

Make: Toyota

Model: 2013-2018 RAV4

Application: Light Bar

PACKAGE CONTENTS						TOOLS	
QTY		QTY		QTY		QTY	
1	Light Bar	2	5/16" SAE Flat Washer	2	1/2" Flat Washer	2	3/8"-16 x2.5" Hex Bolt
2	Upper Mount Bracket	6	1/4"-20 x3/4" Hex Bolt	4	M12x1.25 (45mm L) Hex Head Flange Bolt	4	3/8" SAE Flat Washer
2	Grille Bracket	6	1/4" Split Lock Washer	2	M12x1.25 (110mm L) Hex Head Flange Bolt	2	3/8" Split Lock Washer
2	Lower Mount Bracket	6	1/4" Flat Washer	2	3/8"-16 Hex Nut		
2	5/16"-18 x1" Hex Bolt	4	1/4"-20 Rivet Nut				
2	5/16" Split Lock Washer	4	3/8" Cylindrical Spacer				

1/2" Socket/Wrench
 7/16" Socket/Wrench
 19mm Socket/Wrench
 17mm Socket/Wrench
 Rivet Nut Tool (1/4"-20 Thread)
 Panel Removal Tool

INSTALLATION INSTRUCTIONS

Remove front bumper. Start by removing the fasteners at the top of the bumper under the hood.

1

Unfasten the (2) screws in the fender well area on each side of the vehicle.

2

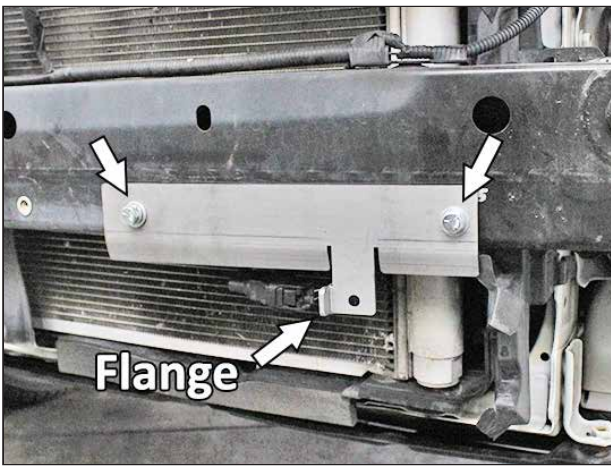
Remove the (4) 10mm-head screws under the front bumper and the (2) 10mm-head screws under the fog light area on both sides of the vehicle. The bumper should now be free from the vehicle (unplug the fog lights from the wire harness if vehicle is equipped).

3

Locate the (2) holes shown above on the bumper beam (driver side shown). Install (1) 1/4"-20 Rivet Nut into each hole using a Rivet Nut tool. Locate the mirror-opposite holes on the passenger side and repeat.

4

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Install the driver side Upper Mount Bracket by lining up the holes with the rivet nuts and fastening them with (1) 1/4"-20 x3/4" Hex Bolt, (1) 1/4" Lock Washer, and (1) 1/4" Flat Washer into each hole. Repeat on the passenger side.

5



Remove the engine splash guard by unfastening the plastic fasteners underneath.

6



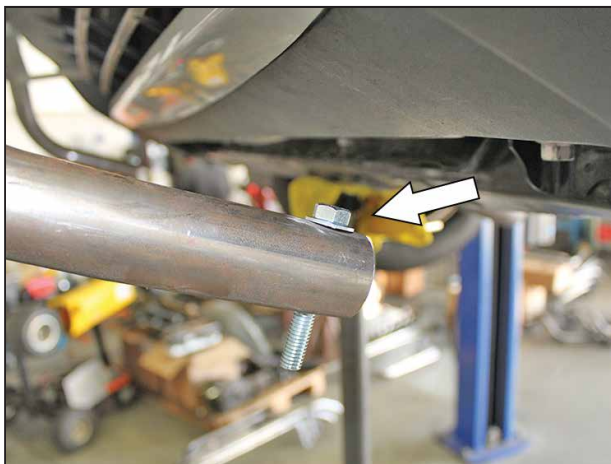
Reinstall the front bumper, but do not reinstall the bottom fasteners yet. Attach the Grille Brackets to the Upper Mount Bracket with (1) 1/4"-20 x3/4" Hex Bolt, (1) 1/4" Lock Washer, and (1) 1/4" Flat Washer into each hole. (Driver side shown) Repeat on passenger side.

7



Attach the light bar to the upper holes on the Grille Brackets with a 5/16"-18 x1" Hex Bolt, 5/16" Lock Washer, and 5/16" Flat Washer in each hole. Keep the bolt loose for now to allow the bar to pivot around in next steps.

8



Install (1) 3/8"-16 x2.5" Hex Bolt and (1) 3/8" Flat washer on each end of the light bar at the lower mounting holes.

9



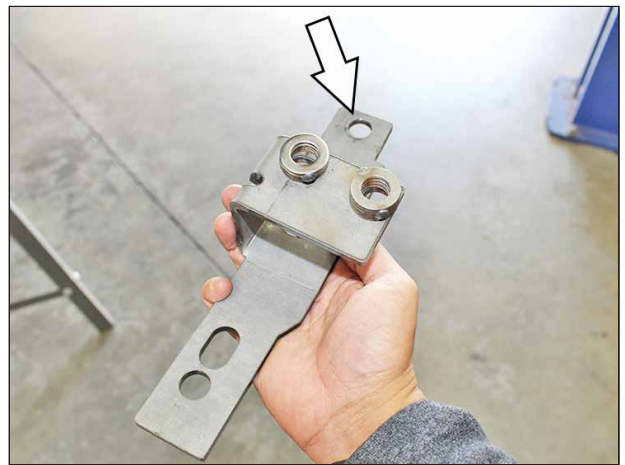
Insert the 3/8" Bolt on the Light Bar into the front hole on the lower mount bracket. Fasten the 3/8" Bolt with (1) 3/8" Flat Washer, (1) 3/8" Lock Washer, and (1) 3/8"-16 Hex Nut on each end of the Light Bar. Do not tighten yet.

10



Place cylindrical spacers on top of the mounting holes on the driver side Lower Mounting Bracket. Repeat on the passenger side bracket.

11



Place a 1/2" Washer on the rear-most hole on the lower mounting bracket so that it is sandwiched between the chassis and the bracket when it is installed.

12



Locate the (3) chassis bolts shown above on the driver side. Remove these bolts.

13



Attach the Bracket to the chassis using (1) M12 x110mm flange bolt at the rear and (2) M12 x45mm flange bolts through the middle of the bracket and the cylindrical spacers. Repeat process on the passenger side. Tighten down all hardware.

14



Trim the splash guard in the areas shown and reinstall. Each rectangular cut is 3" wide x 5" long and up to the indentation shown in the splash guard. Note: Adventure models have a smaller splash guard but the location and size of the cutouts still applies.

15



Completed assembly shown.

16