

HAUL-MASTER®



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| Model | 67650 |
| | 94768 |
| | 94769 |
| | 94770 |
| | 94771 |

TRAILER COUPLERS

ASSEMBLY AND OPERATING INSTRUCTIONS



WARNING! IMPORTANT INFORMATION

The installed Ball Coupler **MUST** be properly secured to the hitch ball of the towing vehicle. After assembly and attachment, pull up and down on the Ball Coupler to make sure the hitch ball is fitting snugly on the Hitch Ball. There must be no play between the hitch ball and Ball Coupler. If there is play, tighten the Adjustment Nut until no play is present. If the Adjustment Nut is too tight, the Handle will not lock. Carefully read and follow the complete instructions in this manual **BEFORE** setup or use.

If the Ball Coupler is not secured properly, it could come loose while the trailer is in motion, possibly causing property damage, **SERIOUS PERSONAL INJURY**, or **DEATH**.

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

SPECIFICATIONS

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|-------------|---|
| Model 94768 | 1-7/8" Ball Coupler, 9" (L) x 2-1/8" (H) x 3-1/4" (W); Fits 2" channel; spring loaded collar, 2000 Lb. GVWR*, weight: 2.9 Lbs.; Meets V5 and SAE J684 standards Class I. |
| Model 94769 | 1-7/8" Ball Coupler, 9" (L) x 2-1/8" (H) x 3-3/8" (W); Fits 3" channel; spring loaded collar, 2000 Lb. GVWR*, weight: 2.8 Lbs.; Meets V5 and SAE J684 standards Class I. |
| Model 94770 | 1-7/8" Ball Coupler, 9" (L) x 2-1/8" (H) x 3-3/8" (W); Fits 2-1/2" channel; spring loaded collar, 2000 Lb. GVWR*, weight: 2.8 Lbs.; Meets V5 and SAE J684 standards Class I. |
| Model 94771 | 2" Ball Coupler, 10-7/8" (L) x 2-1/4" (H) x 4-1/2" (W); Fits 2-1/2" channel; spring loaded collar, 3,500 Lb. GVWR*, weight: 4.4 Lbs.; Meets V5 and SAE J684 standards Class II. |
| Model 67650 | 2" Ball Coupler, 11" (L) x 2-1/4" (H) x 3" (W) Fits 3" channel; spring loaded collar, 3,500 Lb. GVWR*, weight: 4.3 Lbs.; Meets V5 and SAE J684 standards Class II. |
| | * Gross Vehicle Weight Rating |

UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this document as soon as possible.

SAVE THIS MANUAL

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

SAFETY WARNINGS AND PRECAUTIONS

WARNING! When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

- Keep work area clean.** Cluttered areas invite injuries.

- Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- Use the right Ball Coupler for the job.** Do not attempt to force a small Ball Coupler to do the work of a larger industrial coupler. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify a Ball Coupler and do not use one for a purpose for which it was not intended.
- Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts.
- Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
- Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.
- Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

12. **Maintenance.** For your safety, service and maintenance should be performed regularly by a qualified technician.

PRODUCT SPECIFIC SAFETY PRECAUTIONS

1. **Do not exceed the Gross Vehicle Weight Rating of the truck.**
2. **Before each use, always examine the trailer (not supplied) for:** proper tire air pressure, damaged tail lights, damaged side running lights, loose bolts and nuts, structural cracks, bends, and any other condition that may affect safe operation. Do not use a trailer when minor damage appears.
3. **Never allow adults, children, or pets to ride in the trailer.**
4. **Before each use, always attach the safety chains (not supplied) of the trailer to the towing vehicle.** Make sure the safety chain is attached to the towing vehicle with the same length for each side. Do not allow the safety chain to drag on the ground.
5. **Verify that the payload being transported is properly and safely secured in the trailer.** Load the trailer evenly from side to side with 60% of the load forward of the Axle.
6. **The towing vehicle must be capable of towing the trailer and its payload.** Verify that the towing vehicle hitch (not included) is capable of towing the weight of the trailer and its payload. The towing capacity of the hitch is typically stamped on the Hitch drawbar.
7. **Make sure the Ball Coupler and the vehicle's ball hitch** (not included) are of equal mating size (see Specifications on page 2), and are rated equal to, or greater than, the weight of the trailer and its payload.
8. **Do not exceed 45 miles per hour when towing a trailer.** Excess speed is a major cause of vehicle-trailer accidents.
9. **Whenever possible, park the trailer on a flat, level, paved, surface** and chock both tires to keep the trailer from accidentally moving.
10. **Industrial applications must follow osha requirements.**

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover

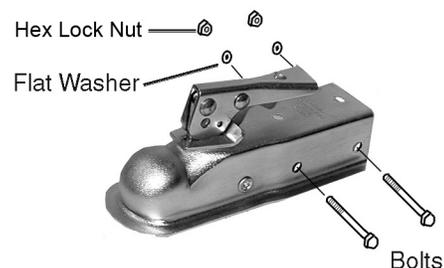
all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

OPERATION

1. Place the Ball Coupler on the trailer Tongue (not supplied). See illustrations below and on next page. The Tongue width (usually marked on the Hitch) must exactly match with width of the Ball Coupler (see Specifications on page 2); otherwise, do not use.
2. Match up the holes in the side of the Ball Coupler with the holes in the trailer Tongue. See illustration on this page. If no holes are present, use the Ball coupler as a template, mark the Tongue through the holes and drill. Be certain that the Ball Coupler is well seated on the hitch before marking for drilling.

Note: Before drilling, check for hidden wires in the drilling path. If you are not familiar with drilling and mounting the Ball Coupler, have a qualified service technician do it.

3. Acquire two SAE Grade 5 or Metric Grade 8.8 steel bolts the same diameter as the holes in the Ball Coupler, and 1/2 inch longer than the width of the Ball coupler. Also acquire two flat washers, and two hex lock nuts. (Hardware not supplied.)
4. Place the Bolts through the Ball Coupler holes (shown below), and secure from the other side first with the flat washer, then the hex lock nut. Securely tighten with a wrench (not supplied).

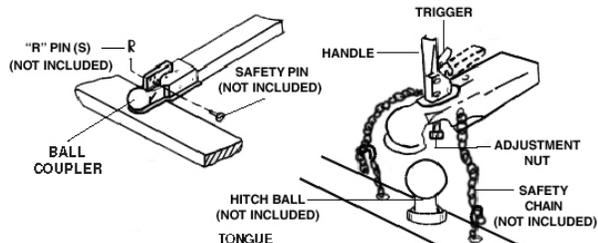


5. To reduce friction between the Tongue ball and Coupler, apply a layer of heavy weight grease over the Tongue ball. Refer to the illustration on the next page.

6. Pull up on the Trigger and lift up on the Handle.
7. With assistance, place the Ball Coupler over the vehicle's Tongue ball and pull back on the Trigger and push down on the Handle until the Trigger locks in the slot. Pull up and down on the Coupler to make sure the Tongue ball is fitting snugly in the Coupler. There should be no play between the Tongue ball and the Ball Coupler.
8. Attach a Safety Pin and "R" Pin (both not included).
9. Attach each side of the Safety Chain (not supplied) equally to the towing vehicle's rear bumper or frame.

CAUTION: If there is play, tighten the Adjustment Nut until no play is present. If the Adjustment Nut is too tight, the Handle will not lock. Failure to properly adjust can result in uncoupling.

After the Adjustment Nut is properly adjusted, pull back on the Trigger and push down on the Handle until the Trigger locks in the slot. Pull up on Handle firmly to make sure the Trigger is locked in place and the Handle cannot move.



MAINTENANCE

1. **Before each use**, inspect the general condition of the Trailer. Check for loose Bolts and Nuts, misalignment or binding of moving parts, cracked, bent, or broken parts, excessively worn Safety Chain, damaged Tail Lights/Side Running Lights/Wiring Harness, loose Lug Nuts, loose Tongue connection, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged** equipment.
2. Before each use check the Ball Coupler for a tight fit on the hitch ball as described in the "Caution" on this page.
3. There are no customer replaceable parts on the Ball Coupler.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353