



ARMOR GRILLE WITH LED LIGHTING

(2021-2023+ F-150)

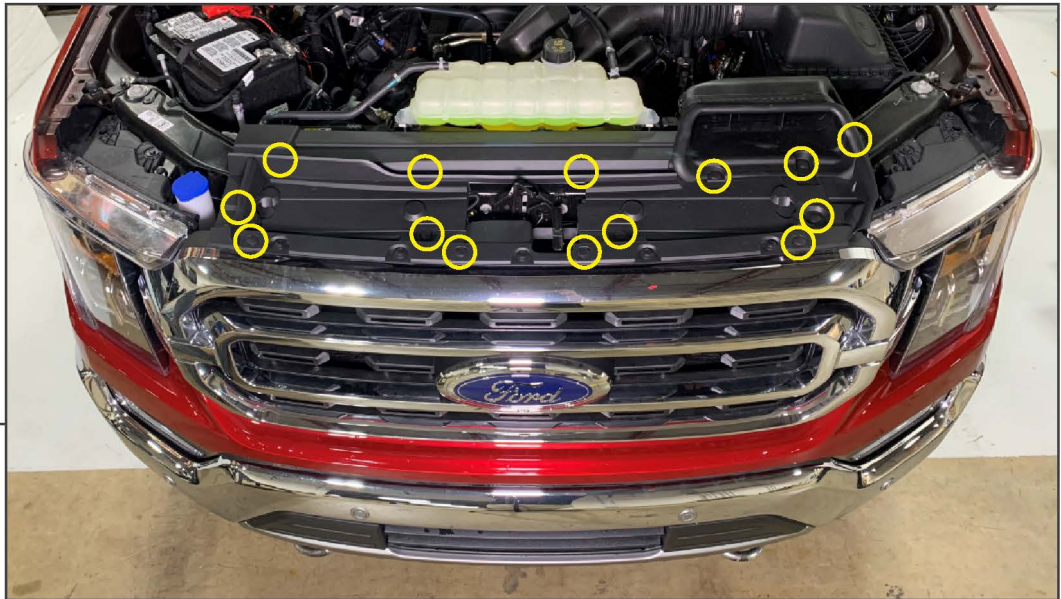
INSTALLATION INSTRUCTIONS

CONTENTS

- (1) Grille Assembly
- (1) Amber Light Harness
- (4) Scotchlok Connectors
- (4) M6 Studs
- (4) M6 Flange Nuts

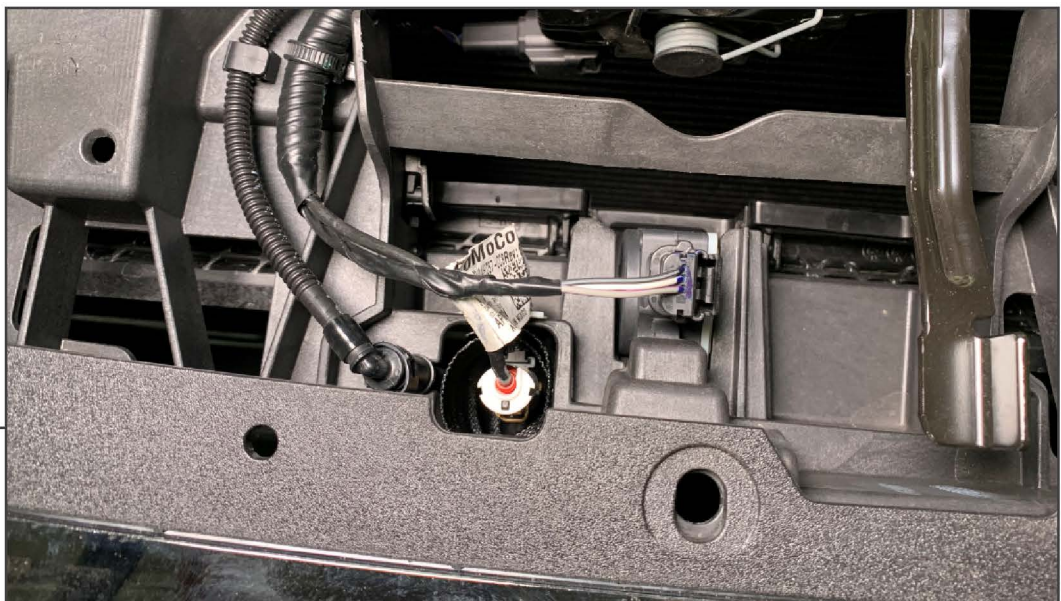
TOOLS REQUIRED

- 7mm, 8mm, 10mm Sockets
- Ratchet
- Panel Removal Tool
- Flathead Screwdriver
- Cutters



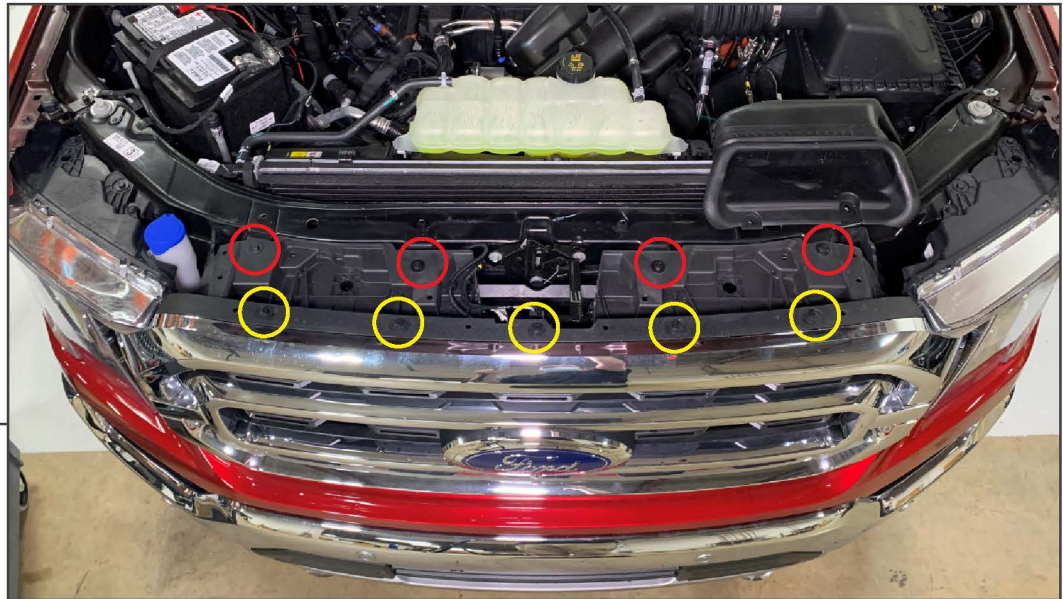
STEP 1

Remove (14) plastic push clips from the radiator cover. Remove radiator cover and set aside.



STEP 2

Unplug the electrical connectors under the hood release, if applicable.



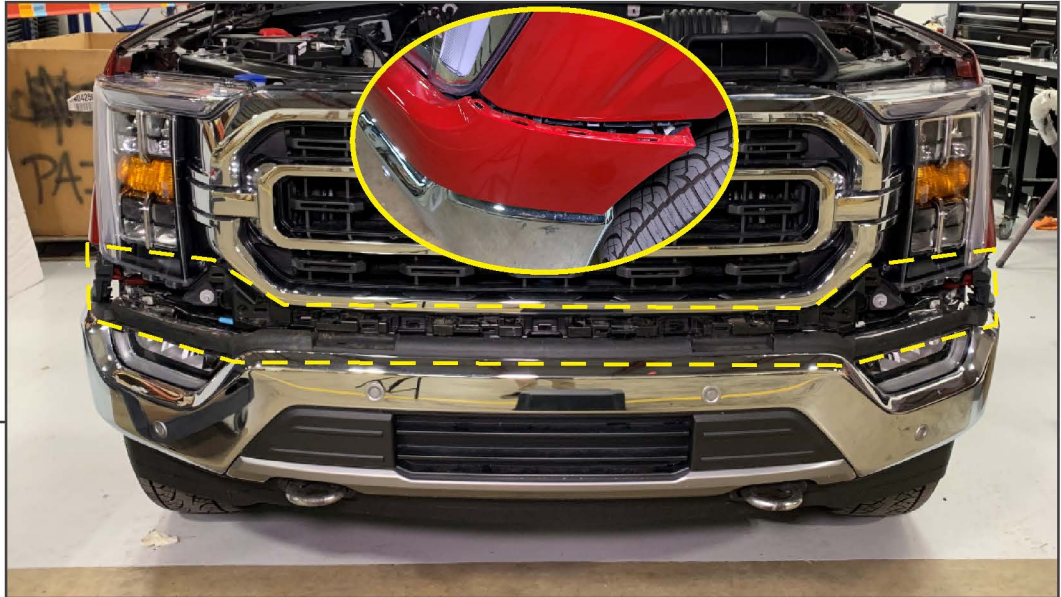
STEP 3

Remove (5) plastic push clips from the top of the grille. Remove (4) 10mm bolts from the radiator support to release the upper portion of the grille.



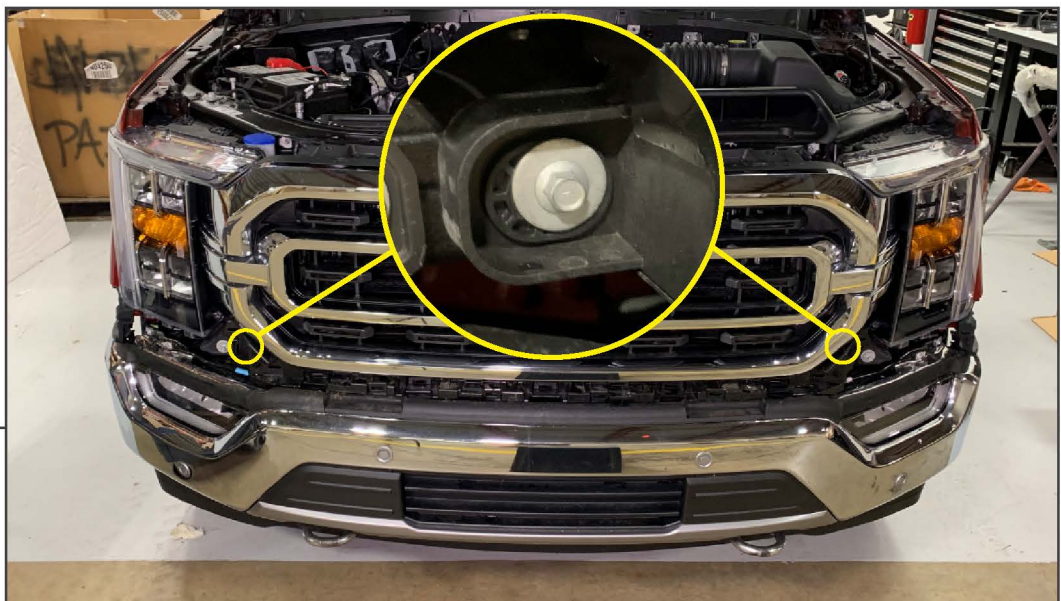
STEP 4

Remove (2) 7mm bolts from inside the fender well. Repeat this procedure to the opposite side.



STEP 5

Pull the bumper trim away from the fender by firmly pulling the trim away. Repeat to the opposite side. Firmly pull the bumper trim from the vehicle and set aside.



STEP 6

Remove (2) 8mm bolts from the bottom corners of the grille. Firmly pull the grille away from the vehicle. Place the grille on a soft surface for disassembly.



STEP 7

Remove (12) plastic clips from the lower portion of the grille. Remove the (4) plastic clips from each side splash shield. Remove the splash shields and set aside.



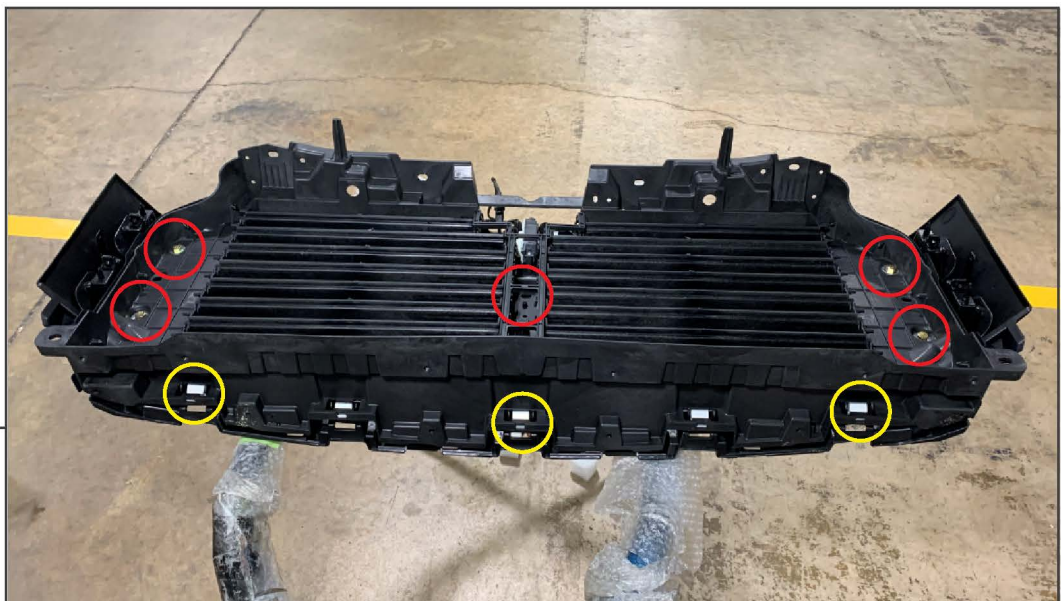
STEP 8

Remove (4) 10mm nuts from the shutter assembly attached to the grille. Remove (1) 8mm bolt from the center of the shutter assembly.



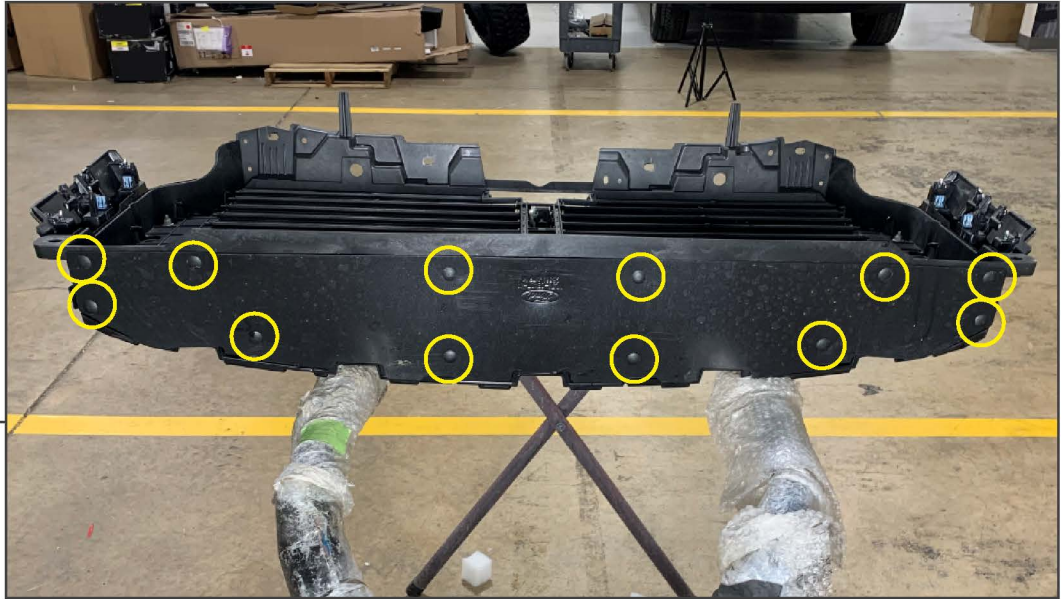
STEP 9

Press in the (3) metal tab clips on the grille assembly while lifting upward on the shutter assembly to dislodge the shutter assembly from the grille. Tilt the grille and unplug the front camera/washer assembly hose, if applicable. Remove shutter assembly from the grille. Remove and transfer the (4) shutter mounting studs and the metal tab clips to the new grille.



STEP 10

Place the new grille on a soft workable surface. Place the vehicle shutter assembly onto the new grille, and engage the lower metal tab clips. Secure the shutter assembly into place using the original (4) 10mm nuts and (1) 8mm screw, tighten hardware evenly until secure.



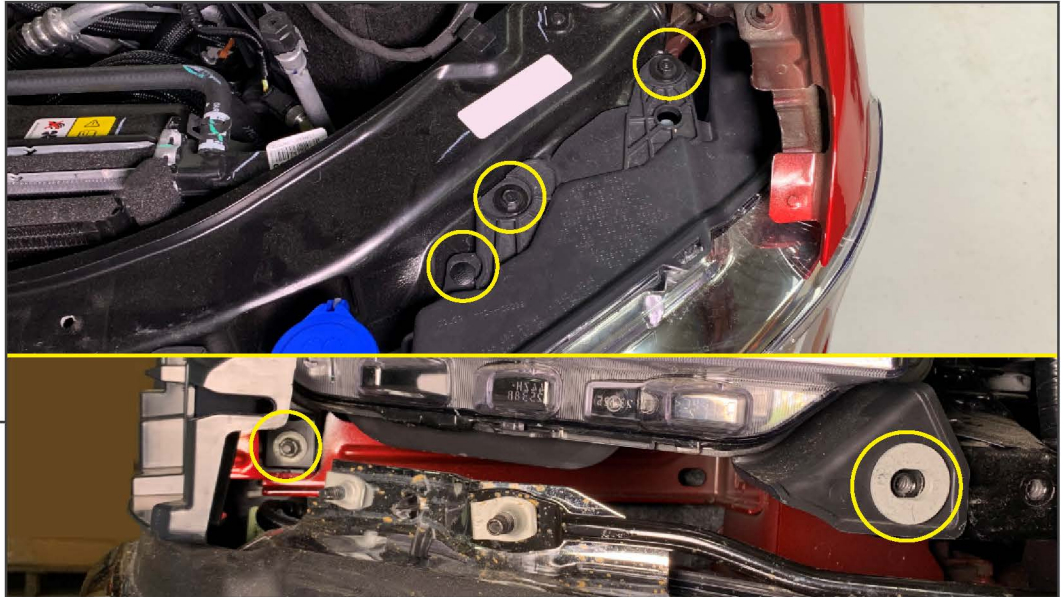
STEP 11

Install the lower splash shield using the (12) original plastic clips.



STEP 12

Route the LED wiring harness towards the each vehicle headlight assembly. Align the grille assembly to the vehicle and secure the grille to the vehicle re-using original hardware.



STEP 13

Remove each headlight from the vehicle by removing (2) 10mm upper bolts, (1) plastic clip, (1) lower 8mm bolt, and (1) 10mm nut under the headlight. Firmly pull the light from the vehicle to disengage the (1) mounting stud at the top of the headlight. Splice each LED harness into the vehicle following the diagram using the provided scotchlocks.

Amber LED Lights	-	LH Headlight Parking Lamps
Red (+)	-	Blue/Gray (+)
Black (-)	-	Black/Yellow (-)
White Off-Road Lights	-	LH Headlight High Beam Lamps
Red (+)	-	Yellow/Violet (+)
Black (-)	-	Black/Yellow



STEP 14

Secure the grille into the vehicle following steps 1-6 in reverse order reusing the OEM hardware.

Installation is now complete.