



Installation Instructions for Brush Guard (Part# 14-050)

Parts List

Brush Guard (1)
Hexagon Flange Lock Nut with Insert, Coarse Thread (1)
Small Series Hexagon Flange Bolt, M8×30 (2)
Flat washer M8 (3)
Standard Spring Washer M8 (2)
LED Light Switch (1)

Tools Needed:

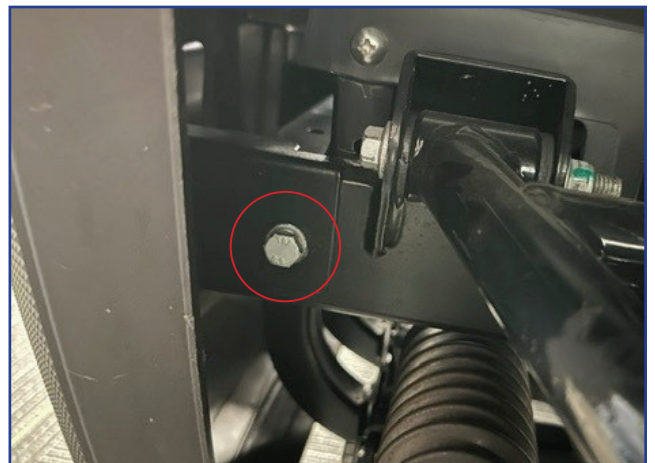
38mm (1-1/2") Hole Saw
13mm Open-End Wrench
16mm Open-End Wrench
13mm Socket
16mm Socket
6mm Allen wrench
Socket Ratchet/extension
Drill



Make sure to familiarize yourself with all instructions before starting installation.

STEP 1

Using a 13mm socket, remove and retain the (2) two bolts holding the front bumper to the frame of the vehicle to allow for the bumper to be removed.

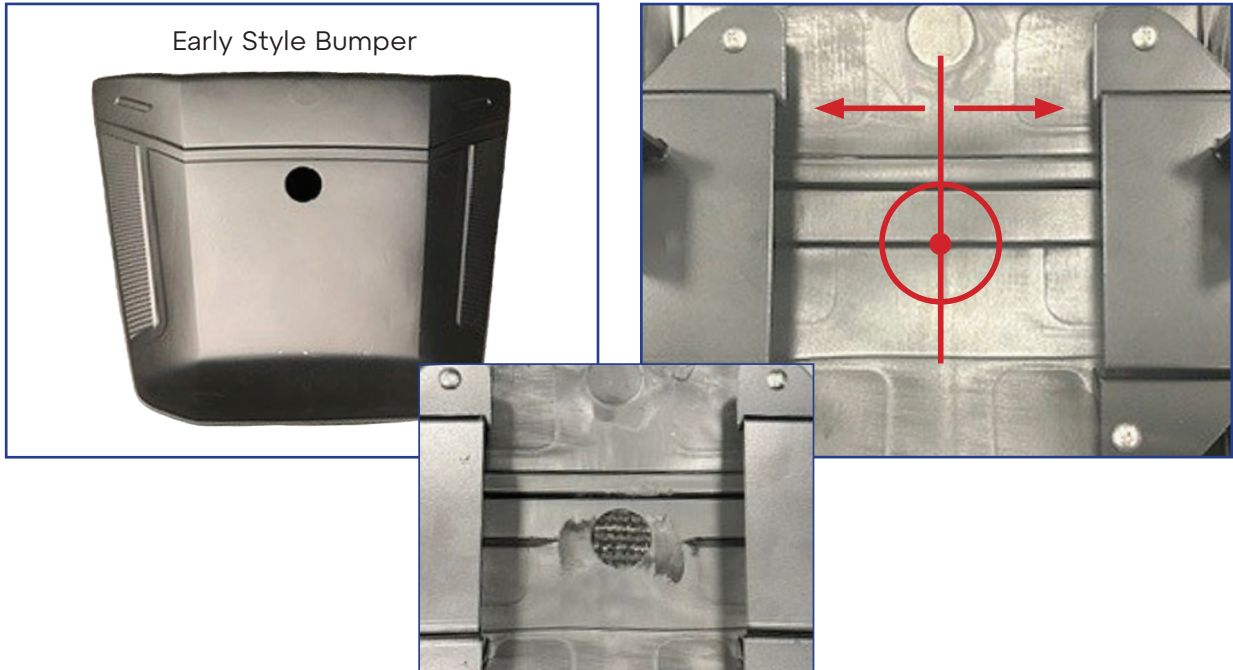


STEP 2

Once the bumper is removed, prepare for drilling the 38mm hole in the bumper. There are two styles of the front bumper, and they both are compatible with the brush guard. Determine whether you have the “early” style or the “later” style bumper as shown below.

Early Style Bumper

For the early style bumper, measure center between the bumper brackets on the inside of the bumper’s center “rib” to locate where to drill the 38mm hole. find the rib in the center of the bumper, measure between the brackets to find center, grind the rib smooth and that will be where the center of the 38mm (1-1/2”) hole is located.



Later Style Bumper

The later style front bumper has a “dimple” molded in to show where to drill the 38mm hole. See below for reference.



Once the drilling location is confirmed, drill a 38mm hole in preparation for running the lighting wiring harness.

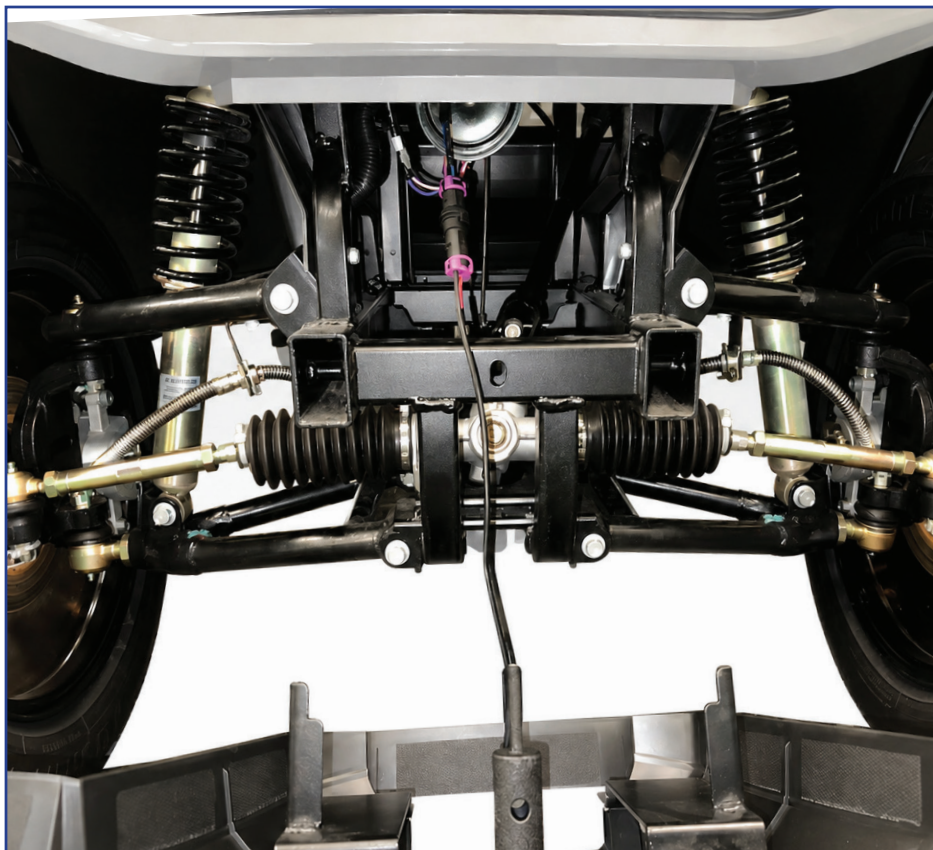
STEP 3

Set out the brush guard and verify that all necessary components and hardware are accounted for. Run the wiring harness for the light bar through the newly drilled hole in the bumper, and then slide the bumper onto the brush guard mounting tube.



STEP 4

Position the brush guard/bumper close to the vehicle, and connect the light bar to the vehicle harness (this is usually zip tied to the frame or harness below the trunk liner). Slide the brush guard and front bumper through the hole in the frame above the steering rack until the threaded stud passes through the back side. Install the 8mm washer and flange nut loosely. The bumper mounting brackets also need to be aligned and positioned in their original mounting location.

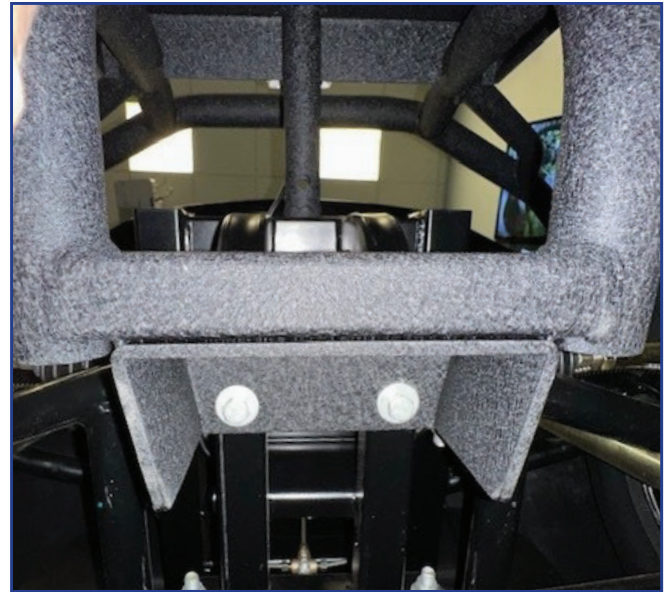


STEP 5

Install the (2) two M8x30 hex bolts with flat and lock washers to the mounting threaded holes on the bottom of the frame loosely, then reinstall the original front bumper bolts removed in Step 1.

Once all the hardware is started, position the brush guard and bumper into desired location, and tighten all the hardware using a 13mm wrench/socket.

NOTE: *There are three bolt/nuts on the brush guard and two on the bumper.*



STEP 6

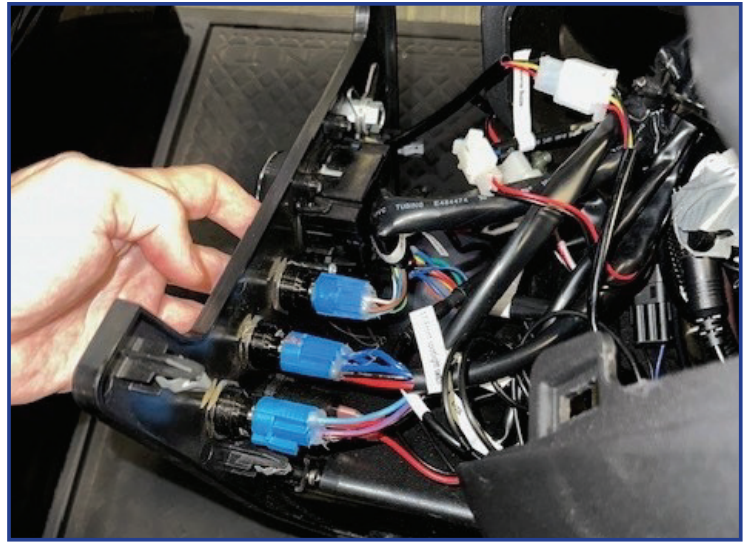
Verify that the battery is turned off, and then remove the dash panel by removing the two Phillips recessed screws (yellow arrows) at the bottom of the panel. Carefully pull the panel away from the dash to release the four retaining clips, this will allow access to install the light switch to the dash.



STEP 7

Remove the blank hole cover in the dash between the emergency flasher and the trunk release (red arrow above). Install the supplied light switch into this hole. Connect to the unused blue round connector labeled “Front Spotlight Switch”.

NOTE: Install the supplied O ring onto the switch before placing it in the hole.



STEP 8

Turn the battery and the vehicle on, and verify that the spotlight operates before reinstalling the dash panel. Once the dash has been reinstalled and the brush guard hardware is tightened and secured, the spotlight can be adjusted up or down for desired lighting.

To adjust the light, use a 6mm Allen wrench to loosen, and then tighten the hardware once adjustment is complete.



INSTALLATION COMPLETE