



ARMORDILLO Products are designed as decorative accessories and should not be relied upon as protection for the vehicle or passengers. Buyers assume all risk and liability whatsoever resulting from installation and use of products. We assume no liability for injury, loss, incidental or consequential damages in the event of an accident.

ARMORDILLO guarantees the original purchaser a LIMITED 3-YEAR WARRANTY from date of purchase against manufactured defects in materials, workmanship and finish under normal use. This excludes damage resulting from road hazards, debris, product misuse, improper installation, impairments from accidents, neglect, shipping or product modification. This warranty applies only to new products and is limited to the repair or replacement products. Warranty does not include cost of removal, installation, labor, freight, inconvenience, or consequential damage. Original purchaser must return defective merchandise to the original place of purchase and must provide the proof of purchase.

WARNING: When working on, under or around vehicle exercise caution. If working without a lift check vehicle owners manual for correct jacking points. Always wear safety glasses and ensure a safe working area. Serious injury or death could occur if safety measures are not followed.

ARMORDILLO RECOMMENDS PROFESSIONAL INSTALLATION ON ALL THEIR PRODUCTS STOP - Verify part and application is correct before proceeding. If missing part or damaged item please contact customer service directly via message system on the site you bought the item from.

Call us at (909)895-4522 Monday-Friday 9am-6pm PST
Email us At SUPPORT@ARMORDILLOUSA.COM



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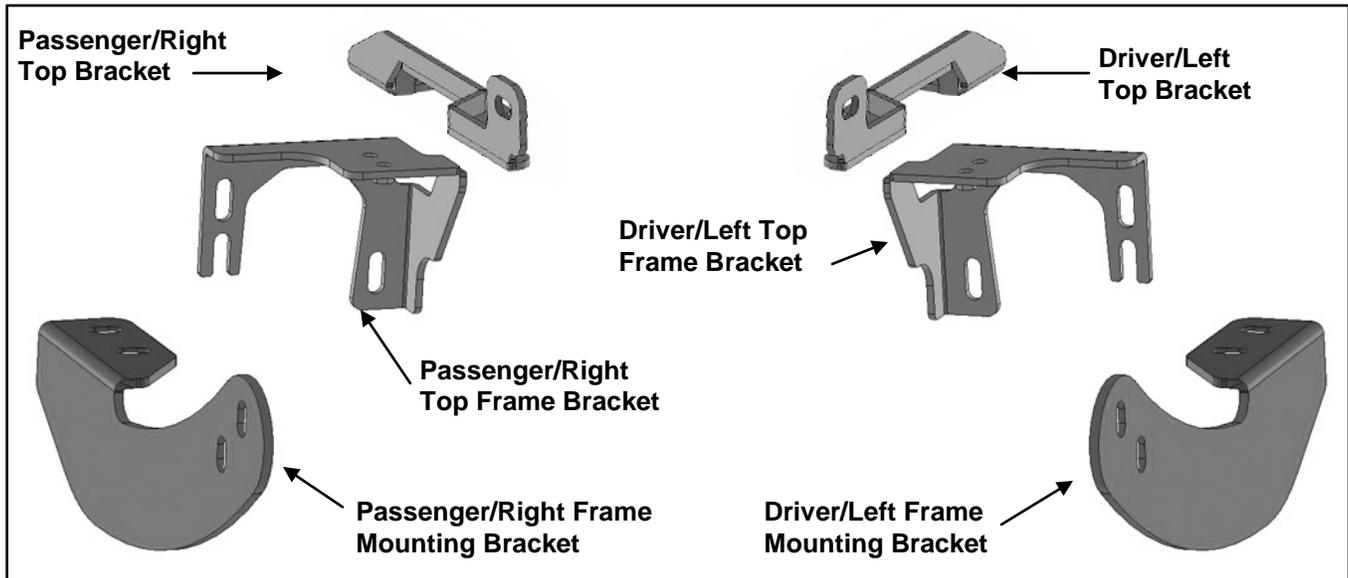
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PARTS LIST:

1	Driver/left Frame Mounting Bracket	12	12mm x 32mm OD x 3mm Flat Washers
1	Passenger/right Frame Mounting Bracket	6	12mm Lock Washers
1	Driver/left Top Frame Bracket	6	12-1.75mm Hex Nuts
1	Passenger/right Top Frame Bracket	4	8-1.25mm x 25mm Hex Bolts
1	Driver/left Top Bracket	4	8mm x 24mm OD x 2mm Flat Washers
1	Passenger/right Top Bracket	4	8mm Lock Washers
6	12-1.75mm x 40mm Hex Bolts		



PROCEDURE:

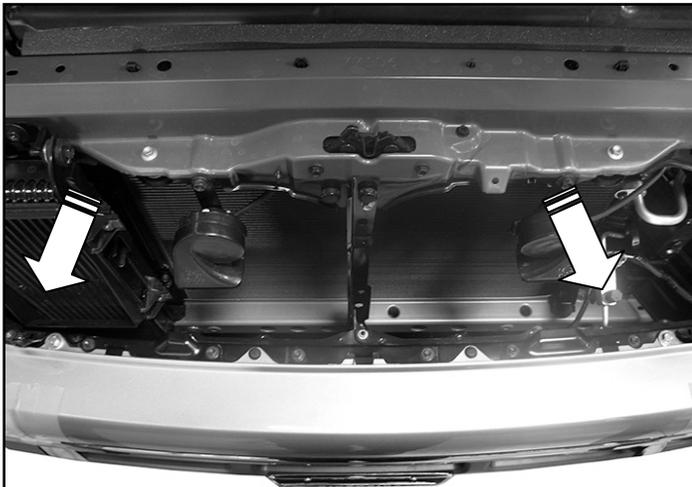
1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. MAY INTERFERE WITH FRONT MOUNTED SENSORS. NOT RECOMMENDED FOR VEHICLES WITH OPTIONAL "ACTIVE" LASER GUIDED CRUISE CONTROL SYSTEMS. CUTTING MAY BE REQUIRED.
2. Start installation at the front of the vehicle.
 - 07-13 Tundra models:** Open the hood. Top Brackets can either be installed from above or below front bumper depending on model, accessories and year, **(Figure 1)**.
 - 2014-17Tundra models:** Top Brackets must be installed from below front bumper, **(Figure2)**.
3. Locate the passenger side bumper bracket bolted to the end of the frame through the gap between the front bumper and the radiator or from below the bumper above the tow hook, **(Figures 1 & 2)**. If installing from below, remove the hardware attaching the bumper cover to the cross member to access the end of the frame and bracket, **(Figure3)**.
4. Select the passenger side Top Frame Bracket, **(Figure 4)**. Locate the passenger side bumper bracket, **(Figure2)**. Remove the top (2) factory hex nuts on the outside and the single hex nut on the inside attaching the bumper bracket to the end of the frame, **(Figure 4)**.
5. Slide the U-shaped Bracket over the top of the bumper bracket and down and over the (3) threaded studs, **(Figure 5)**. If installing from below, carefully pull the bottom of the bumper cover outward and slide the Bracket up and in position. Use the factory hex nuts to attach the Top Bracket to the bumper bracket, **(Figures4 & 6)**. Snug but do not fully tighten the (3) hex nuts at this time.
6. Select the passenger side Top Bracket, **(Figure 7)**. Slide the Top Bracket in through the opening in the bumper, **(Figure 9)**. Line up the (2) holes in the Bracket with the previously installed Frame Bracket, **(Figures 7 & 8)**. Attach the Top Bracket to the top of the Frame Bracket with (2) 8mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers. **IMPORTANT:** Driver/left side Top Bracket installation will require removal or cutting of plastic air deflector, (if equipped), attached to the back of the lower grille, **(Figures9&10)**. **NOTE:** Depending year and model, it may be necessary or easier to temporarily remove the bumper cover to remove the air deflector from the back of the lower grille. Leave hardware loose at this time.

**AR Pre Runner Guard
BRACKET KIT 2007-2018 Toyota Tundra**

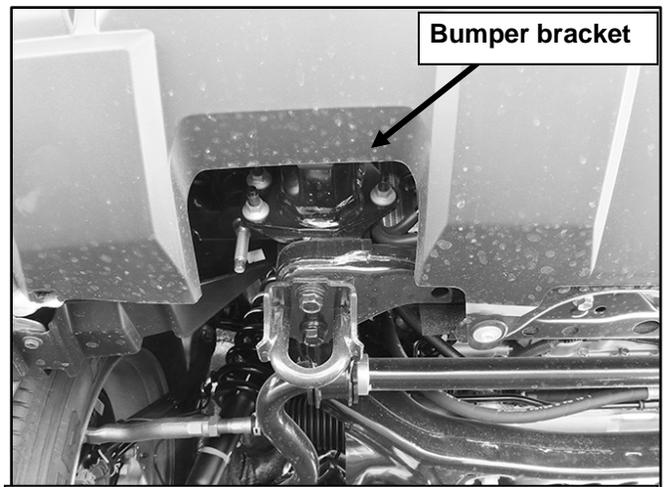
7. From under the front of the vehicle, remove the factory tow hook and set aside, **(Figures 5, 11 & 12)**. Select the passenger side Frame Mounting Bracket, **(Figure 15)**.
Vehicles with small tow hook: Line up the holes in the tow hook with the slots in the Bracket. Attach the tow hook and Bracket to the bottom of the frame using the factory tow hook bolts, **(Figures 13 & 15)**.
Vehicles with large tow hooks: Attach the passenger/right side Frame Mounting Bracket directly to the bottom of the frame with the two factory hex bolts. **NOTE:** Large tow hook cannot be reinstalled, **(Figure 11)**.
8. Repeat **Steps 3—7** to install the driver/left side Mounting Brackets.
9. With assistance, position the Grille Guard up to the inside of the Frame Brackets. Line up the mounting holes in the Grille Guard with the Brackets. Attach the Grille Guard to the Frame Brackets with the included (4) 12mm x 40mm Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, **(Figures 15 & 16)**. Do not fully tighten at this time.
10. Next, attach the passenger/right side Top Bracket to the inside of the Grille Guard upright with (1) 12mm x 40mm Hex Bolt, (2) 12mm Flat Washers, (1) 12mm Lock Washer and (1) 12mm Hex Nut, **(Figures 15 & 16)**. Do not fully tighten at this time. Repeat this Step to attach the driver/left Top Bracket to the Grille Guard.
11. Align and adjust the Grille Guard to the vehicle and fully tighten all hardware. Reattach the bottom of the bumper cover with the factory hardware if released, **(Figure 3)**. Reinstall the plastic top cover on the top of the grille if removed, **(Figure 1)**.
12. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. 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.

Passenger/right Side Installation Pictured

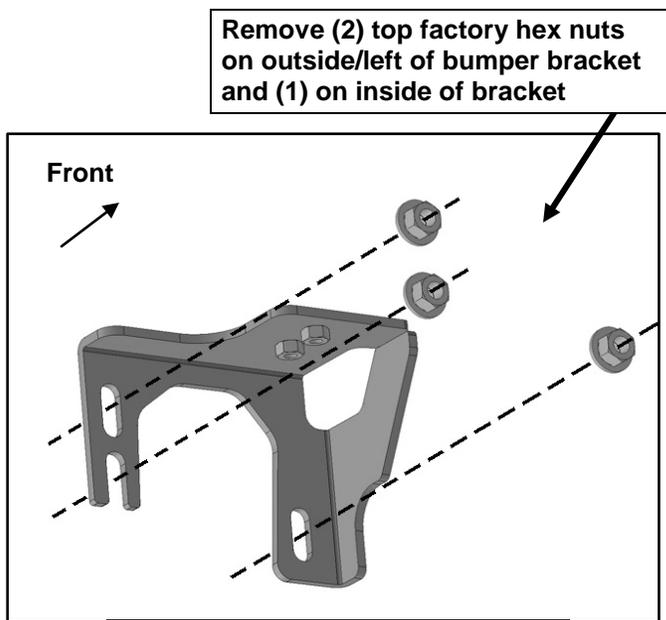
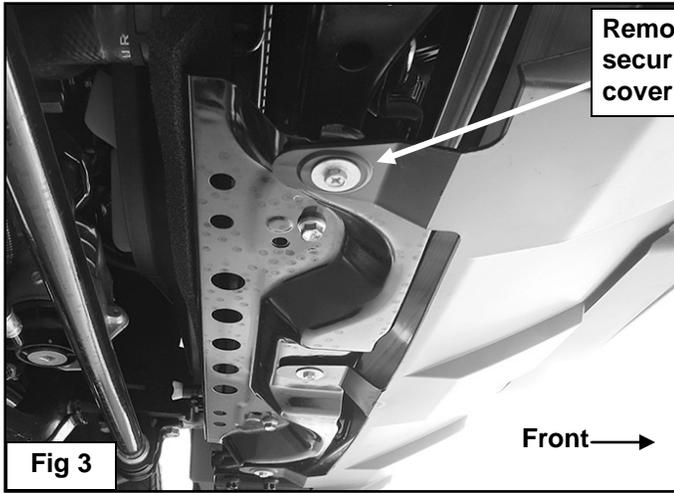


(Fig 1) 07-13 Tundra bumper bracket location pictured from above with cover removed



(Fig 2) 2014 passenger side pictured from below

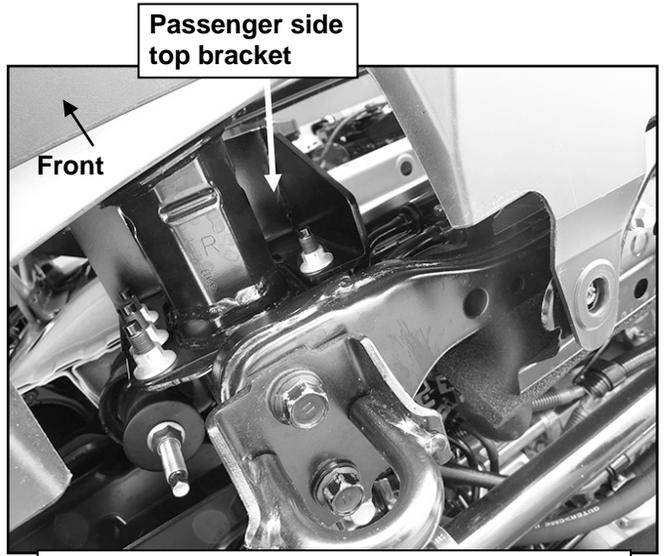
Passenger/right Side Installation Pictured



(Fig 4) Reuse factory hex nuts to attach Passenger/right side Top Frame Bracket to bumper bracket

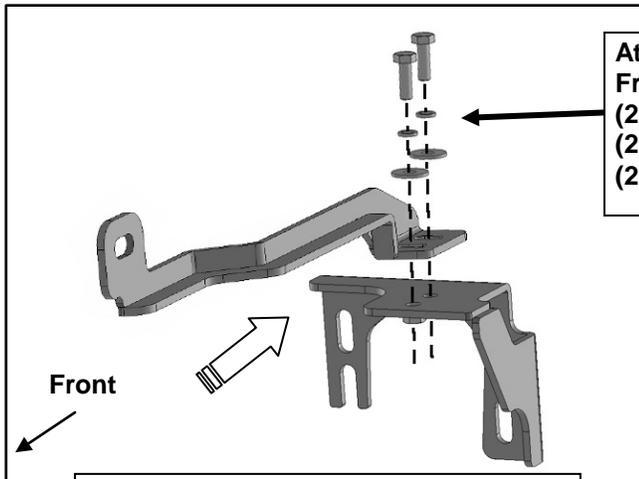


(Fig 5) Passenger side Top Bracket pictured installed over bumper bracket. Pictured from below. On 14-17 models, insert Top Bracket up from below bumper and rotate into position over bumper bracket mounting studs.



(Fig 6) Reuse factory hex nuts to secure Top Bracket to end of frame. Remove tow hooks. NOTE: standard or small tow hook pictured

Passenger/right Side Installation Pictured

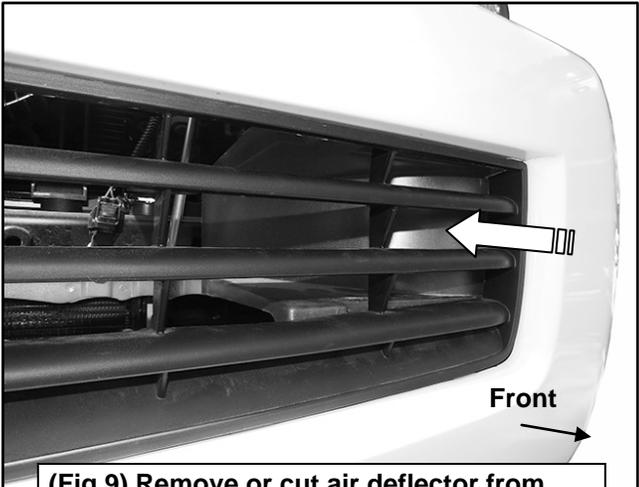


Attach Top Bracket to Frame Bracket with:
(2) 8mm x 25mm Hex Bolts
(2) 8mm Lock Washers
(2) 8mm Flat Washers

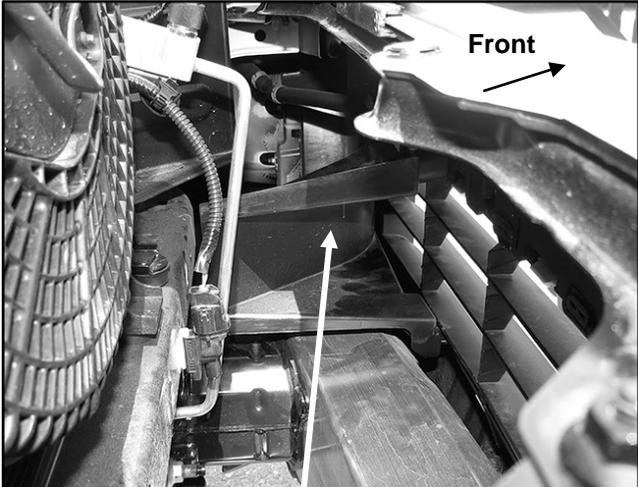
(Fig 7) Passenger side Top Bracket and Top Frame Bracket illustrated



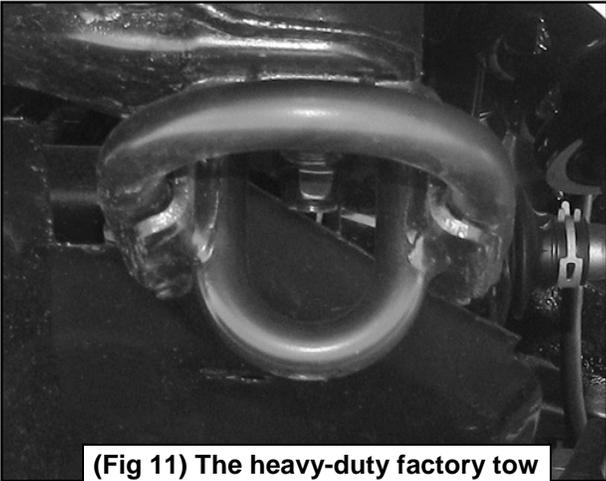
(Fig 8) Driver side 07-13 pictured from above



(Fig 9) Remove or cut air deflector from behind lower grille opening in bumper

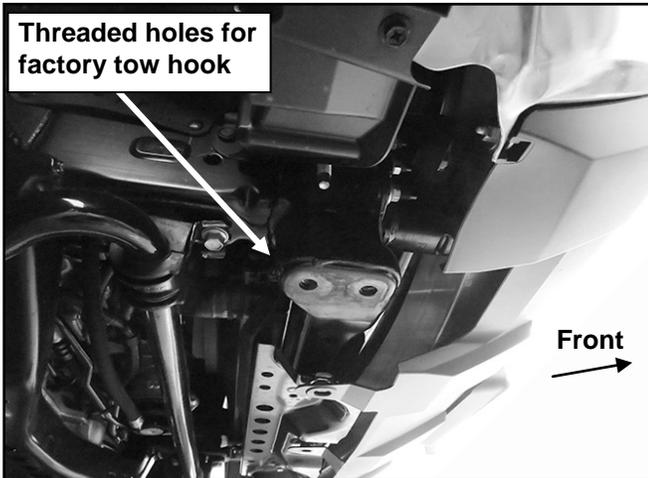


(Fig 10) Air deflector on driver side pictured from behind bumper. Note: Not included on all models



(Fig 11) The heavy-duty factory tow hooks cannot be reinstalled.

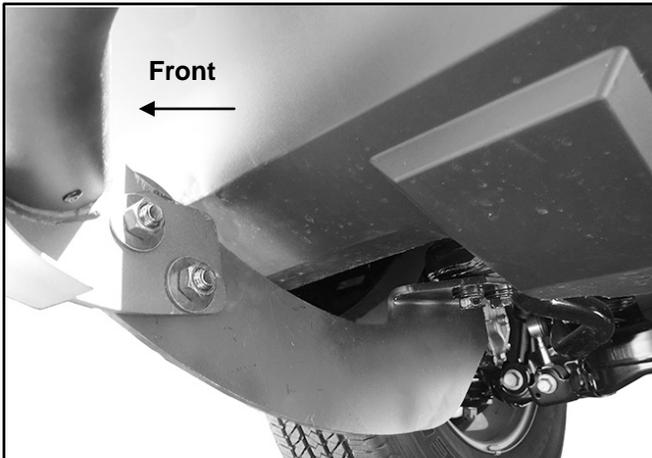
Passenger/right Side Installation Pictured



(Fig 12) Reuse tow hook bolts to attach Frame Brackets to bottom of frame. NOTE: Only "standard or small" tow hook can be reinstalled over Bracket

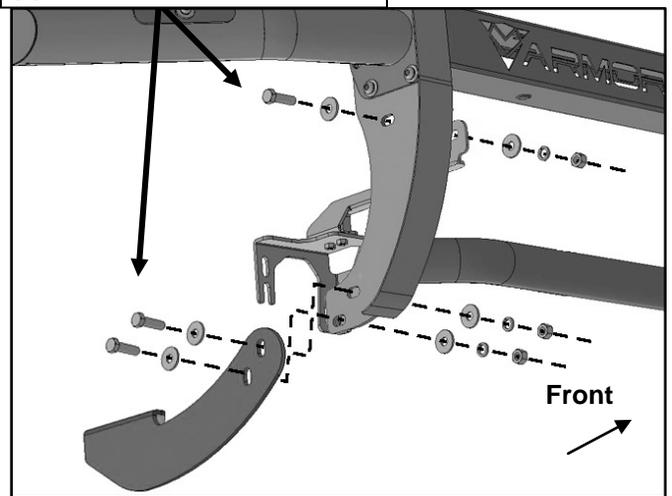


(Fig 13) Passenger/right Frame Bracket installed

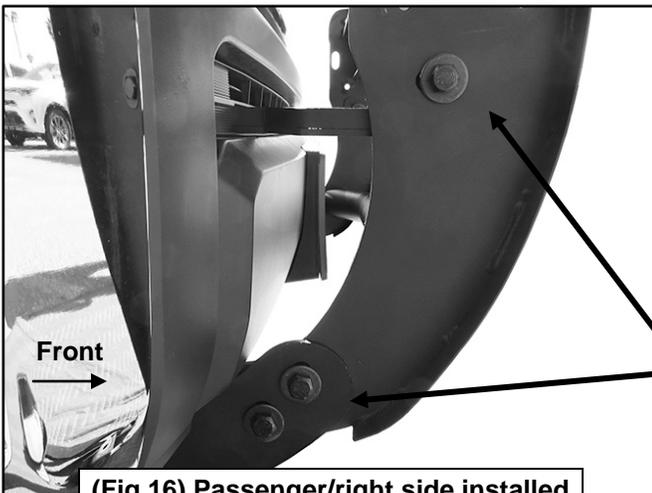


(Fig 14) Passenger/right Frame Bracket installed

- (3) 12mm x 40mm Hex Bolts
- (6) 12mm Flat Washers
- (3) 12mm Lock Washers
- (3) 12mm Hex Nuts



(Fig 15) Attach Grille Guard to passenger side Top and Frame Mounting Brackets



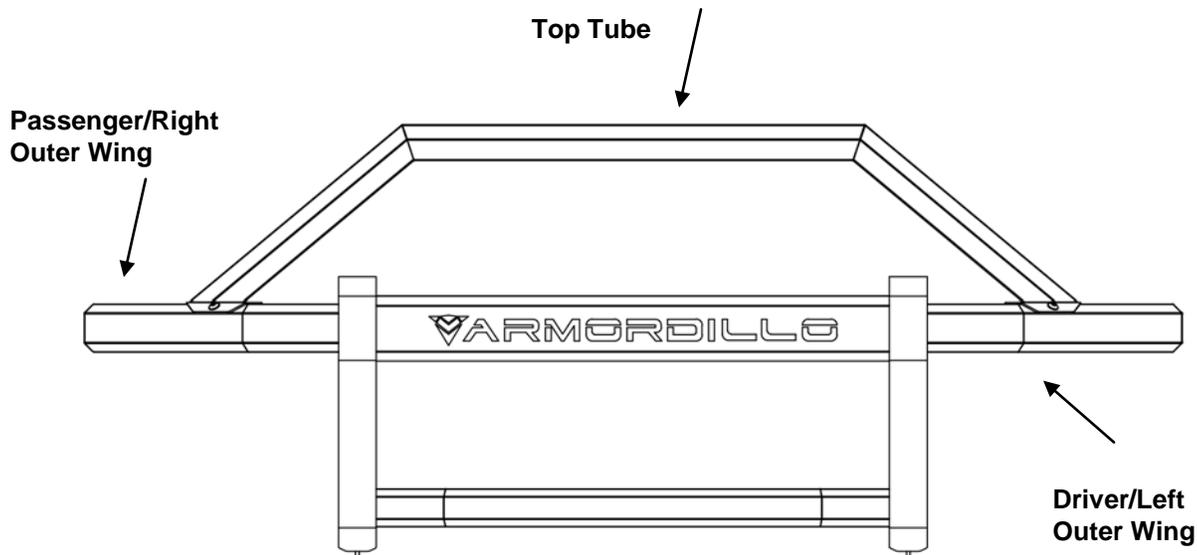
(Fig 16) Passenger/right side installed

- (3) 12mm x 40mm Hex Bolts
- (6) 12mm Flat Washers
- (3) 12mm Lock Washers
- (3) 12mm Hex Nuts

**AR2 Pre Runner Guard
GRILLE GUARD ASSEMBLY**

PARTS LIST:

1	AR2 Pre Runner Grille Guard	8	10-1.5mm x 30mm Button Head Bolts
1	Top Bar	8	10mm x 24mm OD x 2.2mm Flat Washers
1	Driver/left Outer Wing	8	10mm Lock Washers
1	Passenger/right Outer Wing	4	8-1.25mm x 20mm Button Head Bolts
1	6mm Wrench	4	8mm x 24mm x 2mm Flat Washers
1	5mm Wrench	4	8mm Lock Washers



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED.

1. Carefully unwrap the Grille Guard Center Section. Next, select the driver/left Grille Guard Outer Wing. Attach the Wing to the Center Section with (4) 10mm x 35mm Button Head Bolts and (4) 10mm Flat Washers, **(Figure 1)**. Do not tighten hardware at this time. Repeat this Step to attach the passenger/right side Grille Guard Outer Wing
2. Select the Center Top Bar. Line up the mounting holes in the Top Bar with the threaded inserts in the left and right Outer Wings. Attach the Top Bar to the Wings with (4) 8mm x 20mm Button Head Bolts, (4) 8mm Lock Washers and (4) 8mm Flat Washers, **(Figure 2)**. Fully tighten the hardware attaching the Wings to the Grille Guard first, then tighten the Top Bar hardware.
3. Do periodic inspections to the installation to make sure that all hardware is secure and tight.
4. Refer to Bracket Kit installation instructions to attach Grille Guard to Brackets.

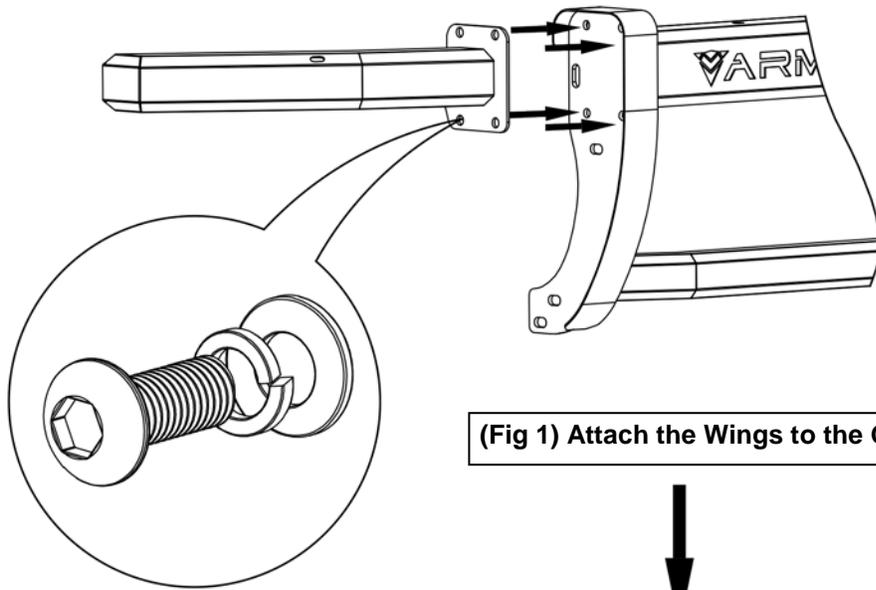
To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

For stainless steel: Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Grille Guard.

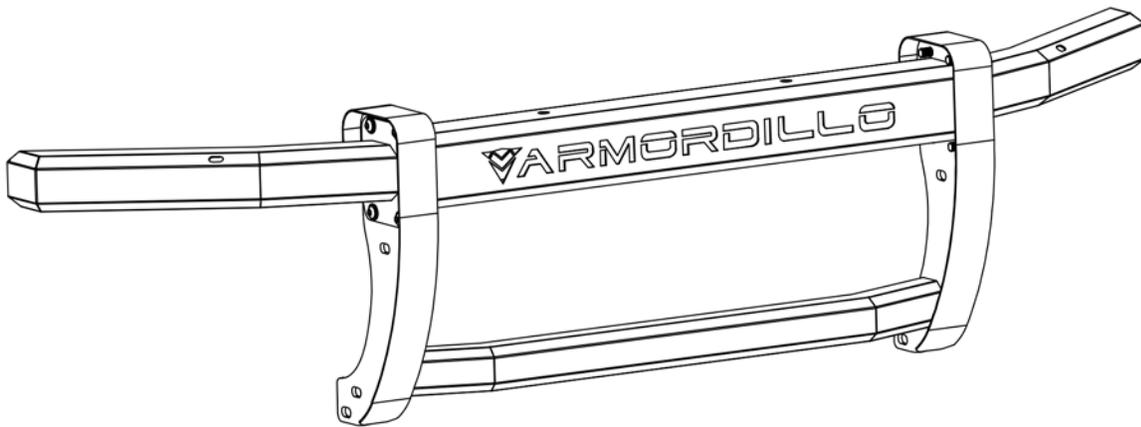
For gloss black finishes: Mild soap may be used to clean the Grille Guard.

Driver Side Installation Pictured

(4) 10mm x 35mm
Button Head Bolts
(4) 10mm Flat Washers

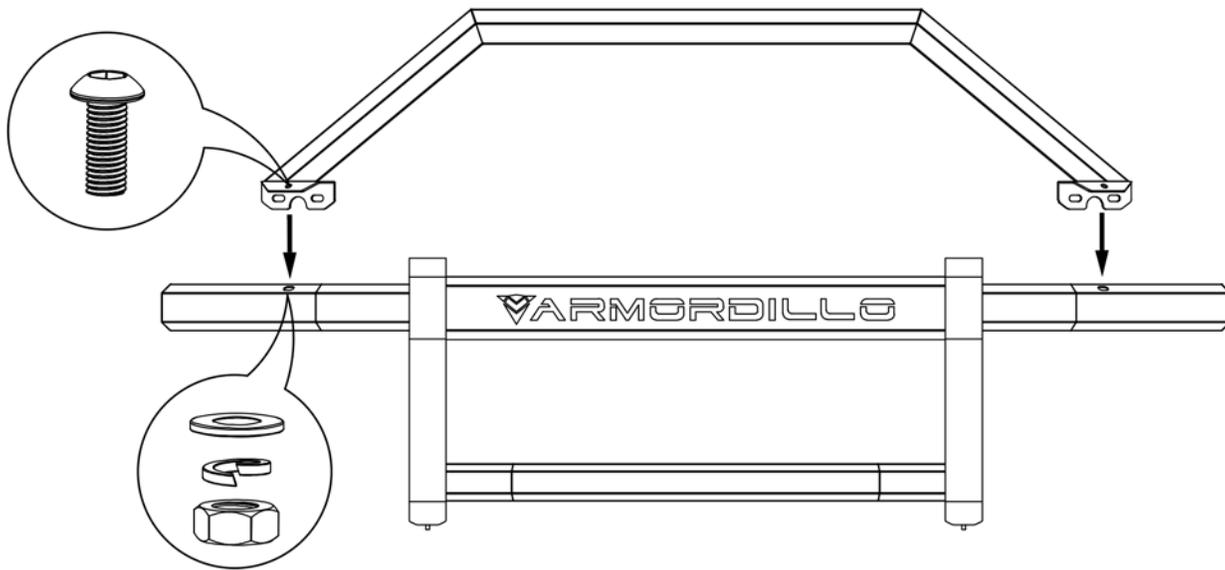


(Fig 1) Attach the Wings to the Grille Guard



**AR2 Pre Runner Guard
GRILLE GUARD ASSEMBLY**

- (2) 8mm x 20mm Button Head Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers



(Fig 2) Attach the Top Tube to Outer Wings

