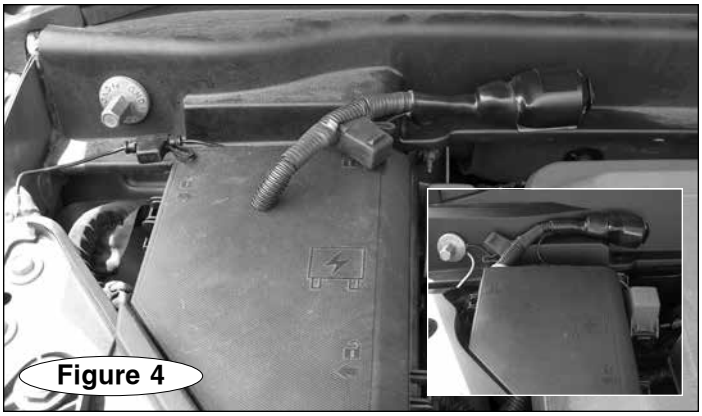
Figure 4

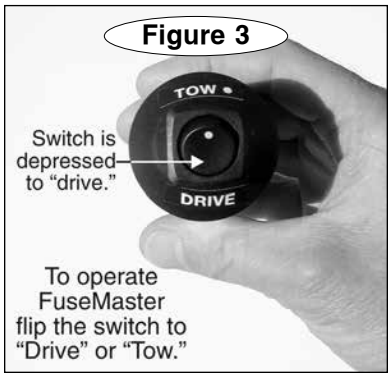

Figure 3

11. Test for proper operation – when the switch at the end of the FuseMaster harness is depressed to the "drive" position (Figure 3) the vehicle operates as before.

Turn the ignition key to the position recommended by the manufacturer for towing. Depress the FuseMaster switch to the "tow" position. All functions of the fuse you removed should be disabled.

If FuseMaster operates as described above, proceed with the installation. If not, see the Troubleshooting section.

12. Remove the red and blue connectors on the harness from the fuse box, noting which terminals they were inserted onto.

13. Based on the mounting location you have chosen for the harness, drill an access hole in the fuse box cover to route the wiring out of the fuse box. You can drill this hole: 1) directly over the fuse you removed (Figure 4); or 2) at a top side corner of the fuse box (inset, Figure 4).

14. Using a power drill with a 5/8-inch bit or a 5/8-inch flat auger bit, drill the access hole.

15. Feed the red and blue connectors through the hole.

Reinstall the connectors, making certain that the black protective loom extends through the hole.

Replace the cover, making certain that it is locked in place.

16. Completely seal the access hole with silicone sealant (not provided).

Note: failure to seal the access hole completely may allow water into the fuse box.

17. Attach the FuseMaster harness at the mounting location

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you chose earlier – use an alcohol swab on the FuseMaster harness and the corresponding point in the engine compartment, then affix the provided strips of Velcro to them.

⚠ WARNING

Never flip the switch to the "tow" position while driving. If the switch is flipped, the electrical functions of the switch FuseMaster has replaced will be lost.

A loss of power steering, power brakes and/or a loss of vehicular control may result.

Failure to follow these instructions may cause property damage, personal injury or even death.

Troubleshooting

If FuseMaster fails to operate as described, confirm that…

- …you have identified the correct fuse to remove.
- …the connectors are fully seated in the correct position and not touching each other – if the connectors are reversed, FuseMaster will not function.
- …the correct fuse is installed in each fuse holder and neither fuse has blown.
- …the ground wire is properly grounded.