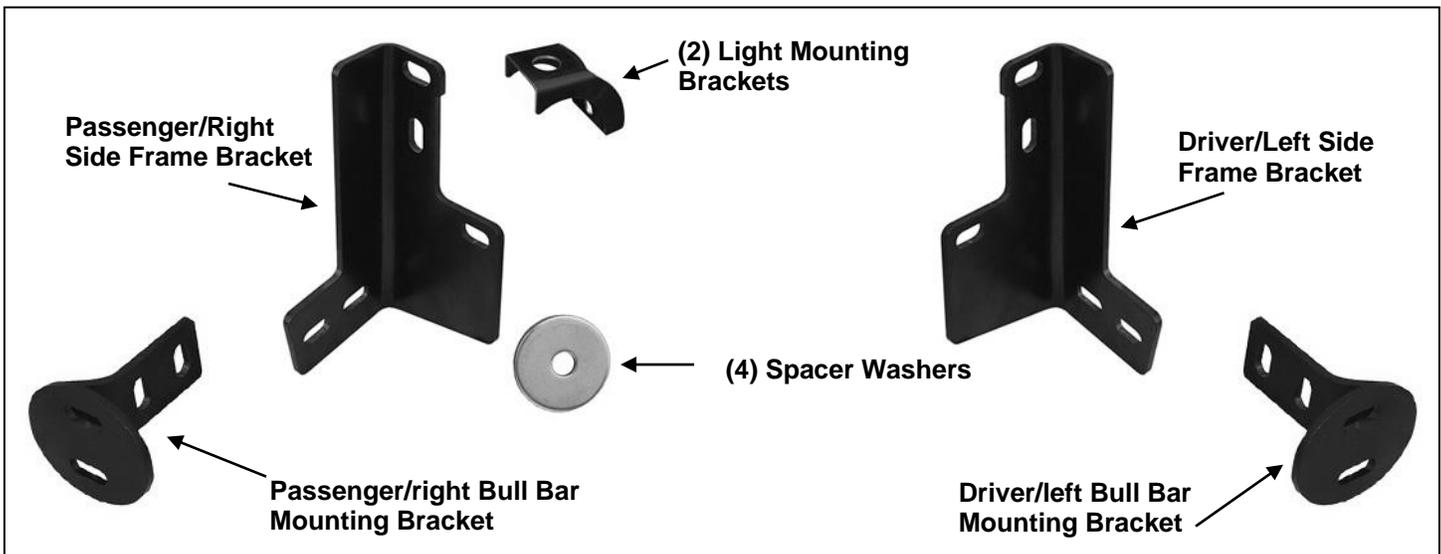




INSTALLATION INSTRUCTIONS
S/S 3.5" OVAL BULL BAR WITH FORMED SKID PLATE FOR TOYOTA
TACOMA 2016 -2019
PART # BB096410-SP-35OV

PARTS LIST:

1	Bull Bar	10	10mm x 20mm OD x 2mm Small Flat Washers
1	Driver/Left Frame Mounting Bracket	6	10mm Lock Washers
1	Passenger/Right Frame Mounting Bracket	6	10mm Hex Nuts
1	Driver/Left Bull Bar Mounting Bracket	4	8-1.25mm x 35mm Hex Bolts
1	Passenger/Right Bull Bar Mounting Bracket	4	8mm x 24mm OD x 2mm Flat Washers
2	Light Brackets	4	8mm Lock Washers
4	Large Spacer Washers	4	6-1.0mm x 20mm Button Head Bolts
2	10-1.50mm x 120mm x 30mm Hex Bolts	4	6mm x 18mm OD x 1.6mm Flat Washers
4	10-1.50mm x 30mm Hex Bolts	4	6mm Lock Washers
2	10mm x 30mm STD Flat Washers	1	Wrench



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.

NOTE: It may be necessary to remove/relocate front license plate and license plate bracket. It is not required, but strongly recommended. If local/state law requires a front license plate, relocation kit is available.

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. Secure the Bracket to the studs with the factory hex nuts, **(Figures 4 & 9)**. Leave hardware loose.
4. Slide (1) Large Spacer Washer between the Mounting Bracket and the frame cross member, **(Figures 5, 6 & 9)**. Insert (1) 10mm x 120mm Hex Bolt with (1) 10mm x 30mm OD Large 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 7 & 9)**. Push the long bolt through the outer Spacer Washer and Frame Bracket. Secure the Bracket to the Bolt with (1) 10mm x 20mm STD Flat Washer and (1) 10mm Nylon Lock Nut, **(Figures 8 & 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 the passenger/right 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, **(Figures 12 & 13)**. Center the mounting flange on the Bracket with the end of the tube on the Bull Bar. Snug but do not tighten hardware. Repeat this Step to attach the driver side Bull Bar Bracket.
8. With assistance, line up the mounting tabs on the Bull Bar with the outside of the (2) previously installed Frame Mounting Brackets. Bolt the Bull Bar to the Frame Brackets with the included (4) 10mm x 30mm Hex Bolts, (8) 10mm x 30mm STD Flat Washers and (4) 10mm Nylon Lock Nuts, **(Figure 14)**. Trim air dam for clearance if required. Do not tighten hardware at this time.
9. 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.
10. Determine if accessory lights will be installed.
If lights will not be installed at this time:
 - a) Insert the included (4) 6mm x 20mm Button Head Bolts, (4) 6mm Lock Washers and (4) 6mm Flat Washers into the threaded inserts in the back of the crossbar to plug the holes, **(Figure 15)**. Tighten hardware. Installation is complete.**If aftermarket lights will be installed, (lights not included):**
 - a) Select (1) Light Mount, **(Figure 16)**. Use the hardware included with the light to attach the light to the top of the Light Mount. If light has a separate tilt feature, fully tighten base mounting hardware, **(See example Figure 17)**. If light adjusts with the base mounting hardware, skip to **Step 10b**.
 - b) Remove the rubber plug on the top of the crossbar. Bolt the light and Light Mount to the back of the Bull Bar with the included (4) 6mm x 20mm Button Head Bolts, (4) 6mm Lock Washers and (4) 6mm Flat Washers, **(Figure 17)**. **NOTE:** If light adjusts with the base mounting hardware, hand-tighten the light hardware; do not fully tighten hardware at this time. You may have to install, adjust, remove light with Bracket and readjust a few times to get the light properly adjusted.
 - c) Once properly adjusted, tighten light to Bracket hardware then tighten Bracket to Bull Bar hardware.
 - d) Repeat the above **Steps 10a—9c** to install remaining light and Light Mount.
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

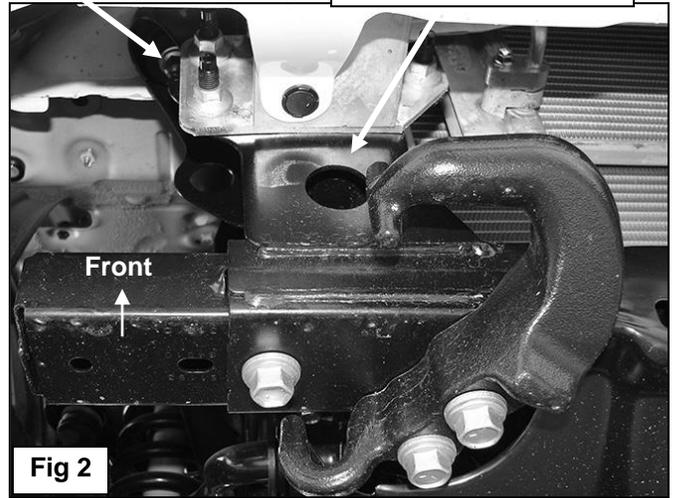


Fig 2

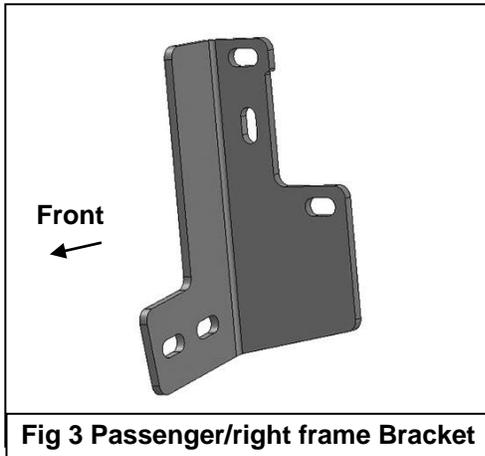


Fig 3 Passenger/right frame Bracket

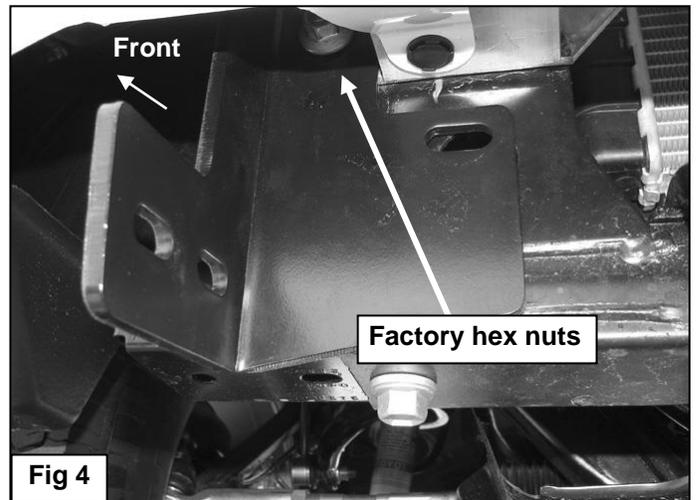


Fig 4

Factory hex nuts

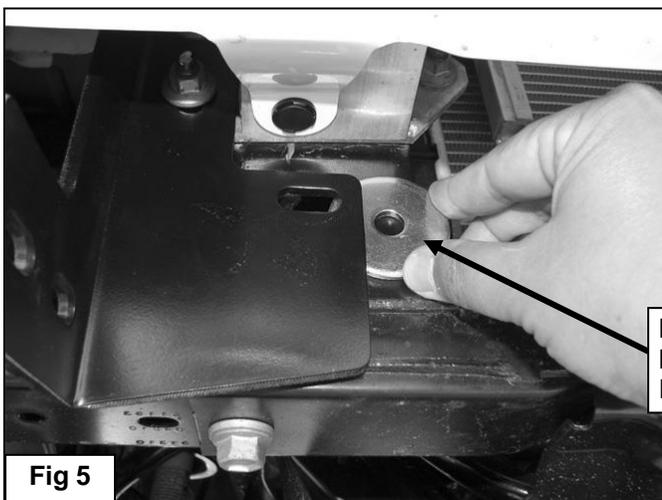
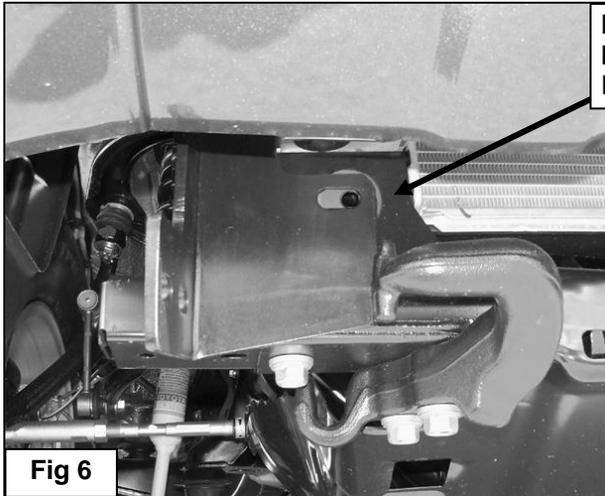


Fig 5

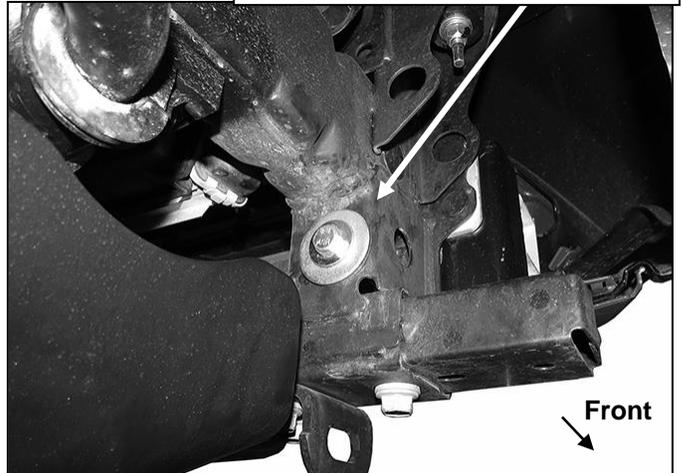
Insert Spacer Washer between the Mounting Bracket and the frame

Passenger Side Installation Pictured

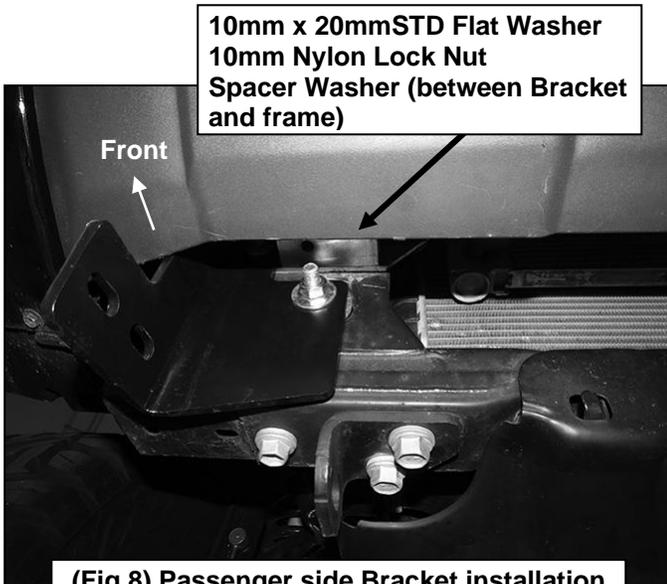


Insert Spacer Washer
between the Mounting
Bracket and the frame

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



(Fig 7) Passenger side pictured from behind bumper



10mm x 20mm STD Flat Washer
10mm Nylon Lock Nut
Spacer Washer (between Bracket
and frame)

(Fig 8) Passenger side Bracket installation

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

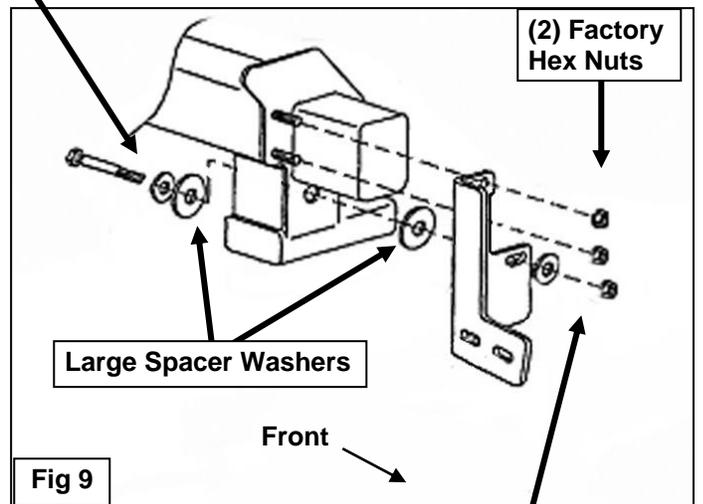


Fig 9

10mm x 20mm STD Flat Washer
10mm Nylon Lock Nut

Passenger Side Installation Pictured

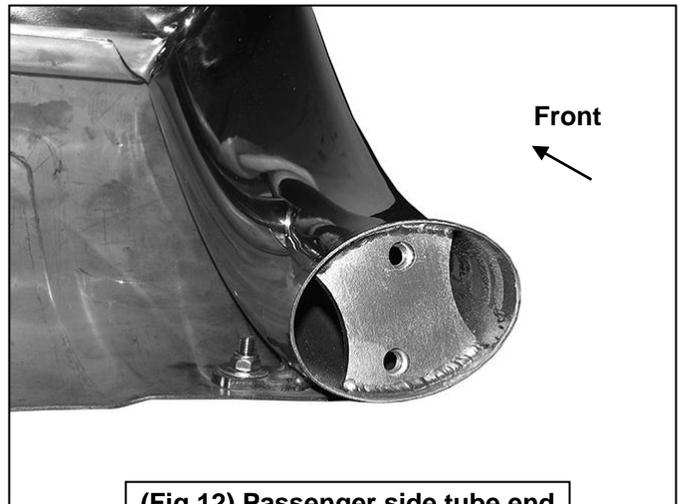
Do not cut through the top or bottom edge of the air dam. Do not cut off the mounting tabs from the top of the air dam.



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



(Fig 11) Passenger side tube Mounting Bracket

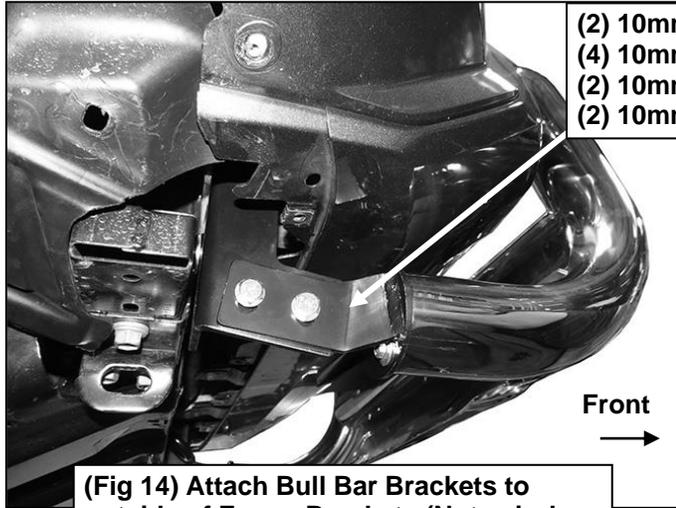


(Fig 12) Passenger side tube end



Fig 13

Passenger Side Installation Pictured



- (2) 10mm x 30mm Hex Bolts
- (4) 10mm x 20mm Small Flat Washers
- (2) 10mm Lock Washers
- (2) 10mm Hex Nuts

(Fig 14) Attach Bull Bar Brackets to outside of Frame Brackets (Note air dam removed for instruction purposes only)

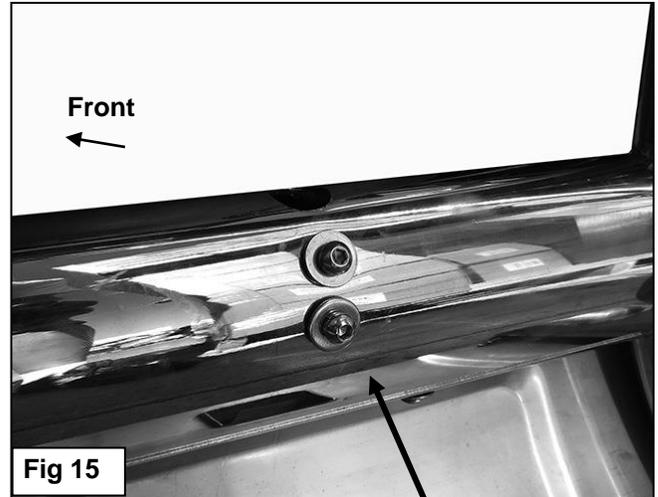
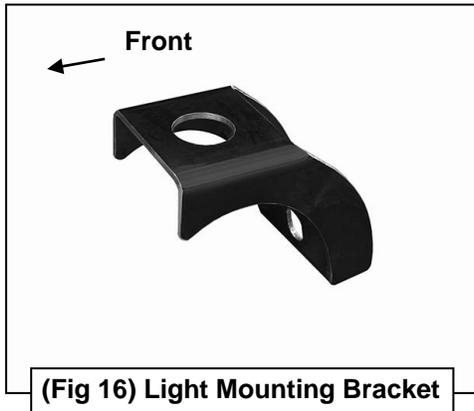


Fig 15

- (2) 6mm x 20mm Button Head Bolts
- (2) 6mm Lock Washers
- (2) 6mm Flat Washers



(Fig 16) Light Mounting Bracket

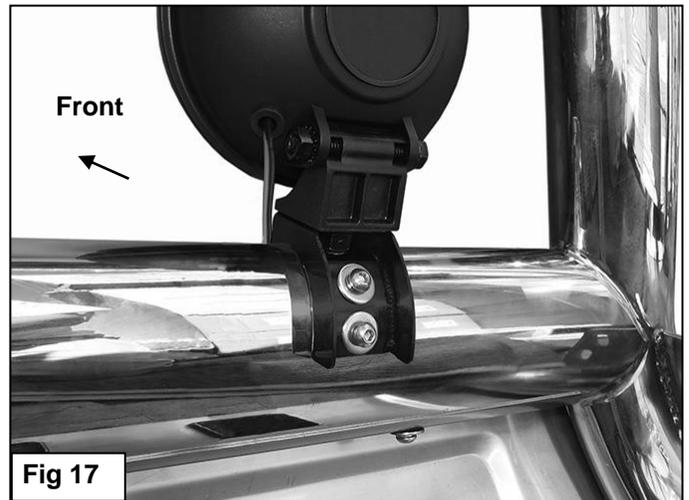


Fig 17

Light pictured for example only-
light not included



Complete Installation