



EXTREME HD MODULAR GRILLE GUARD

(2021-2023 F-150)

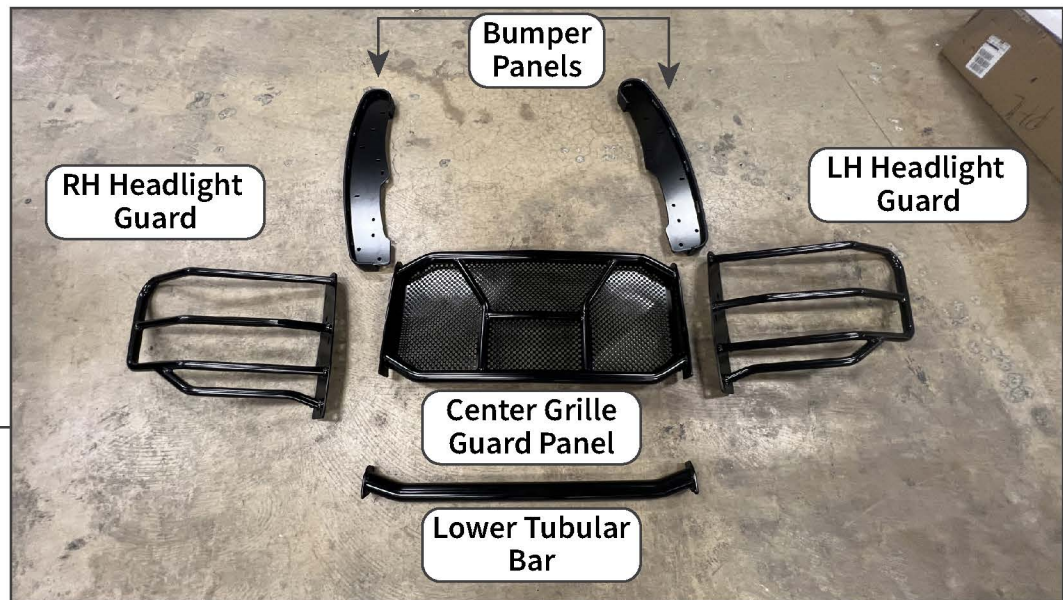
INSTALLATION INSTRUCTIONS

CONTENTS

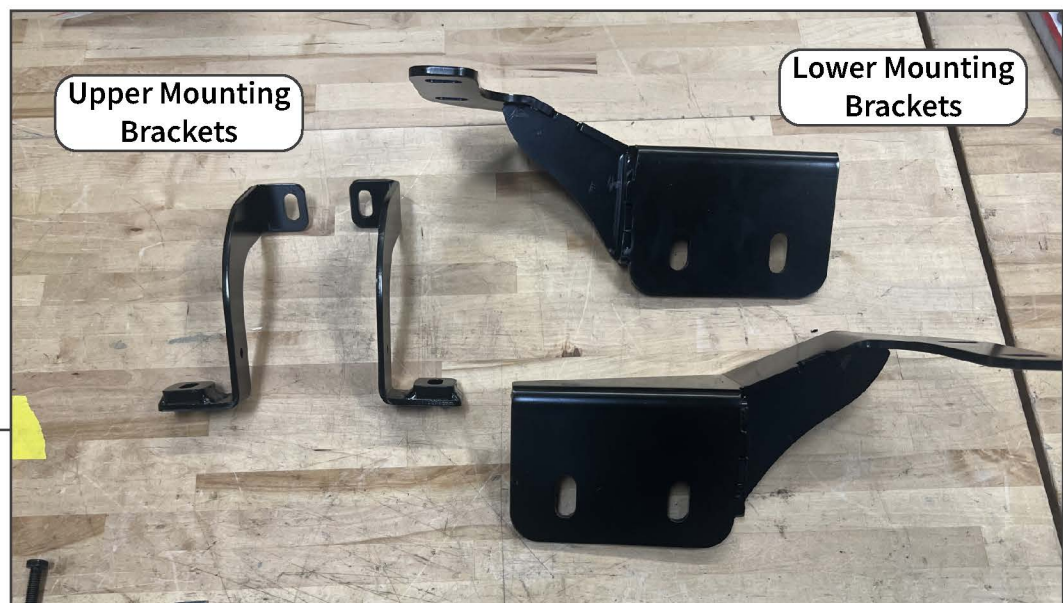
- (1) LH Headlight Guard Panel
- (1) RH Headlight Guard Panel
- (1) LH Bumper Panel
- (1) RH Bumper Panel
- (1) Center Grille Guard Panel
- (1) Lower Tubular Bar
- (1) LH Lower Mounting Bracket
- (1) RH Lower Mounting Bracket
- (1) LH Upper Mounting Bracket
- (1) RH Upper Mounting Bracket
- (4) M12x1.75 x 35mm Bolts
- (4) M12 Lock Washers
- (4) M12 Flat Washers
- (2) M12 Double Nut Plates
- (4) M10x1.50 x 30mm Bolts
- (8) M10 Flat Washers
- (4) M10 Lock Nuts
- (2) M8x1.25 x 50mm Bolts
- (2) M8 Lock Washers
- (28) M8 Flat Washers [24mm OD]
- (2) M8 Flat Washers [22mm OD]
- (4) M8 Flat Washers [16mm OD]
- (16) M8 Lock Nuts
- (1) 4mm Allen Key

TOOLS REQUIRED

- 13mm, 16mm, 18mm, 21mm
Sockets
- Ratchet
- Floor Jack
- Jack Stands
- Panel Removal Tool

STEP 1

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

STEP 2

Lay out and identify all grille guard mounting brackets and hardware on a workable surface.

STEP 3

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 (10) M8 x 35mm bolts, (20) M8 flat washers [24mm OD], and (10) M8 lock nuts.

STEP 4

Loosely secure the center support tube to the LH and RH bumper panels using (4) M8 x 35mm bolts, (4) M8 flat washers [16mm OD], (4) M8 flat washers [24mm OD], and (4) M8 lock nuts. Ensure the 16mm OD flat washers are on the inner side of the grille guard.

Tighten all grille guard hardware assembly hardware.

STEP 5

Above the front bumper, remove (2) 7mm bolts from inside the fender well securing the painted trim panel to the vehicle. Repeat this procedure to the opposite side.

With the screws removed, firmly pull the trim panel away from the vehicle to dislodge the retainers and remove the panel from the vehicle.

STEP 6

Along the RH side vehicle frame, unplug the front bumper harness by folding the gray connector and pulling the connectors apart.

**STEP 7**

From under the vehicle, loosen the (6) 21mm nuts securing the bumper assembly to the vehicle. With a helper, remove all bumper mounting nuts and lift the bumper away from the vehicle and onto a soft workable surface.

**STEP 8**

Locate the 13mm bolts along the top of the bumper. Remove the (1) 13mm bolt on each side of the bumper as indicated above.

**STEP 9**

Fit the included upper mounting bracket to the bumper, and secure into place using (1) M8 x 50mm bolt, (1) M8 lock washer, and (1) M8 flat washer [22mm OD]. Repeat this step for the opposite side of the bumper.

Note: Ensure the upper mounting bracket is fitted between the bumper and the bumper add-on bracket.

**STEP 10**

If vehicle is equipped with OEM tow hooks, remove the (2) 18mm bolts securing the tow hooks to the frame. Remove the tow hooks and nut plates.

Remove any bumper block-off plates/covers, if applicable. Insert the included (2) M12 double nut plates into the vehicle frame.

STEP 11

Re-install the bumper to the vehicle reusing the original (6) 21mm nuts. Re-install the upper painted trim panel using the original (4) 7mm screws. Plug the front bumper harness into the vehicle chassis harness.

Secure each lower mounting bracket to the vehicle frame utilizing the previously placed (2) M12 double nut plates using (2) M12 x 35mm bolts, (2) M12 lock washers, and (2) M12 flat washers.

STEP 12

With a helper, lift the grille guard assembly to the vehicle. Secure the bottom of the grille guard to the lower mounting brackets using (4) M10 x 30mm bolts, (8) M10 flat washers, and (4) M10 lock nuts. Secure the top of the grille guard to the upper mounting brackets using (2) M8 x 35mm bolts, (4) M8 flat washers [24mm OD], and (2) M8 lock nuts.



STEP 13

Adjust the grille guard to best fit the vehicle. Loosening & tightening the bumper/grille guard to achieve proper fitment may be necessary.

If vehicle is equipped with the forward facing camera, remove the (2) 4mm Allen bolts from the center grille guard panel to remove the center mesh plate.

Installation is now complete.