

Installation Instructions

HD007-TG11 Trailer Hitch

440 South Pine Street
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rivcoproducts.com



**30 YEARS OF QUALITY
MOTORCYCLE ACCESSORIES**

**TRAILER HITCH
FOR HARLEY- DAVIDSON FLHTCUTG TRI GLIDES 2011 & Newer
(#HD007-TG11)
INSTALLATION INSTRUCTIONS**

1. Remove the hitch and hardware from the box and familiarize yourself with the components. Lay out the trailer hitch under the rear of the Trike so the flanges with the bolt holes are facing up. Notice that there are four holes in the frame's crossmembers that align with the four holes in the hitch.
2. On early production 2011 models the holes in the crossmembers are threaded and the hitch should be bolted directly to these holes using the four 5/16" -18 x 1 ¼" bolts with washers and lock washers supplied. Place a drop of thread locker (Loc-Tite) onto the threads of each bolt, install the hitch using the four bolts and tighten securely (15-18 ft. lbs.).
3. On later 2011 production models the four holes in the crossmembers that align with those on the hitch do not have threads. On these models proceed as follows. On the rear crossmember locate the two T40 Torx head screws next to the mufflers. Remove these screws using a T40 tamperproof wrench being careful not to strip the heads. They may require considerable force to loosen. If they will not loosen use a hammer and chisel or punch on the edge of the heads to jar them loose. Locate the supplied 14" long "L" bracket. Locate two of the supplied 5/16"-18 x 1 ¼" bolts with washers and lock washers, place a drop of thread locker (Loc-Tite) onto the threads of each bolt. Bolt the "L" bracket to the rear crossmember with the short side of the "L" facing forward and up, not tighten the bolts yet. Bolt the hitch to the "L" bracket using the two supplied 5/16-24 (fine thread) x 5/8" bolts, two washers and lock washers, again using a drop of thread locker (Loc-Tite) on each bolt and make finger tight.
4. Locate the supplied ¼' x ¾" x 7" "nut bar". Notice that the holes in the nut bar are offset to one side and that the holes in the front crossmember are as well. Slide the nut bar into the "U" shape of the crossmember so that the holes in the nut bar will align with those in the crossmember when installed. Locate the remaining two 5/16"-18 x 1 ¼" bolts, washers and lock washers and aluminum spacers supplied. Place a drop of thread locker (Loc-Tite) onto the threads, place the bolts with washers thru the hitch then place a spacer onto the bolt then thru the crossmember and thread them into the nut bar. Tighten all six (6) bolts securely (15-18 ft. lbs.)
5. Slide the tongue with ball into the receiver and install the supplied pin with clip. Note the Bolt on the side of the hitch can be tightened to eliminate any movement or rattle between the tongue and receiver.
6. Remove the seat. Locate the supplied plug in wire harness (see photo). Locate the tail light plug, this should be attached to the frame with a plastic clip where the inner fender meets the frame cross member. Unplug the connector and plug in the male and female ends of the supplied wire harness. Route the harness down along the frame back to the receiver being sure to keep it clear of moving parts of the suspension and belt drive securing it using the supplied cable ties. Install a plug that matches that of your trailer (be sure to leave enough wire to reach your trailer's plug and allow for turning.)
The wires in the harness functions/colors are as follows:

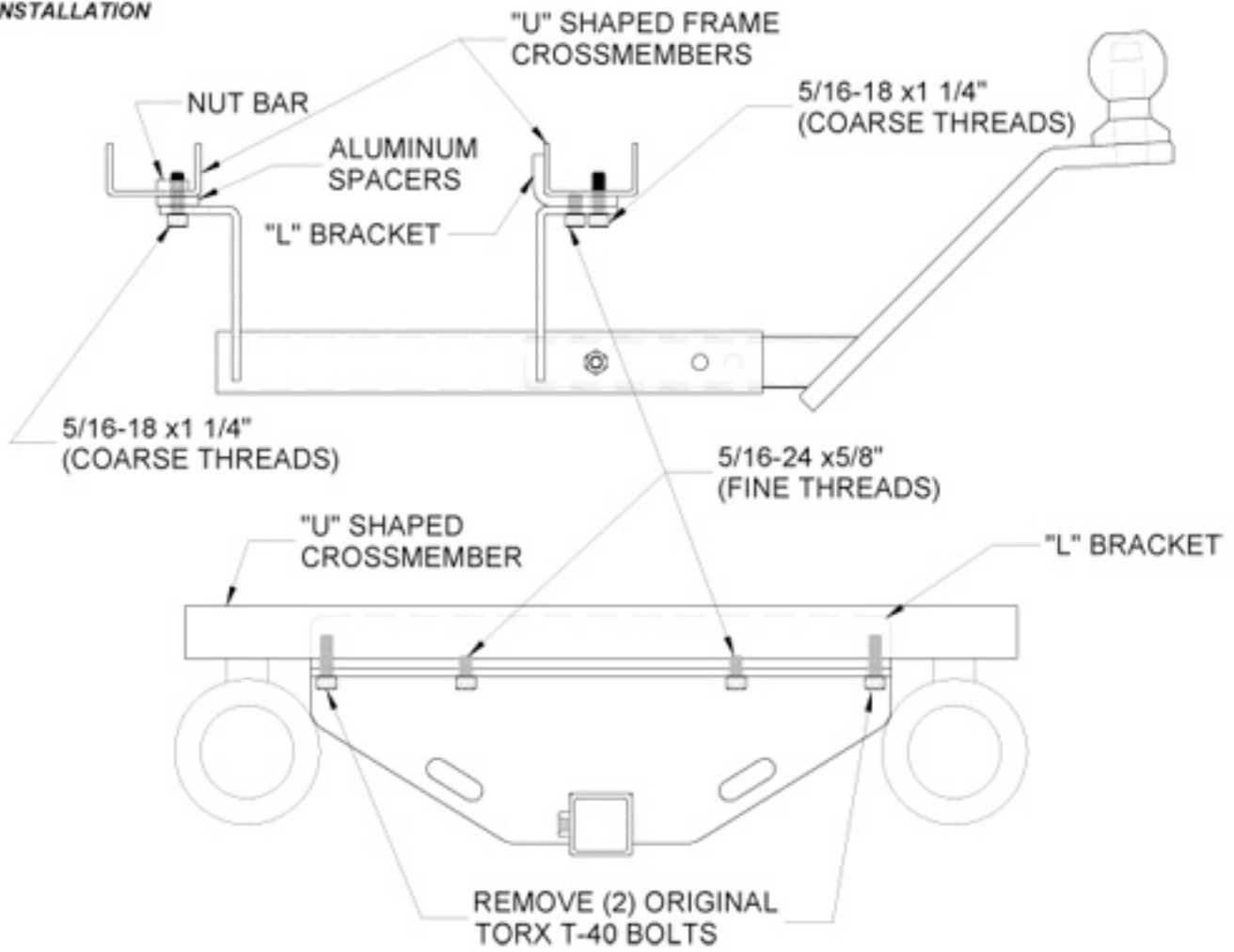
Black = Ground
Brown = Tail Light
Red = Brake Light
Orange = Left Turn signal
Blue = Right Turn signal

NOTE: If your trailer has only four (4) wires you will need to use a 5 to 4 wire converter. These are available thru RIVCO Products (or at most auto parts stores).

NOTE: If your trailer uses more than two (2) incandescent tail light bulbs the use of a trailer wiring isolator is strongly advised as this additional load is too much for the motorcycle's wiring to support and may cause damage to the electrical system. Trailer wiring isolators are available thru RIVCO Products (or at most auto parts stores, although not as common). If you are installing both you must first install the 5 to 4 wire converter then the isolator then attach to the trailer plug.

4. Install the seat.

**HD007TG11
INSTALLATION**



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TRAILER TOWING GUIDELINES AND SAFETY

Remember that this is only a guide and should be supplemented with your own common sense for safe operation.

WARNING: TOWING A TRAILER BEHIND A MOTORCYCLE OR TRIKE IS DONE SO AT YOUR OWN RISK AND INCREASES THE LIKELIHOOD OF INJURY OR DEATH TO BOTH OPERATOR AND PASSENGER DUE TO INCREASED RISK AND EXPOSURE. FAILURE TO OBSERVE THE FOLLOWING WILL FURTHER INCREASE THE RISK OF INJURY OR DEATH TO OPERATOR AND PASSENGER.

- (A) ALL HIGHWAY SAFETY WARNINGS, RULES AND LAWS,
- (B) MAINTENANCE AND OPERATION INSTRUCTIONS ASSOCIATED WITH THIS HITCH OR YOUR TRAILER,
- (C) POSTED SPEED AND ROAD CONDITION WARNINGS,
- (D) SAFE RIDING PRACTICES AND PROCEDURES

We are aware of no current state or federal guidelines for pulling a trailer with a Motorcycle or trike. We suggest when pulling and loading a trailer that you do not exceed the Manufacturer's Gross Vehicle Weight and tongue weight limits.

When pulling a trailer extra distance must be allowed for stopping.

When cornering, use slower speeds and a wider angle of attack.

Use extra caution at all times, particularly if the road surface is wet or slippery.

Splitting lanes with a trailer is HIGHLY discouraged and is ILLEGAL in many states.

IMPORTANT: AS A SAFETY PRECAUTION CHECK THE FOLLOWING BEFORE EVERY TRIP:

*Visual Inspection of Hitch and Mounting Bolts. *Safety Chains are Attached Properly.

*Trailer Lights Function Properly. *Hitch Pin on & Clipped. *Check Air Pressure In Trailer Tires.

Thank you for purchasing a RIVCO Product!



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