



XR650L TAIL LIGHT/LICENSE PLATE BRACKET INSTALLATION

Years: 1993+



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Parts List

* = Parts Included with Tail Light Kit

(1) License Plate Mount



(1) Tail Light*



(1) Tail Light Spacer*



(2) Bolts, Long (M6 x 25mm)



(2) Bolts, Short (M6 x 16mm)



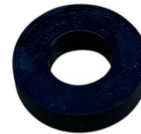
(2) Nuts, Locking (M6)*



(2) M6 Washers*



(1) Storage Bag Spacer



(2) Tail Light Bushings*

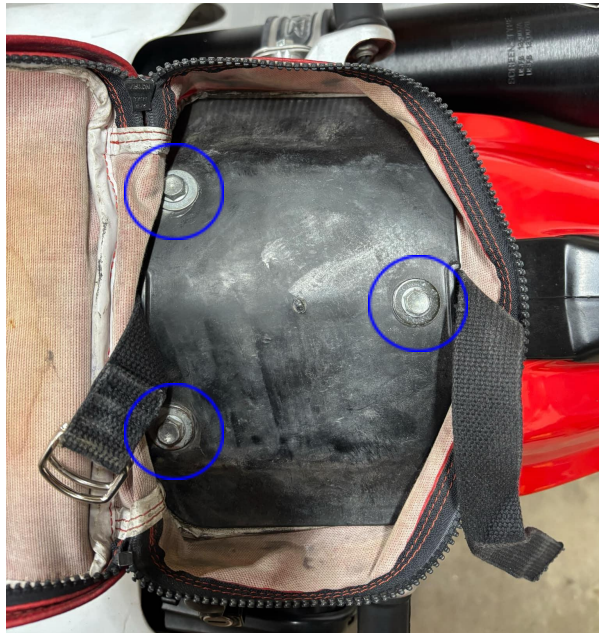


(3) Female Bullet Connectors*



Installation Instructions

1. Remove the three bolts inside the rear storage bag and detach the bag.



2. Remove the two bolts underneath the rear fender. Keep the OEM metal and rubber fender bushings in place. The rear tail light assembly will now be loose.



3. Gently pull off the tail light assembly. The tail light assembly will still have a wire connected under the seat. If you are not using the SOLEX tail light kit, please skip to step 12.



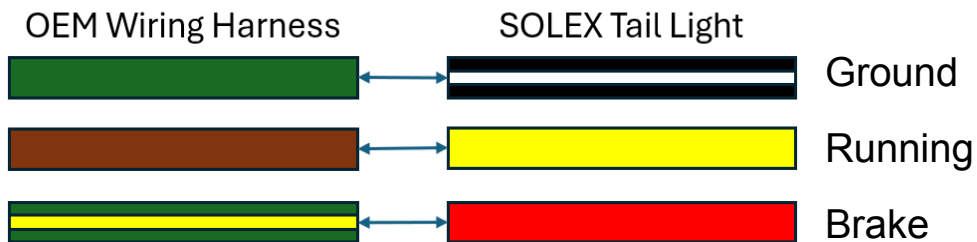
4. **Pull the OEM tail light wire snug in the direction shown below, making sure all slack is pulled from the rubber housing.** Cut the wire flush with the base of the rubber tail light housing, as shown below.



5. The length of the cut wire should be close to the image shown below. The wire can then be carefully stripped back and the 3 provided female bullet connectors can be installed with a proper crimping tool. **DO NOT HEAT SHRINK CONNECTORS UNTIL AFTER STEP 6.**



6. Connect the wires according to the diagram below.



7. Heat the connectors away from the fender until the shrink tubing shrinks around the wires. **Be very careful not to burn the wires or connectors.** A heat gun is recommended.



8. Slide the spacer over the tail light and seat it in the groove as shown below.



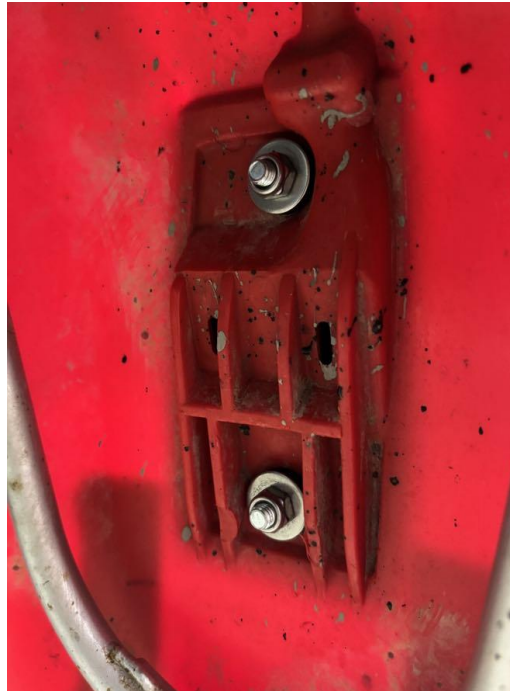
9. Carefully coil the wires under the tail light, making sure not to pinch any wires between the fender and tail light. Place the taillight as shown below.



10. Insert the tail light bushings from the bottom, making sure the small ends seat into the fender holes.



11. Install the provided washers and locking nuts. Tighten until the tail light is snug, **making sure not to over tighten.**



12. Reinstall the top bag, making sure to place the provided spacer between the plastic bottom of the storage bag and metal collar.



13. Place the license plate bracket onto the existing mounting locations as shown below. The bracket will press onto the shaft of the OEM metal bushings.



14. Install the two provided M6 X 25mm bolts and tighten until the OEM rubber washer on the top side begins to compress. A firm stop should be felt when all the way tight.
DO NOT USE AN IMPACT DRIVER.



15. The license plate and M6 X 16mm bolts can now be installed, making sure not to overtighten.

DO NOT USE AN IMPACT DRIVER.



16. TESTING

- a. Pull the front brake lever to ensure there is a visible increase in tail light brightness.
- b. Push the foot brake lever to ensure there is a visible increase in tail light brightness.
- c. Turn the headlight on and ensure the tail light running light comes on. Repeat steps 'a' and 'b' with the headlight on, ensuring a noticeable increase in brightness occurs.

Check all fasteners tightness, inspect all components, and ensure light functionality (brake and running) before every use.

Check out our website for other offroad accessories for your XR650L:

<https://www.solexoffroad.com/instructions>



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