



**TEL: 1-866-XANATOS**

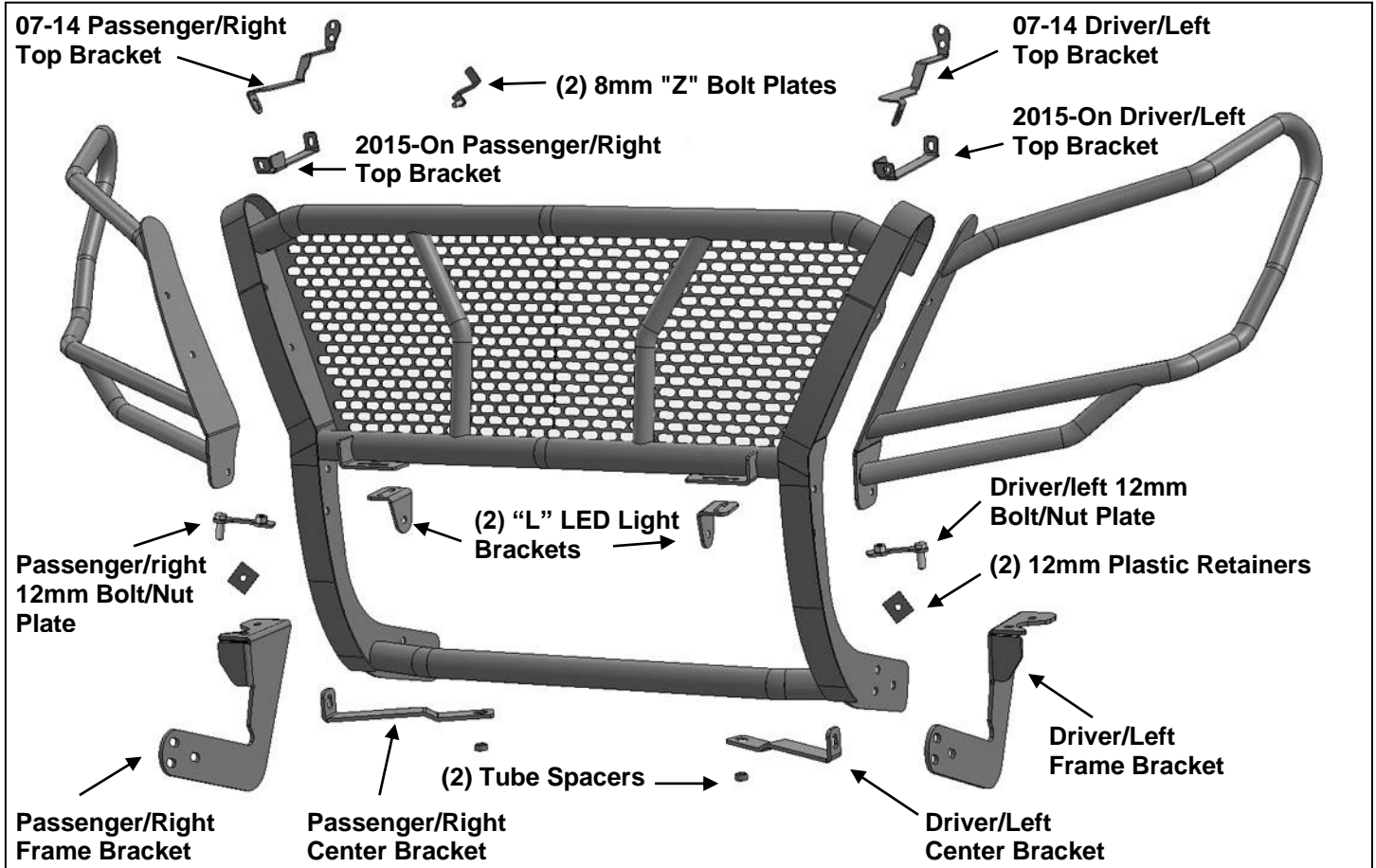
# **INSTALLATION INSTRUCTIONS**

**MODULAR RUGGED GRILLE GUARD FOR  
PART# RU-DOSP07-B**

**HD MODULAR GRILLE GUARD**  
**07-18 SPRINTER VAN (EXCLUDES 2015-ON 4X4)**  
**INCLUDES MERCEDES, FREIGHTLINER AND DODGE**

**PARTS LIST:**

1	Center Grille Guard	8	12-1.75mm x 35mm Hex Bolts
1	Driver/Left Headlight Guard	16	12mm x 32mm OD x 3mm Flat Washers
1	Passenger/Right Headlight Guard	10	12mm Lock Washers
2	LED "L" Light Brackets	8	12mm Hex Nuts
1	Driver/Left Frame Mounting Bracket	2	10-1.50mm x 30mm Button Head Bolts
1	Passenger/Right Frame Mounting Bracket	4	10mm x 20mm OD x 2mm Flat Washers
1	Driver/Left Side Top Bracket (07-14 models only)	2	10mm Nylon Lock Nuts
1	Passenger/Right Side Top Bracket (07-14 models only)	2	8-1.25mm x 40mm Hex Bolts
1	Driver/Left Side Top Bracket (2015-on models only)	14	8-1.25mm x 25mm Button Head Bolts
1	Passenger/Right Side Top Bracket (2015-on models only)	6	8mm Lock Washers
1	Driver/Left Side Center Bracket	24	8mm x 24mm OD x 2mm Flat Washers
1	Passenger/Right Side Center Bracket	8	8mm x 16mm OD x 1.6mm Flat Washers
2	3/4" OD x 3/8" Tall Tube Spacers (Center Bracket)	4	8mm Hex Nuts
2	8-1.25mm x 25mm "Z" Bolt Plates	8	8mm Nylon Lock Nuts
1	12-1.75mm x 35mm Driver/left Bolt/12mm Nut Plate	1	6mm Wrench
1	12-1.75mm x 35mm Passenger/right Bolt/12mm Nut Plate	1	5mm Wrench
2	12mm Plastic Retainers		



**PROCEDURE: REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. DRILLING IS REQUIRED. ASSISTANCE IS RECOMMENDED.**

1. Starting on the driver/left side of the vehicle, locate the factory hole in the bottom of the frame channel, **(Figure 1)**. Insert the driver/left (1) 12mm Bolt and Nut Plate into the frame rail, **(Figures 1 & 2)**. **NOTE:**

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Insert Bolt Plate with welded nut toward the front of the vehicle. The offset Bolt and Nut Plate is designed to clear hardware that may be attached to the inside of the frame, **(Figure 1)**. Match offset in Bolt Plate with top of Mounting Bracket.

2. Attach the driver/left Frame Mounting Bracket to the Bolt on Bolt and Nut Plate with (1) 12mm Flat Washer, (1) 12mm Lock Washer and (1) 12mm Hex Nut, **(Figures 3 & 4)**. Leave hardware loose.
3. Repeat **Steps 1 & 2** to install the passenger/right side Frame Mounting Bracket.
4. Next, remove the (2) Torx bolts in the bottom of the opening in the front bumper step area, **(Figure 5)**. Place a Tube Spacer into the driver/left side recess in the bumper cover, **(Figure 6A & 6B)**. Position the driver/left Center Bracket over the Tube Spacer. Use the included 8mm x 40mm Hex Bolt, 8mm Lock Washer and 8mm x 24mm Large Flat Washer to attach the Bracket to the bumper, **(Figures 7 & 9)**. Leave hardware loose. Repeat this **Step** for passenger side Center Bracket installation.
5. With assistance, position the Center Grille Guard up to the outside of the Frame Mounting Brackets. Attach the Grille Guard to the Brackets with the included (6) 12mm x 35mm Hex Bolts, (12) 12mm Flat Washers, (6) 12mm Lock Washers and (6) 12mm Hex Nuts, **(Figure 8)**. Leave hardware loose.
6. Attach the driver/left Center Bracket to the inside of the Grille Guard with the included (1) 10mm x 30mm Button Head Bolt, (2) 10mm Flat Washers and (1) 10mm Nylon Lock Nut, **(Figures 9 & 10)**. Do not tighten hardware at this time. Repeat this Step to attach the passenger/right Center Bracket.
7. **Determine correct procedure for Top Support Bracket installation for your model year.**

**2007-14 models:**

- a. Open the hood and locate the factory hole in the driver side of the radiator cross member. Remove the factory screw below the hole securing the top of the grille to the cross member, **(Figure 11)**.
- b. Insert (1) 8mm "Z" Bolt Plate into the back of the cross member and out through the hole, **(Figures 12 & 13)**. **NOTE:** The back of the cross member may be obstructed. Carefully move the coolant tank or air intake if necessary to access the back of the cross member.
- c. Use 2-3 8mm x 16mm Flat Washers on the "Z" Bolt Plate as a spacer between the cross member and the Top Bracket, **(Figures 14 & 15)**. **NOTE:** It may be necessary to push down slightly on the top of the grille to provide clearance for the Spacer Washers.
- d. Attach the Top Bracket to the 8mm "Z" Bolt Plate with (1) 8mm x 16mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut, **(Figure 14—16)**. Reinstall the factory screw through the hole in the Top Bracket, **(Figure 16)**. Leave hardware loose at this time.
- e. Line up the outer end of the Top Bracket with the mounting hole in the Grille Guard upright. Attach the Bracket to the upright with (1) 8mm x 25mm Button Head Bolt, (2) 8mm x 24mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, **(Figure 17)**.
- f. Repeat the above Steps for passenger side Top Bracket installation.

**2015-on models:**

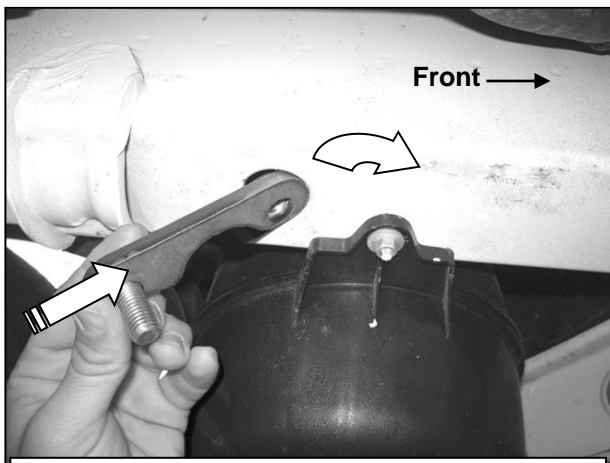
- a. Open the hood and locate the driver side of the radiator cross member. Remove the plastic retaining clip attaching the top of the grille to the cross member, **(Figure 18)**.
  - b. Insert (1) 8mm "Z" Bolt Plate through the back of the cross member and out through the hole, **(Figure 18)**. **NOTE:** The back of the cross member may be obstructed. Carefully move the coolant tank or air intake if necessary to access the back of the cross member.
  - c. Select the driver/left (1) 2015-on Top Bracket, **(Figure 19)**. Attach the Top Bracket to the 8mm "Z" Bolt Plate with (1) 8mm x 16mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut, **(Figure 19)**. Leave hardware loose at this time.
  - d. Line up the outer end of the Top Bracket with the threaded insert in the back of the top tube on the Grille Guard. Attach the Bracket to the tube with (1) 8mm x 25mm Button Head Bolt, (1) 8mm Lock Washer and (1) 8mm x 24mm Flat Washer, **(Figure 20)**. Leave hardware loose at this time.
  - e. Repeat the above Steps for passenger side Top Bracket installation.
8. Select the driver/left Headlight Guard, **(Figure 21)**. Attach the Guard to the outside of the Center Grille Guard with the included (3) 8mm x 25mm Button Head Bolts, (6) 8mm x 24mm Flat Washers and (3) 8mm Nylon Lock Nuts. Fully tighten hardware. Repeat this Step to attach the passenger/right Headlight Guard.

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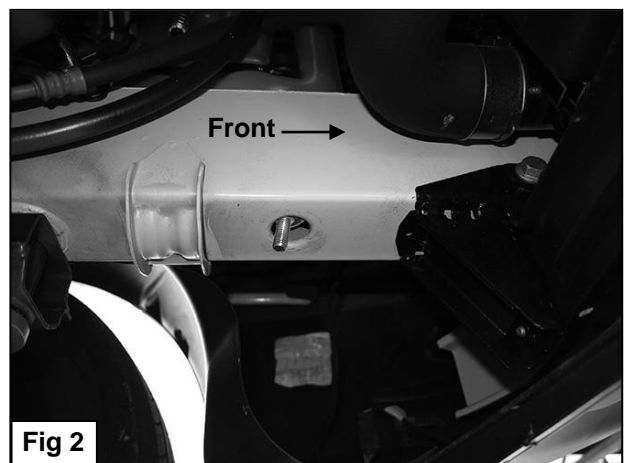
9. Align the Center Grille Guard properly and fully tighten all hardware.
10. Once you have the Grille Guard assembly completely installed and properly aligned, use the second hole, (unused till now), in both Frame Mounting Brackets as a template to mark the drilling location on the bottom of the frame channel, **(Figure 22)**. **Do not** mark the frame until after the Grille Guard has been completely aligned and adjusted. No adjustments can be made after the frame has been drilled.
11. Remove the Grille Guard assembly, Frame Brackets and 12mm Bolt and Nut Plates from the vehicle.  
**NOTE:** It is not necessary to remove the Center or Top Brackets from the vehicle.
12. Use a 1/2" drill bit to drill out the marked locations, **(Figure 23)**. **IMPORTANT:** Any cutting or drilling tool may break or shatter. Government regulations require safety glasses & equipment at all times when cutting or drilling.
13. Reinsert the Bolt and Nut Plates, **(Steps 1 & 2)**. Rotate the 12mm Bolt and Nut Plate to line up the threaded nut with the previously drilled 1/2" hole. Use the included (2) 12mm x 35mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers to secure the Frame Brackets to the 12mm x 35mm Bolt and Nut Plate, **(Figures 24 & 25)**. Re-install the Grille Guard as previously described in **Steps 1—7**. **NOTE:** Align Grille Guard properly and fully tighten all hardware.
14. **Center LED light installation** (light sold separately).
  - a. Select (1) "L" Light Bracket, **(Figure 26)**. Attach the Bracket to the mounting tab on the Grille Guard with the included 8mm x 25mm Button Head Bolt, (2) 8mm x 24mm Flat Washers and 8mm Nylon Lock Nut. Repeat this Step to install the remaining Bracket. Leave loose at this time.
  - b. Use the hardware included with the light or the supplied (2) 8mm x 25mm Button Head Bolts and (2) 8mm x 24mm Flat Washers to attach the LED light assembly to the "L" Brackets, **(Figure 26)**. Do not fully tighten hardware at this time.
  - c. Follow light manufacturer's instructions to properly wire the light to the electrical system.
  - d. Adjust light and fully tighten hardware.
15. 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**



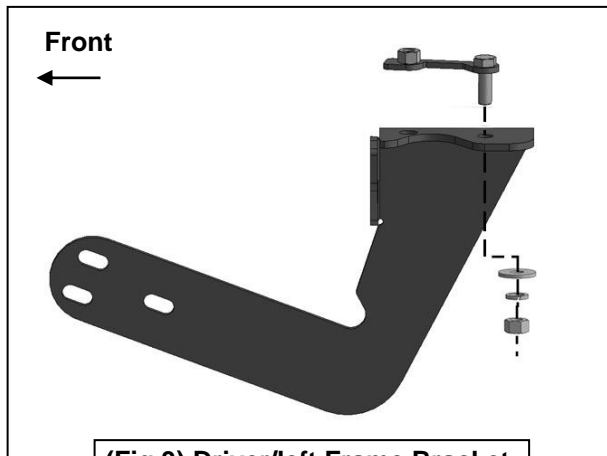
**(Fig 1) Insert Bolt/Nut Plate into hole in frame**



**Fig 2**

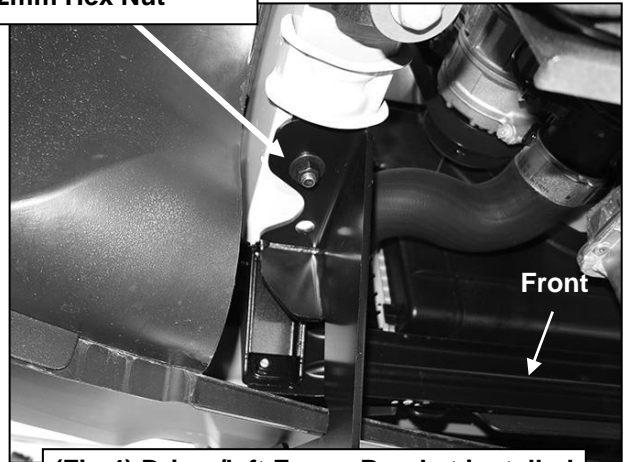
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**Driver/left Side Installation Pictured**

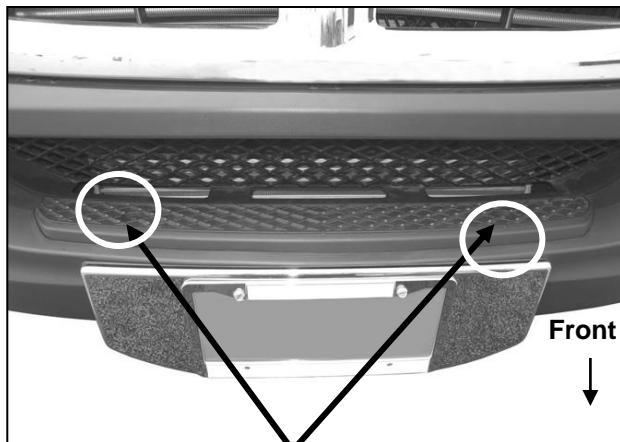


**(Fig 3) Driver/left Frame Bracket**

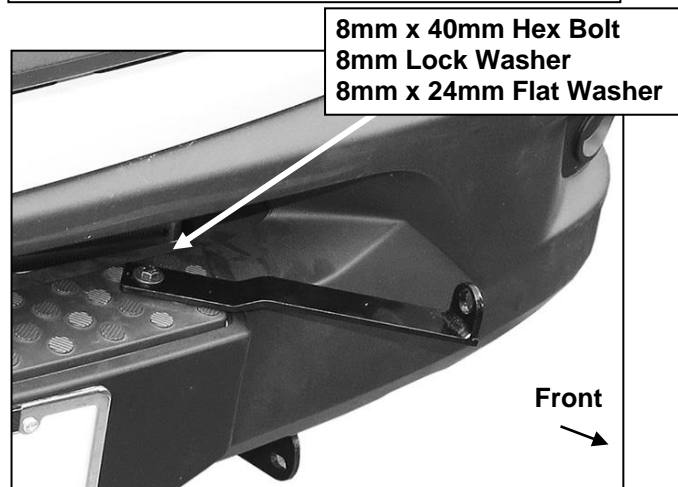
12mm Flat Washer  
12mm Lock Washer  
12mm Hex Nut



**(Fig 4) Driver/left Frame Bracket installed**



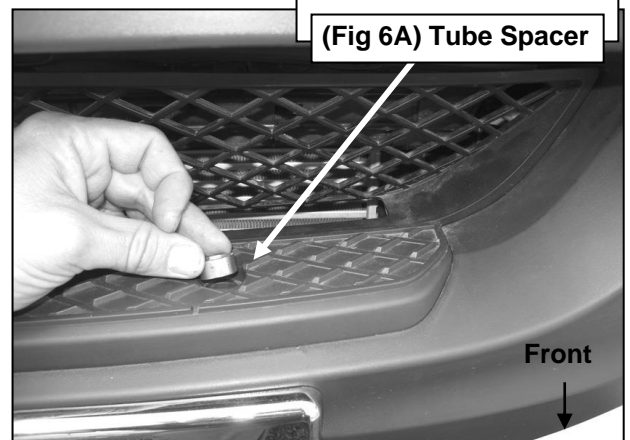
**(Fig 5) Remove (2) factory screws (Torx head)**



**(Fig 7) Attach driver/left Center Bracket to bumper**

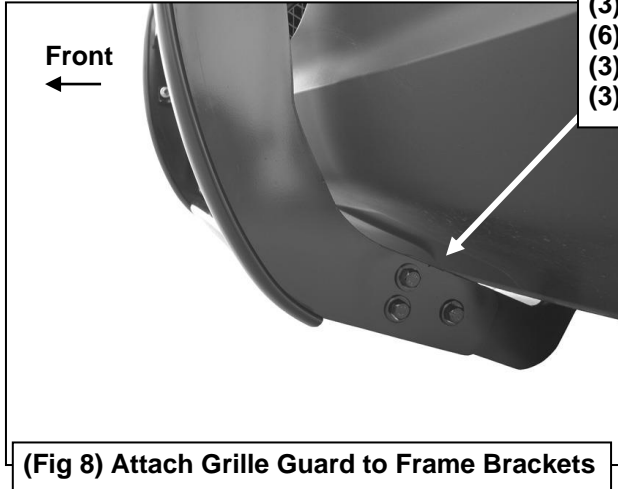


**(Fig 6A) Tube Spacer**

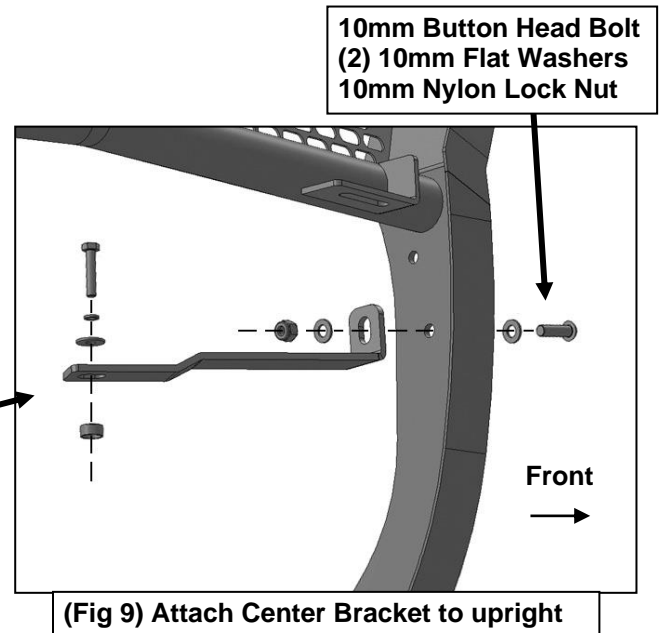


**(Fig 6B) Insert Spacer into recess in bumper**

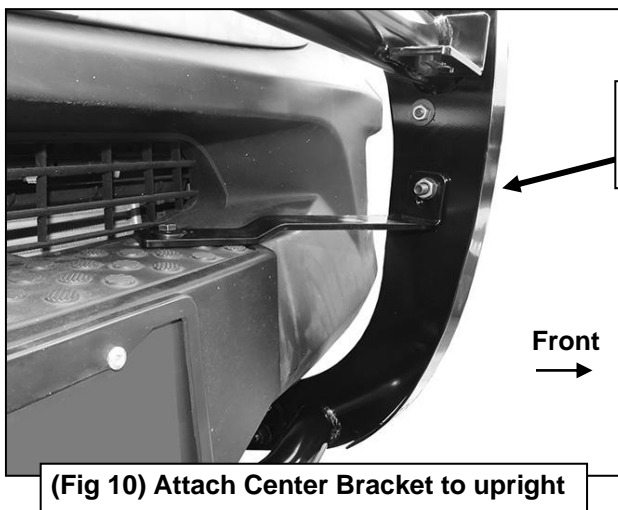
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Driver/left Side Installation Pictured**



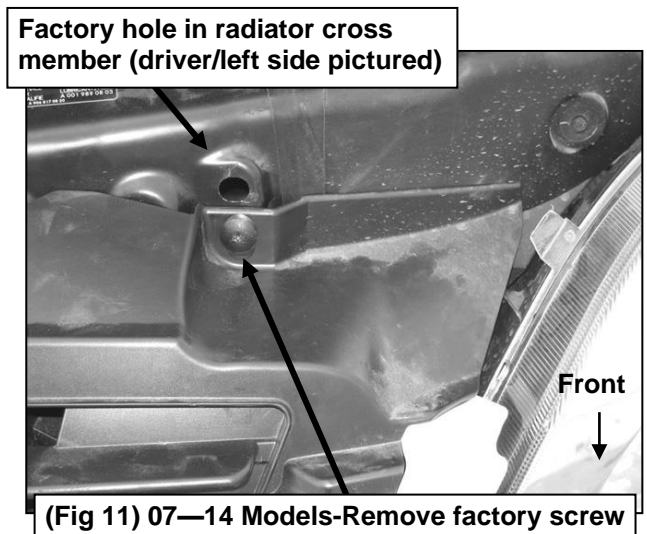
(3) 12mm x 35mm Hex Bolt  
(6) 12mm Flat Washers  
(3) 12mm Lock Washer  
(3) 12mm Hex Nut



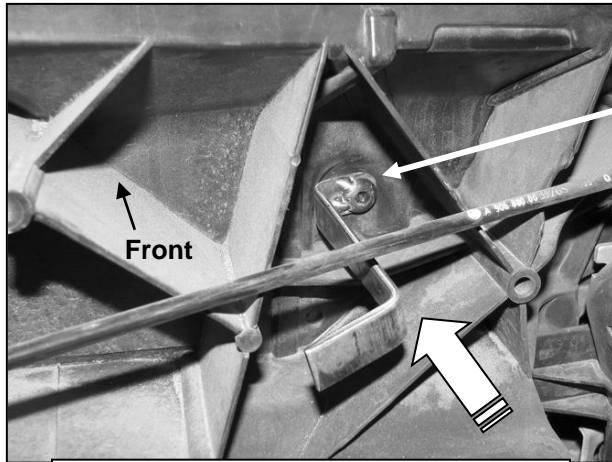
8mm x 40mm Hex Bolt  
8mm Lock Washer  
8mm x 24mm Flat Washer  
Tube Spacer



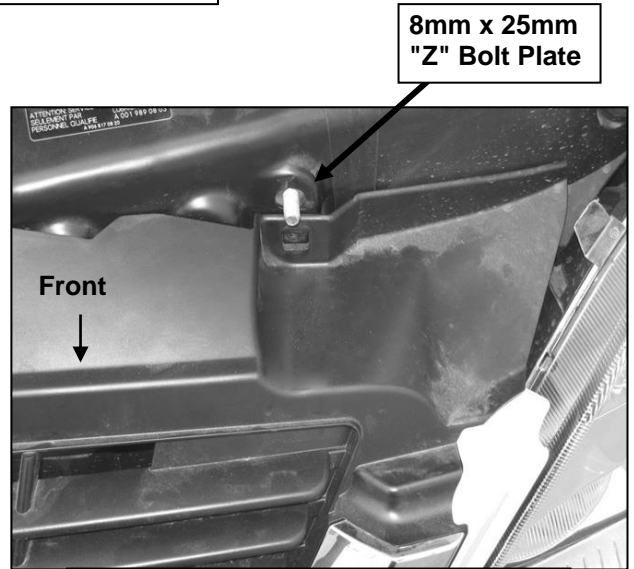
10mm x 30mm Button Head Bolt  
(2) 10mm Flat Washers  
10mm Nylon Lock Nut



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**Driver/left Side Installation Pictured**

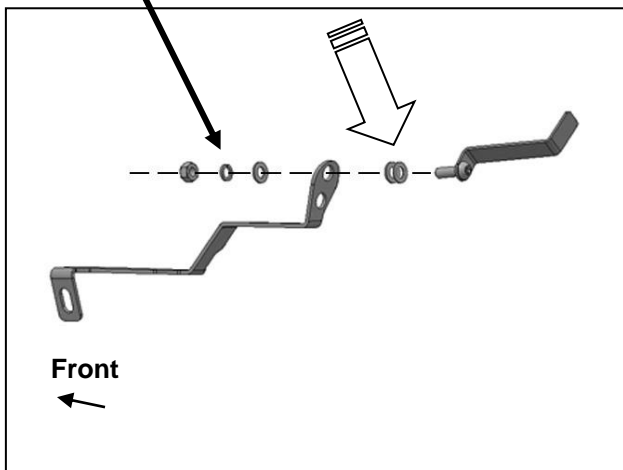


**(Fig 12) Back of radiator cross member (driver/left side pictured)**



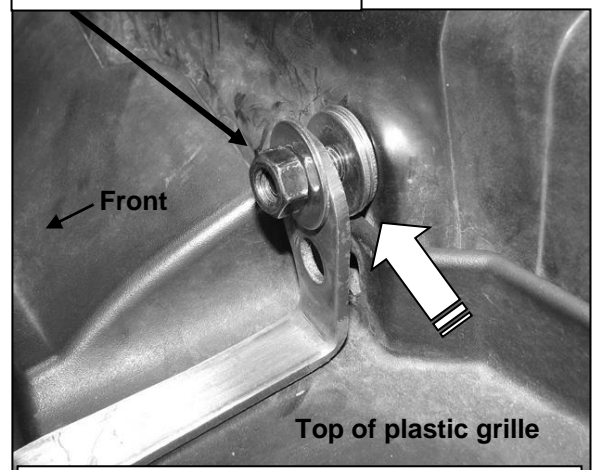
**(Fig 13) 07—14 Models-insert "Z" Bolt Plate through hole in cross member**

**8mm x 16mm Flat Washer**  
**8mm Lock Washer**  
**8mm Hex Nut**



**(Fig 14) Insert (2-3) 8mm x 16mm Flat Washers as a spacer (arrow) between the 07—14 Top Bracket and the radiator cross member**

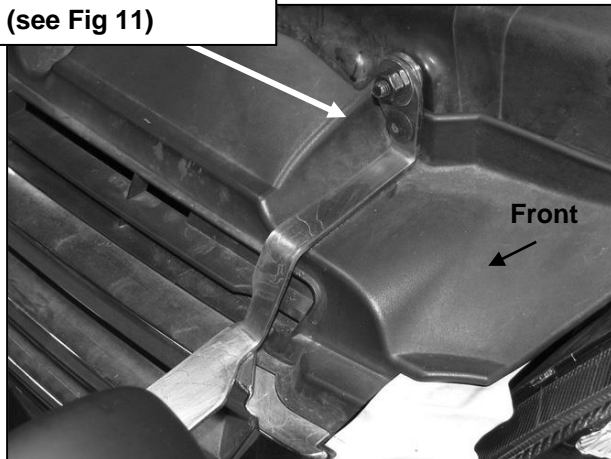
**8mm x 16mm Flat Washer**  
**8mm Lock Washer**  
**8mm Hex Nut**



**(Fig 15) Insert (2-3) 8mm x 16mm Flat Washers as a spacer (arrow) between the Top Bracket and the radiator cross member. NOTE: It may be necessary to gently push down on the plastic grille to provide clearance for the Flat Washers/Spacer behind the Top Bracket.**

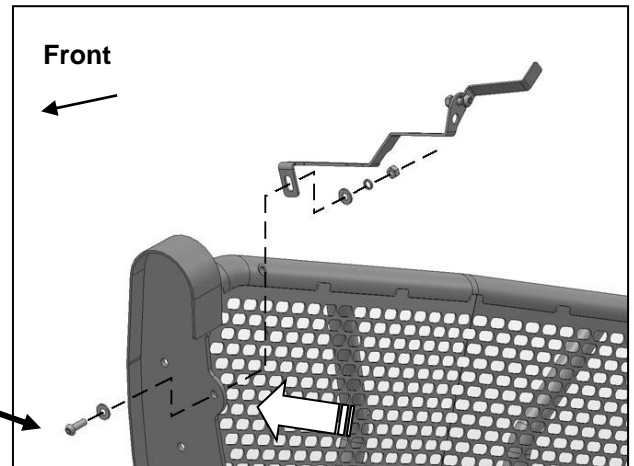
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Driver/left Side Installation Pictured**

Reinstall the factory  
button head screw  
(see Fig 11)

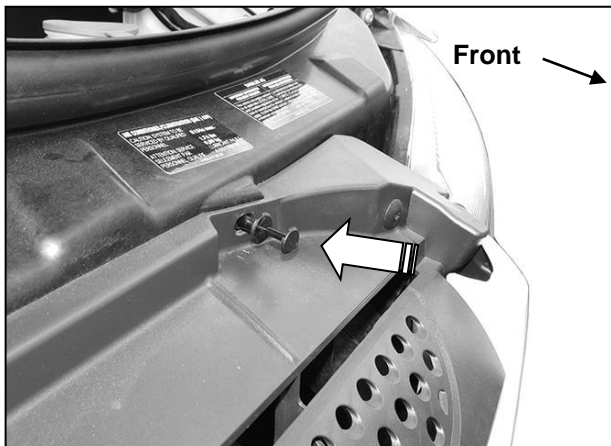


(Fig 16) 07—14 model, driver/left side pictured

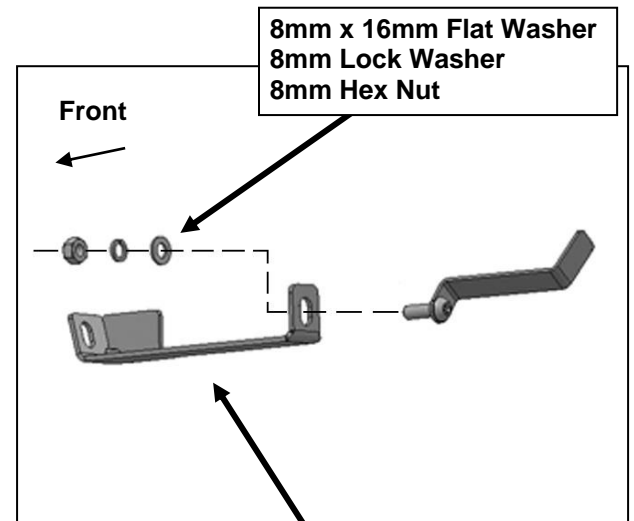
8mm x 25mm Button Head Bolt  
(2) 8mm x 24mm Flat Washers  
8mm Lock Washer  
8mm Hex Nut



(Fig 17) Attach 07—14 Top Bracket  
to upright on Grille Guard



(Fig 18) 2015-on models, remove plastic clip  
(driver/left side pictured). Insert 8mm "Z" Bolt  
Plate through back of radiator cross member



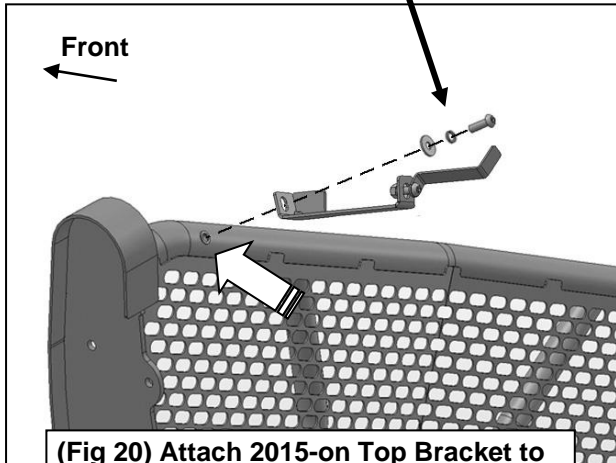
(Fig 19) Attach 2015-on Top  
Bracket to 8mm "Z" Bolt Plate



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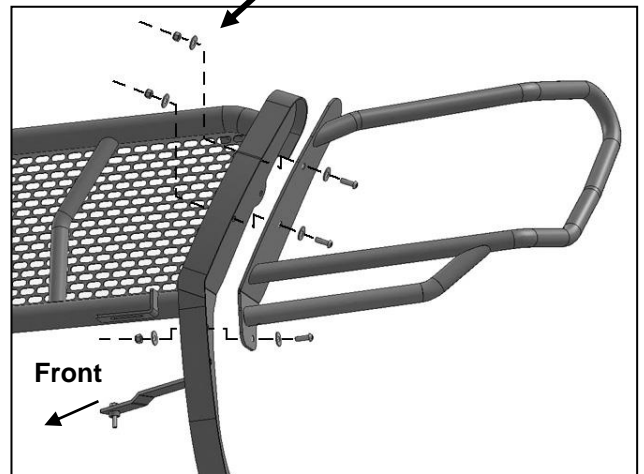
**Driver/left Side Installation Pictured**

8mm x 25mm Button Head Bolt  
8mm Lock Washer  
8mm x 24mm Flat Washer

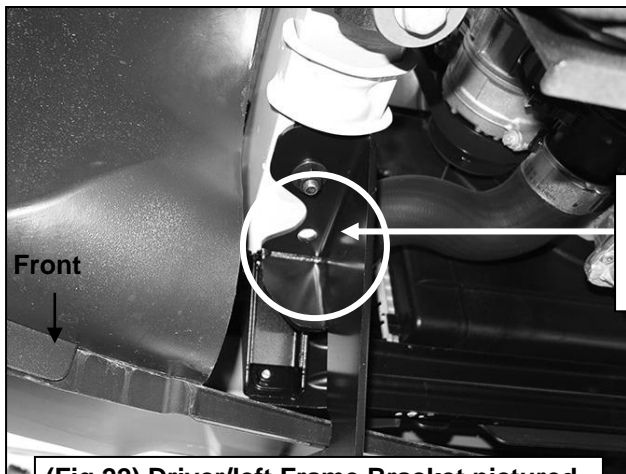


**(Fig 20) Attach 2015-on Top Bracket to back of top tube on Grille Guard (arrow)**

(3) 8mm Button Head Bolts  
(6) 8mm x 24mm Flat Washers  
(3) 8mm Nylon Lock Nuts

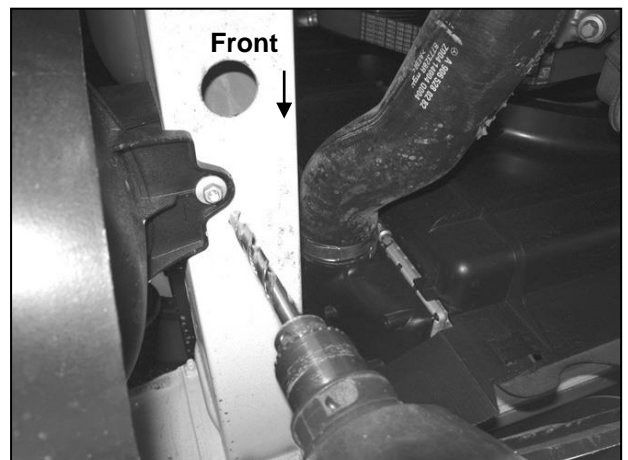


**(Fig 21) Attach Driver/left Headlight Guard to Grille Guard**



**(Fig 22) Driver/left Frame Bracket pictured**

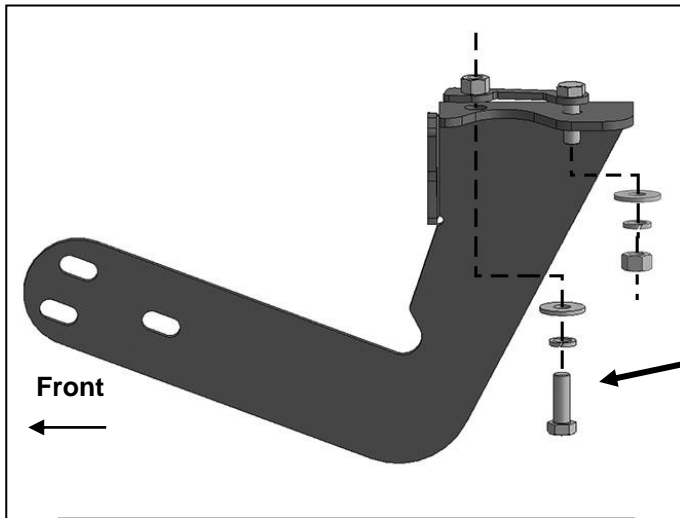
Mark hole location onto bottom of frame channel.  
Remove Grille Guard and Frame Brackets



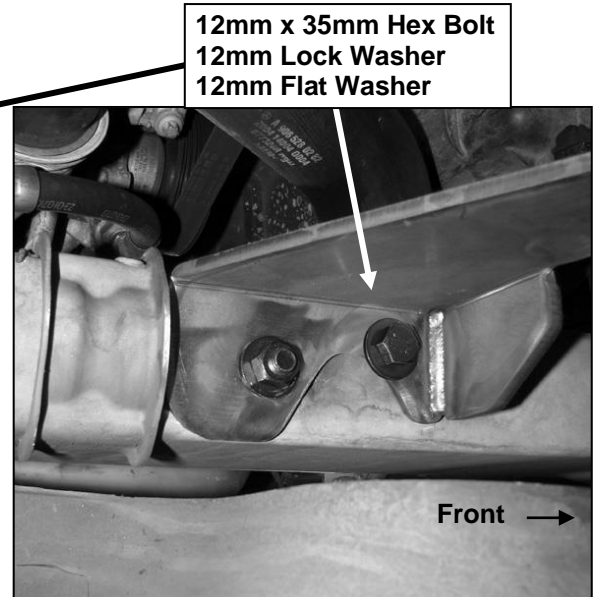
**(Fig 23) Drill 1/2" hole in bottom of frame channel**

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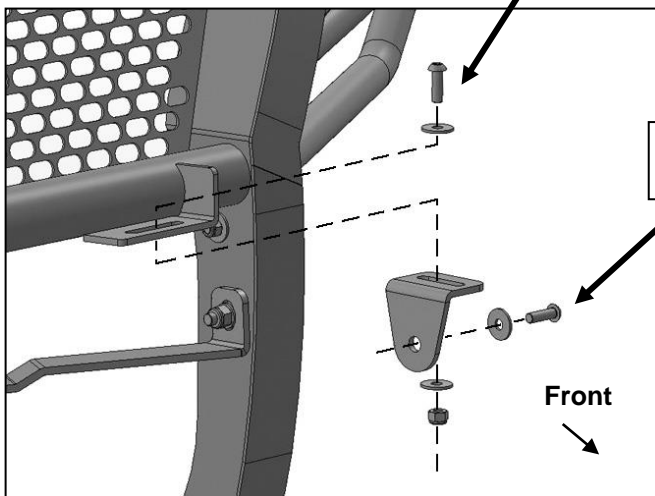
**Driver/left Side Installation Pictured**



**(Fig 24) Reattach driver/left Frame Mounting Bracket to Bolt/Nut Plate in frame**



**(Fig 25) Driver/left Frame Mounting Bracket pictured from below bumper**



**(Fig 26) Attach "L" Light Bracket to Grille Guard**

**8mm Button Head Bolt  
8mm x 24mm Flat Washer**

