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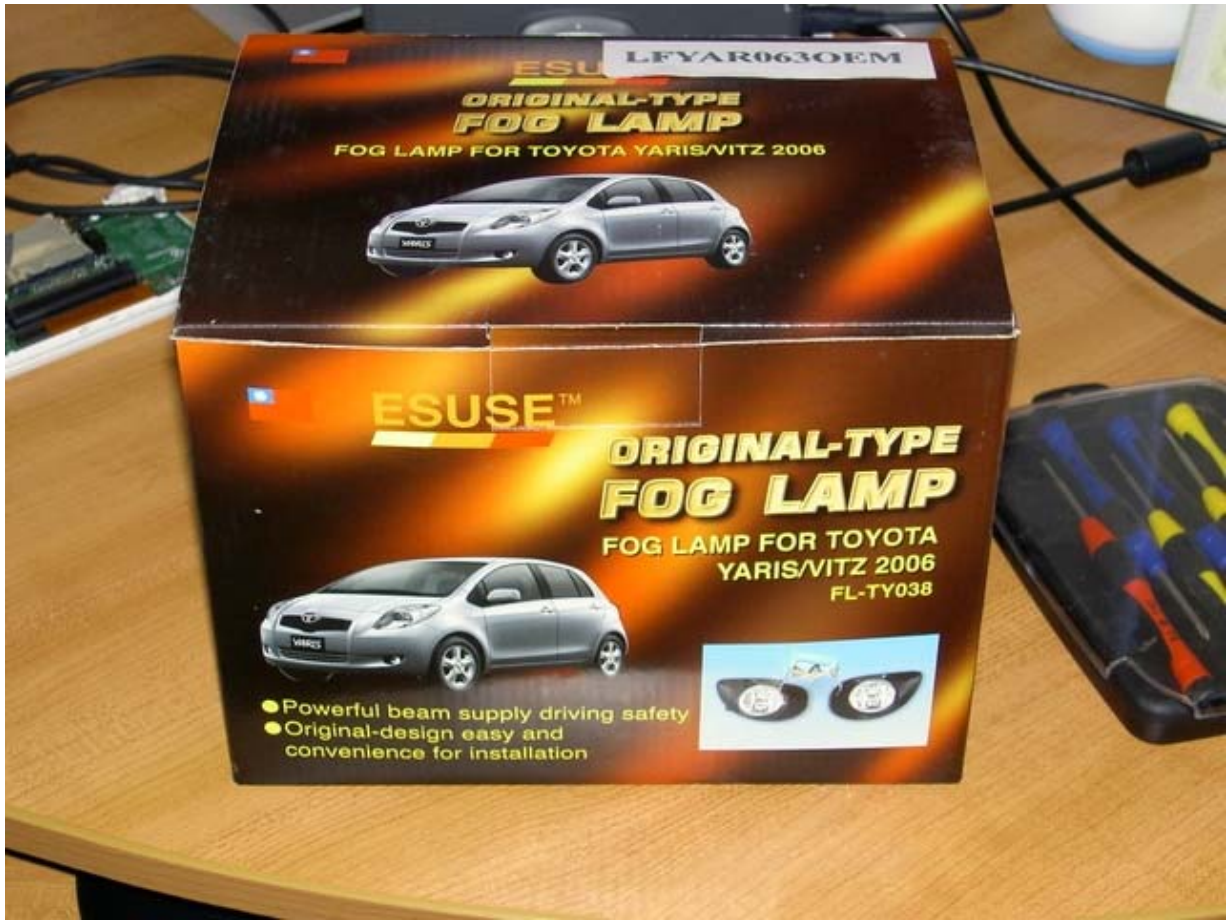
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DIY (08' USDM Liftback): ESUSE Fog Light Install

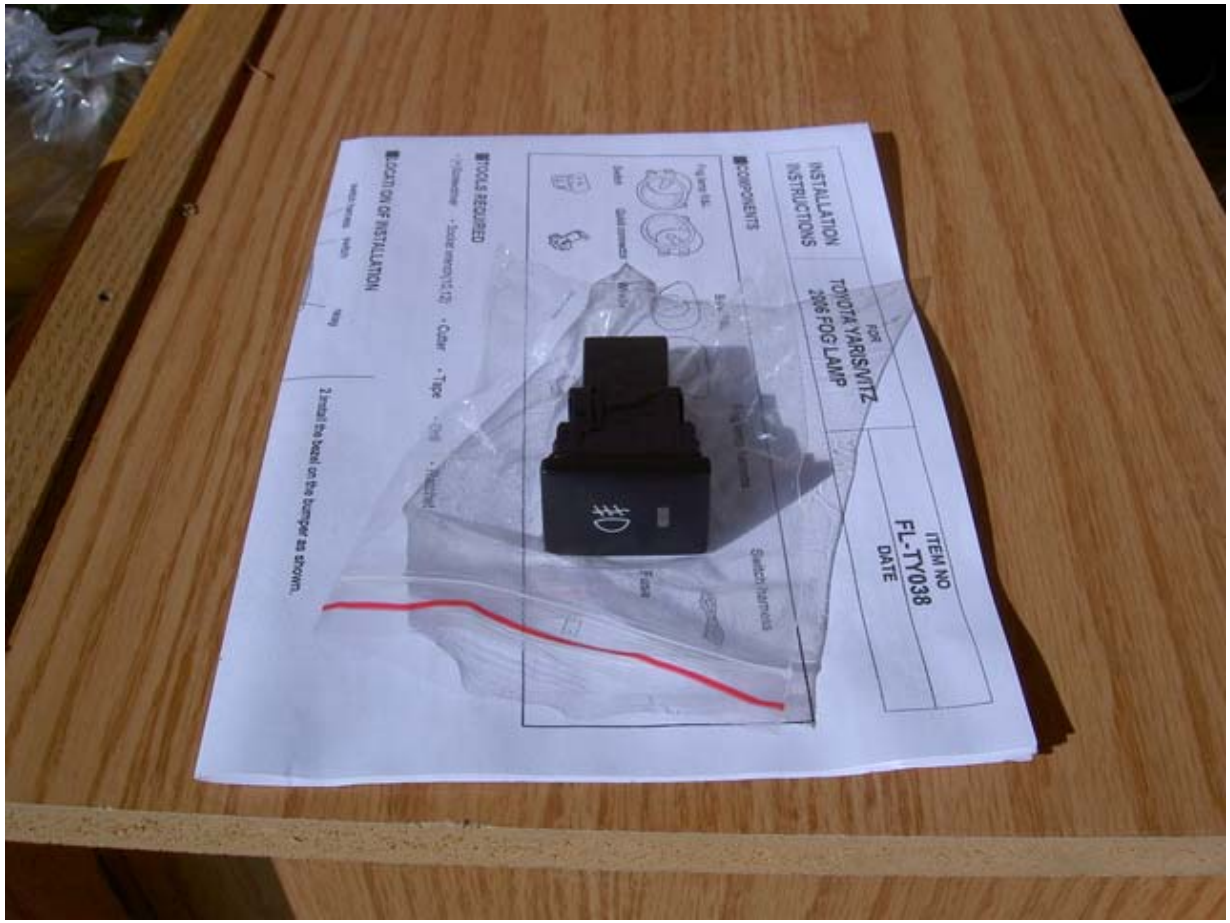
Disclaimer: I'm not an electrician or an authorized Toyota installer. This is what worked for me. I am in no way responsible for you breaking, burning or otherwise destroying your car. If corrections need to be made to this guide, I will do so in my spare time. Feel free to PM me with suggestions/corrections/questions.

Note: While the stock Toyota instructions or not completely accurate for all generic installations, it has great info on how to remove the front bumper, wiper components and interior panels. Just ignore the rest and follow my guide to fill in the blanks.
The Toyota Guide

This is the box that arrived from an EBay seller in California. It's a respectable Taiwanese brand with a great OEM fit.


LFYAR0630EM
ORIGINAL-TYPE
FOG LAMP
FOG LAMP FOR TOYOTA YARIS/VITZ 2006
ESUSE™
ORIGINAL-TYPE
FOG LAMP
FOG LAMP FOR TOYOTA
YARIS/VITZ 2006
FL-TY038
Powerful beam supply driving safety
Original-design easy and
convenience for installation





Before the installation:


PIERCEY
PIERCEY
TOYOTA SCION
@Great Mall Pkwy



Remove the front bumper by following the Toyota factory instructions:



Layout the fog light harness:



Remove the factory inserts:



My bumper had some paint over spray that I had to peel off:



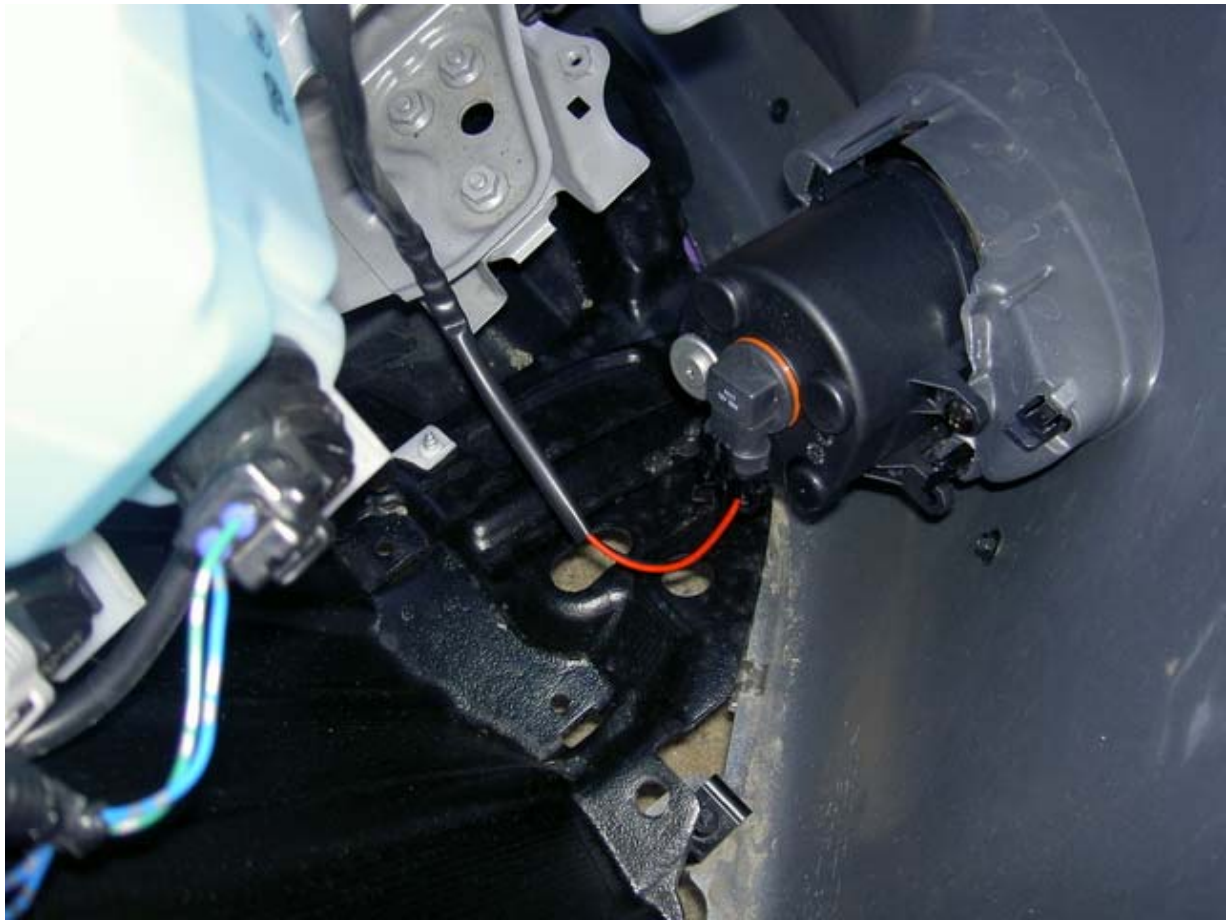
Slide the fog light assembly into the bumper slots:



Use the included screws to secure the other side of the assembly:



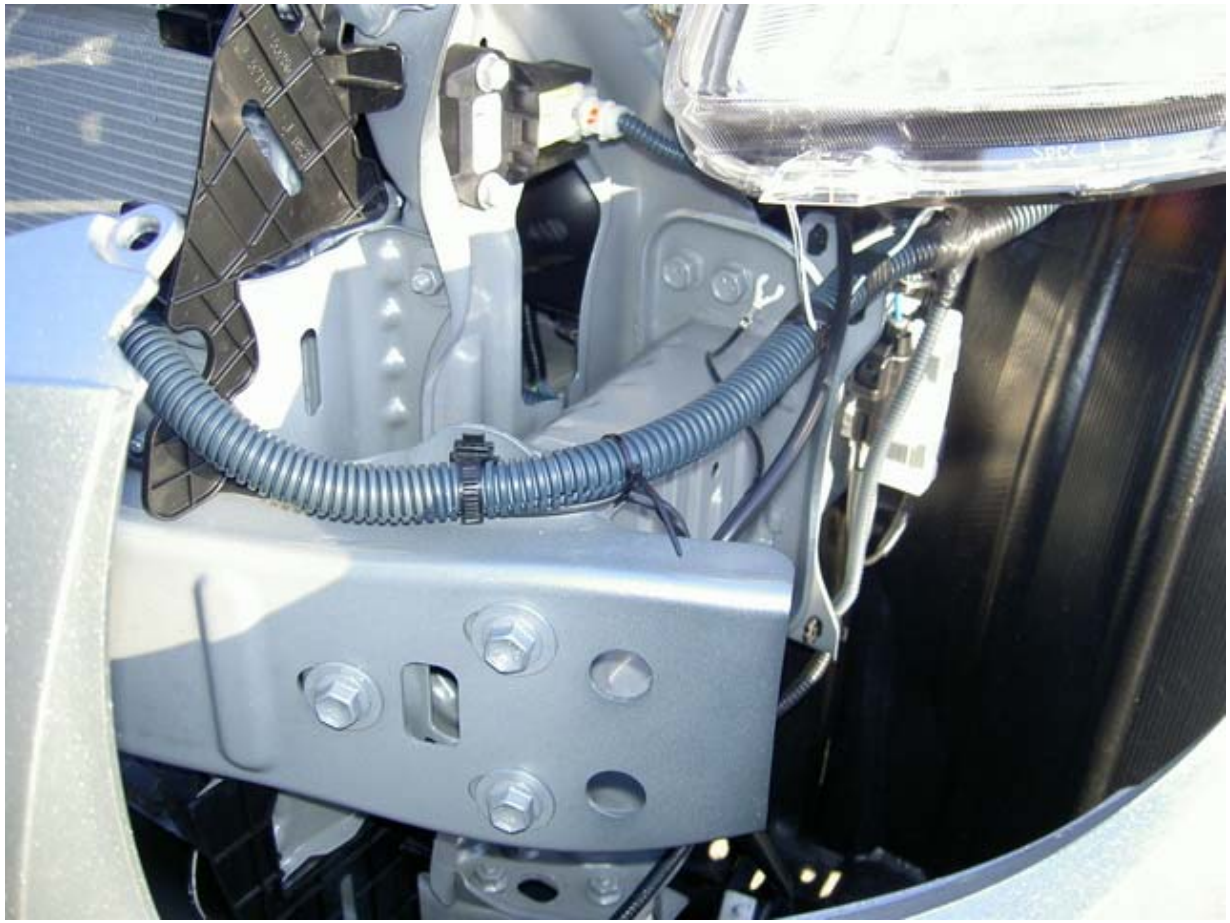
Plug in the passenger's side fog light:



Route the harness along the front bumper zip tying it to the factory harness along the way:



Secure the harness to the factory harness and plug in the driver's side fog light:



With a 10mm wrench, loosen the grounding bolt on the driver's side near the head light:



Attach the fog harness ground wire to the frame and retighten:



In order to access the firewall pass-through grommet, you will need to remove the wiper assembly and supporting frame. Start by pulling back the driver's side hood molding:



Unhook the 2 retaining clips and lift off the cover. Be careful to not break the washer fluid line:





Use a flathead screwdriver to pop the wiper arm screw covers off. Then use a 14mm wrench to remove the bolts and rock the arms back and forth until they come off:



Remove the remaining plastic covers to expose the wiper assembly:



Using a 10mm wrench, remove the 2 bolts that hold down the wiper assembly and unplug the wiper harness. Remove the wiper assembly, 10 frame bolts, and entry duct. Pull the black frame support out of the engine compartment:



We now have access to firewall grommet:



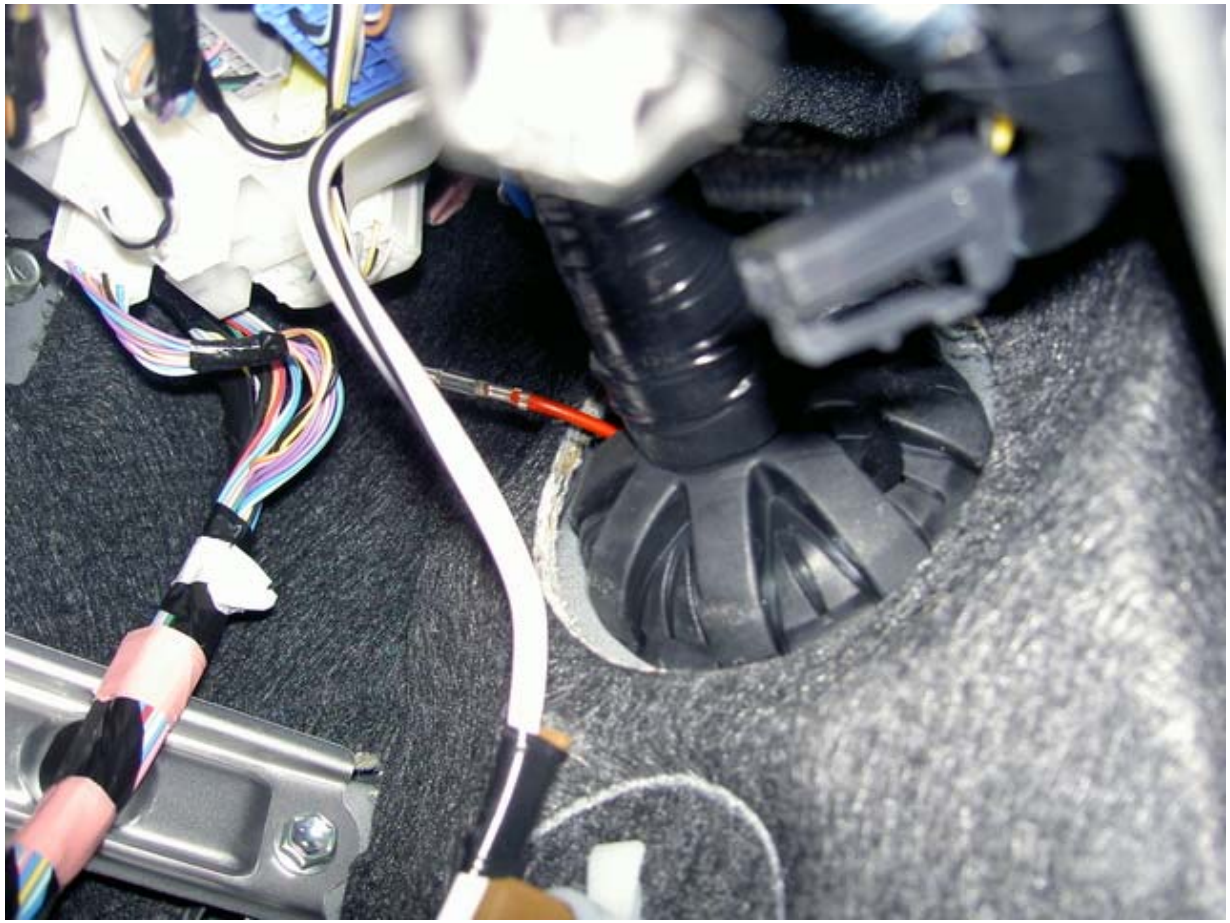
Cut off 1of the 2 grommet nipples:



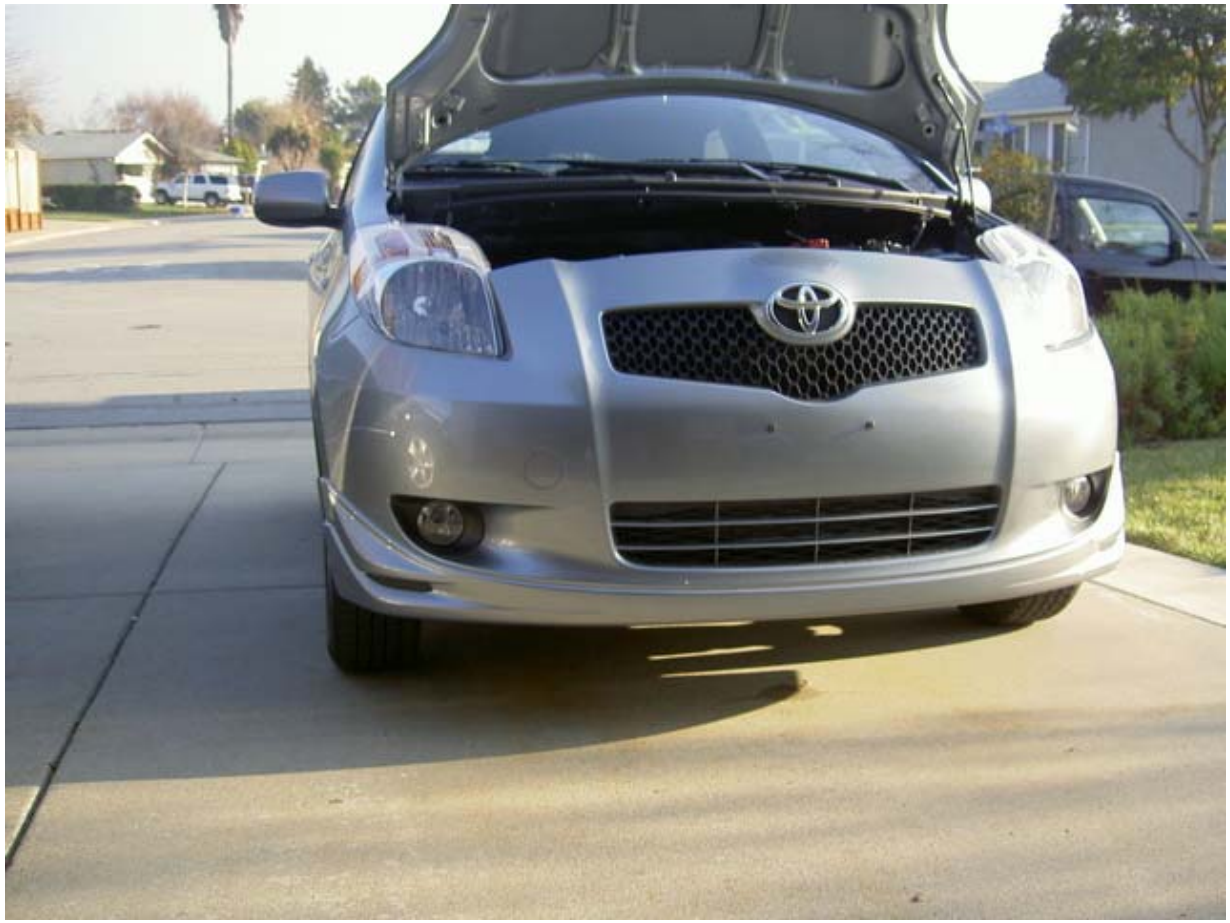
Push the fog light harness through the grommet nipple and zip tie it shut. You may have to use soap or window cleaner to lube the grommet. This should make it easier to push the harness through:



Once you push through the firewall, pull up the slack from the inside:



Reassemble the engine compartment bits, wiper, and reattach the front bumper:



OEM fit, gotta love it:



Pull down the hinged panel directly below the steering coulomb:



Remove the 2 screws that hold the panel on:



Remove the 2 screws that hold the kick plate:



Pull the change cup out by pushing on the side. This will expose the fuse box:



Pull up the driver's side door rail and kick panel:



Unscrew the shift knob:



Pull up the parking brake and lift out the center switch plate. Push out the upper left blank:



Insert the new fog light switch and set the plate aside for later:



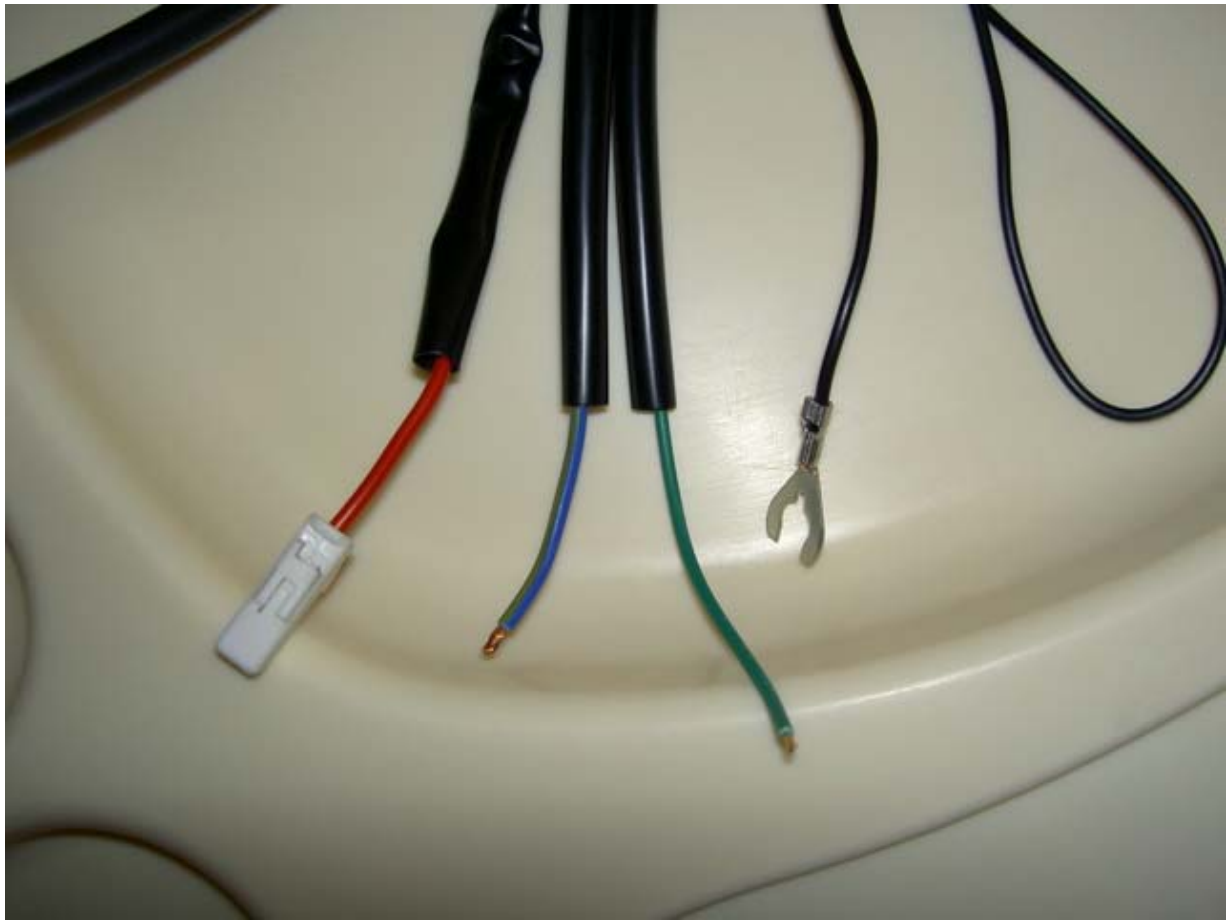
Use a 10mm socket to remove the bolt in the cup holder in the center console:



Lifting from the back of the console, remove the center console assembly exposing the factory harnesses underneath:



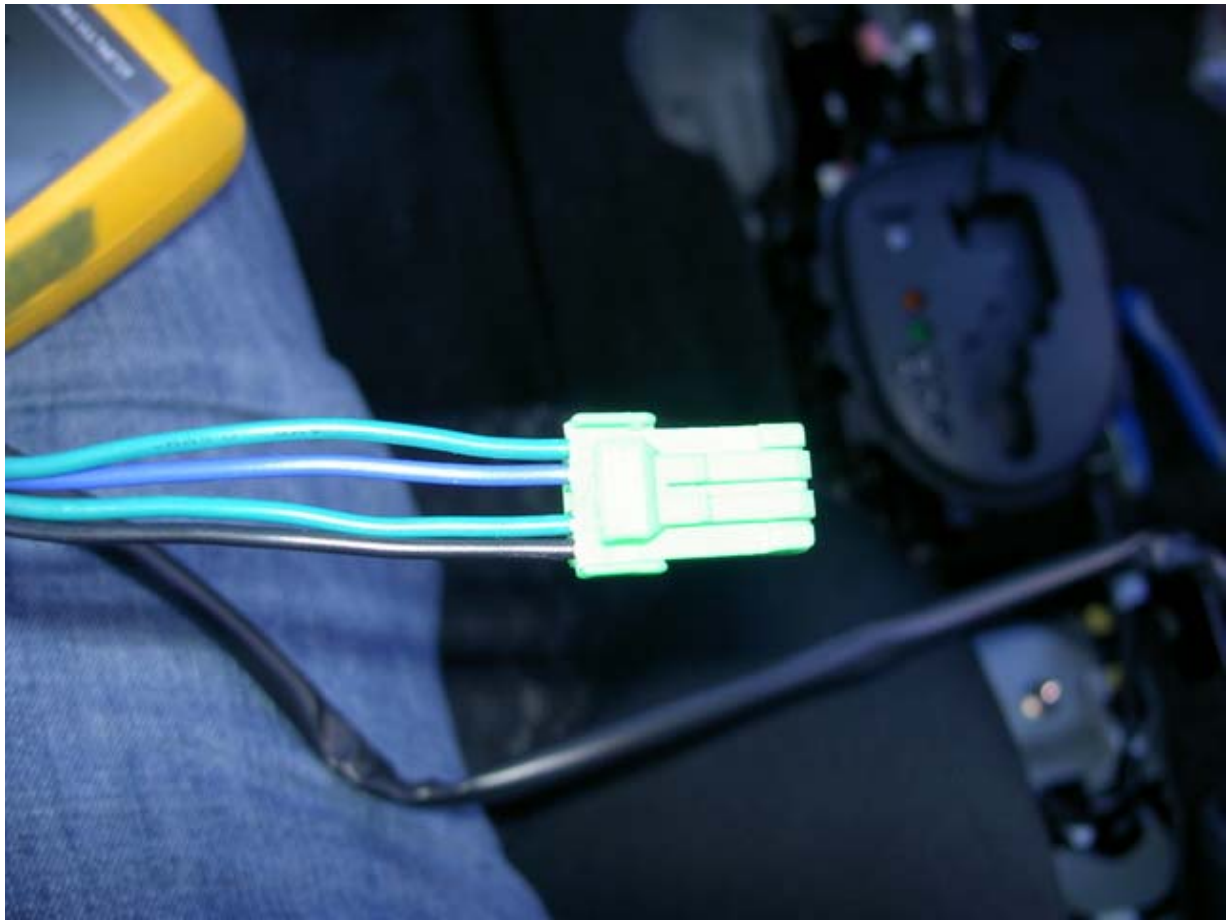
The interior fog light harness has 4 wires that need to be attached.
Black: Ground to frame
Red: Plug into the fog light harness coming from the engine compartment
Green: Light switched 12v+
Blue/Yellow: Always on 12v+



The harness also has a relay end and the fog light switch end:



Take the fog switch end of the harness and route it under the dash and down the center console:



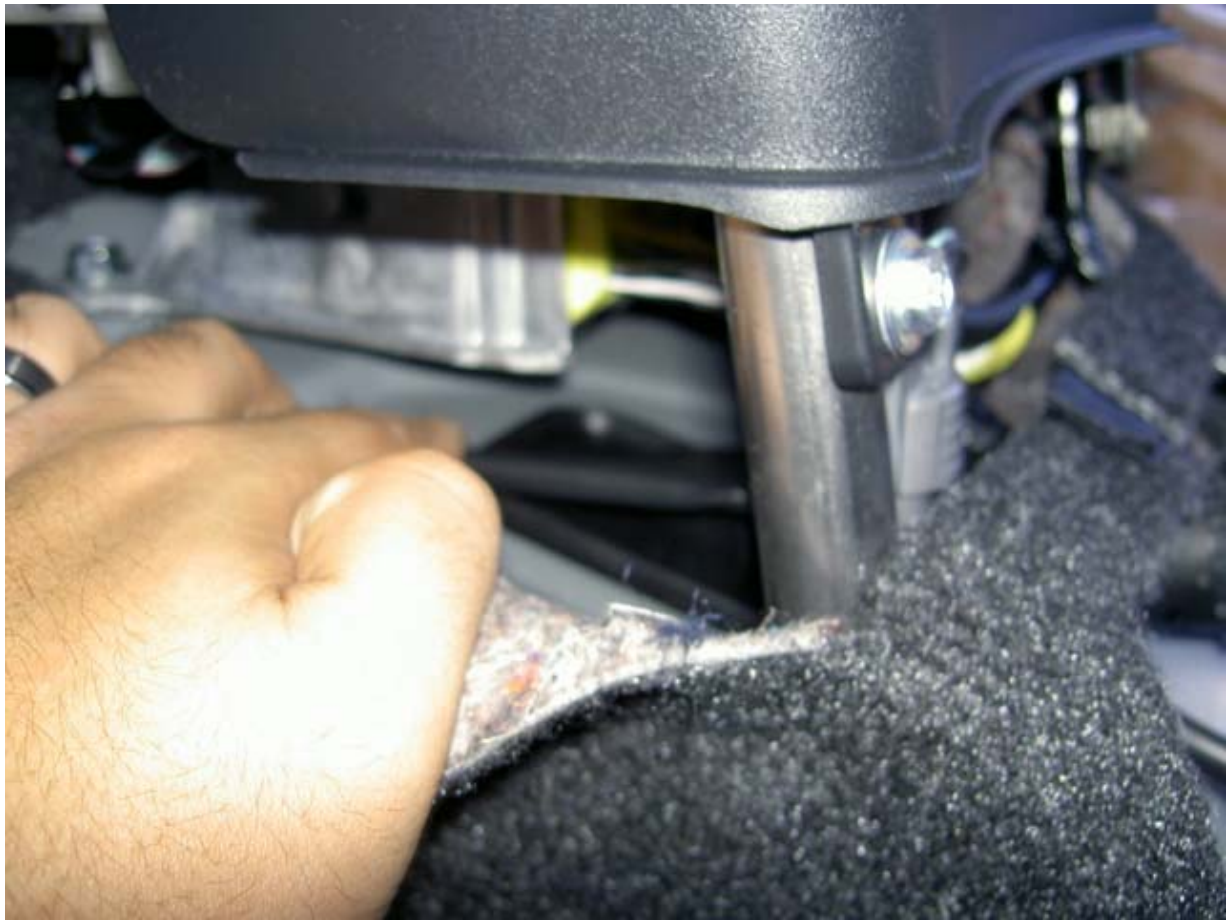
Behind the steering linkage:

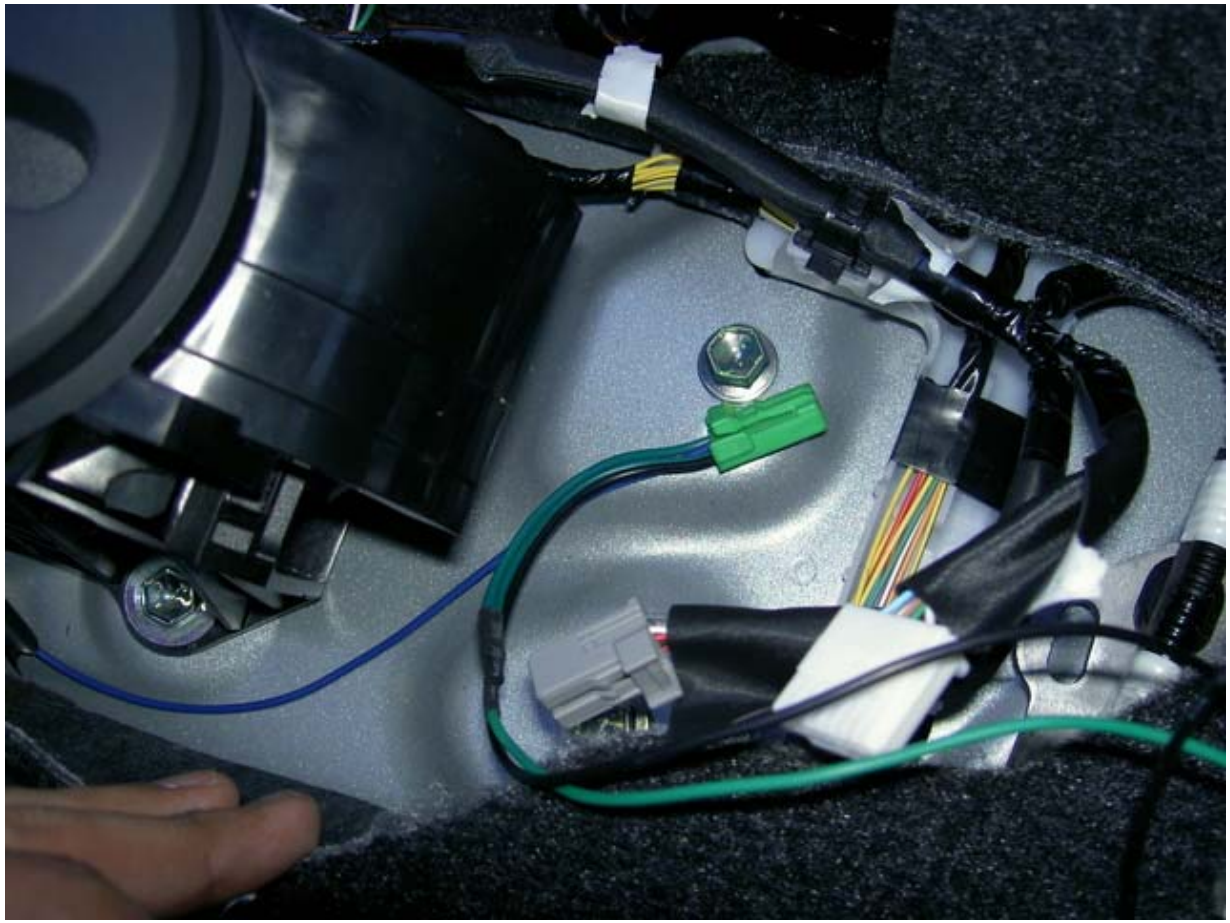


Behind the throttle harness and peddle assembly:

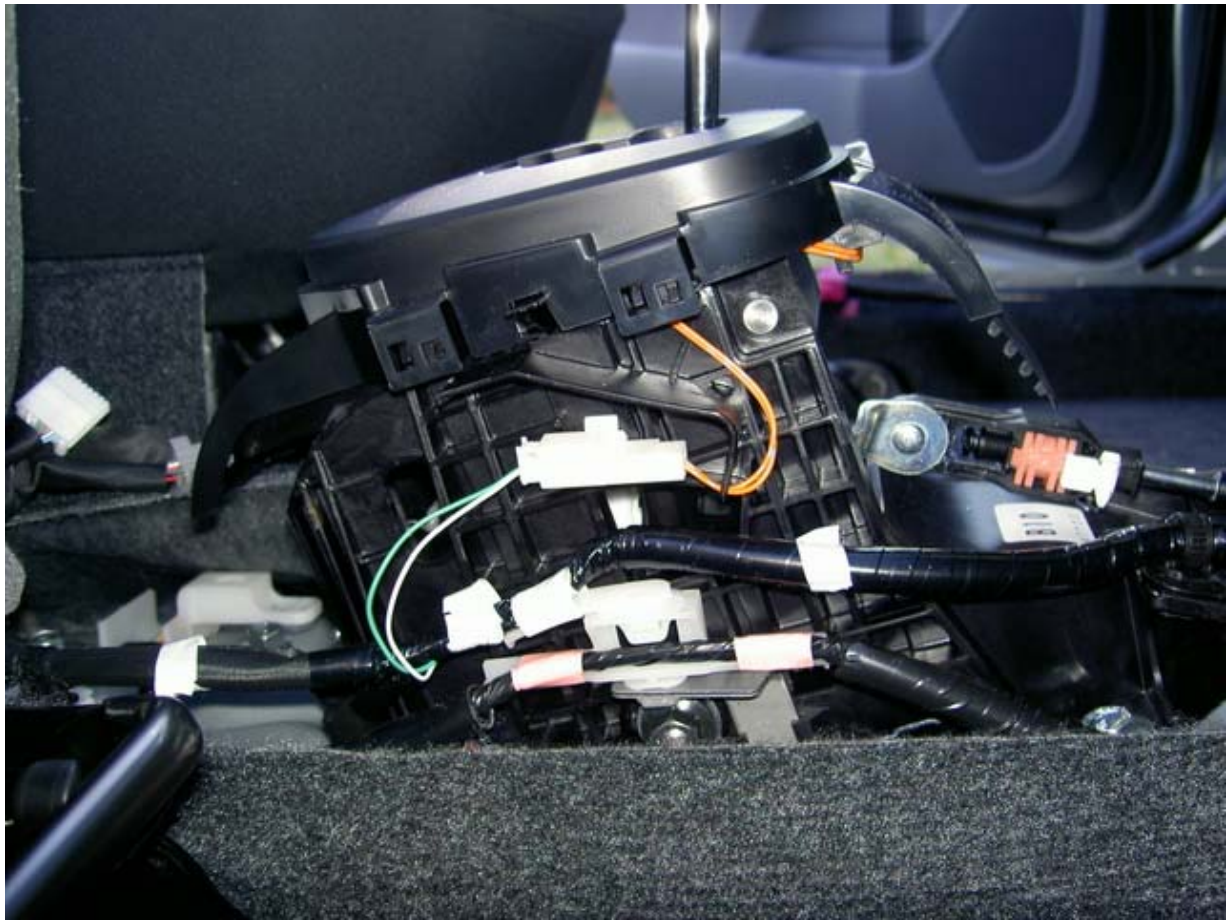


Under the carpet and alongside the shifter. You can also see I have remove the green and black wire from the switch end of the harness. This was done to utilize a light switched 12v+ point next to the shifter:

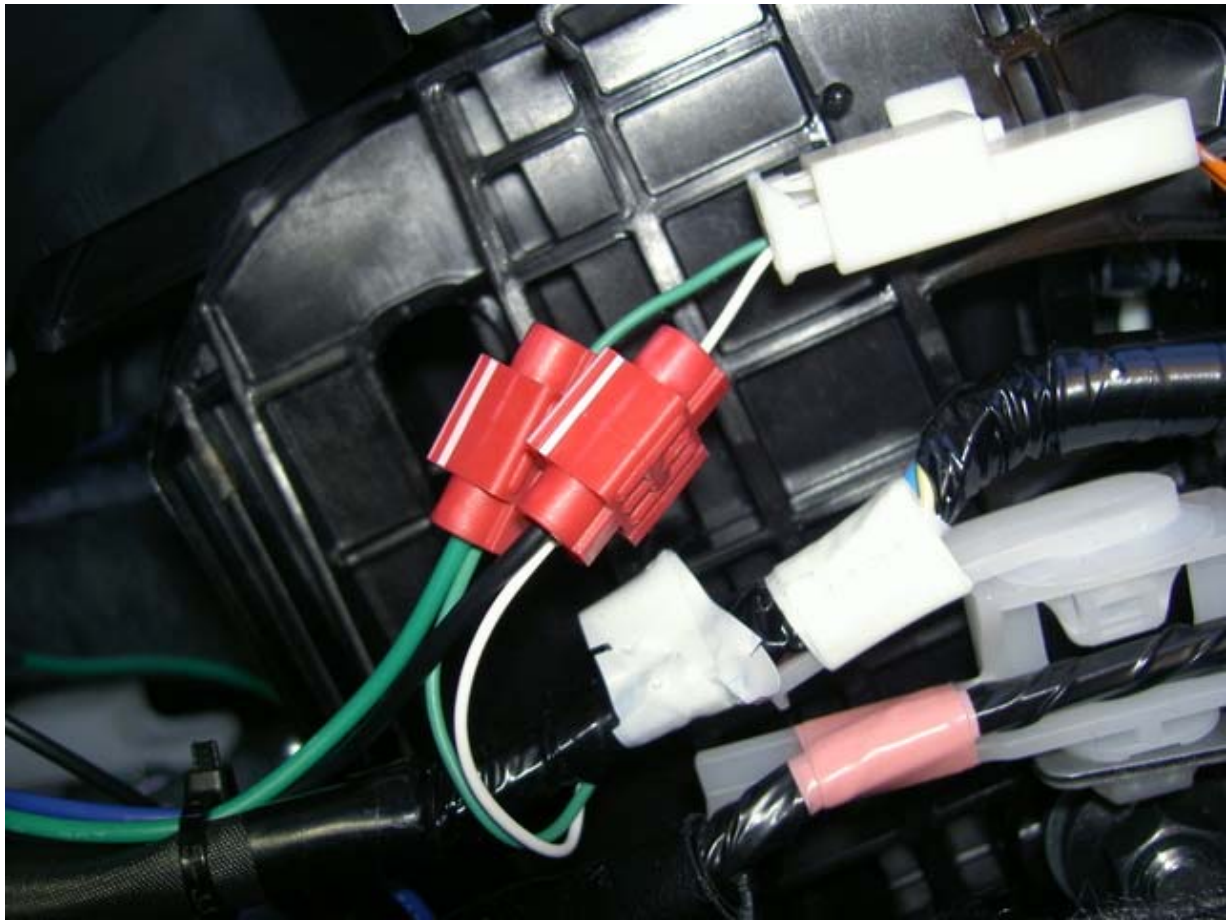




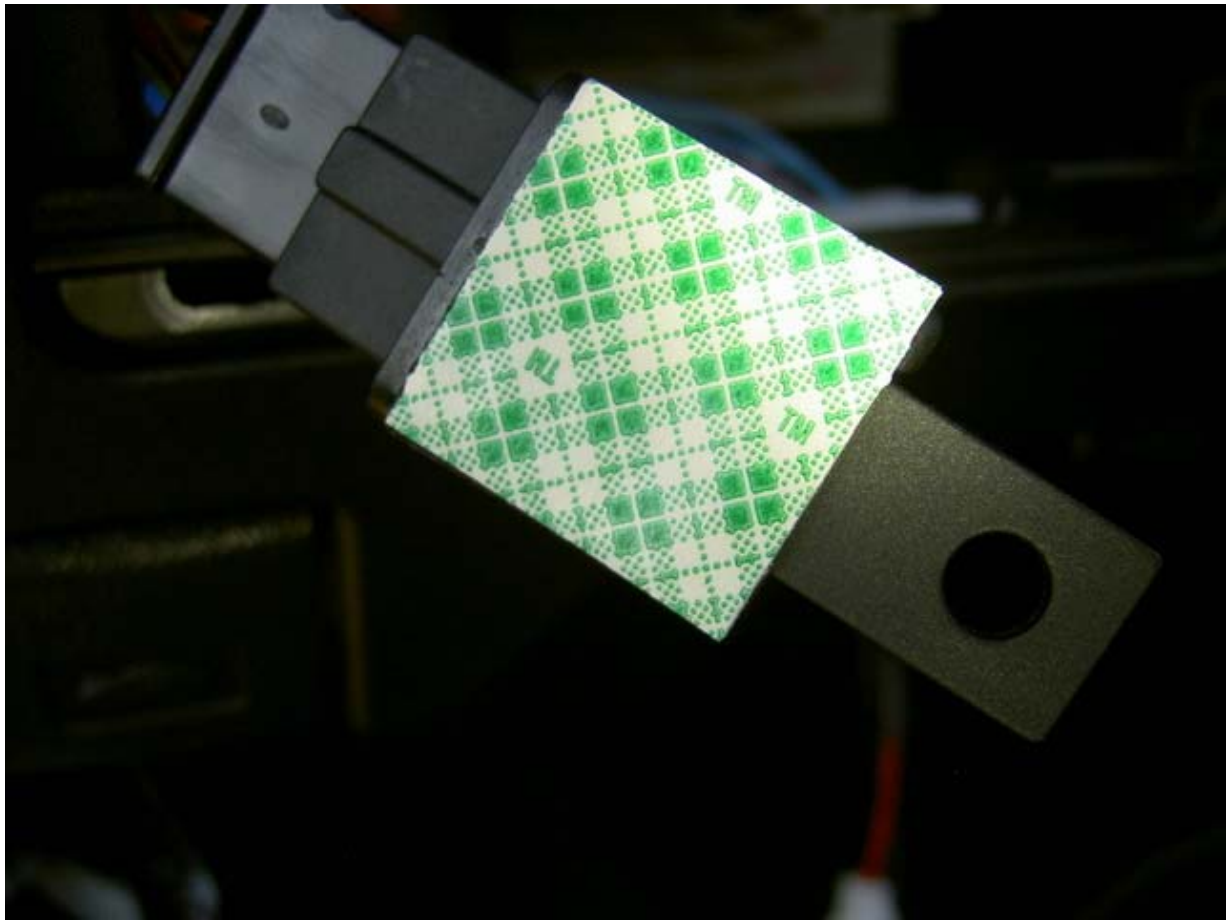
Disconnect the green/white cable from the shifter assembly:



Attach the green wire from the fog switch harness to the green wire in the factory harness. Attach the black wire from the fog switch to the white wire in the factory harness. This will not only allow the fog relay to be triggered when the parking and head lights are on, but will also allow the cabin dimmer switch to dim the new illuminated fog switch:



Apply some double sided tape (not included) to the back of the fog relay:



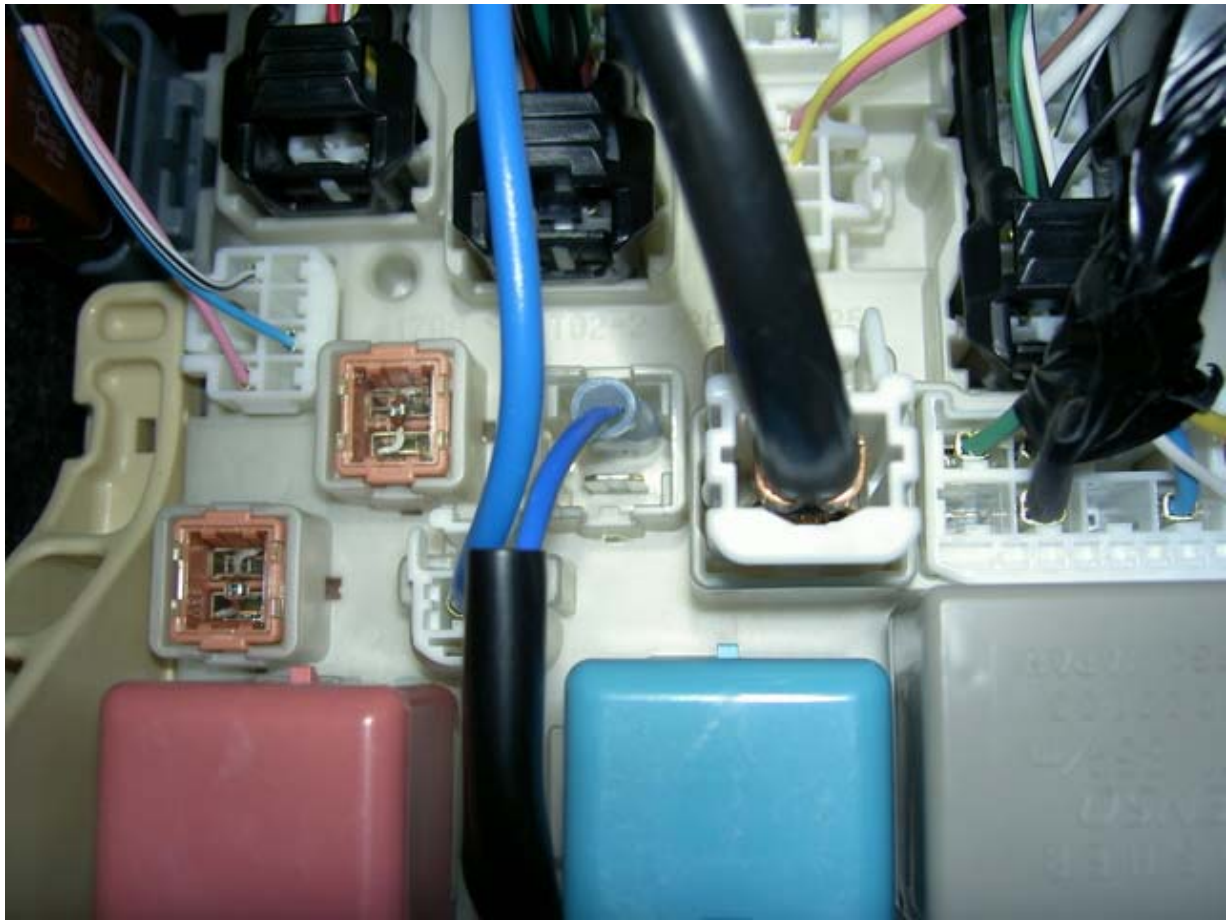
Route the fog relay behind the fuse box and stick it to the left side:



Crimp a female blade connector (not included) in the blue/yellow wire:



Plug it into the always on 12v point in the fuse box:



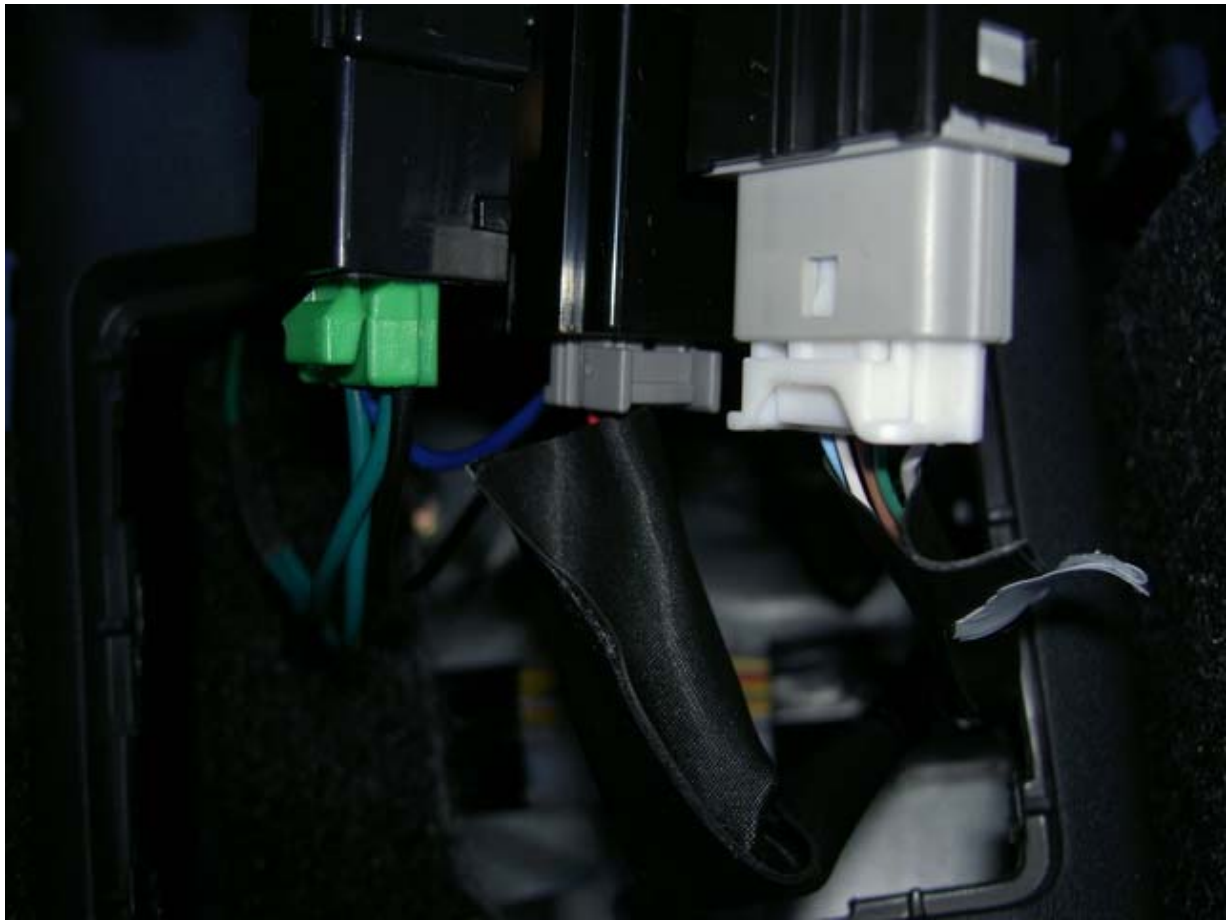
Using a 10mm wrench, loosen the grounding bolt and attach the black ground wire:



Attach the red wire to the red cable we pulled through the firewall. Bundle up the excess and zip tie it out the way:



Now that our wiring is done we can reinstall all of the interior panels. After reassembling the center console, plug all of the harnesses back in:



Push the switch plate back into the center console to complete the job:


UNLOCK
LOCK
AUX



We now have fully functional OEM fit fog lights:



Night shots: