Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 24e

HAUL MASTER

TRAILER COUPLERS



67650	**2″ x 3″**
94768	**1-7/8″ x 2″**
94770	**1-7/8″ x 2-1/2″**
94771	**2″ x 2-1/2″**

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

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

Specifications

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 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	

IMPORTANT SAFETY INFORMATION

Use Precautions

1. This product is not a toy. Do not allow children to play with or near this item.
2. Use as intended only.
3. Inspect before every use; do not use if parts are loose or damaged.
4. Do not exceed listed weight capacity. **Be aware of dynamic loading!** Sudden load movement may briefly create excess load causing product failure.
5. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

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. M**ake 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.**
11. The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

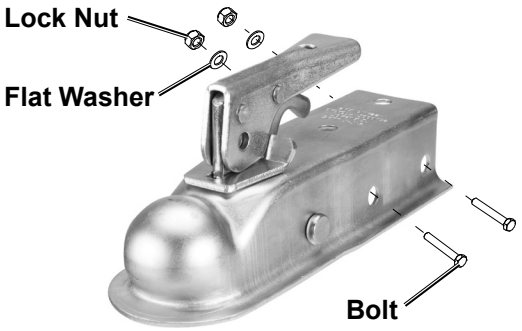
Operation

Read the <u>ENTIRE</u> IMPORTANT SAFETY INFORMATION section at the beginning of this document including all text under subheadings therein before set up or use of this product.

1. Place Ball Coupler on trailer Tongue (not supplied). See illustrations below. 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. Align holes in side of Ball Coupler to holes in trailer Tongue. See illustrations Below. If no holes are present, use Ball coupler as a template, mark Tongue through holes and drill. Be certain that Ball Coupler is well seated on hitch before marking for drilling.

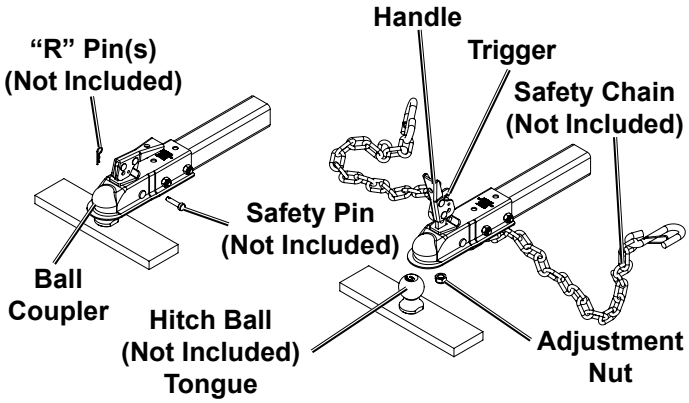
<u>Note:</u> Before drilling, check for hidden wires in the drilling path. If you are not familiar with drilling and mounting the Ball Coupler, have a qualified service technician do it.

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 that the width of the Ball coupler. Also acquire two flat washers, and two lock nuts (not included).
4. Place Bolts through Ball Coupler holes and secure from other side first with flat washer, then lock nut. Securely tighten with a wrench (not included).



5. To reduce friction between Tongue ball and Coupler, apply a layer of heavy weight grease over the Tongue ball.
6. Pull up on Trigger and lift up on Handle.
7. With assistance, place Ball Coupler over the vehicle’s Tongue ball, pull back on Trigger and push down on Handle until Trigger locks in the slot. Pull up and down on Coupler to make sure Tongue ball is fitting snugly in Coupler. There should be no play between Tongue ball and Ball Coupler.
8. Attach a Safety Pin and “R” Pin (not included).
9. Attach each side of the Safety Chain (not included) equally to the towing vehicle’s rear bumper or frame.

<u>NOTICE:</u> If there is play, tighten Adjustment Nut until no play is present. If Adjustment Nut is too tight, the Handle will not lock. Failure to properly adjust can result in uncoupling. After Adjustment Nut is properly adjusted, pull back on Trigger and push down on Handle until Trigger locks in slot. Pull up on Handle firmly to make sure Trigger is locked in place and Handle cannot move.



Record Product’s Serial Number Here: _____

<u>Note:</u> If product has no serial number, record month and year of purchase instead.

<u>Note:</u> Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Parts may not be interchangeable. Specify UPC number when ordering:

1-7/8″ x 2″: 792363947688
1-7/8″ x 2-1/2″: 792363947701
2″ x 3″: 792363676502
2″ x 2-1/2″: 792363947718

MAINTENANCE

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. **BEFORE EACH USE,** inspect the general condition of the equipment. Check for:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. Before each use check the Ball Coupler for a tight fit on the hitch ball as described in the “NOTICE” on page 3.

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.

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