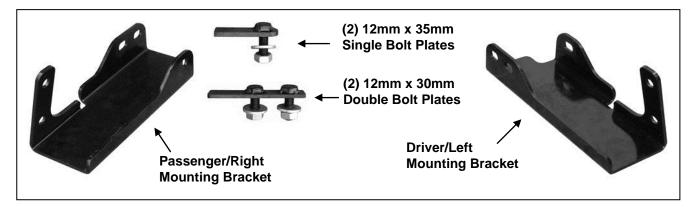


INSTALLATION INSTRUCTIONS

4IN BULL BAR 2014 SILVERADO/SIERRA 1500 PART #TB45-4012 / AL45-4012/45-4012

PARTS LIST:

Qty	Description	Qty	Description
1	Bull Bar	4	10-1.50mm x 30mm Hex Bolt
1	Driver/Left Mounting Bracket	14	10mm x 27mm OD x 3mm Flat Washer
1	Passenger/Right Mounting Bracket	10	10mm Lock Washer
2	10-1.50mm x 30mm Double Bolt Plates	10	10-1.50mm Hex Nut
2	10-1.50mm x 35mm Bolt Plates		



PROCEDURE:

- 1. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY. CUTTING MAY BE REQUIRED. ASSISTANCE IS HIGHLY RECOMMENDED. INSTALLATION MAY INTERFERE WITH FRONT MOUNTED SENSORS.
- 2. Start installation from under the front of the vehicle. Determine if the vehicle is equipped with tow hooks.

Tow Hook equipped vehicles:

- **a.** Remove the factory tow hook from the end of each frame channel, **(Figure 1)**. **NOTE**: The driver side tow hook is difficult to remove and assistance is highly recommended.
 - i. Option 1: Remove the hex bolts securing the driver side of the bumper to the bracket. Use a short pry bar or large screwdriver to move the tab on the bumper bracket up and away to clear the hex bolt and slide it out past the bumper bracket, (Figures 2A, 2B & 5).
 - ii. Option 2: Remove plastic radiator grille. Loosen and/or completely remove the front bumper to remove the long hex bolt in the driver side tow hook, (Figure 2B).
- **b.** Reattach the bumper after the tow hooks have been removed and the openings have been checked for Bracket clearance, **(Figure 5)**. Cut out openings as required for Bracket clearance.
- **a.** Tighten all factory bumper hardware at this time.

Vehicles without tow hooks:

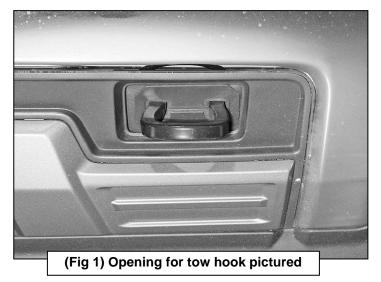
Page 1 of 5 2/18/14 (DP)

- b. Cut out the indented area in both sides of the plastic bumper insert to clear the Brackets as pictured, (Figures 3 & 4). IMPORTANT: Make several small cuts for best fit. Do not cut through the top edge of the panel. NOTE: The plastic panel is held in place with several small screws. The screws at the top corners are difficult to impossible to reach and remove without damaging the cover with the bumper in place. If you prefer to remove the panel to cut out the openings, it may be necessary to remove the plastic grille then the bumper assembly with the plastic panel attached to access all of the small screws and clips.
- **c.** Reattach the bumper and/or bumper insert, (if removed), and grille once openings have been cut out and checked for clearance, **(Figure 5)**. Tighten all hardware at this time.
- **3.** Select the driver side Mounting Bracket. Insert the Bracket through the opening in the plastic bumper. Line up the Bracket with the holes in the end of the frame channel, **(Figure 5)**.
- 4. Select (1) 12mm Double Bolt Plate, (Figure 6A). Insert the Bolt Plate into the end of the frame channel, through the (2) holes in the side of the frame and out through the Bracket. Secure the Bolt Plate to the Bracket with (2) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, (Figure 6B). Snug but do not fully tighten hardware at this time. Repeat this Step to install the 12mm x 35mm Single Bolt Plate, (Figure 7A), into the remaining hole in the other side of the frame channel and Bracket, (Figures 7B, 8A & 8B).
- 5. Repeat Steps 3—4 for passenger side Mounting Bracket installation, (Figure 7B).
- **6.** With assistance, hold the Bull Bar up in position on the outside of the Mounting Brackets. Bolt the Bull Bar to the Brackets with (4) 10mm x 30mm Hex Bolts, (8) 10mm Flat Washers, (4) 10mm Lock Washers and (4) 10mm Hex Nuts, **(Figure 9)**. Do not tighten hardware at this time.
- 7. Level and adjust the Bull Bar and fully tighten all hardware including bumper, bumper bracket and all Bull Bar Bracket hardware.
- 8. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

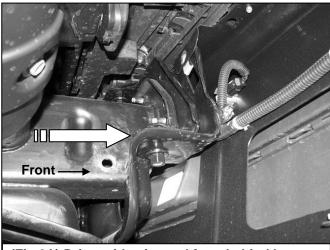
To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

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.

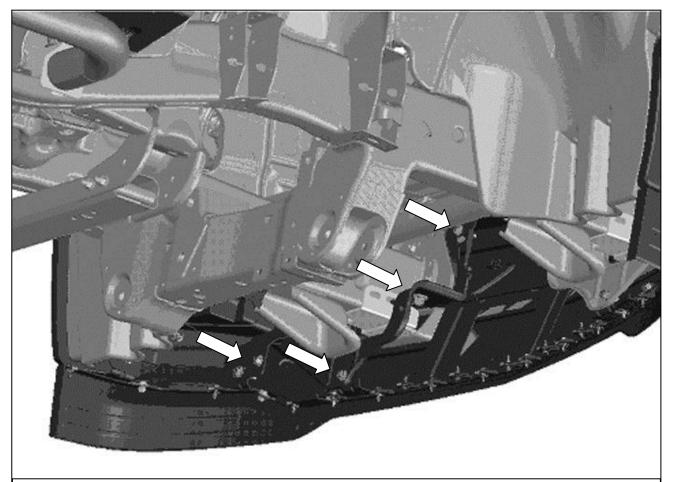


Remove the bolts securing the driver side of the bumper to the bumper bracket. Use a large screwdriver or pry bar to move the mounting tab (see arrow) up enough to get the long bolt through the tow hook out of the end of the frame



(Fig 2A) Driver side pictured from behind bumper

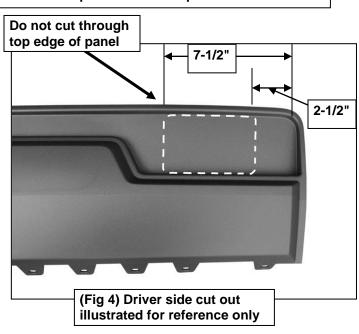
Page 2 of 5 2/18/14 (DP)



(Fig 2B) Silverado driver side illustrated from behind bumper to show bumper bolt locations



(Fig 3) "No tow hook" model pictured



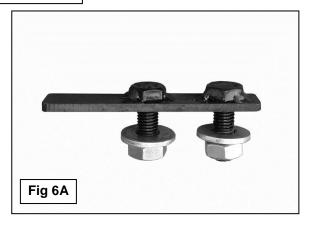
Page 3 of 5 2/18/14 (DP)

Driver Side Mounting Bracket Installation Pictured



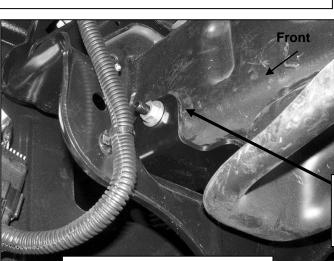
(Fig 5) Driver side pictured without plastic panel for instruction purposes only

Mounting holes in end of frame for tow hook

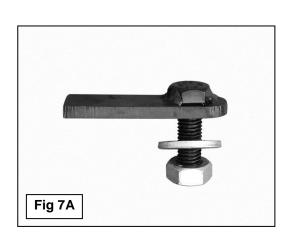


12mm Double Bolt Plate
(2) 12mm Flat Washers
(2) 12mm Lock Washers
(2) 12mm Hex Nuts

(Fig 6B) Driver side pictured from behind bumper



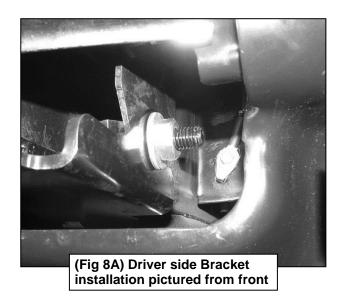
(Fig 7B) Passenger side pictured from behind bumper



12mm Bolt Plate 12mm Flat Washer 12mm Lock Washer 12mm Hex Nut

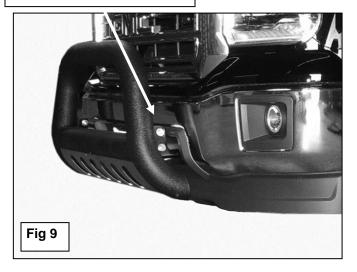
Page 4 of 5 2/18/14 (DP)

Driver Side Installation Pictured



- 10mm Bolt Plate 10mm Double Bolt Plate
 - (Fig 8B) Driver side of Silverado pictured with cut plastic cover for example only

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





Page 5 of 5 2/18/14 (DP)