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# EXTREME HD GRILLE GUARD

(2021-2024+ BRONCO)

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## INSTALLATION INSTRUCTIONS

### CONTENTS

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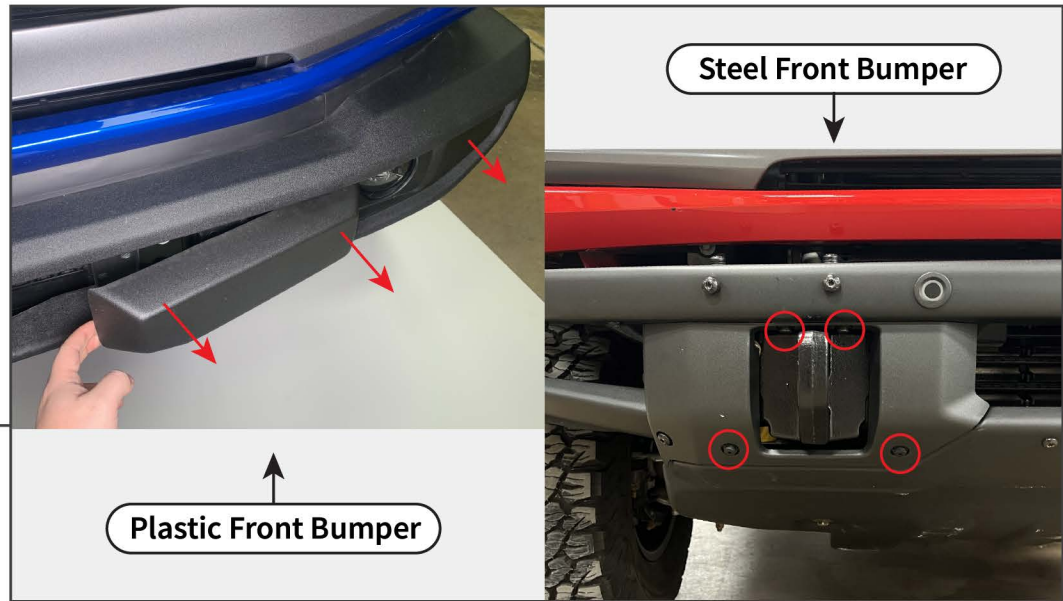
- (1) LH Headlight Guard
- (1) RH Headlight Guard
- (1) Center Grille Guard
- (1) LH Bumper Panel
- (1) RH Bumper Panel
- (1) Lower Support Tube
- (2) Lower Mounting Brackets
- (2) Middle Mounting Brackets [Steel Front Bumper]
- (2) Upper Mounting Brackets [Plastic Front Bumper]
- (2) Upper Mounting Brackets [Steel Front Bumper]
- (4) Bumper Mounting Bracket Spacers
- (2) Proximity Sensor Relocation Brackets
- (2) Proximity Sensor Housing Brackets
- (2) Proximity Sensor Extension Harnesses
- (4) Proximity Sensor Rubber Grommets
- (4) M12x1.75 x 35mm Bolts
- (8) M12 Flat Washers
- (4) M12 Lock Nuts
- (16) M8x1.25 x 35mm Bolts
- (32) M8 Flat Washers [Large OD]
- (16) M8 Lock Nuts
- (2) M6x1.00 x 20mm Bolts
- (2) M6 Lock Washers
- (2) M6 Flat Washers
- (2) M6 Flange Nuts
- (8) M6 x 20mm Combo Allen Bolts (Sensors)

### TOOLS REQUIRED

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10mm, 13mm, 15mm, 18mm,  
19mm Socket/Wrench  
T-40 Torx Socket  
Ratchet  
Panel Removal Tool  
Cutters

SKU # FB48242  
Edited: 04/16/2024

**STEP 1**

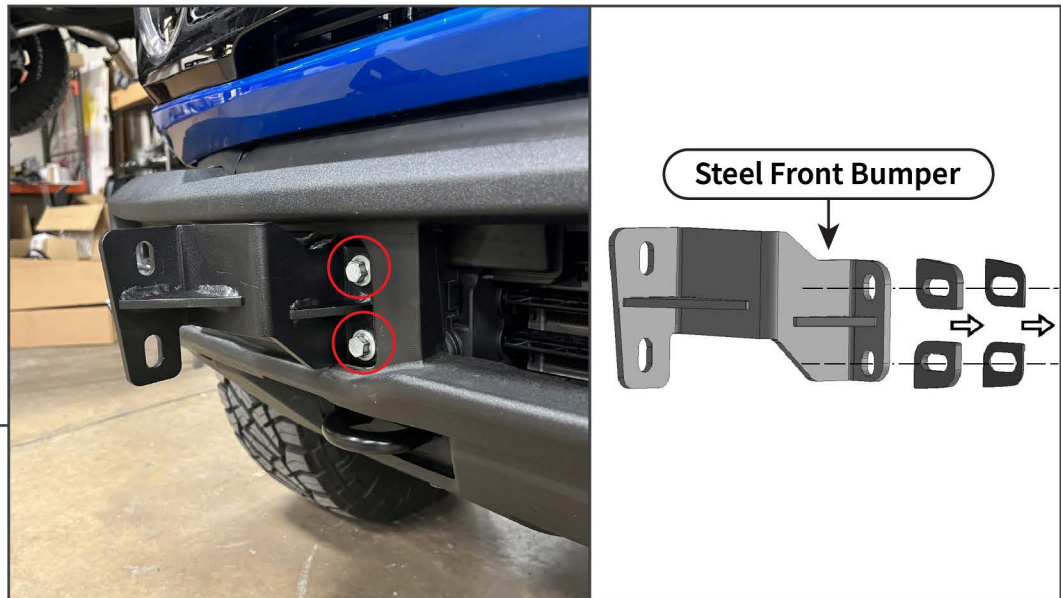
Using a panel removal tool, remove the bumper plastic trim panels covering the bumper mounting bolts.

Steel Bumper: Remove (4) plastic push clips, then firmly pull the plastic panel away.

Plastic Bumper: Firmly pull the plastic panel away from the bumper. Disconnect proximity sensor harness, if necessary.

**STEP 2**

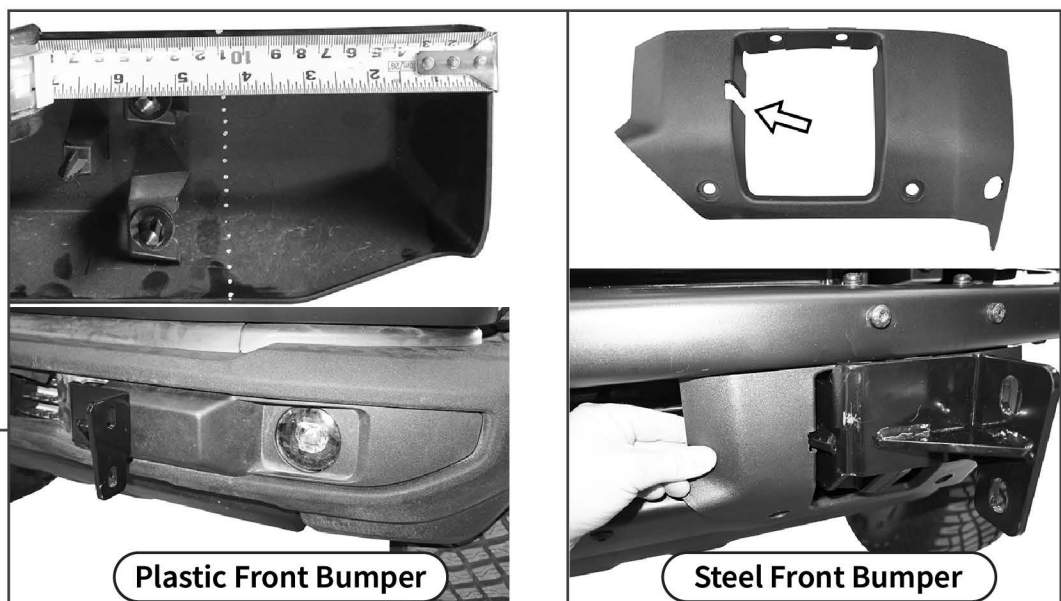
Remove the (2) inner 15mm bumper mounting bolts on each side of the bumper.

**STEP 3**

Plastic Bumper: Loosely secure the (2) lower mounting brackets to the vehicle reusing the original (2) 15mm bolts.

Steel Bumper: Fit (2) spacers between the vehicle and the lower mounting bracket, then loosely secure the bracket into place using the original (2) 15mm bolts.

**Note:** To utilize the OEM plastic covers, trimming is required. See step 4.

**STEP 4**

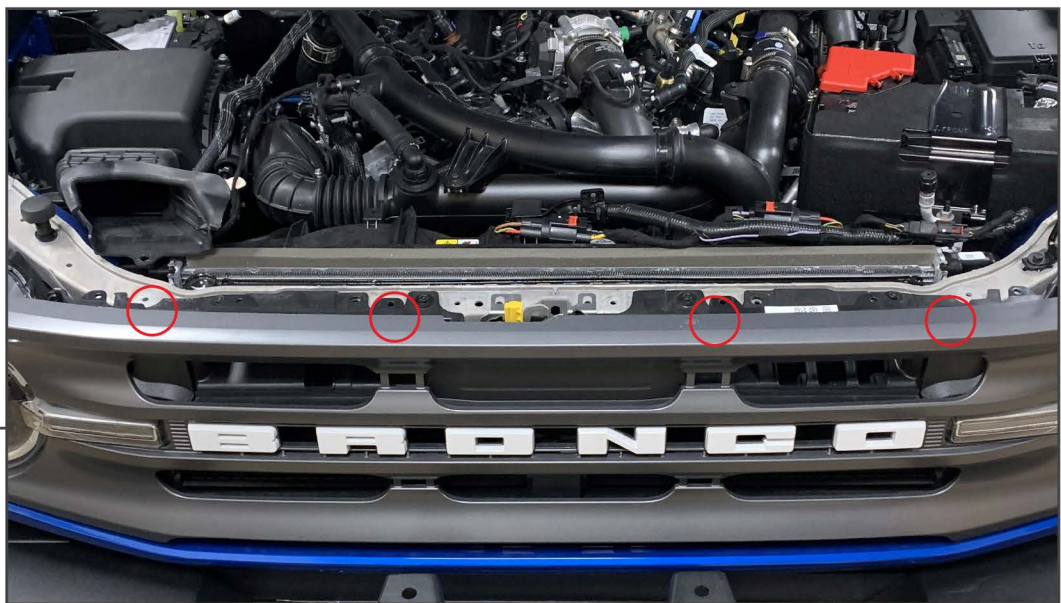
Plastic Bumper: Trim 4.25" from the inside of the trim panel. Fit the panel to the vehicle bumper.

Steel Bumper: Test fit the plastic panel to the vehicle. Locate the interference area. Carefully trim a slot along the inside of the panel to allow mounting bracket clearance.



**STEP 5**

Open the vehicle hood. Remove (9) plastic push clips from the radiator cover.

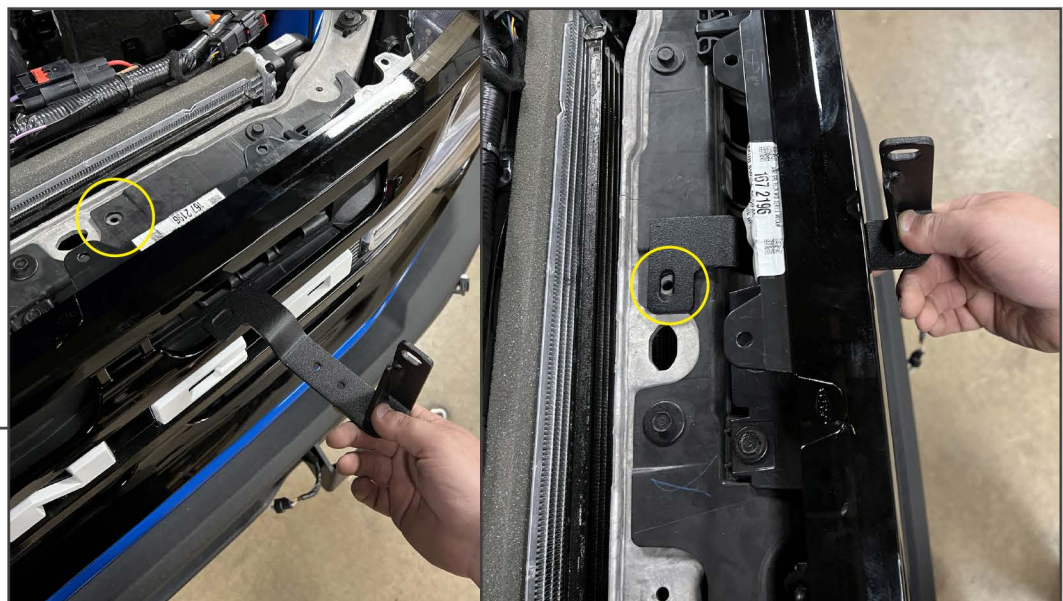
**STEP 6**

Remove (4) 10mm bolts from the top of the grille. This will allow enough movement for upper bracket installation.

**STEP 7**

Identify the included mounting brackets using the diagram above.

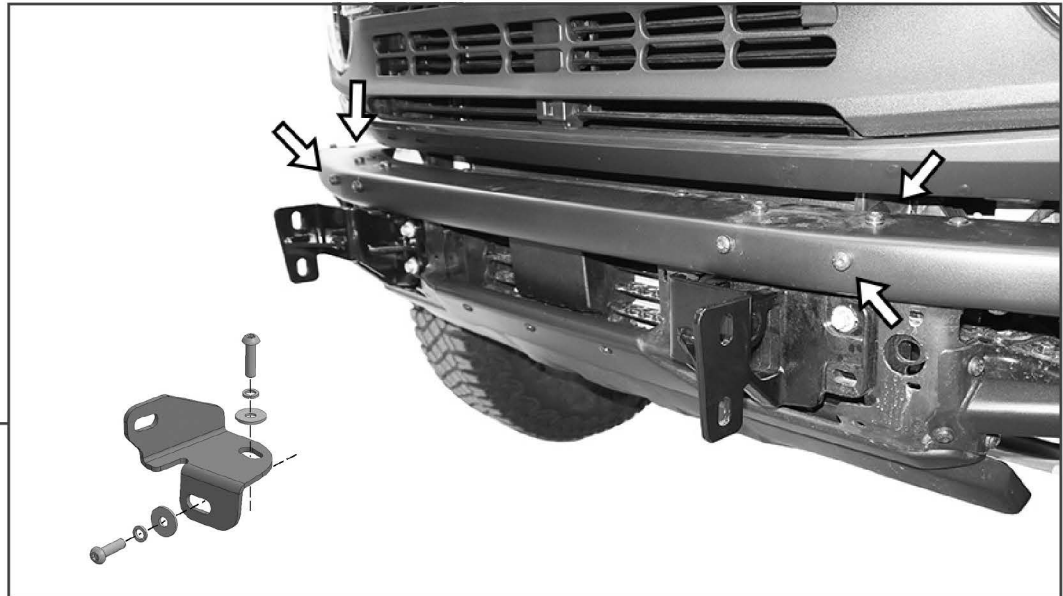
Note: The “Steel Front Bumper - Middle” bracket is only used for the steel modular front bumper. The plastic front bumper does not require the additional bracket in the middle of the grille guard. The bracket will install to the front bumper bolt holes.

**STEP 8**

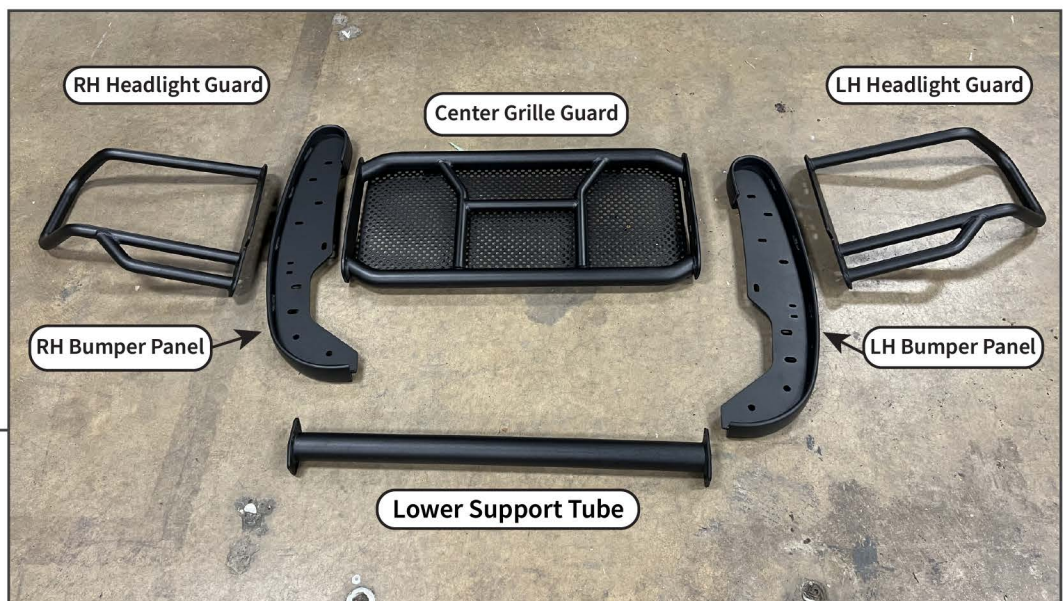
Using the appropriate mounting bracket, fit the bracket through the grille slot towards the radiator support. Locate the open hole in the radiator support. Loosely secure the bracket to the pre-drilled radiator support hole using (1) M6 x 20mm bolt, (1) M6 lock washer, (1) M6 flat washer, and (1) M6 flange nut. Allow the bracket to remain loose for later adjustments.

Repeat this step for the remaining upper mounting bracket.



**STEP 9**

If applicable, install the middle mounting brackets to the vehicle bumper. Remove the original T-40 Torx bolts, then fit each bracket and secure using (2) M8 x 30mm Allen bolts, (2) M8 lock washers, and (2) M8 flat washers.

**STEP 10**

Lay out and identify all grille guard components on a soft workable surface.

**STEP 11**

Loosely secure the center support tube to the LH and RH bumper panels using (4) M8 x 35mm bolts, (8) M8 flat washers, and (4) M8 lock nuts.

**STEP 12**

Fit the center grille guard panel in between the LH and RH bumper panels. Then, align each headlight guard to the center grille guard panel and the bumper panels. Once aligned, loosely secure the panels together using (5) M8 x 35mm bolts, (10) M8 flat washers, and (5) M8 lock nuts per side.

Note: If vehicle is equipped with forward facing camera, remove the (4) Allen bolts in the center grille guard removable panel to allow camera visibility.



**STEP 13**

With assistance, carefully lift the grille guard assembly to the vehicle mounting brackets. Loosely secure the bottom of the grille guard to the lower mounting brackets using (4) M12 x 35mm bolts, (8) M12 flat washers, and (4) M12 lock nuts.

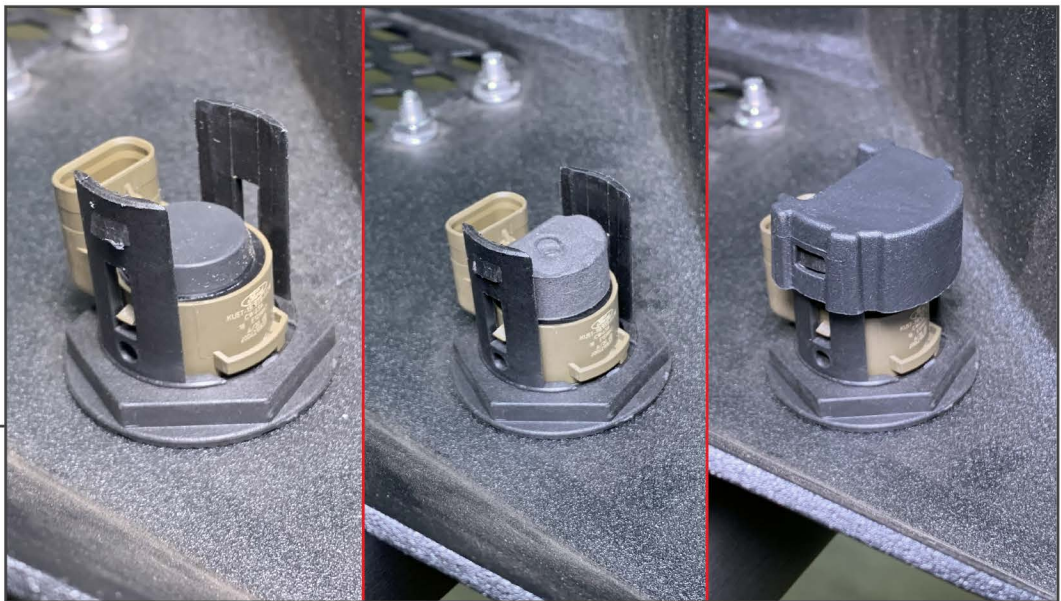
**STEP 14**

Loosely secure the top of the grille guard to the upper mounting brackets using (2) M8 x 35mm bolts, (4) M8 flat washers, and (2) M8 lock nuts.

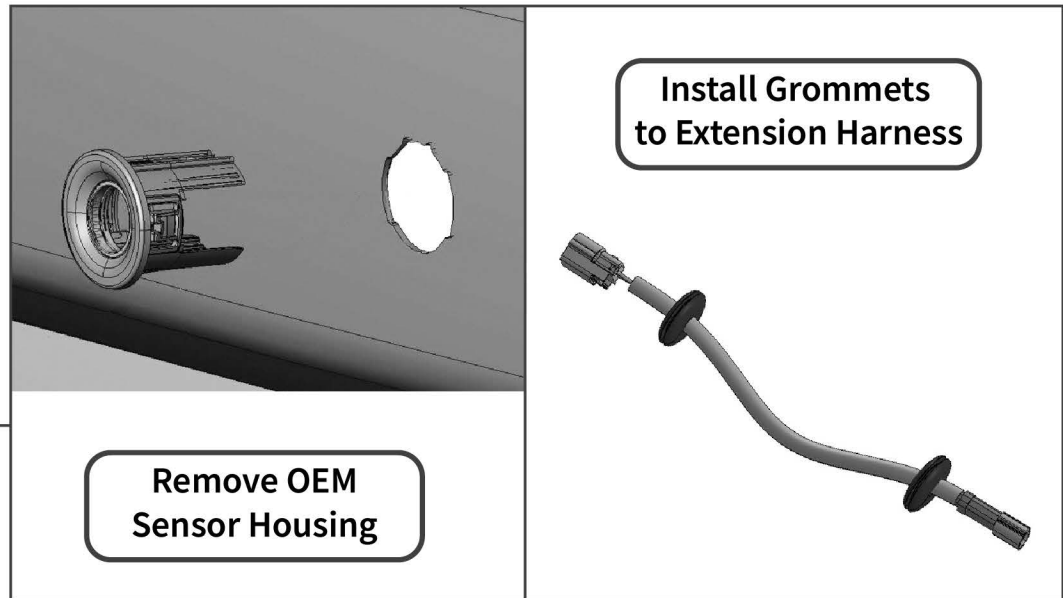


**STEP 15**

Steel/Modular Front Bumper Brackets: If equipped, secure the middle mounting brackets to the grille guard using (1) M8 x 25mm Allen bolt, (2) M8 flat washers, and (1) M8 lock nut per side.

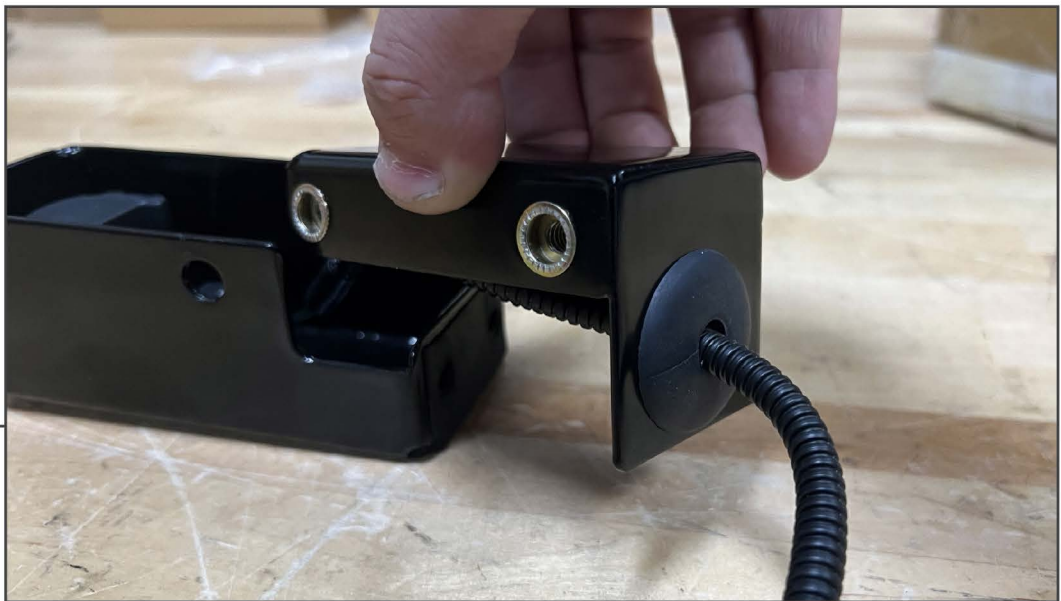
**STEP 16**

For vehicles with OEM Proximity Sensors: Remove the sensor from the original plastic housing using a flathead screwdriver. Remove the front rubber gasket. Install the provided foam ring gasket in place of the original rubber gasket. Install the sensor to the new housing/bracket using the diagram above.

**STEP 17**

For vehicles with OEM Proximity Sensors: Remove the original sensor housing from the bumper trim panel using a small pry tool.

Install (2) rubber grommets to the included extension harness.

**STEP 18**

For vehicles with OEM Proximity Sensors: Fit the harness grommet into the (1) sensor housing bracket, and plug the extension harness into the sensor.



**STEP 19**

For vehicles with OEM Proximity Sensors: Secure the housing bracket to the relocation bracket using (2) M6 x 20mm combo Allen bolts.

**STEP 20**

For vehicles with OEM Proximity Sensors: Mount the proximity sensor relocation bracket to the grille guard using (2) M6 x 20mm combo Allen bolts.

Re-install the bumper plastic trim with the extension harness routed through the sensor hole. Plug the extension harness into the vehicle sensor harness, and neatly route the wiring harness behind the bumper. Fit the previously installed grommet into the plastic trim sensor hole.



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**STEP 21**

Re-install the OEM radiator cover to the vehicle reusing the original hardware. Close the vehicle hood. Adjust the grille guard to best fit the vehicle, and tighten all grille guard and mounting bracket hardware.

Installation is now complete.