

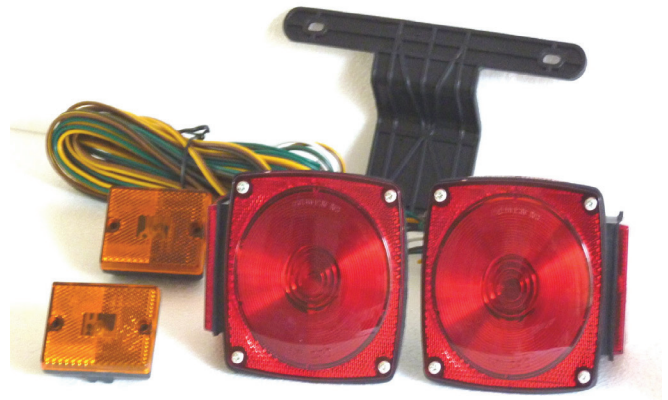
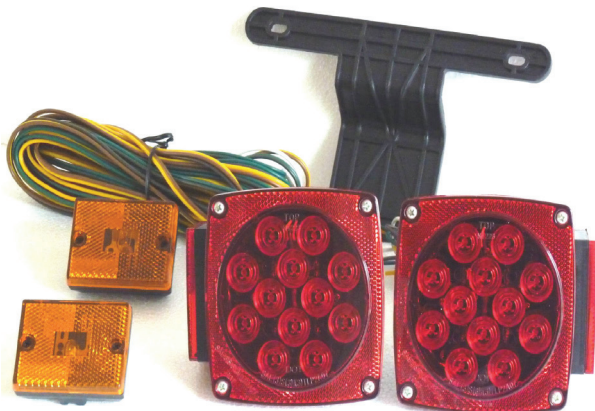


## 12V Trailer Light Kit

Incandescent  
Model 70094

## 12V Trailer Light Kit

LED  
Model 70205



## Instruction Manual & Parts Catalog



Read and understand this entire manual before assembling, installing, operating, or servicing this product.

**SAVE THIS MANUAL**

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## IMPORTANT SAFETY INFORMATION

This is a **SAFETY ALERT** symbol.



It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



**DANGER** indicates a hazardous situation which, if not avoided, will result in death or injury.



**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION** indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



**NOTICE** indicates important information which, if not followed, may cause damage to equipment.

## SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions. The manual offers important information on how to assemble, use and maintain this product.

Write the product's model number and purchase date on the cover page of this manual.

Keep this manual (and your purchase receipt) in a safe place.

## UNPACKING

The shipment should be thoroughly inspected as soon as it is received. The signed "bill of lading" is acknowledgement by the carrier of receipt in good condition or shipment covered by our invoice. For your own protection, if any of the goods called for on the bill of lading are shorted or damaged, do not accept them until the carrier makes a notation on the freight bill of the shorted or damaged goods.

**Notify MAXXHAUL immediately if any hidden loss or damage is discovered after receipt.**

## Definition of Symbol



**WARNING** concerning Risk of Eye Injury. Wear ANSI approved eye protection.



**WARNING** concerning Risk of Hearing Loss. Wear hearing protection.



## IMPORTANT SAFETY INSTRUCTIONS



1. **Read and understand all safety warnings and instructions.** Failure to follow the warnings and instructions may result in serious injury or death. Save all warnings and instructions for future reference.

### 2. Personal and Work Area Safety



A. **Always wear ANSI approved safety goggles.**



B. **Always wear hearing protection when working in noisy environments.** Prolonged exposure to high intensity noise can cause hearing loss.



C. **Use safety equipment.** Safety shoes, hard hat and work gloves must be used for applicable conditions.

D. **Dress appropriately.** Never wear loose fitting clothing or jewelry when working. Contain long hair, and keep hair, clothing and gloves away from moving parts.

E. **Use common sense when working.** Stay alert and concentrate when setting up and using the 12V Trailer Light Kit. Never work while under the influence of alcohol, drugs or medications.

F. While assembling and using the 12V Trailer Light Kit keep work area clean and well lighted. Keep spectators and children out of the work area.

### 3. Use of the 12V Trailer Light Kit

A. This 12V Trailer Light Kit is designed for trailers less than 80 inches in width. It complies with Department of Transportation (DOT) standards. **Do not modify the Light Kit and do not use this product for purposes that it was not designed for.**

B. As pertaining to lights on trailers, **read and adhere to all safety guidelines and instructions provided by the manufacturer of the trailer.**

C. If you are not experienced in assembling electrical products such as this one, the assembly should be done by a qualified service technician.

D. Keep children and spectators well clear when setting up this product and when maneuvering a trailer.

E. If trailer is over 80 inches wide, additional red marker lights, which are not included, must be set up at the back of the trailer.

F.  **WARNING** People with pacemakers should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference to, or failure of, the pacemaker.

G. To verify that the correct wire has been located on the tow vehicle's wiring harness, it is recommended that a circuit tester be used.

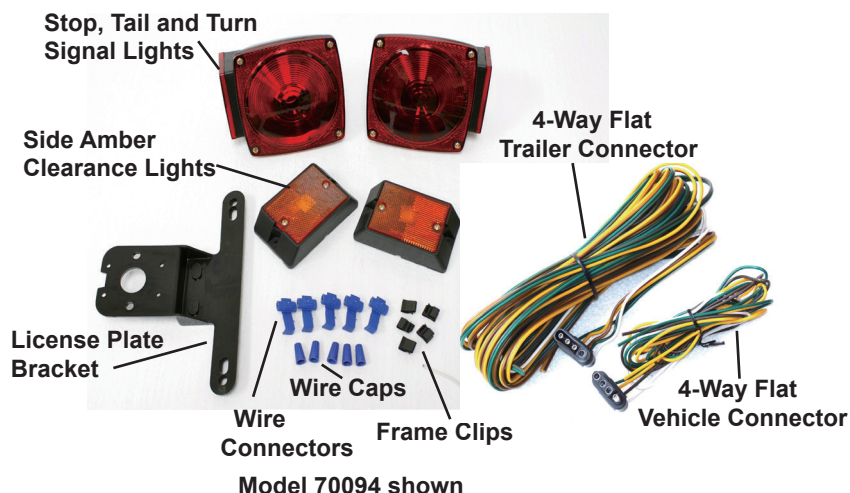
**Keep in mind that the warnings, cautions, and instructions previously discussed cannot cover all possible events and circumstances. It is important that the person setting up and using using this**

**product use common sense and caution at all times.**

**MAXXHAUL is not responsible for the attachment or the installation of this product. The attachment of this product is critical and beyond the control of MAXXHAUL. It neither guarantees, nor will it be liable for any damage resulting from its attachment or improper use.**

**Limited Warranty.** MAXXHAUL warrants to the original retail purchaser that the product is free of defects in material and workmanship at the time of shipment. This product is warranted for 90 days from the date of purchase. This warranty is expressly in lieu of all other warranties, express or implied. Proof of purchase is required for warranty transactions; a copy of the original invoice or sales receipt is required.

## Assembling and Setting Up the 12V Trailer Light Kit



1. Refer to photo above of all components included in the kit.



**Always wear ANSI approved safety goggles.**

2. Refer to the Wiring Illustration below when planning and setting-up the Trailer Light Kit.

3. **Plan first how the wiring is going to be routed to the tail lights.** Some trailers have a hollow center frame tube from front to back. Wiring can be located through this tube and "T" off to the sides near the tail-light area.

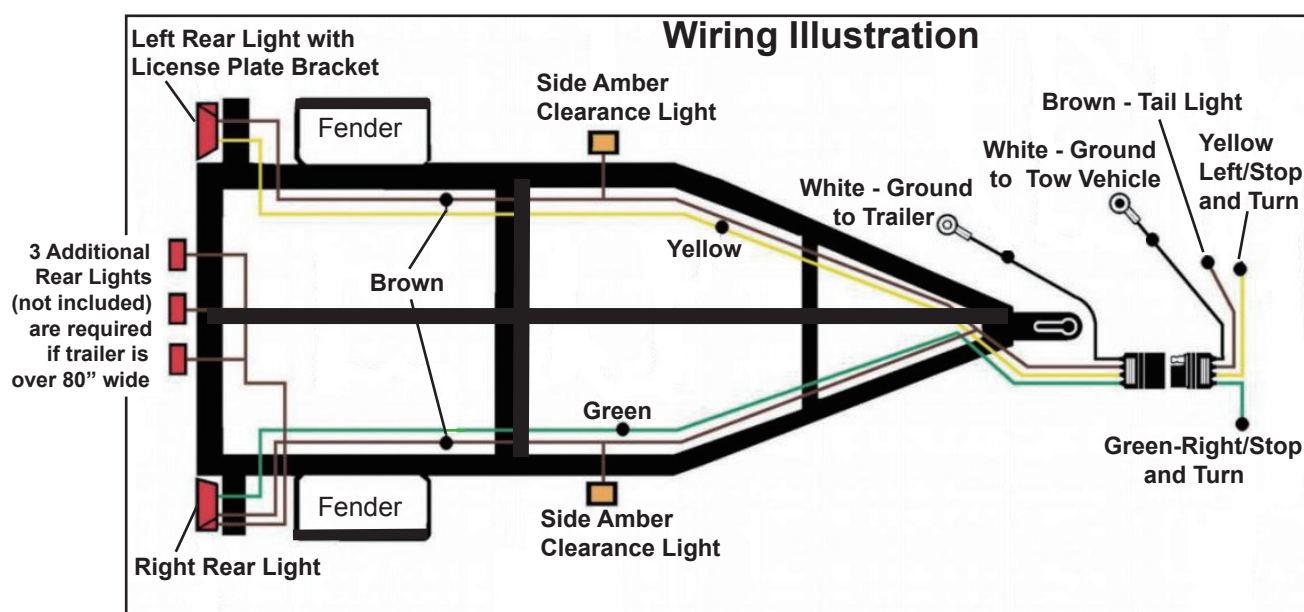
On other trailers, it may be best to position wires along the outer edge of the trailer frame. The harness is designed with a single ground wire. Running wire and right turn wire is combined, with running wire and left turn wire combined, so that they can be "T" off and split down each side of the trailer (as shown in the example illustration below).

4. Stop, Tail and Turn Signal lights get mounted on brackets at the rear of trailer. Side Amber Clearance Lights get mounted on the sides of the trailer as shown in the illustration below.

5. Position the 4-Way Flat Trailer Connector near the tongue of trailer and feed the wires to the rear of trailer.

6. Attach the WHITE ground wire to the side of the trailer tongue on a clean, bare metal surface. Attach a ring terminal to the end of the ground wire and secure it to the trailer surface with a self tapping screw.

7. Separate the other wires so that the YELLOW and BROWN wires run down the left side (road side) of trailer. GREEN and BROWN wires run down the right side (curb side).



8. Note that Side Amber Clearance Lights on sides of trailer get connected to BROWN wires. Use a separate short length of BROWN wire and a Wire Connector to splice it into the BROWN wire of the Trailer Connector harness to connect each Clearance Light.

9. Mount the Side Amber Clearance Lights to the side frame of trailer. If an existing mounting hole is not available, holes will have to be drilled.

**10. To ground each Side Amber Clearance Light, secure a ring terminal at the end of each white ground wire to the trailer frame by using a self tapping screw.**

11. Use Frame Clips to secure the Trailer Connector harness wires to the trailer frame as wires run from front to back of trailer.

12. Connecting wires to Tail Lights: On the back of each Tail Light is printed either "Road Side" or "Curb Side".

**The "Road Side" light** will connect to the License Plate Bracket, and to the trailer light bracket.

Connect BROWN wire from "Road Side" light to BROWN wire on Trailer Connector harness.

Connect YELLOW wire from "Road Side" light to YELLOW wire on Trailer Connector harness. Use wire connectors to splice these wires together.

To ground this light, attach the WHITE ground wire to the trailer frame (see instructions #10, in bold, above).

**The "Curb Side" light** will connect to the trailer's light bracket in the same manner: BROWN "Curb Side" wire attaches to BROWN wire on Trailer Connector harness.

GREEN "Curb Side" wire attaches to GREEN wire on Trailer Connector harness.

To ground this light, attach the WHITE ground wire to the trailer frame (see instructions #10, in bold, in column to the left).

13. Now secure the License Plate Bracket and Left Rear Light to the left trailer bracket. Do the same to secure the Right Rear Light to the right trailer bracket.

**14. Connecting 4-Way Flat Vehicle Connector wiring to the tow vehicle:**

The Vehicle Connector wiring needs to be positioned near the Trailer Connector wiring, as both will be connected together near the trailer tongue.

Connect the WHITE ground wire of Vehicle Connector wiring harness to a clean, bare metal surface on the towing vehicle. Attach a ring terminal to the end of the ground wire and secure it to the vehicle surface with a self tapping screw.

Use wire connectors to make the following wire connections from the Vehicle Connector harness:

BROWN wire to towing vehicle's tail light wire.  
YELLOW wire to towing vehicle's left hand, stop and turn light wire.

GREEN wire to towing vehicle's right hand stop and turn light wire.

15. With wiring now complete, connect the 4-Way Flat Trailer Connector plug to the plug of the 4-Way Flat Vehicle Connector.

16. Check the trailer lights. Turn on the towing vehicle's head lights. With a spotter to assist, check that the trailer's stop/turn/tail lights come on. Check that the two

16. (continued)  
Clearance Lights come on.

Press the brake pedal; the brighter stop lights should turn on while the pedal is depressed. Check the turn signal; the blinking turn signal light should turn on.

17. If all the trailer lights do not work properly, re-check all connections, including ground connections. Make sure attachment hardware is tight.

18. Periodically check all wiring for proper connections and to make sure that no wire deterioration has occurred. Check for burned out bulbs.

**SPECIFICATIONS**  
**For Both Model 70094 and 70205**

|                            |                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical Source</b>   | <b>12 Volt DC / Negative Ground</b>                                                                                                                                                                                                                                             |
| <b>Included Components</b> | <b>Stop/Tail/Turn Lights, Class A - Qty = 2;</b><br><b>Side Clearance Lights, Qty = 2;</b><br><b>License Plate Bracket;</b><br><b>4-Way Flat Trailer Connector, color coded wiring;</b><br><b>4-Way Flat Vehicle Connector, color coded wiring;</b><br><b>Hardware Package;</b> |