

SSR Cargo Cover Light Repair Instructions

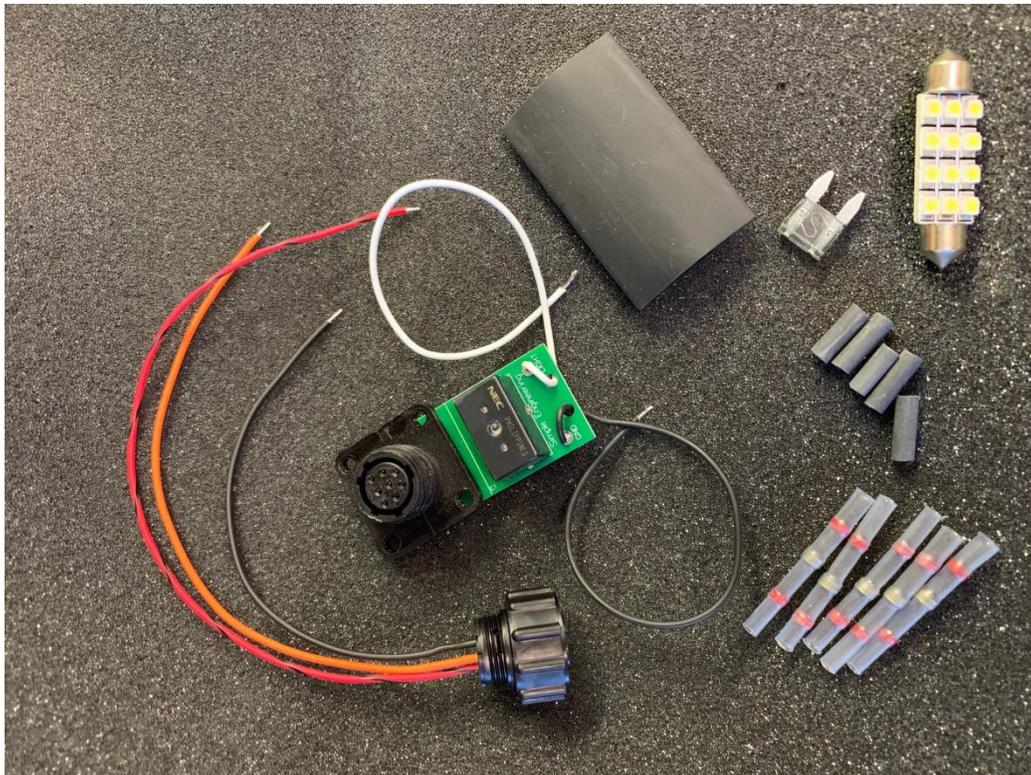
It is highly recommended that you read these instructions all the way through before beginning the installation. Doing so will most likely save some rework.

Purpose of the replacement kit:

This kit is designed to repair and replace a burned-up relay board and connector for the light on the cargo cover. There are two main parts to the kit.... First is the circuit board and fixed connector that is mounted to the inside of the cargo cover interior panel. Second is a pre-wired mobile cable connector for splicing into the existing vehicle harness. Both are designed as a splice-in repair for burned parts.

Parts in the Kit:

1. Pre-assembled circuit board with relay, connector and wires for lamp.
2. Pre-assembled wiring connector with pig-tail for splicing into harness.
3. Heat shrink soldering splices. (5)
4. Heat shrink tubing (in case you want to just solder the wires).
5. Internal adhesive heat shrink for connecting new connector to the old cable sleeving.
6. 2amp fuse.
7. LED replacement bulb for the cargo cover lamp.
8. This instruction set and instruction set for splices.

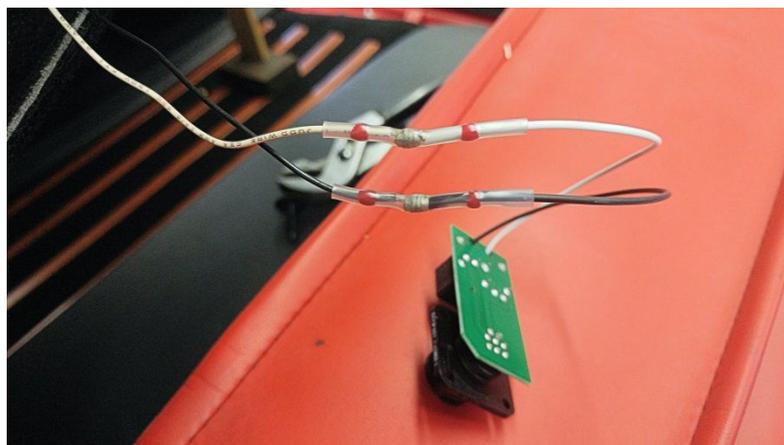


Tools and Supplies Recommended:

- Plastic retainer removal tool
- Small Wire diagonal cutters
- Wire strippers
- “Helping Hands” soldering aid
- Soldering Iron
- Heat gun
- Hot Melt Glue Gun

Procedure:

1. Using a plastic fastener removal tool, carefully remove the three retainers that hold the interior panel to the cargo cover on the driver’s side edge.
2. Disconnect what is left of the cable and connector from the fixed connector on the cargo cover interior panel. **NOTE: don’t snip off the connector yet.**
3. Gently pull the interior panel down to allow you access to the circuit board and connector. Snip the black and white wire at the circuit board and then carefully remove the circuit board and connector from the panel. (It’s held in place with hot melt glue from the factory.)
4. Clean off all the residual glue from the cover.
5. You now have the option to either solder the existing cover’s black and white wire to the circuit board or splice the black and white wires with the included splices. Decide on your preferred method of connection to the circuit board and trim the wiring under the lid appropriately. It depends on your experience / confidence level with a soldering iron and splicing. I have also included some heat shrink tubing in case you just want to solder the wires and shrink a little tubing onto them.



6. Re-install the new circuit board into the original mounting hole in the cover panel. This is done by putting hot melt glue on the mounting face of the connector and quickly placing it into the hole, just like the original was....

7. Carefully remove what is left of the mobile connector on the wiring harness. Snip it as close to the connector as possible. (You need to know what the overall length of the wiring is for a later step.) Carefully remove the old heat shrink tubing from the end of the sleeve. We are trying to retain as much of the original protective wire sleeve as possible.
8. Slide the piece of adhesive lined heat shrink over the wire sleeving and slide it as far down the cable as possible. You will need this to re-bond the sleeving to the new connector when finishing up.
9. Push back the wire sleeve as much as possible, exposing at least 4-6 inches of the wires. Tape, tie or clamp the sleeving back, so it stays out of your way. (See step 11 photo)
10. You are now going to lay the new connector and wires alongside the original wires to position the electrical connector at the same overall length as the original. This is so that you can re-use the existing protective sleeving and have the correct length cable when finished.
11. Matching color to color of the wires, splice the three wires, using the included wire splices and the included procedure..... or..... slide the three pieces of heat shrink onto the wires, make a solder joint on each and shrink the small heat shrink. The three wires on the connector are different lengths so that the splices are spread out inside the sheath, making a nice and neat, small diameter repair.



12. Stretch the original protective wire sleeve up to the new connector and secure it in place with the piece of adhesive-lined heat shrink tubing that you have on the wire sleeve. The shrink tubing will lock into the threads on the connector and glue itself to the sleeving.



You can now reconnect the harness to the panel and put the panel back up to the cargo cover.....
You're done.

I **strongly** recommend you replace the cargo cover lamp with the included LED and the 2 amp fuse into the number 40 (the rear fuse block) location. This will mitigate future problems with this circuit.

Call if you need any encouragement, just call.

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