

## Instructions for the 4 – wire Trailer Wire Adapter

- 1) Take off the seat and the false tank and right saddlebag.
- 2) Remove the right side inner fairing tray so that the battery is exposed
- 3) See figure 1 for mounting location under the seat.
- 4) Clean the fender area with alcohol and let dry. Peel the cover strip off the adhesive and stick the adapter to the inner fender. You can also screw the unit down with the enclosed self drilling screw.
- 5) Locate the wire bundle that runs across the top of the rear inner fender just in front of the travel trunk frame. This is where you will make some of the connections to the bike wiring to trigger the adapter. See figure 2.
- 6) Using a sharp knife, carefully slit the black wrapping on the wiring bundle for about 3 or 4 inches on the left side where the wires go to the left saddlebag.
- 7) Separate the wires in the bundle with your fingers
- 8) The red plastic “T-taps” included with the adapter, when squeezed onto a wire, will provide a place to plug in the trigger wires coming from the adapter
- 9) When installing the T-taps, put a small amount of silicone grease on the metal insert where it clips over the wire, place the wire across the metal clip and fold the other half of the T-tap plastic over the wire and close it with a pair of pliers until you hear it go “click”. That indicates that the T-tap is locked onto the wire
- 10) Clip a T-tap onto the Black wire (NOT the Black with white tracer). Locate the YELLOW wire from the adapter, put a small amount of silicone grease onto the metal blade of the male connector and plug it into the T-tap on the Black wire. See figure 2.
- 11) Clip a T-tap onto the White/Blue tracer wire. Locate the RED wire from the adapter, put a small amount of silicone grease onto the metal blade of the male connector and plug it into the T-tap on the White/Blue Tracer wire. See figure 2.
- 12) Clip a T-tap onto the Brown/Pink tracer wire. Locate the BROWN wire from the adapter, put a small amount of silicone grease onto the metal blade of the male connector and plug it into the T-tap on the Brown/Pink tracer wire. See figure 2.
- 13) Locate the wire bundle on the right side of the inner rear fender that goes to the saddlebag connector for the right saddlebag. Slit the covering tape for a few inches about where the wire bundle passes by the trunk frame attachment. See figure 3.
- 14) Clip a T-tap onto the Light Green wire. Locate the GREEN wire from the adapter, put a small amount of silicone grease onto the metal blade of the male connector and plug it into the T-tap on the Light Green wire
- 15) Attach the White ground wire to the any good ground. The nut that holds the front of the travel trunk to the trunk frame (10mm head) is a good location
- 16) Run the large Red 12V power wire up to the battery compartment. You should snake the wire along with other wires that are already secured to the frame rails with factory ties. **DO NOT INSTALL THE FUSE INTO THE FUSEHOLDER YET.**
- 17) Remove the ground wire(s) from the battery and make sure that the wire(s) are not touching the negative battery terminal
- 18) Attach the ring terminal on the fuse holder to the Positive battery terminal

- 19) Reattach the ground wire(s) to the negative battery terminal
- 20) Making sure not to cut it too short, cut the excess wire off, strip the insulation and crimp the included fuse holder onto the black 12V wire on the adapter. Put a small dab of silicone grease into the end of the crimp fitting before inserting the wire
- 21) Install the included 7.5 amp fuse into the fuseholder.
- 22) You can now test the unit with a test light. Clip the ground of the test lamp to any good ground and probe the end of the 4 wire trailer connector as you operate the various lights (tail, stop, L turn, R turn). The light that each wire serves is printed on the wires
- 23) Run the trailer wires down the saddlebag frame and out the back. Attach the wires to the saddlebag frame with zip-ties making sure to run the wires where they will not interfere with the saddlebag or rub on the tire
- 24) Put some silicone grease on the flat 4 connector when plugging the trailer in for the first time. That will help keep the connectors from corroding

The install is complete. Any trailer that uses industry standard wiring scheme for a flat 4 connector will plug into the adapter and work properly. If you are wiring a trailer from scratch, the light served by each wire is printed on the side of each one.

If you have any questions you can call me at 620-241-1515 or e-mail at [tpres@ks-usa.net](mailto:tpres@ks-usa.net)

Tracy

Figure 1 – mount the adapter to the inner fender under the seat



Figure 2 – t-taps attached to the wires going to the left saddlebag and ground attached to the trunk frame



Figure 3 – t-tap attached to the right saddlebag wire

