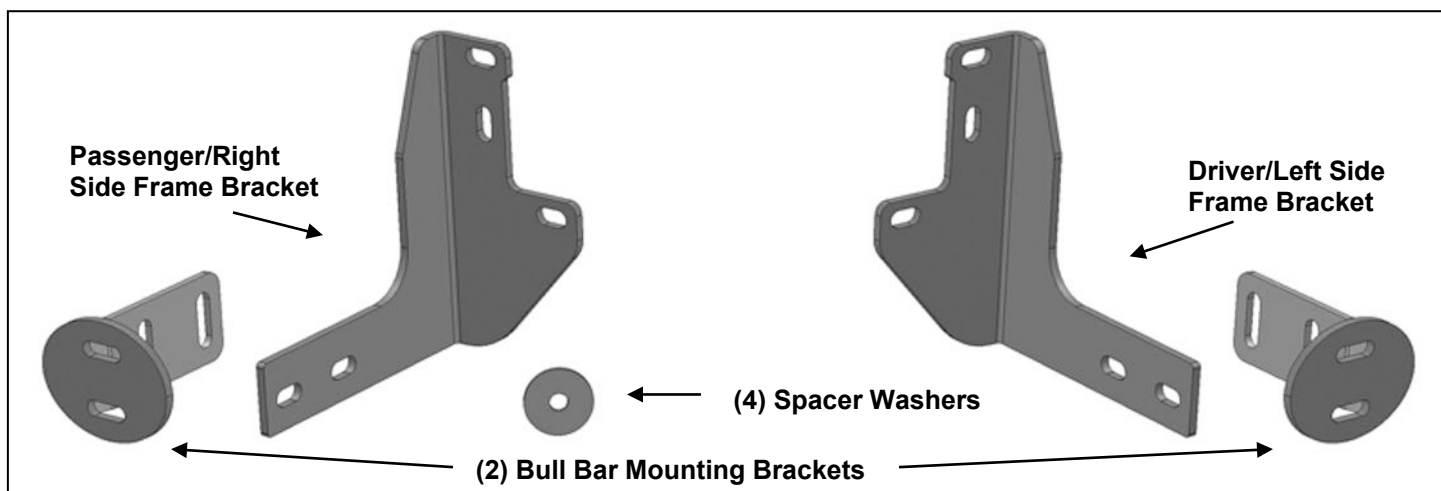




3-1/2" OVAL BULL BAR
2016-23 TACOMA

PARTS LIST:

1	Bull Bar	12	10mm x 30mm STD Flat Washers
1	Driver/Left Frame Mounting Bracket	6	10mm Lock Washers
1	Passenger/Right Frame Mounting Bracket	6	10mm Hex Nuts
2	Bull Bar Mounting Brackets	4	8-1.25mm x 35mm Hex Bolts
1	20" LED Light Bar	2	8mm x 16mm Hex Bolts
4	Large Spacer Washers	6	8mm x 24mm OD x 2mm Flat Washers
2	10-1.50mm x 120mm x 30mm Hex Bolts	6	8mm Lock Washers
4	10-1.50mm x 30mm Hex Bolts		



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. NOT COMPATIBLE WITH OPTIONAL FULL COVERAGE FACTORY ALUMINUM SKID PLATE. OPTIONAL SKID PLATE MUST BE REMOVED AND CANNOT BE REINSTALLED. CUTTING IS REQUIRED.

1. Remove the plastic lower air dam from the bottom of the front bumper, (**Figure 1**).
2. Start installation at the passenger side, front of the vehicle. Remove the (2) outer factory hex nuts attaching the aluminum bumper mount to the end of the frame, (**Figure 2**). **NOTE:** It may be necessary to temporarily remove the factory tow hook from the passenger side.
3. Select the passenger side Frame Bracket, (**Figure 3**). Slide the Bracket over the (2) studs. Attach the Bracket to the studs with the factory hex nuts, (**Figures 4 & 5**). Leave hardware loose.
4. Slide (1) Large Spacer Washer between the Mounting Bracket and the frame cross member, (**Figures 4, 6 & 7**). Insert (1) 10mm x 120mm Hex Bolt with (1) 10mm x 30mm OD STD Flat Washer and (1) Large Spacer Washer into and through the hole in the back of the cross member. Make sure the Spacer Washer is against the cross member covering the large hole, (**Figures 4 & 8**). Push the long bolt through the outer Spacer Washer and Frame Bracket. Attach the Bracket to the Bolt with (1) 10mm x 30mm STD Flat Washer, (1) 10mm Lock Washer and (1) 10mm Hex Nut, (**Figures 4 & 9**). Leave hardware loose at this time. **NOTE:** Trim plastic splashguards attached to the bottom corners of the bumper as necessary to clear brackets.
5. Repeat **Steps 2—4** for driver side Bracket installation.
6. Next, hold the plastic air dam up in position against the Mounting Brackets. Trace the location of the two Brackets onto the back of the air dam, (**Figure 10**). Use a sharp knife or hacksaw blade to carefully

cut two slots to clear the brackets. **IMPORTANT:** Do not cut through the top or bottom edge of the air dam. Do not cut off the mounting tabs from the top of the air dam. For best results, check all measurements before cutting. Start with a small opening and slowly enlarge the slots until Brackets and Bull Bar clear the air dam. Reinstall the air dam but leave hardware loose at this time.

7. Next, carefully unwrap the Bull Bar. Select (1) Bull Bar Mounting Bracket, **(Figure 11)**. Attach the Bracket to the end of the Bull Bar with (2) 8mm x 35mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers. Center the mounting flange on the Bracket with the end of the tube on the Bull Bar. Do not tighten hardware. Repeat this Step to attach the driver side Bull Bar Bracket.
8. **Center LED Light Installation, (LED Light Bar Included):**
 - a. Attach the LED Light Bar to the back of the Bull Bar using the included (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm x 24mm Flat Washers, **(Figure 12)**.
9. With assistance, line up the mounting tabs on the Bull Bar with the outside of the (2) previously installed Frame Brackets. Attach the Bull Bar with Brackets to the Frame Brackets with the included (4) 10mm x 30mm Hex Bolts, (8) 10mm x 30mm STD Flat Washers, (4) 10mm Lock Washers and (4) 10mm Hex Nuts, **(Figure 13)**. Trim air dam for clearance if required. Do not tighten hardware at this time.
10. Level and adjust the Bull Bar properly and tighten all hardware including factory hardware attaching the air dam to the vehicle. Reinstall the tow hook if removed.
11. 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.

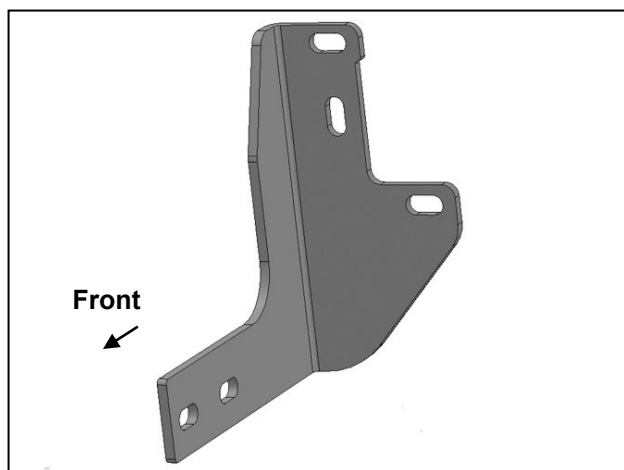
For stainless steel: Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Bull Bar.

For gloss black finishes: Mild soap may be used to clean the Bull Bar.

Passenger Side Installation Pictured



(Fig 1) Remove air dam from bottom of bumper



Remove (2) factory hex nuts on outside of frame

Spacer Washer will cover this opening in the end of the frame

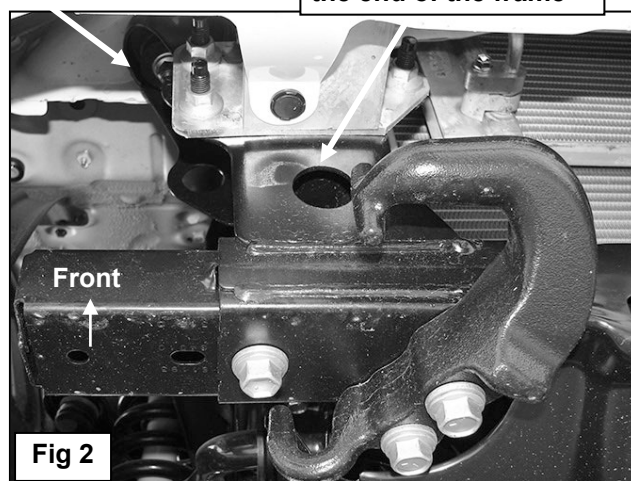


Fig 3 Passenger/right frame Bracket for Side Installation Pictured

10mm x 120mm Hex Bolt
10mm x 30mm STD Flat Washer

(2) Factory
Hex Nuts

10mm x 30mm STD Flat Washer
10mm Lock Washer
10mm Hex Nut

Factory hex nuts

Large Spacer Washers

Front

Fig 4

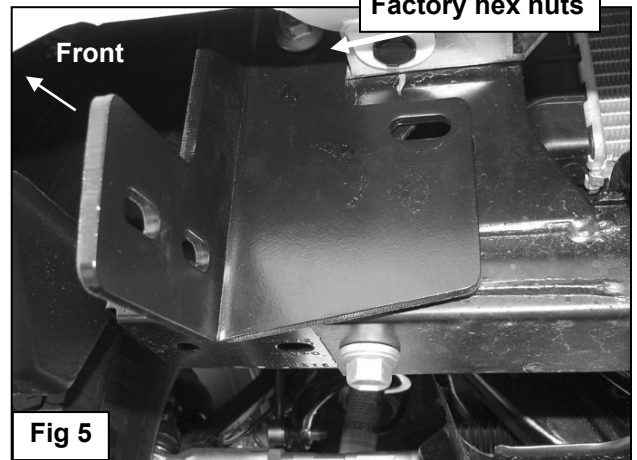
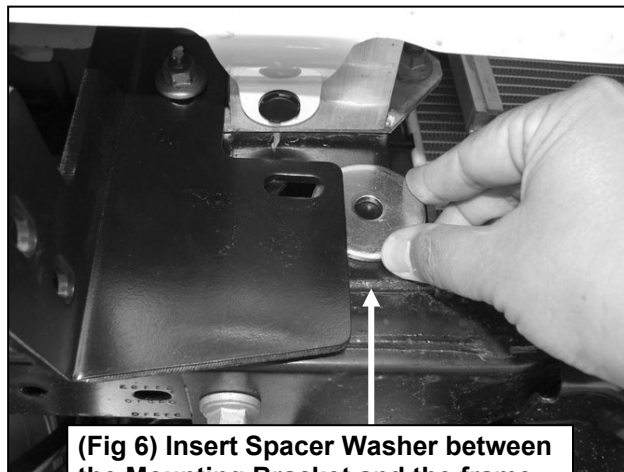


Fig 5



(Fig 6) Insert Spacer Washer between the Mounting Bracket and the frame

Insert Spacer Washer
between the Mounting
Bracket and the frame

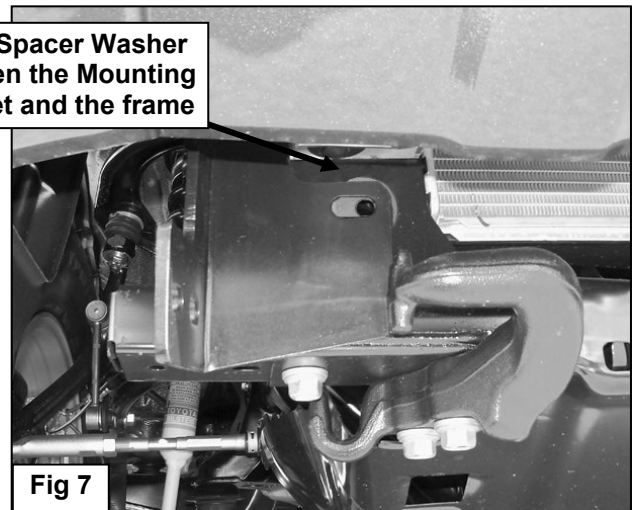
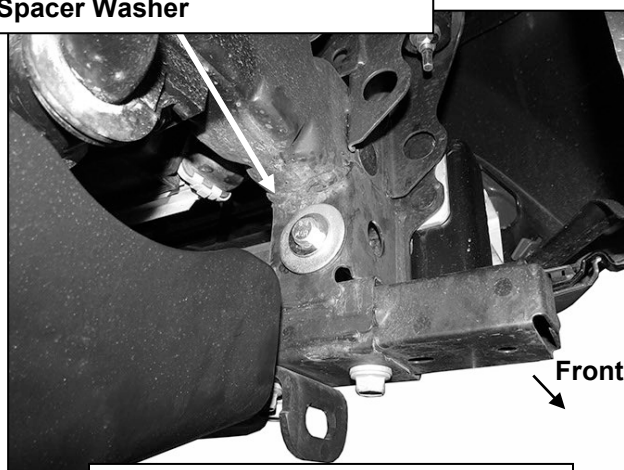


Fig 7

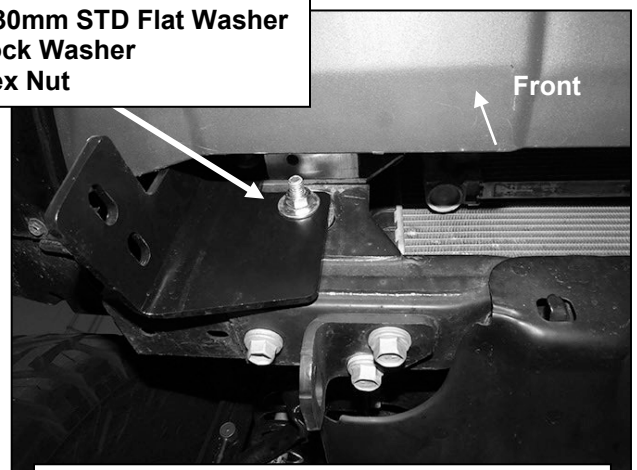
10mm x 120mm Hex Bolt
10mm x 30mm STD Flat Washer
Spacer Washer



(Fig 8) Passenger side pictured from behind bumper

10mm x 30mm STD Flat Washer
10mm Lock Washer
10mm Hex Nut

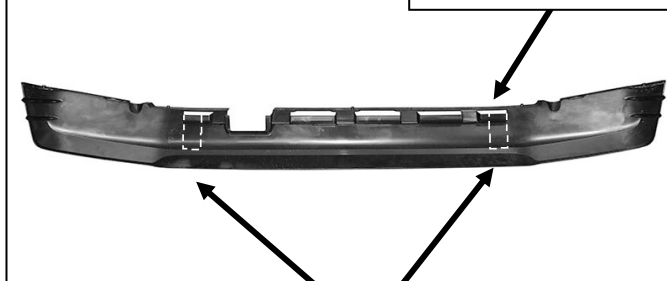
Front



(Fig 9) Passenger side Bracket installation

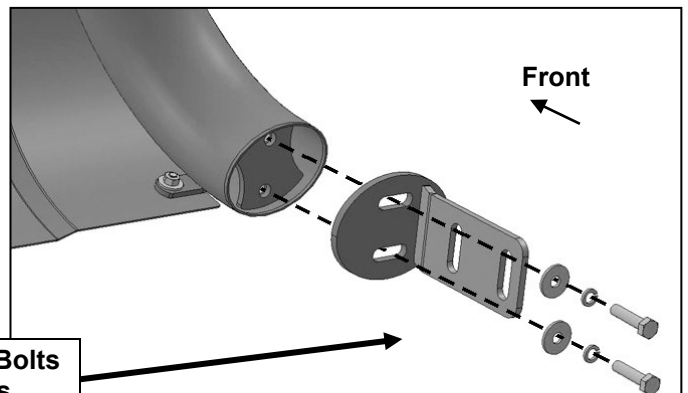
Passenger Side Installation Pictured

Do not cut through the top or bottom edge of the air dam. Do not cut off the mounting tabs from the top of the air dam.



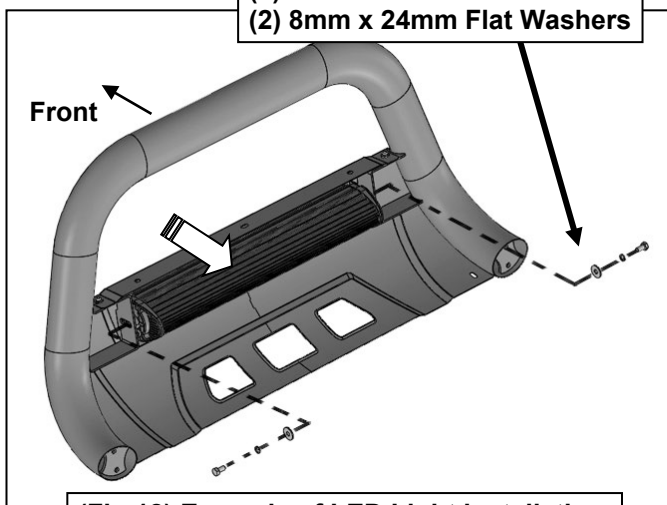
(Fig 10) Dashed lines represent approximate area to cut from air dam (example only)

- (2) 8mm x 35mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers



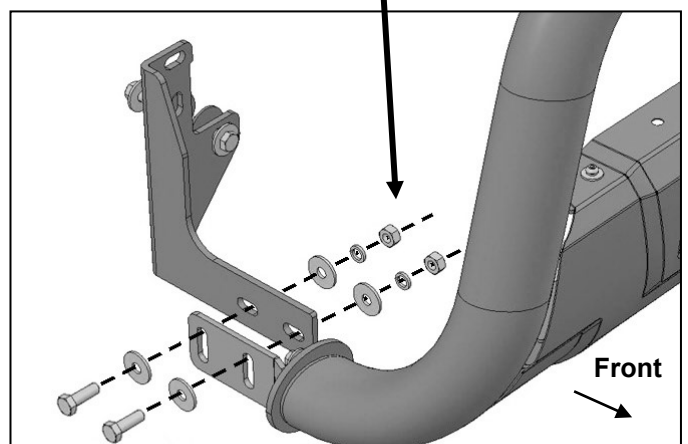
(Fig 11) Attach Bull Bar Bracket to end of Bull Bar

- (2) 8mm x 16mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm x 24mm Flat Washers



(Fig 12) Example of LED Light installation

- (2) 10mm x 30mm Hex Bolts
- (4) 10mm x 30mm STD Flat Washers
- (2) 10mm Lock Washers
- (2) 10mm Hex Nuts



(Fig 13) Attach Bull Bar with Brackets to outside of Frame Brackets

