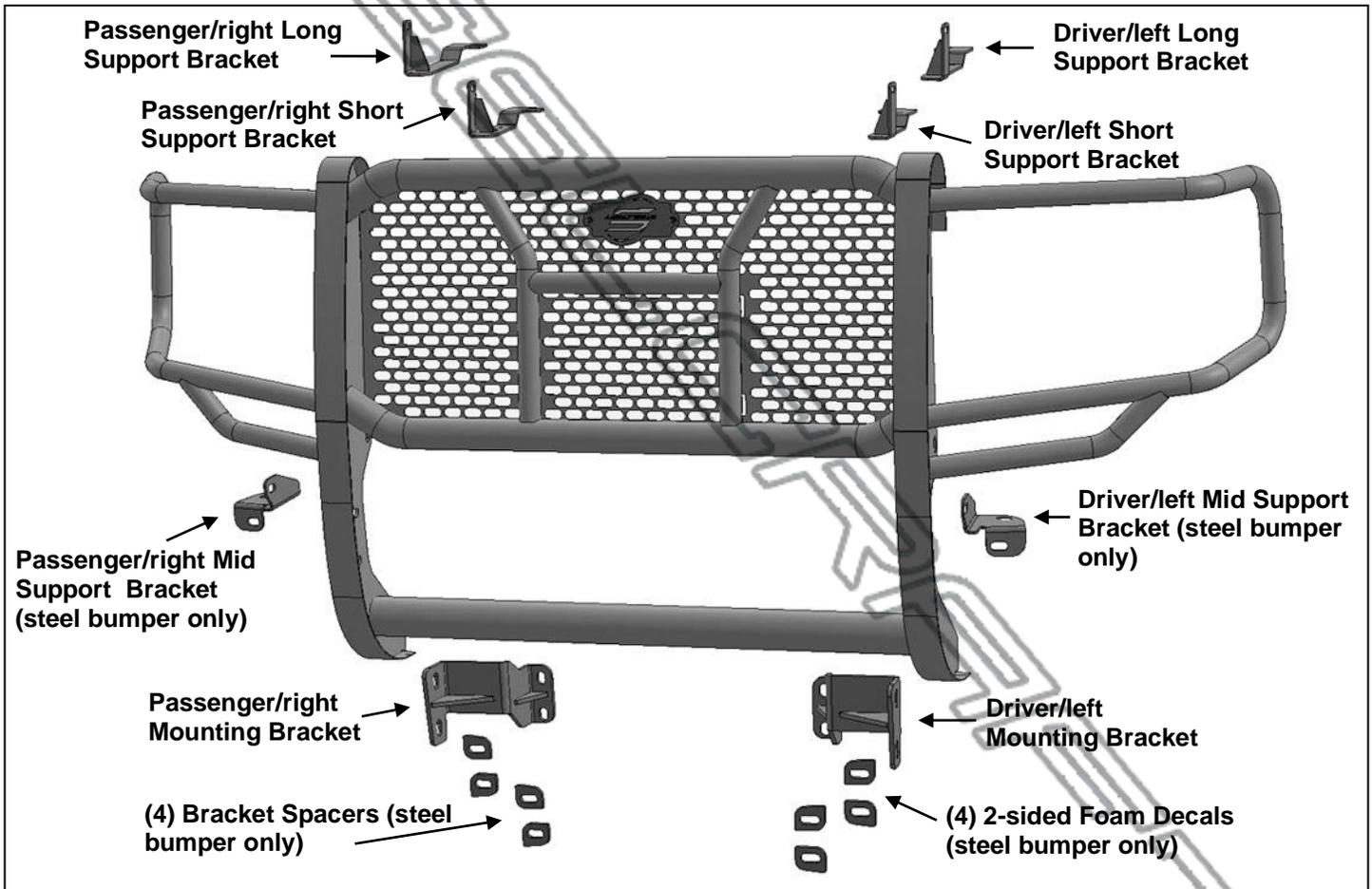


**STEELCRAFT EXTREME HEAVY DUTY GRILLE GUARD
2021-24 FORD BRONCO**

PARTS LIST:

1	Heavy Duty Grill Guard	4	12-1.75mm Nylon Lock Nuts
1	Driver/Left Side Mounting Bracket	4	8-1.25mm x 30mm Button Head Bolts
1	Passenger/Right Side Mounting Bracket	4	8-1.25mm x 25mm Hex Bolts
4	Bracket Spacers (use with steel bumper only)	12	8mm x 24mm x 2mm Flat Washers
4	Double Sided Adhesive Foam (for spacers)	4	8mm Lock Washers
1	Driver/left Top Support Bracket (plastic bumper)	4	8mm Nylon Lock Nuts
1	Passenger/Right Top Support Bracket (plastic bumper)	2	6-1.00mm x 20mm Hex Bolts
1	Driver/left Top Support Bracket (steel bumper)	2	6mm x 18mm x 1.5mm Flat Washers
1	Passenger/Right Top Support Bracket (steel bumper)	2	6mm Lock Washers
1	Driver/left Mid Support Bracket (steel bumper)	2	6mm Flange Nuts
1	Passenger/Right Mid Support Bracket (steel bumper)	1	5mm Wrench
4	12-1.75mm x 35mm Hex Bolts	1	4mm Wrench
8	12mm x 32mm x 3mm Flat Washers		



PROCEDURE:

REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY. ASSISTANCE IS RECOMMENDED. INSTALLATION WILL INTERFERE WITH FRONT BUMPER MOUNTED SENSORS. SENSOR RELOCATION KIT REQUIRED FOR PARKING SENSOR OPERATION-NOT INCLUDED. CUTTING IS REQUIRED.

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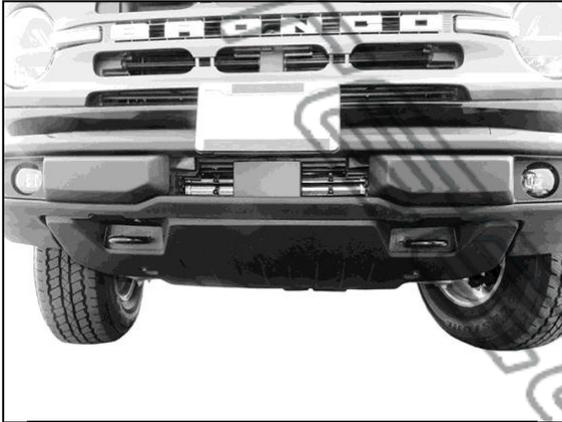
1. Determine if the vehicle is equipped with a plastic bumper cover or steel "option" bumper.
Models with plastic bumper cover:
 - a. Remove the plastic covers from the front of the bumper, **(Figures 1 & 2)**. **NOTE:** Unplug sensors, if equipped, to remove covers.
 - b. From the front, remove the (2) inner factory hex bolts attaching the driver/left side of the bumper assembly to the end of the frame, **(Figure 2)**. **NOTE:** Only remove the inner bolts, do not remove the outer bolts.
 - c. Select the driver/left Frame Mounting Bracket, **(Figure 3)**. Reuse the (2) OE hex bolts to attach the Frame Bracket to the bumper, **(Figure 4)**.
 - d. Select the driver/left plastic cover. Measure 4-1/4" in from the inner end of the cover, **(Figure 5)**. Use masking tape or a marker to draw a vertical line on the inside of the cover. Cut the cover along line. Check fit of cover to bumper and bracket and trim cover, if necessary, **(Figure 6)**. **Do not reinstall cover at this time.**
 - e. Repeat the previous **Steps** to attach the passenger/right Frame Bracket and to cut the cover.**Models with optional steel bumper:**
 - a. Remove the hoop from the top of the bumper if equipped, **(Figure 7)**.
 - b. Remove the covers surrounding the tow hooks, **(Figure 8)**.
 - c. From the front, remove the (2) inner factory hex bolts attaching the driver/left tow hook to the bumper, **(Figure 9)**. **NOTE:** Only remove the inner bolts, do not loosen or remove the outer bolts.
 - d. Select (2) Steel Spacers and (2) double sided Foam Decals. Use the double sided Foam Decals to "stick" the Spacers to the inner pockets in the tow hook, **(Figure 10)**.
 - e. Select the driver/left Frame Mounting Bracket. Reuse the (2) OE hex bolts to attach the driver//left Frame Bracket to the Spacers and the bumper, **(Figures 10 & 11)**.
 - f. Select the driver/left plastic cover. Hold cover in position over Bracket. Check fit of cover to bracket and trim cover as necessary, **(Figures 12 & 13)**. **Do not reinstall cover at this time.**
 - g. Repeat the previous **Steps** to attach the passenger/right Frame Bracket and to cut the cover.
 - h. Remove the (2) outer bolts from the driver/left side of the bumper, **(Figure 14)**.
 - i. Select the driver/left Mid Support Bracket, **(Figure 15)**. Attach the Mid Bracket to the bumper with the included (2) 8mm x 30mm Button Head Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers. Do not fully tighten hardware. Repeat **Step** to attach the passenger/right Mid Support Bracket.
2. Open the front hood. Remove the plastic cover from the top of the grille and radiator, **(Figure 16)**.
3. Locate the large and small hole in the driver/left side of the radiator core support, **(Figure 17)**. Select the correct driver/left Top Support Bracket, **(Figure 18)**.
 - a. Models with plastic bumpers: Use the shorter Top Support Brackets with **holes for identification**.
 - b. Models with steel option bumper: Use the longer Top Support Brackets (no ID holes).
4. Insert the Bracket through the opening in the grille, **(Figure 19)**. On models without opening, it will be necessary to cut an opening in the grille for the Support Bracket. Line up the end of the Bracket with the smaller mounting hole. Attach the Bracket to the hole in the core support with (1) 6mm x 20mm Hex Bolt, (1) 6mm Lock Washer, (1) 6mm Flat Washer and (1) 6mm Flange Nut, **(Figures 18 & 19)**. Leave hardware loose.
5. Repeat **Steps 3 & 4** to attach the passenger/right Top Support Bracket.
6. Carefully unwrap the Grille Guard.
7. With assistance, hold the Grille Guard assembly up to the outside of the Frame Brackets. Attach the driver/left end of the Grille Guard to the Frame Bracket with the included (2) 12mm x 35mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts, **(Figures 20 & 21)**. Repeat this **Step** to attach the passenger/right side of the Grille Guard. Do not fully tighten hardware at this time.
 - a. **Models with steel bumper only:** Attach the Mid Mount Bracket to the outside of the Grille Guard with (1) 8mm x 25mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, **(Figure 22)**. Do not fully tighten hardware. Repeat this **Step** to attach the passenger/right Mid Support Bracket.
8. Attach the Top Support Brackets to tabs on the back of the Grille Guard with the included (2) 8mm x 25mm Hex Bolts, (4) 8mm Flat Washers and (2) 8mm Nylon Lock Nuts, **(Figure 23)**.
9. Center the Grille Guard to the vehicle and fully tighten all Mounting Bracket and Support Bracket to vehicle hardware only at this time. Temporarily remove the Grille Guard.

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10. Reinstall the plastic bumper covers removed and cut in **Step 1**. Reattach the plastic cover to the top of the grille and radiator removed in **Step 2**.
11. Reinstall the Grille Guard as described in **Steps 7 & 8**. Adjust the Grille Guard and fully tighten all hardware.
12. On models with grille mounted cameras, remove the center panel from the Grille Guard, **(Figure 24)**.
13. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Grille Guard.

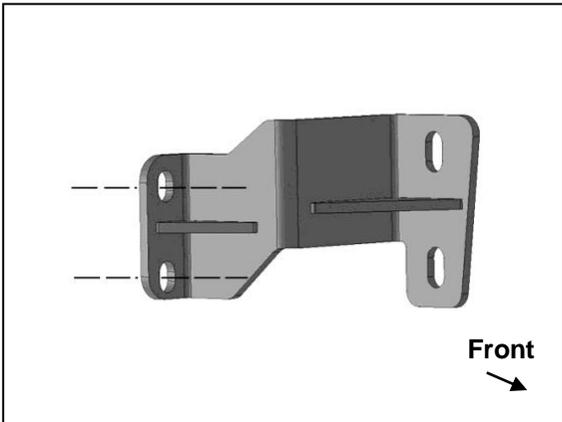
Driver/left Side Installation Pictured



(Fig 1) Example of OE plastic bumper



(Fig 2) Models with plastic bumper cover (see Fig 1), remove bumper pads from bumper (driver/left side pictured). Note, unplug parking sensors if equipped

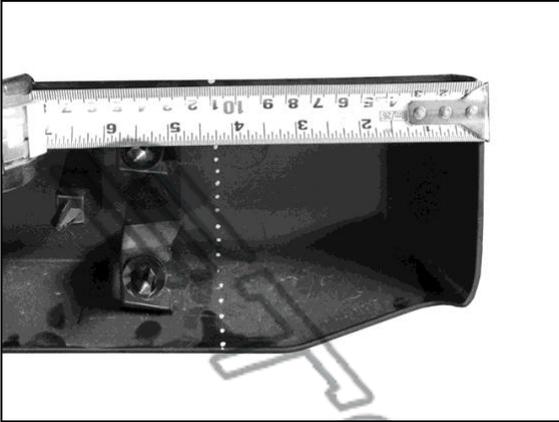


(Fig 3) Models with plastic bumper cover (see Fig 1), reuse the (2) OEM hex bolts to attach the driver/left Mounting Bracket to the front of the bumper (arrow)



(Fig 4) Models with plastic bumper cover (see Fig 1), reuse the (2) OEM hex bolts to attach the driver/left Mounting Bracket to the front of the bumper (arrow)

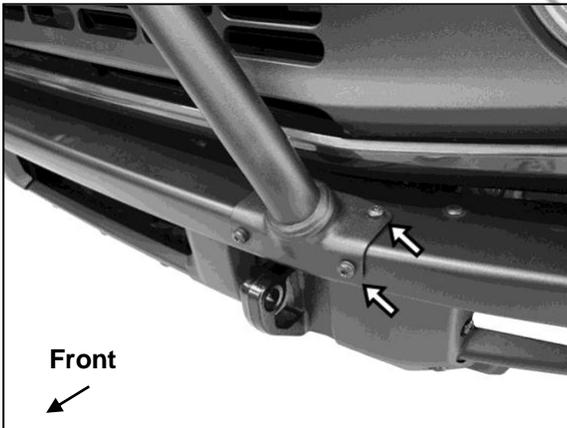
Driver/left Side Installation Pictured



(Fig 5) Models with plastic bumper cover (see Fig 1), measure 4-1/4" from inner end. Draw straight vertical line. Cut the inner end off of the plastic bumper cover



(Fig 6) Models with plastic bumper cover (see Fig 1), check for clearance between plastic cover and Mounting Bracket.



(Fig 7) Models with steel bumper and hoop, remove hoop from top of bumper. Note, do not reinstall the outer mounting bolts (arrows)

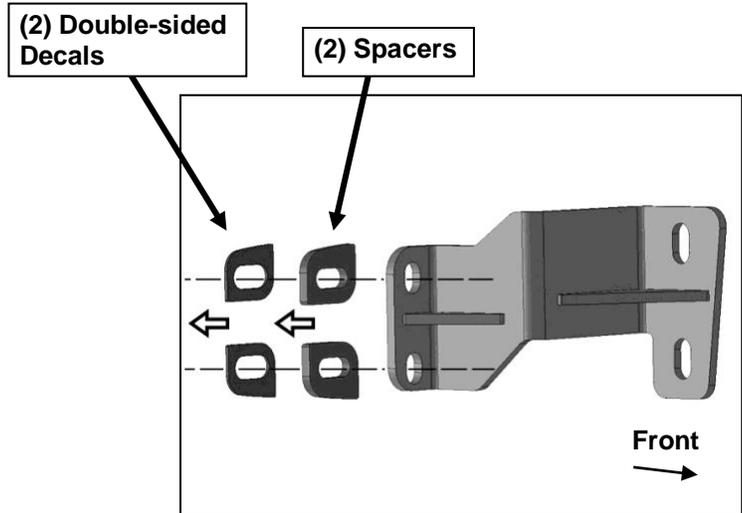


(Fig 8) Models with steel bumper, remove cover surrounding D-Ring mount (arrow)

Driver/left Side Installation Pictured



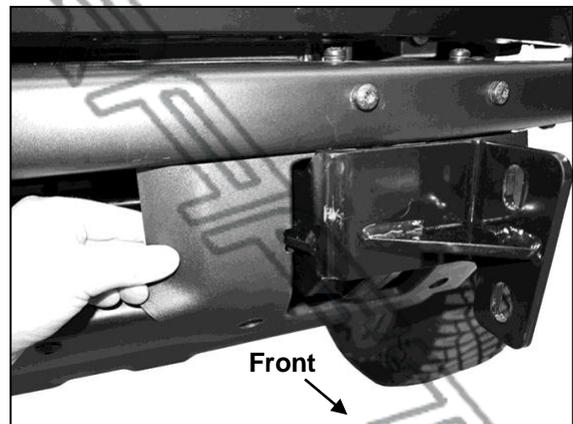
(Fig 9) Model with steel bumper, remove inner hex bolts from tow loops and top outer mounting bolts (circled)



(Fig 10) Model with steel bumper, apply the 2-sided Foam Decals to the (2) Spacers. Stick the Spacers to the front of the pocket in the D-ring mount. Foam Decals are included to simplify Spacer and Bracket installation, Decal use is not mandatory

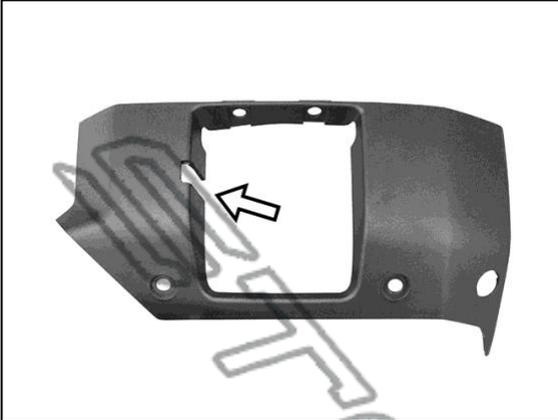


(Fig 11) Model with steel bumper, driver/left side Mounting Bracket installed

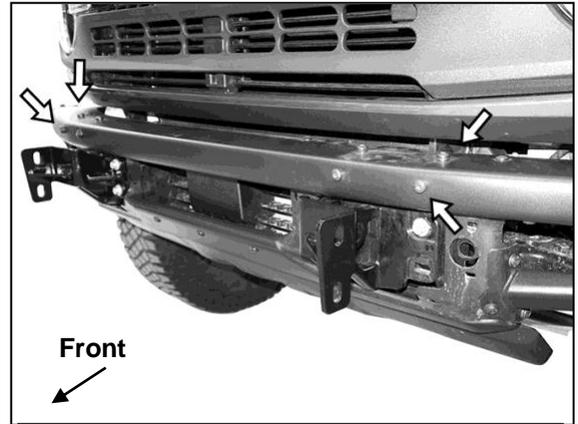


(Fig 12) Model with steel bumper, hold plastic cover up to check clearance. Mark cover to trim for clearance

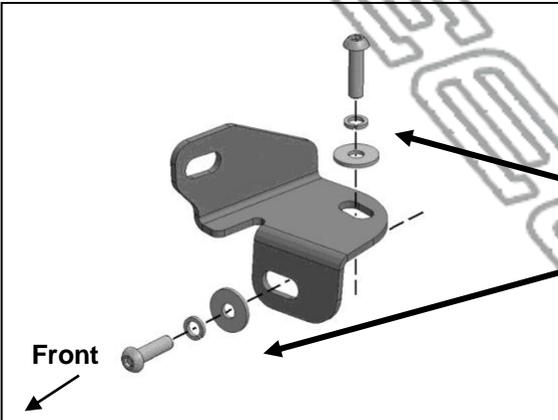
Driver/left Side Installation Pictured



(Fig 13) Model with steel bumper, trim cover for clearance around D-ring mount

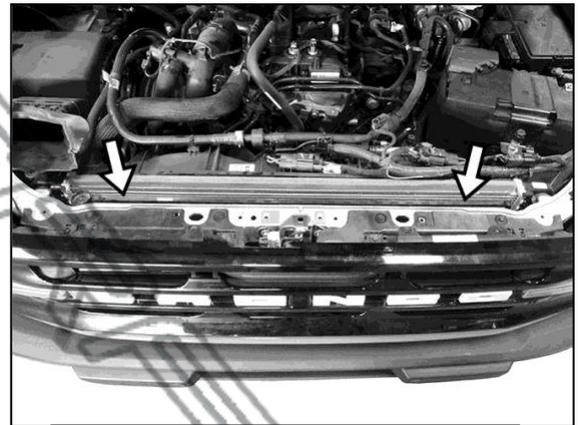


(Fig 14) Model with steel bumper, remove outer mounting bolts from top and front of bumper (see figure 9)

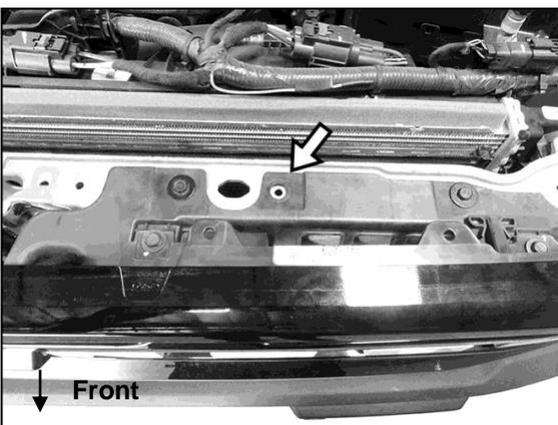


- (2) 8mm x 30mm Button Head Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers

(Fig 15) Model with steel bumper, attach Mid Support Brackets to top and front of bumper (driver/left side illustrated)



(Fig 16) Remove plastic cover from top of grille and radiator (arrows)

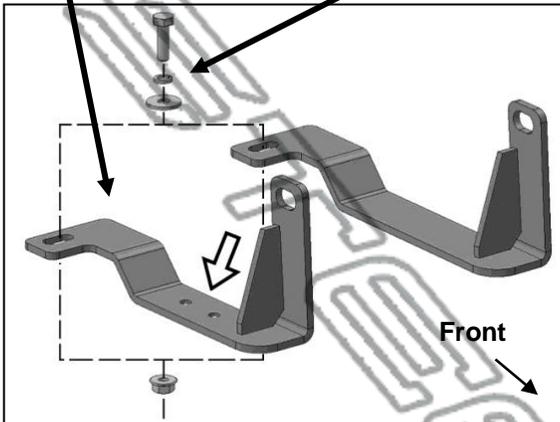


(Fig 17) Driver/left side mounting location for Top Support Bracket pictured (arrow)

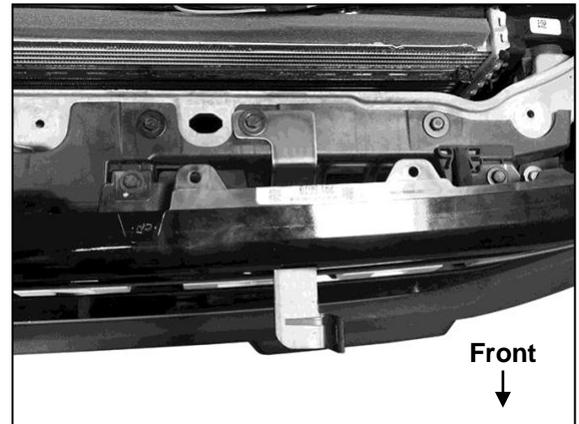
Driver/left Side Installation Pictured

Models with Plastic Bumper (shorter Brackets with ID holes)

6mm x 20mm Hex Bolt
6mm Lock Washer
6mm Flat Washer
6mm Flange Nut

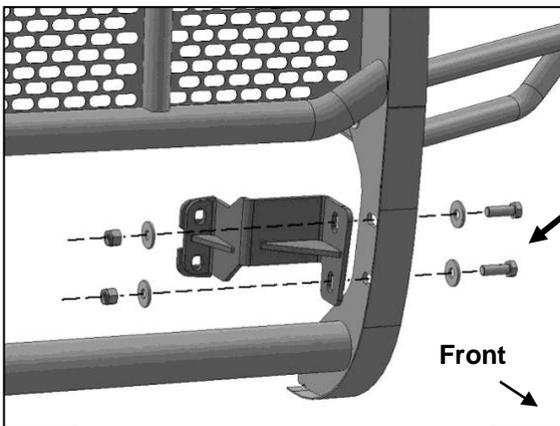


Models with Steel Bumper (longer)



(Fig 18) Separate and identify the left and right Top Support Brackets. Slide Top Support Bracket through opening in grille. Attach Bracket to hole in top of radiator core support (driver/left side Brackets illustrated)

(Fig 19) Driver/left side Top Support Bracket installed



(2) 12mm x 35mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts

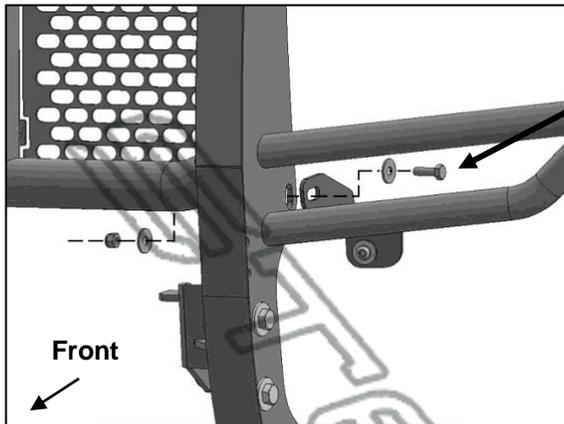
(Fig 20) Attach Grille Guard to outside of Mounting Brackets



(Fig 21) Grille Guard assembly attached to outside of driver/left Mounting Bracket

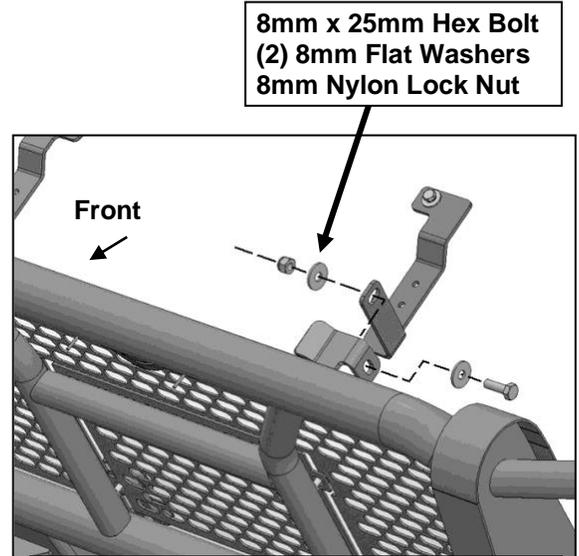
**STEELCRAFT EXTREME HEAVY DUTY GRILLE GUARD
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Driver/left Side Installation Pictured



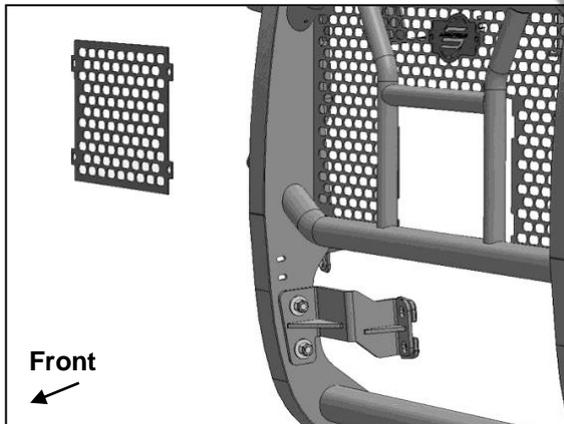
8mm x 25mm Hex Bolt
(2) 8mm Flat Washers
8mm Nylon Lock Nut

(Fig 22) Attach Grille Guard to Mid Support Brackets



8mm x 25mm Hex Bolt
(2) 8mm Flat Washers
8mm Nylon Lock Nut

(Fig 23) Attach Top Support Brackets to tabs on back of Grille Guard top tube



(Fig 24) Models with front camera, remove Screen Panel from Grille Guard



Complete Installation