ROADMASTER Limited Warranty

1. **WARRANTY**

1a. **WARRANTY OF CONFORMITY AT TIME OF SALE**

ROADMASTER, Inc. warrants that at the time of sale of this product it will be free from defects in material and manufacture and will conform to ROADMASTER'S specifications for the product.

1b. **CONDITIONAL ONE-YEAR WARRANTY**

In addition to the preceding time-of-sale warranty, ROADMASTER will provide an additional warranty that for a period of one year after sale the product will remain in good working order, PROVIDED THAT the product is installed and maintained in accordance with ROADMASTER'S instructions and is not subjected to: (a) alteration or unauthorized repairs or repairs by anyone other than ROADMASTER or a ROADMASTER-authorized service center, (b) misuse, abuse, commercial use, or improper maintenance, (c) Acts of God (including without limitation hurricanes, tornadoes, floods, or other severe weather or natural phenomena), (d) failures due to products not supplied by ROADMASTER, or (e) other treatments, uses, or installations for which the product was not intended. This warranty extends only to the first retail purchaser-consumer of the product and is not transferable.

2. **DISCLAIMER OF OTHER WARRANTIES**

The preceding warranties are the exclusive and sole express warranties given by ROADMASTER. They supersede any prior, contrary or additional representations, whether oral or written. No agent, representative, dealer or employee has the authority to alter or increase the obligations or limitations of this warranty. Any implied warranties, including the WARRANTY OF MERCHANTABILITY and any WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, are limited in duration to thirty days or the term of the applicable express warranty provided above, whichever is longer.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

3. **EXCLUSIVE REMEDY FOR ANY NONCONFORMITIES**

If during the applicable Warranty Period, the product does not conform to the preceding Warranties, notify ROADMASTER as provided below, and within a reasonable time ROADMASTER will provide, at its option, one of the following: (1) replacement components for any nonconforming or defective product or components or (2) the percentage of the purchase price for the nonconforming product equal to the percentage of the Warranty Period remaining when ROADMASTER is notified of the nonconformity. ROADMASTER will, at its option, (a) use new and/or reconditioned parts in performing warranty repairs and making replacement products, (b) use parts or products of original or improved design in the repair or replacement. If ROADMASTER repairs or replaces a product, its warranty continues for the remaining portion of the original Warranty Period or 60 days from the date of the return shipment to the customer, whichever is greater. All replaced products and all parts removed from repaired products become the property of ROADMASTER. ROADMASTER will not provide, and will not be liable for, labor, costs of removal or reinstallation of components, disposal, shipping, freight, taxes, or other incidental charges.

THESE REMEDIES ARE THE EXCLUSIVE AND SOLE REMEDIES FOR ANY BREACH OF WARRANTY.

For any breach of warranty, the Owner must telephone ROADMASTER at 1-800-669-9690 within thirty (30) days after discovering the nonconformity. Do not return any product without first calling ROADMASTER and getting a return authorization number. Returned products must include the return authorization number and a copy of the original invoice, bill or other proof of the date of purchase. ROADMASTER will authorize (a) shipment of the product to ROADMASTER or (b) repair or replacement at the nearest warranty service center–in both cases with shipping at your expense. Do not purchase replacement parts or pay for repair labor–you will not be reimbursed. Compliance with the requirements of this paragraph is a condition to coverage under the Warranty: if these requirements are not complied with, ROADMASTER will have no obligation to provide any remedy for any breach of warranty.

4. **DISCLAIMER OF INCIDENTAL AND CONSEQUENTIAL DAMAGES**

IN NO EVENT SHALL ROADMASTER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

5. **APPLICABLE LAW**

This Warranty will be interpreted, construed, and enforced in all respects in accordance with the laws of the State of Oregon, without reference to its choice of law rules. The U.N. Convention on Contracts for the International Sale of Goods will not apply to this Warranty.

6. **SEVERABILITY**

If any provision of this warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect, and the invalid provision shall be partially enforced to the maximum extent permitted by law to effectuate the purpose of the agreement.

7. **ADDRESS FOR NOTICES TO ROADMASTER**

ROADMASTER, Inc., 5602 N.E. Skyport Way, Portland, OR 97218

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

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Taillight Wiring Kit with Bulbs

part #155

Wiring and Installation Instructions

Quality Towing Systems Since 1974

ROADMASTER, Inc. • 5602 N.E. Skyport Way • Portland, OR 97218
800-669-9690 • Fax 503-288-8900 • www.roadmasterinc.com

All illustrations and specifications contained herein are based on the latest information available at the time of publication. ROADMASTER, Inc. reserves the right to make changes, at any time, without notice, in material, specifications and models, or to discontinue models.

IMPORTANT NOTICE!

Safety Definitions

Statements in these instructions identified as follows are of special significance:

⚠ 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, or minor or moderate personal injury.

CAUTION

CAUTION used without the safety alert symbol 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.

Installation Instructions

1. Gain access to the back of the towed vehicle's taillight assembly – both the driver side and the passenger side.

In many vehicles, you can access the taillights by removing the trim panel on the interior of the vehicle. The taillights of many pickups and SUVs, however, can only be accessed by unbolting the taillights from the exterior of the vehicle.

Leave all of the existing wiring connected to the taillight assembly.

2. Look for a mounting point for both of the Taillight Wiring Kit sockets, inside the vehicle's taillight assemblies. Each socket must be installed beneath a red lens – do not install the sockets beneath clear or amber lenses.

⚠ WARNING

Unless both sockets are mounted beneath red lenses, the towed vehicle's brake light signals will not be red. Drivers behind the towed vehicle will not be alerted when the motorhome stops, which may cause an accident, resulting in property damage, personal injury or even death.

Make certain that there is adequate clearance to fully insert each socket, with a minimum of 1/4" between the existing lens and the new bulb.

CAUTION

If the new bulb is mounted closer than 1/4" from the existing lens, the lens will melt and/or discolor.

If there is no mounting point that meets the above conditions, do not install the Taillight Wiring Kit. Instead, install a Universal Wiring Kit (part number 154) or Magnetic Tow Lights (part number 2100 or 2120).

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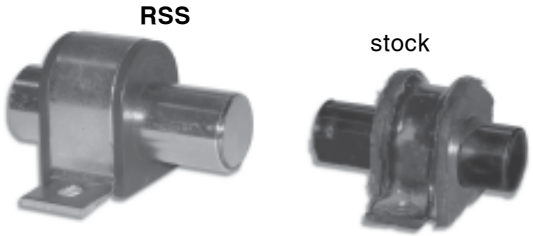
— ADVERTISEMENT —

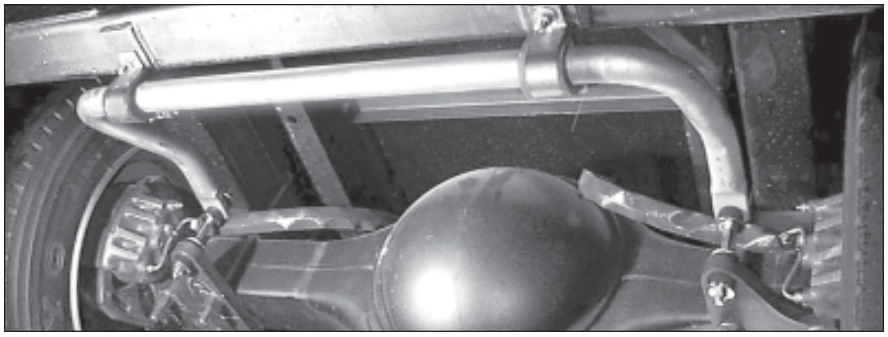
A 'Wow!' difference in RV control...

A remarkable improvement in stability and cornering control – for motorhomes or any large vehicle, especially towing combinations – is just a few bolts away. Anti-sway bars from Roadmaster Suspension Solutions deliver a "Wow!" difference in RV control you'll notice the first time you turn the wheel.

- **20 years of experience** in the RV industry
- for **motorhomes, trucks, vans** and **SUVs**
- over 60 kits, each one **custom-designed** for a specific chassis and suspension system
- large diameter, cadmium-plated **4140 chromoly steel bars**, with heavy-duty **polyurethane bushings**
- **easy installation** – in most cases, eight bolts
- **Each kit comes complete** with heavy-gauge mounting hardware, easy-to-follow instructions, and the bushing lubricant.
- **website product locator** (Visit www.roadmasterinc.com; select 'Products,' then 'Anti-Sway Bars,' then 'Search for anti-sway bars by vehicle.') finds the kit for your chassis.



A HIGH-GRADE ALLOY AND A BETTER PIVOT POINT *The stock anti-sway bar (on the right) has a small diameter, 1020 grade spring steel, and a rubber bushing. The RSS anti-sway bar (to the left) has a large diameter, 4140 chromoly steel, and a polyurethane bushing, making it many times more resistant to sway.*



A CADMIUM-PLATED RSS ANTI-SWAY BAR *bolted in place. Most installations take about the same amount of time as shock absorbers.*

ROADMASTER SUSPENSION SOLUTIONS

for more information…
Call Roadmaster (800-669-9690),
or visit www.roadmasterinc.com.

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each wire entry and set screw indentation – this will help weatherproof the socket and secure the set screws.

6. If the motorhome does not have the correct wiring socket already, you can replace it with the new socket for the four-wire cord, and connect the appropriate wires to the new socket, according to Figure 5.

7. Now, connect the four-wire electrical cord to the motorhome and to the towed vehicle. Test the towed vehicle's turn signals, park lights and brake lights to ensure they mimic the motorhome's.

⚠ WARNING

If the plugs and sockets are not properly wired, the electrical connection will not function, and the towed vehicle's turn signals and brake lights will not mimic those of the motorhome.

Drivers behind the towed vehicle will not be alerted by turn signals or brake lights, which may result in an accident, causing property damage, personal injury or even death.

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3. After you have found a mounting point for the Taillight Wiring Kit sockets, drill a circular hole, with a 1" diameter, into each taillight housing.

The hole must be circular, in order to accept the Taillight Wiring Kit socket.

Although a hole saw is adequate for most installations, a Dremel tool, or a die-grinder, may be necessary if the clearance is tight.

⚠ WARNING

Before drilling, make certain you will not damage any wiring or other components on the other side. Severe electrical shock, damage to the vehicle's electrical system or other components, and/or other, consequential non-warranty damage may occur.

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

4. Now, fit each Taillight Wiring Kit socket into the 1" holes you drilled. The sockets have a spring-loaded housing, and will "snap" into place.

Verify that both of the sockets are fully seated into the vehicle's taillight assemblies.

5. Cut the molded four-wire connector off one end of the included wiring harness. Route the wiring harness from the front of the towed vehicle, near the electrical socket, to the passenger side taillight assembly, then over to the driver side taillight assembly.

Avoid lines, hoses, sharp edges, moving parts or "hot" components, such as the exhaust system, as you route the wire. Where appropriate, use wire ties to secure the wiring harness.

Note: where sharp edges cannot be avoided, use plastic wire loom (not included) to protect the wiring.

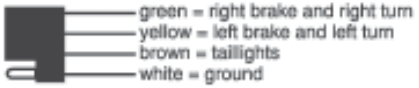
If it is necessary to drill a hole to properly route the wiring harness, seal the hole with a silicone sealant.

6. Split the wiring harness and pull the green wire over to the passenger side. Cut the green wire to length.

Using the supplied butt connectors, make all of the wiring connections as shown in Figure 1.

7. Refer to Figure 2 to verify that the molded four-wire connector on the front of the towed vehicle has been properly connected.

Figure 2



⚠ WARNING

Connect "hot" wires to shielded terminals. Connecting a hot wire to an unshielded terminal could cause a short circuit, which may result in damage to the towed vehicle's electrical system or other components, an electrical fire, and/or other consequential, non-warranty damage.

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

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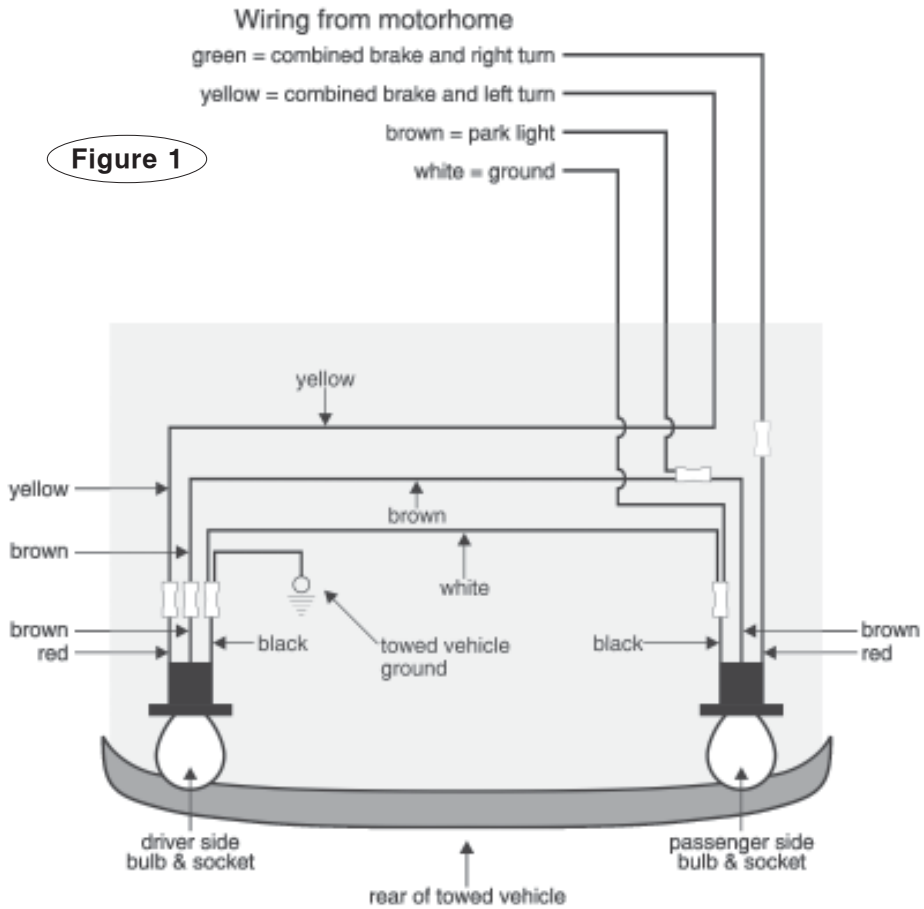

Figure 1

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If the motorhome is already wired, use a test light to verify that the wiring matches Figure 2. Rewire, if necessary.

If the motorhome is not wired, install the remaining four-wire flat connector to wire the motorhome, according to Figure 2.

If the motorhome has separate brake and turn signals (Figure 3), it will be necessary to install an optional Brite-Lite Wiring Converter (part number 732).

The installation is complete.

8. Use the provided six-foot electrical 'patch cord' (umbilical cord) to connect the two vehicles' brake light, turn signal and park light systems.

9. With the two vehicles ready for towing, test the lights for proper operation. In particular, make certain that the brake

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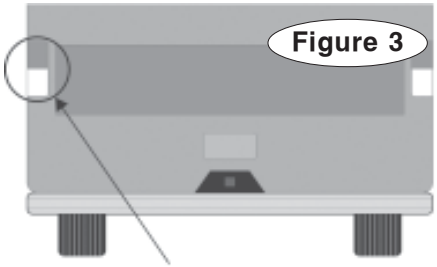

Figure 3

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light is brighter than the park light.

If the brake light is not brighter than the park light, remove the bulb, reverse the 'pigtail' connection in the base of the socket, and reinstall the bulb.

Do not tow the vehicle until the lighting system is functioning properly.

⚠ WARNING

By law, a towed vehicle's lights must function properly. If the brake light is not as bright as the park light, drivers behind the towed vehicle will not be alerted when the motorhome stops, which may cause an accident.

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

Installing the optional four-wire Flexo-Coil cord

Use the instructions below to install an optional Flexo-Coil electrical cord, in place of the electrical 'patch cord' provided in the Taillight Wiring Kit.

1. Wire the vehicle to match the plug, as shown in Figure 4. Apply a silicone sealant to the wires where they attach to the plug – this will help prevent damage from moisture and corrosion.

2. Find a suitable location to install one of the electrical sockets that came with the Flexo-Coil kit on the front of the towed vehicle, in reach of the existing four-wire harness you installed with the Taillight Wiring Kit.

3. Loosen the set screw at the back of the socket, and push the inner connector out the front. Now, run the four-wire harness through the back of the housing.

4. Loosen all of the set screws on the side of the socket, and connect the wires to the back of the socket, as shown in Figure 5. Or, wire the socket to match the existing wiring on the motorhome.

5. Tighten all the set screws, and check each wire to ensure that it is secure. Apply a clear silicone sealant around

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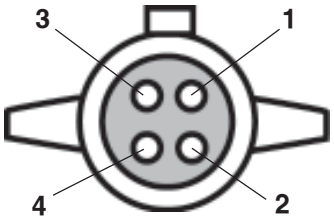

Figure 4

front of plug on 4-wire cord

Socket Pin Number	Wire Color	Motorhome	Towed Vehicle
1	Yellow	Left turn / Stop	Left turn / Stop
2	White	Ground	Ground
3	Red	Right turn / Stop	Right turn / Stop
4	Black	Taillight	Taillight

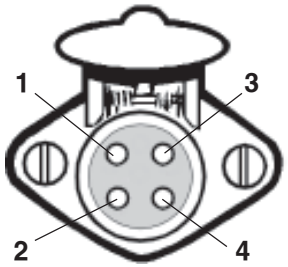

Figure 5

front of 4-wire socket on towed vehicle and motorhome

Socket Pin Number	Wire Color	Motorhome	Towed Vehicle
1	Yellow	Left turn / Stop	Left turn / Stop
2	White	Ground	Ground
3	Green	Right turn / Stop	Right turn / Stop
4	Brown	Taillight	Taillight