

GEN II Toyota Prius Back Door Opener Switch Replacement & License Plate Lights



Rubber Surface of Switch had Degraded to Tar-like Substance

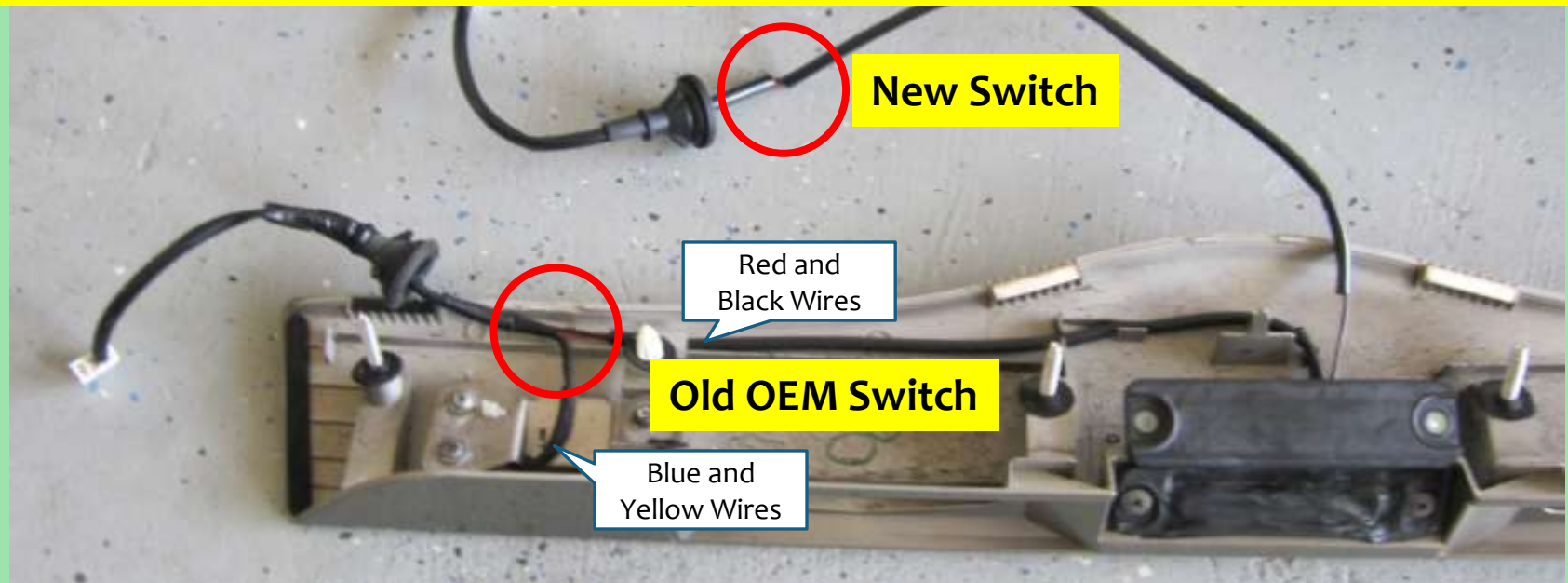
Vehicle Manufacture Date 10/06



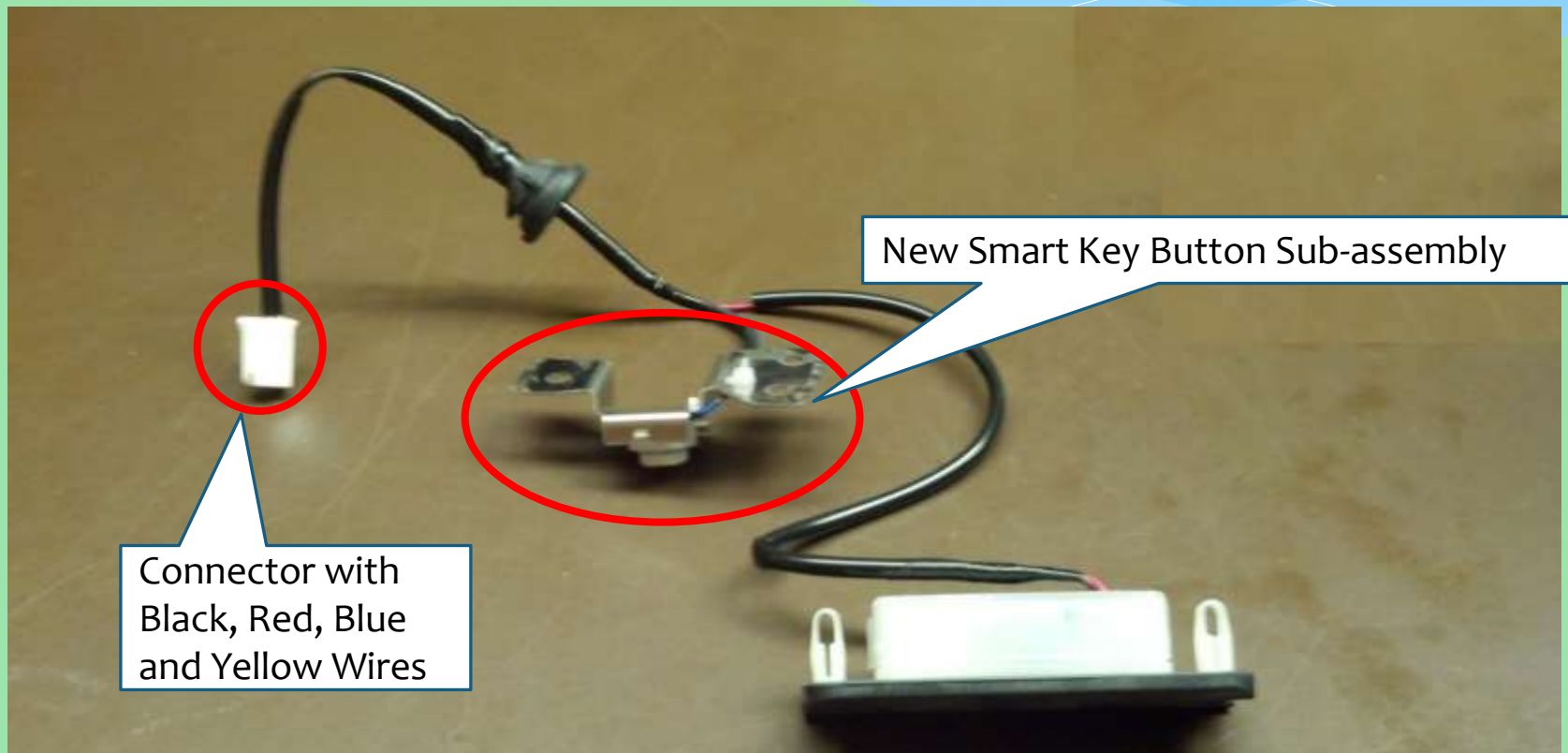
SWITCH REMOVED



HEADS UP!!! Switch I got, verified in Toyota Repair Manual and by VIN at Dealer, **84840-47020**, about **\$55.00** supposedly for Prius “with Smart Key”, only had two wires, red and black entire length. OEM had branch near connector/seal end, with blue and yellow wires going from connector back to smart key button subassembly. White connector on New Switch only red and black wires to it. So I spliced new switch red & black wires near switch end to existing red & black wires of old switch wire. Cheaper solution. Works Fine.



If you want to replace the entire assembly with NO SPLICING, it's **84840-47010**, about **\$105.00** has the red and black wires from the switch end, but also a new "Smart Key" button subassembly split at connector/seal end, with blue and yellow wires going from connector back to smart key button. SEE NEXT PAGE!

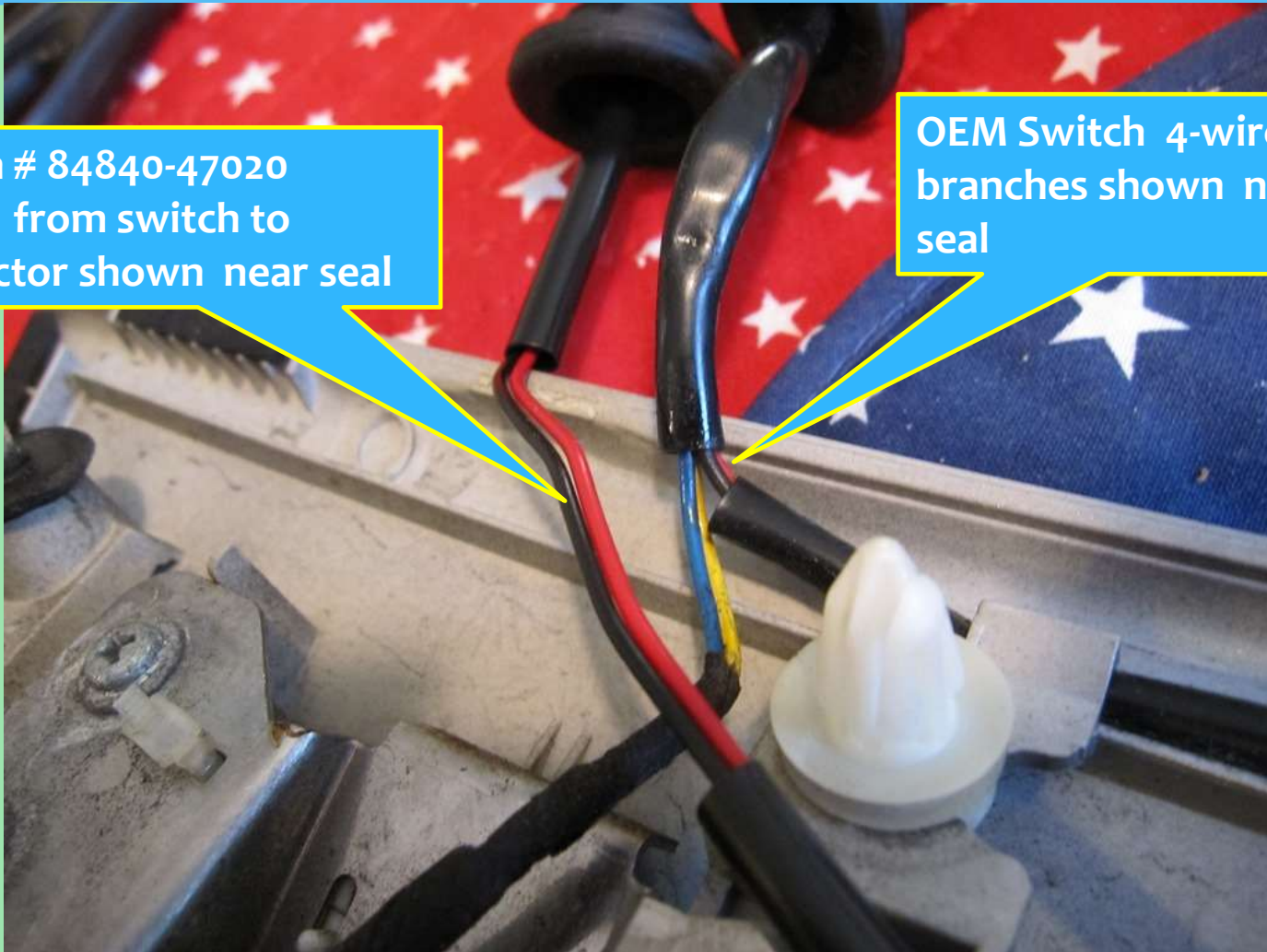


Went back to Dealer to figure out the discrepancy in part numbers. Took this photo there. The \$55 solution WITH SPLICING worked for me. I had all the tools.

Switch Comparison

Switch # 84840-47020
2-wire from switch to
connector shown near seal

OEM Switch 4-wire two
branches shown near
seal



Tools Needed- Ratchet, extension, 10mm Deep Well Socket, Trim Fastener Removal Tool, Phillips Screwdriver, Rubber Gloves, Solvent, Cleaning Rag or towels, Q-tips.



Open the hatch and remove the **back door lower trim board panel**. It is held on by **11 blue plastic clips**. Use your **trim removal tool** to lift one corner and pull until first clip detaches. Then you can work your way around detaching the remaining fasteners to separate panel.



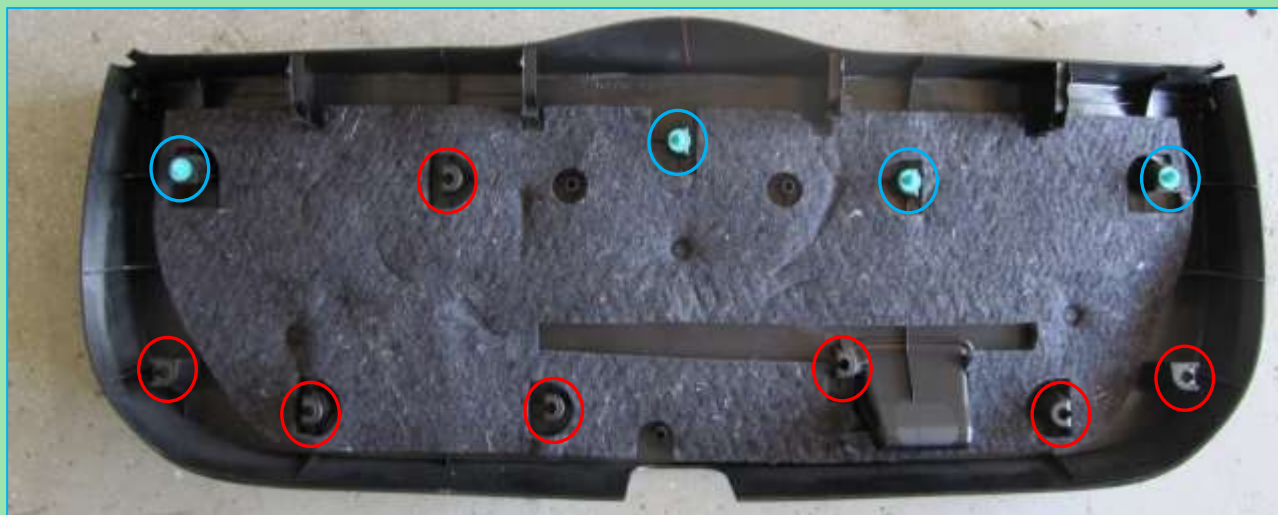
If Trim Tool is metal put tape on it to avoid scratching paint on door panel!!

**DO NOT CLOSE BACK DOOR AFTER SWITCH IS DISCONNECTED UNTIL RECONNECTED!!
PUT A CLOTH OVER THE LATCH IF YOU NEED TO LOWER IT TO WORK ON GARNISH!!**

If some of the blue fasteners stay in the door panel instead of coming off with the trim board, remove them from door panel with the removal tool and slide them into their sockets on the trim board before reinstalling it.



Door Panel



Trim Board

Remove the **Outside Garnish Sub-Assembly** the switch is screwed into before removing screws securing switch. Get a much better angle with screwdriver and less likely to strip the screw heads. Garnish is held on with four nuts and two fasteners. Use a **10 mm deep socket** to remove the nuts. **DO NO OVERTIGHTEN!!**



Location of License Plate Lights - Disconnect wire, rotate light socket from 12 to 10 o'clock to remove, replace light, reinstall socket, reconnect wire.

More on License Lamps

Rear View of License Lamp Socket



Lens IN with Socket Removed



View of Tabs on License Lamp Socket- 1 on TOP, 2 on Bottom.

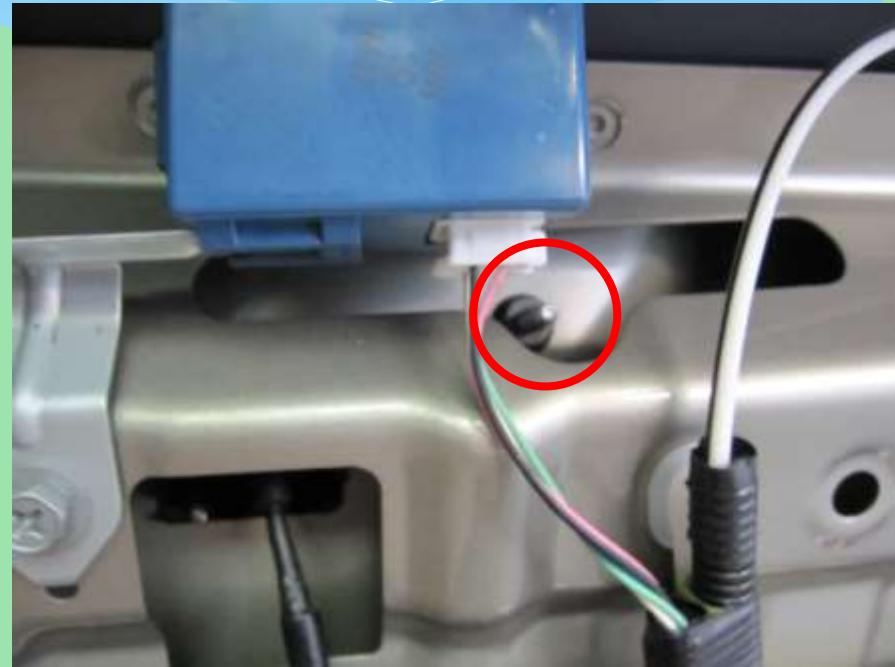


View of Back of Lens. Repair Manual says to remove lens to replace lamp. From FRONT Push LEFT and Pull OUT. This is unnecessary unless changing LENS.



Note 2nd small tab on bottom when inserted

Passenger and Driver Side Garnish attachment bolts



**Don't need ratchet, just extension, once nut is loose.
Hold the nut in the socket as you pull the socket away.
Don't go Fishing**

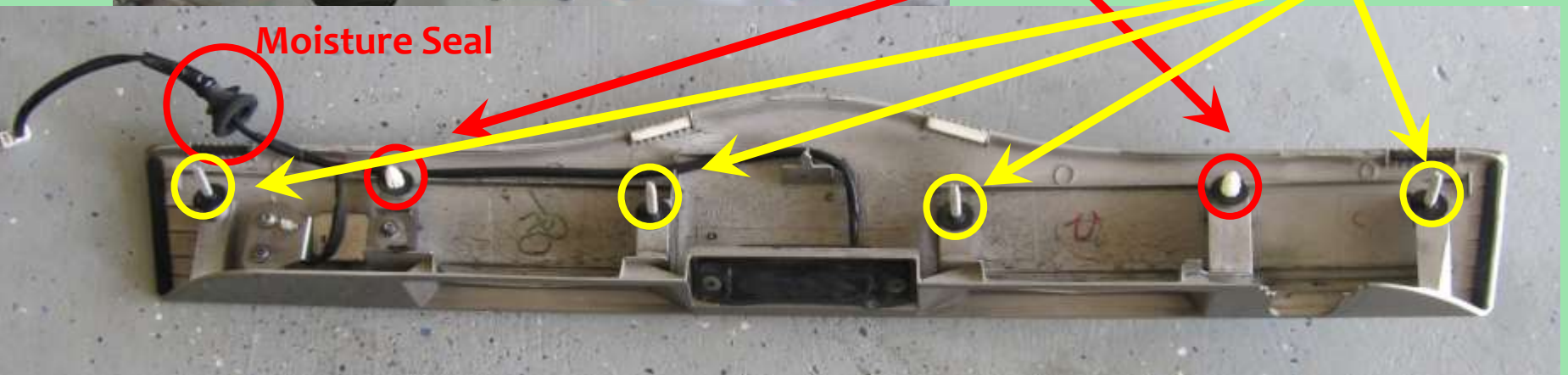
Disconnect Switch Connector from socket. Slowly pull Garnish off outside. It has two fasteners, as well the 4 bolts, that easily pull out. Pull moisture seal out of hole in door panel while separating garnish from door panel.

Pull moisture seal from door panel

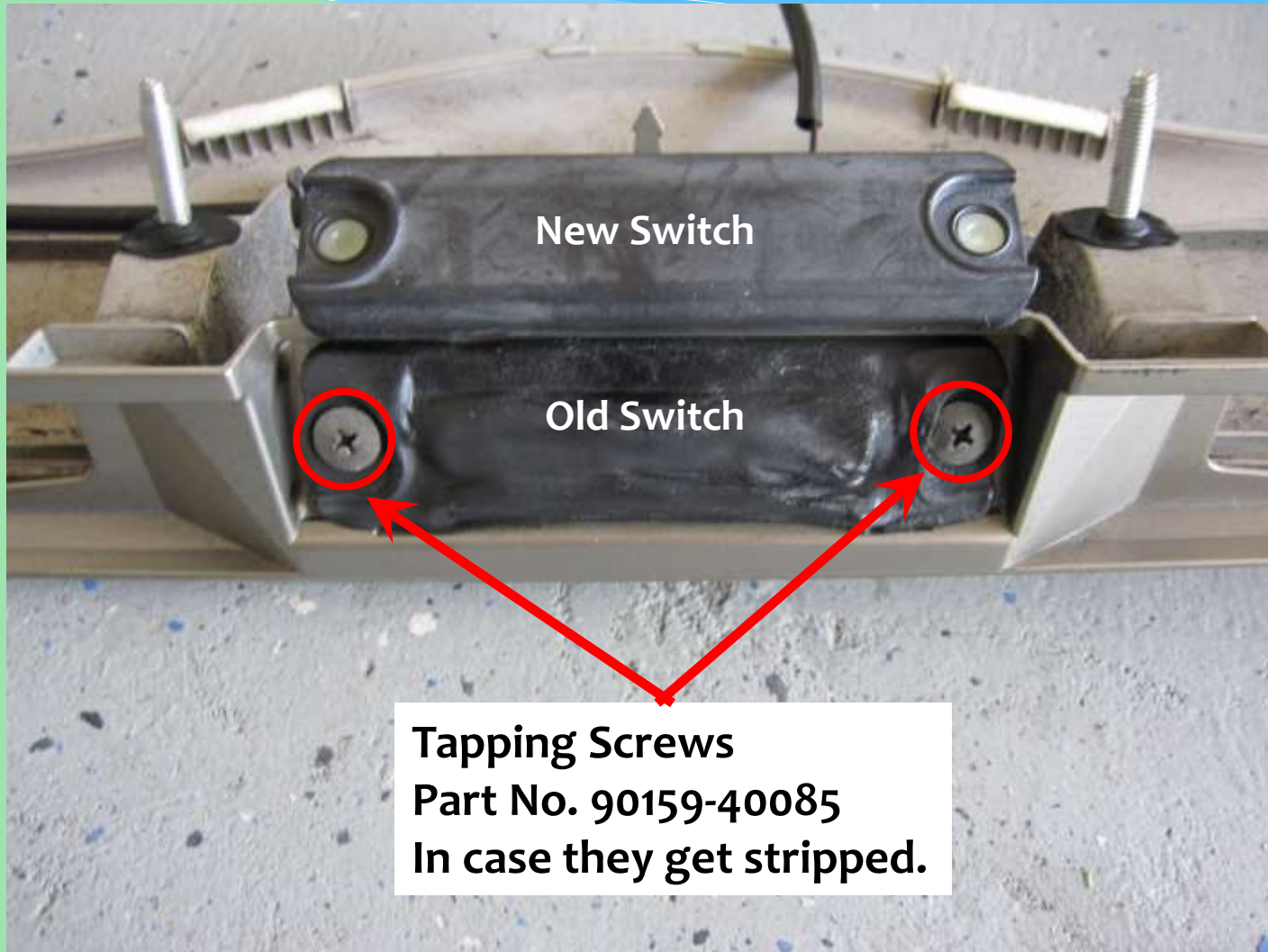


Fasteners

Bolts

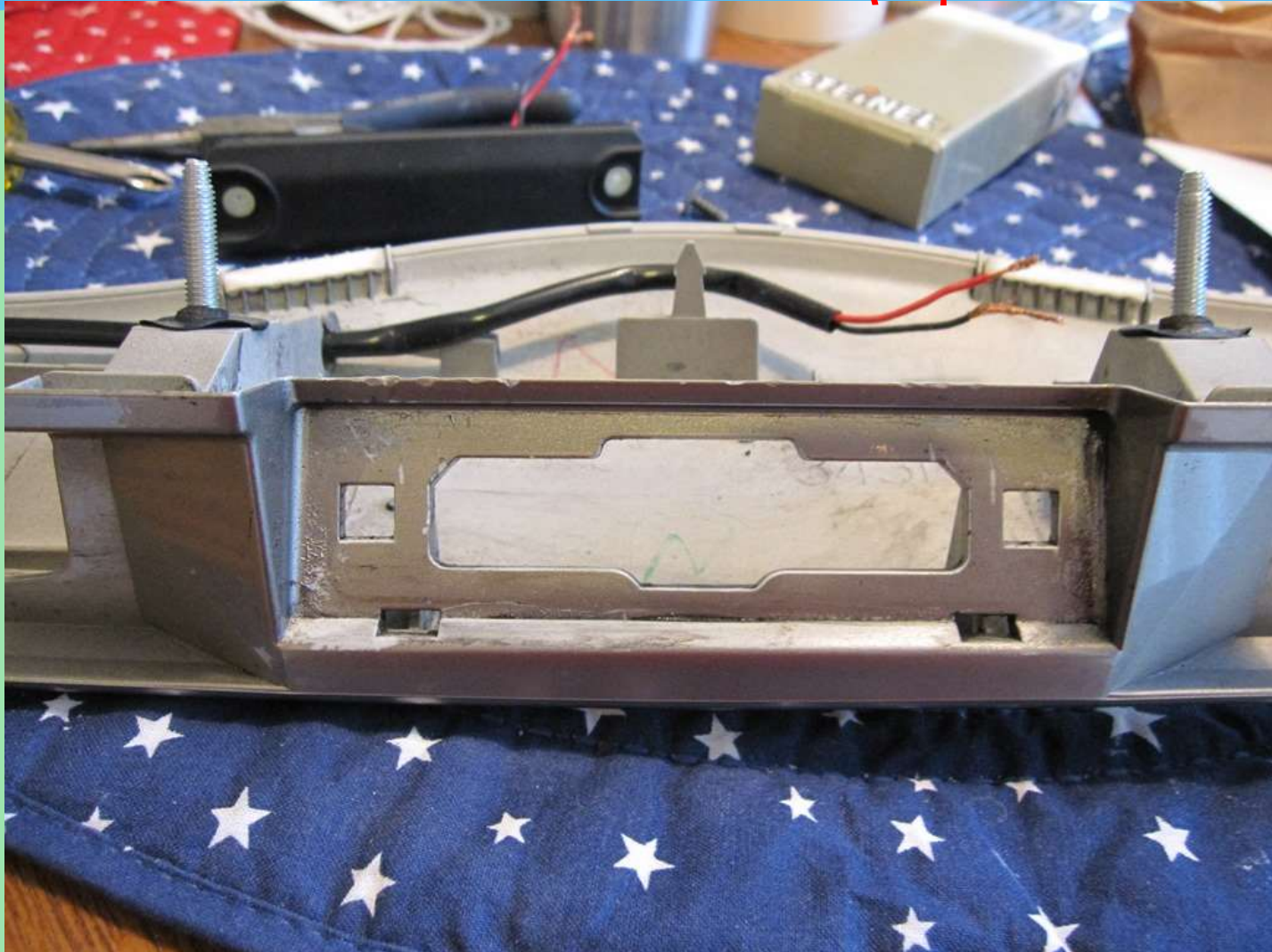


With Garnish removed, remove two screws and push or pry OLD SWITCH out. I recommend using rubber gloves. It gets messy.



Old Switch Cut Off. Garnish Cleaned.

Use Solvent Sparingly. Avoid getting it on clean painted surfaces. It will Remove the Paint!! Q-tips work well.



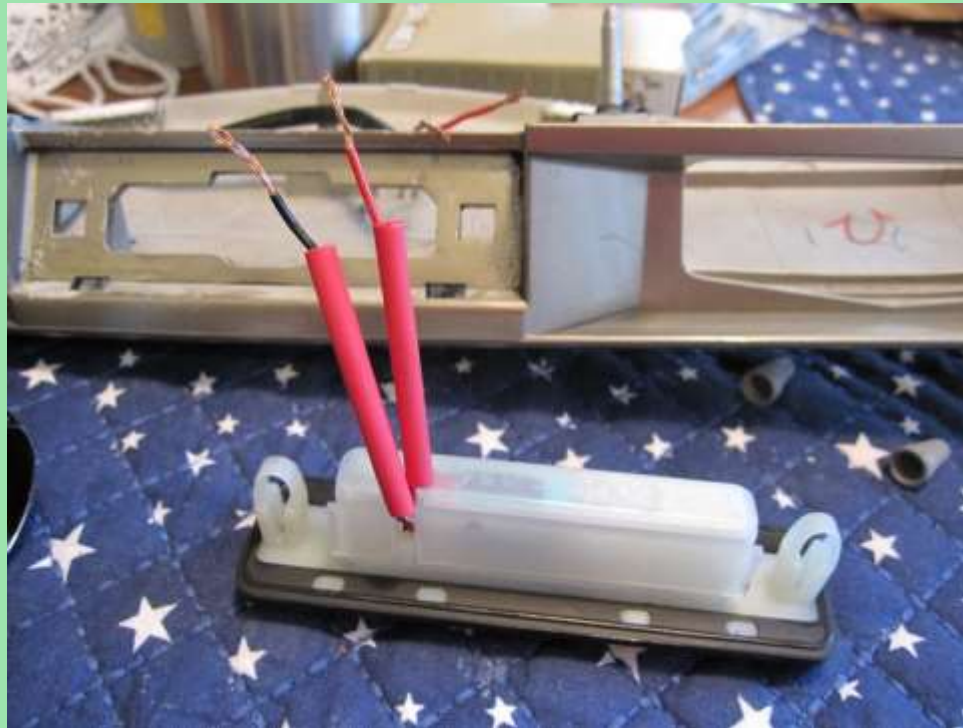
TOOLS NEEDED FOR CONNECTING NEW SWITCH

**Solder &
Soldering Iron**

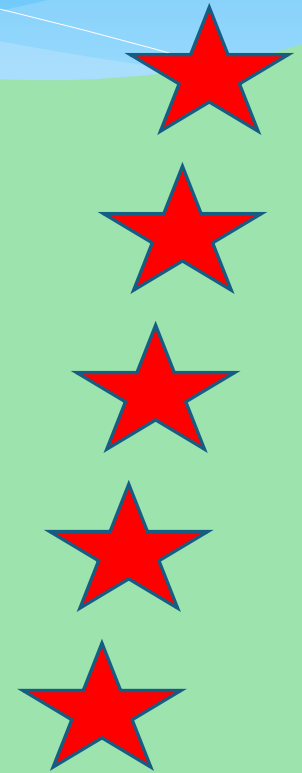
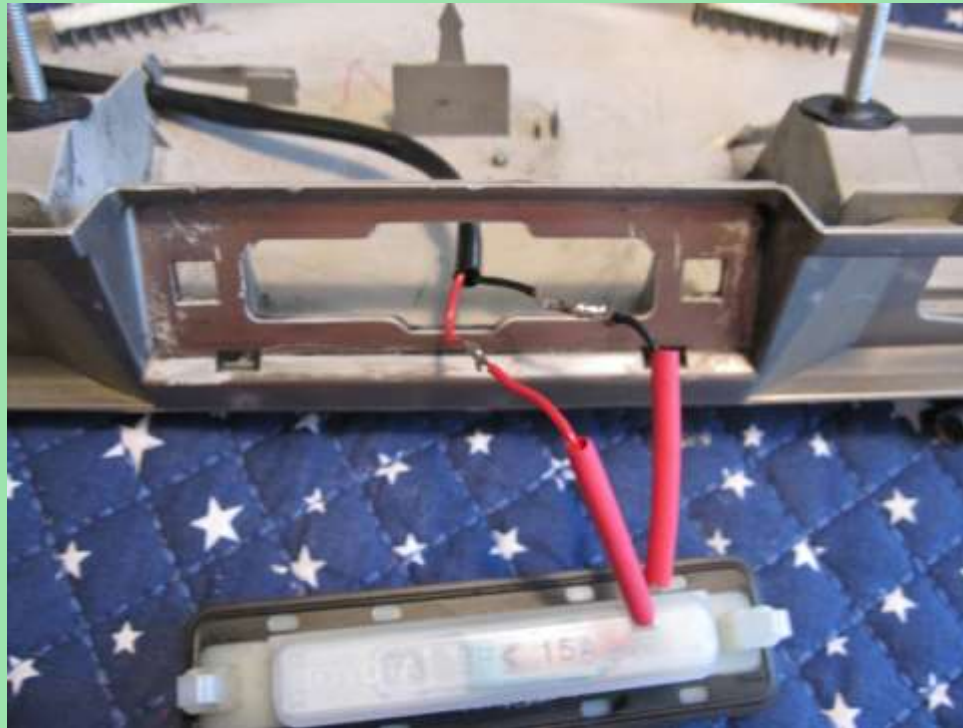
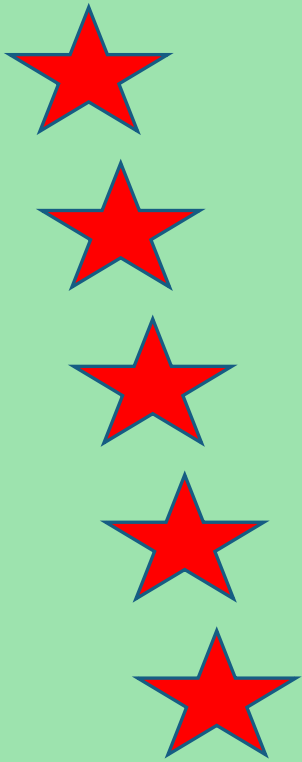
**Shrink Tube &
Heat Gun
Or
Electrical Tape**



NEW SWITCH with shrink tube on PREPARED FOR SPLICING



**NOTE: PUT SHRINK TUBE ON WIRES
AND RUN WIRES THROUGH GARNISH
BEFORE SOLDERING**

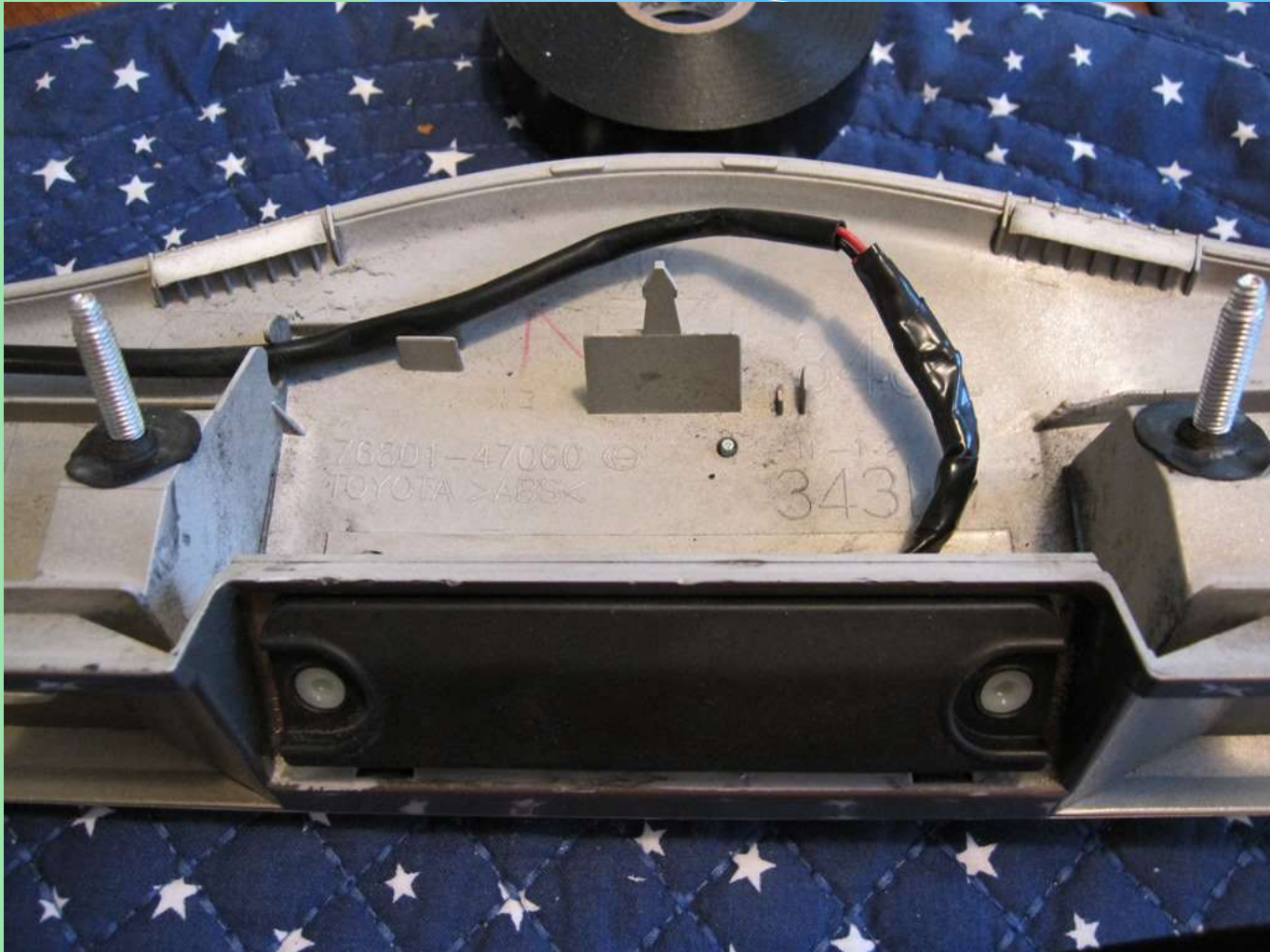


Note: Wires on RIGHT Side when inserted

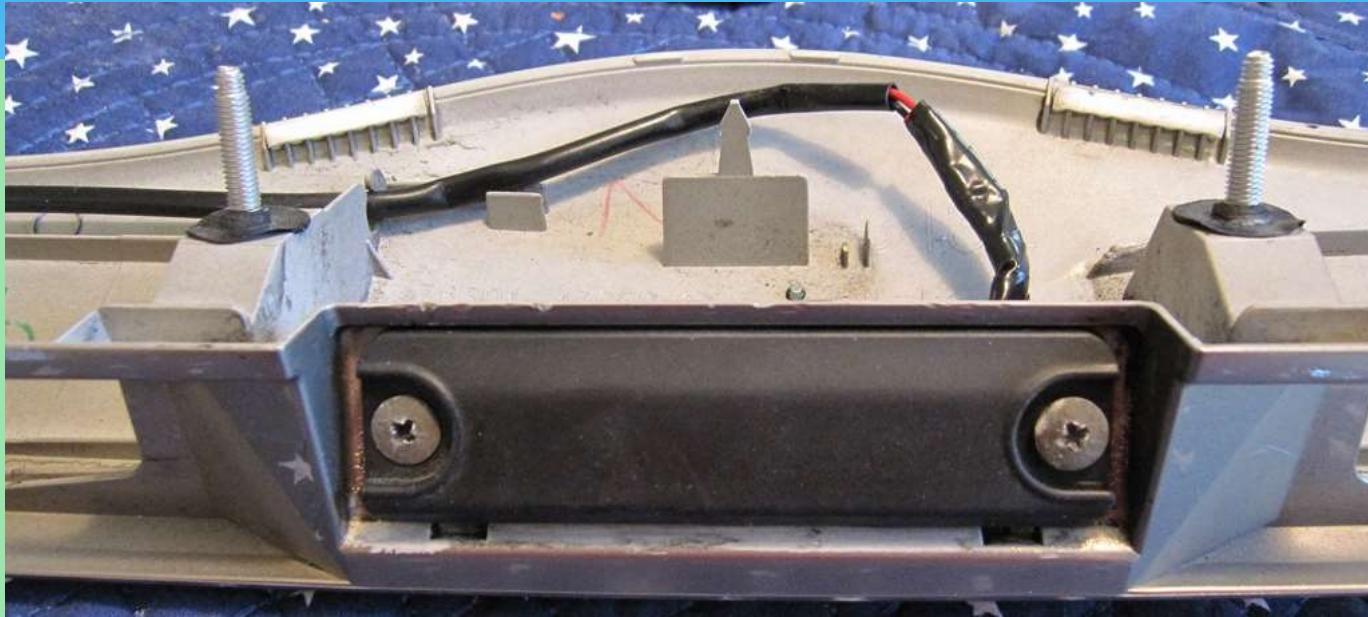
Heat Shrink Tube



INSERT SWITCH IN GARNISH.
IF NO HEAT GUN, USE ELECTRICAL TAPE.
MAKE SURE WIRES ARE NOT TOUCHING EACH OTHER.



Secure Switch with 2 Screws



Old Switch removed - I tried scraping the old seal off with a razor blade to just replace the seal which is removable. It was HOPELESS.



- It took about 15 minutes with Cleaner, paper towels and Q-tips to get all the tarlike switch seal material off garnish before installing the new switch.

Reinstall Garnish in Door Panel.

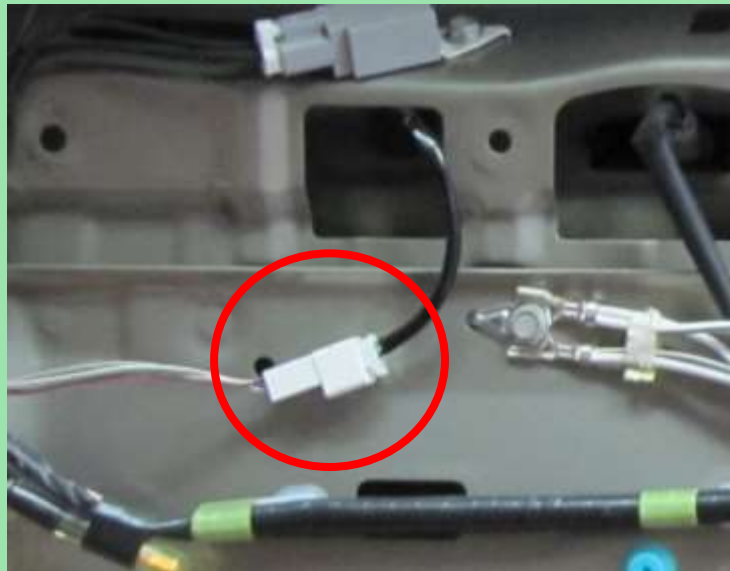
Feed wire through hole, reinsert seal in hole, make sure **top edge of garnish goes under weather seal** on door panel as you insert bolts through holes and snap 2 fasteners in place.



Secure garnish to door panel with 4 bolts.



Plug connector into socket.



Make sure all 11 blue fasteners are in place on back door lower trim board and reattach to door panel.



New Switch Installed in Door Working Properly with NO STICKY SURFACE



Parts Cost: About \$60; Time About 1 Hour.