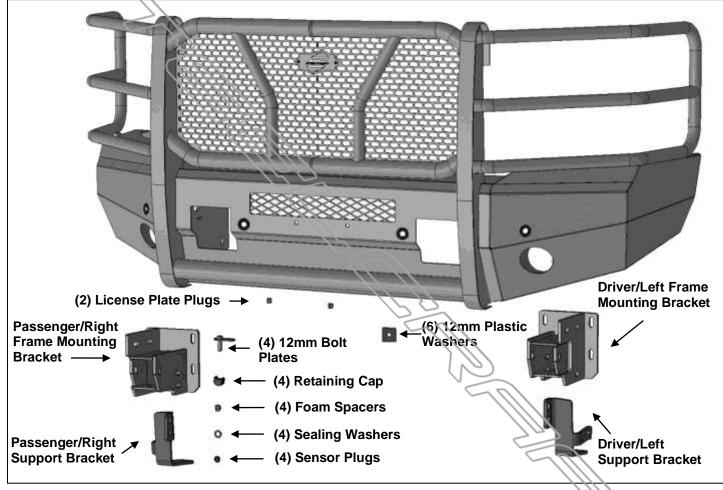
LIST:		
Front bumper	1	Sensor Covers Kit
Driver/left Mounting Bracket	2	Plastic Plugs for License Plate
Passenger/right Mounting Bracket	6	12mm Plastic Washers
Driver/left Lower Support Bracket	4	12mm x 40mm Bolt Plate
Passenger/right Lower Support Bracket	10	12-1.75mm x 50mm Hex Bolts
Sealing Washers	24	12mm x 37mm OD x 3mm Flat Washers
20mm x 10mm Foam Spacers	14	12mm Lock Washers
Sensor Retaining Cap	14	12mm Hex Nuts
Sensor Hole Plugs	8	4mm x 10mm Button Head Screws
	Front bumper Driver/left Mounting Bracket Passenger/right Mounting Bracket Driver/left Lower Support Bracket Passenger/right Lower Support Bracket Sealing Washers 20mm x 10mm Foam Spacers Sensor Retaining Cap	Front bumper1Driver/left Mounting Bracket2Passenger/right Mounting Bracket6Driver/left Lower Support Bracket4Passenger/right Lower Support Bracket10Sealing Washers2420mm x 10mm Foam Spacers14Sensor Retaining Cap14



RECOMMENDED TO REPLACE THE 12MM HEX BOLTS ON AN ANNUAL BASIS

PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. BUMPER IS HEAVY, ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE.

- 1. Open the hood and remove the plastic cover from the top of the radiator and grille, (Figure 1). Temporarily remove the plastic grille.
- 2. Remove the license plate and bracket. On models with factory fog lights and/or sensors, unplug all harnesses leading to the front bumper. Move all harnesses away from bumper.
- 3. Next, remove the hardware at each end of the bumper attaching the bumper to the outer bumper supports, (Figure 2).
- 4. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been safely supported, from above the bumper, remove the (2) factory bumper bolts from

each side, **(Figure 3)**. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Remove the bumper assembly.

- 5. Remove the factory bumper brackets and tow hooks from the end of frame, (Figure 4).
- 6. Select (2) 12mm Bolt Plates. Insert Bolt Plates into the driver/left end of the frame and out the bottom and side, (Figure 5). Select the driver/left Support Bracket. Attach the Bracket to the outside of the frame and to the Bolt Plates with the included (2) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, (Figures 6 & 7). Leave hardware loose at this time.
- Next, slide the driver/left Frame Mounting Bracket down and into position between the Support Bracket and the end of the frame, (Figure 8). Attach the Support Bracket the Frame Bracket with (2) 12mm x 50mm Hex Bolts, (4) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, (Figure 8). Reuse the (4) factory bumper bracket bolts to attach the Frame Bracket to the end of the frame, (Figure 9). Snug but do not fully tighten the hardware at this time.
- 8. Select (1) tow hook. Insert the tow hook into the opening in the driver/left Frame Bracket, (Figure 9). Insert the long factory tow hook bolt through the outside of the Bracket, the tow hook and the inner plate on the Bracket. Secure with the factory hex nut. **IMPORTANT**: The long hex bolt must be inserted from the outside of the Bracket to the inside to clear the mounting plate on the Bumper. Reuse the short factory tow hook hex bolt to attach the tow hook to the bottom plate on the Bracket, (Figure 9). Fully tighten the tow hook hardware only at this time.
- 9. Repeat Steps 6—8 to install the passenger/right side Brackets and tow hook.
- 10. Carefully remove both fog light assemblies, all sensors and the wiring harness from the back of the OE bumper if equipped. Note location of each sensor for correct reinstallation.

Models without bumper sensors.

- a. Insert (1) Plug into the outer hole in the Sensor Mount, (Figure 10).
- **b.** Repeat these Steps to plug remaining (3) mounting holes in Bumper. Continue to **Step 11**.

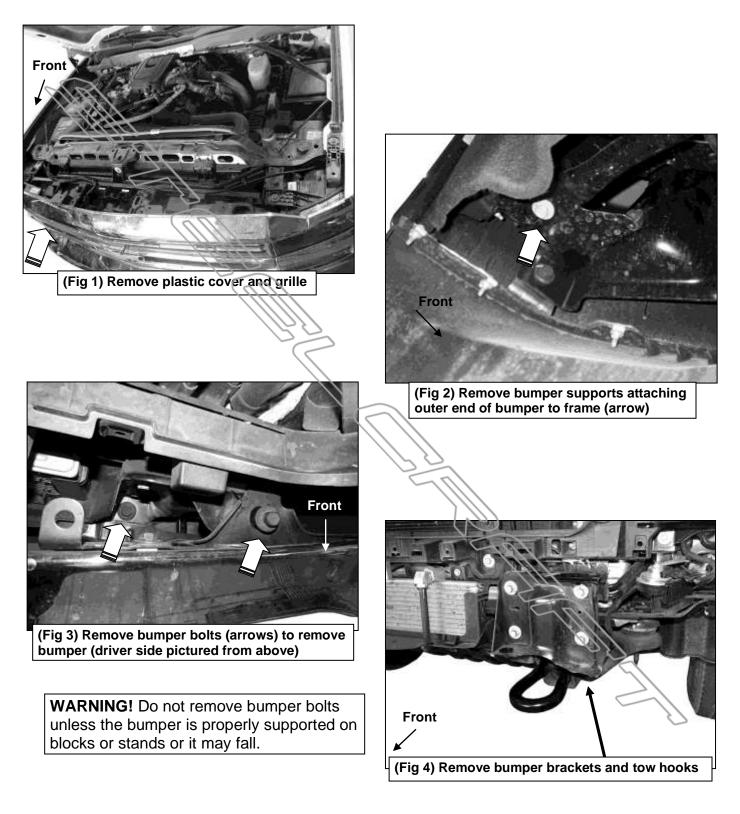
Models with bumper mounted sensors:

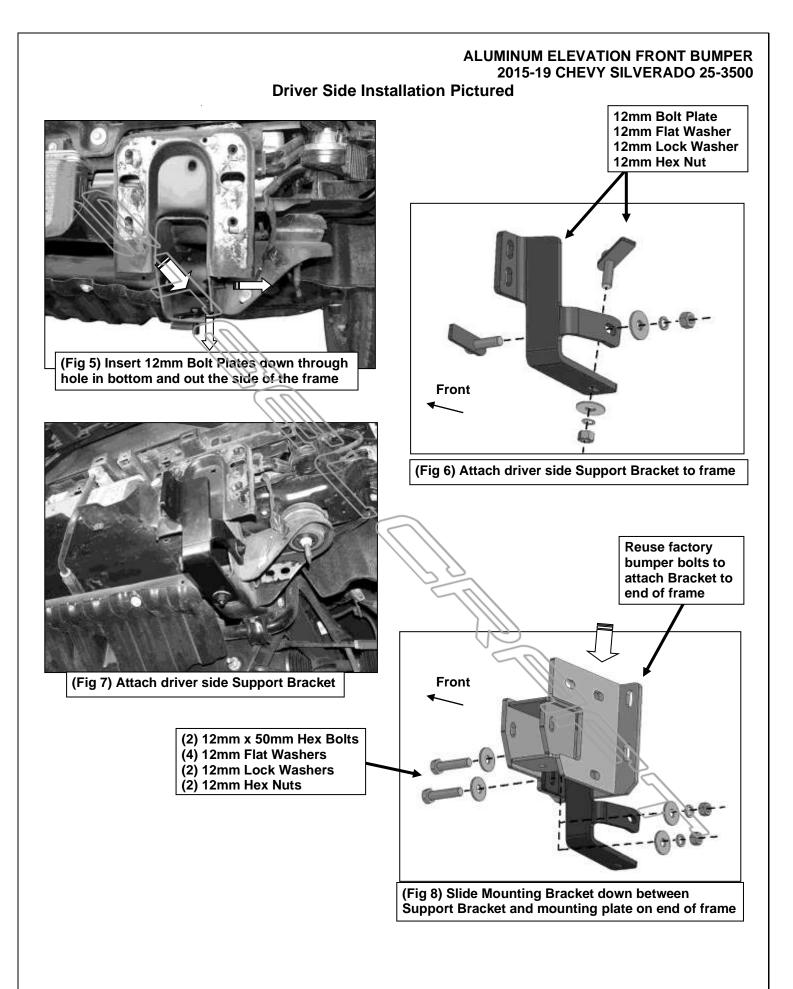
- **a.** Select the driver/left outer sensor. Remove the seal from the end of the sensor, (Figure 11). Replace the seal with the included larger Foam Seal.
- **b.** Push the sensor into the Mount from the back of the Bumper until it is flush with the front of the Mount.
- c. Push (1) Foam Spacer onto the back end of the sensor, (Figure 12).
- d. Snap (1) Sensor Retaining Cap onto the Sensor Mount, (Figure 12).
- e. Repeat the previous Steps to install the remaining sensors in order from factory bumper.
- 11. Install the factory bumper wiring harness for sensors and fog lights as equipped. Run wiring harness over or through Brackets to reach sensors.
- 12. With assistance, position the Bumper Assembly up to the Brackets. Temporarily support the weight of the Bumper. WARNING: To avoid possible injury or damage to the vehicle, do not proceed until the Bumper is fully and safely supported.
- 13. Attach the Bumper to the driver/left Bracket with the included (3) 12mm x 50mm Hex Bolts, (6) 12mm Flat Washers, (3) 12mm Plastic Washers and (3) 12mm Nylon Lock Nuts, (Figures 13 & 14).
 IMPORTANT: Place the Plastic Washers between the outer 12mm Flat Washers and the mounting plate on the Bumper to minimize corrosion. Repeat this Step to attach the passenger/right side of the Bumper. Snug but do not tighten hardware.
- 14. Level and adjust the bumper and fully tighten all 12mm hardware to 65-70ft-lbs.

15. Models with fog lights:

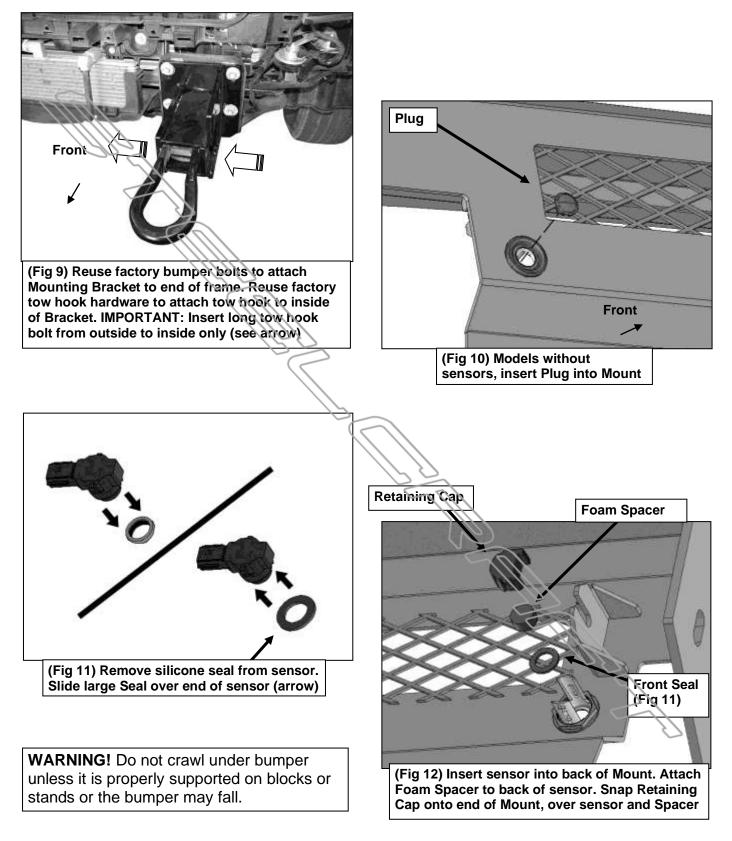
- a. Slide the driver/left fog light into place through the opening in the bumper, (Figure 15). Carefully push the attaching posts into the tabs on the bumper, (Figure 16). Repeat this Step to install the passenger/right fog light.
- **b.** Plug harness into fog lights.
- **16.** Use the included (2) push-in Plastic Nuts to attach the front license plate, (if required), to the (2) holes in the front Bumper, **(Figure 17)**.
- **17.** Back of Bumper is equipped with mounting tabs for LED center light. Follow manufacturer's installation and wiring instructions for proper installation.
- **18.** 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 Front Bumper assembly.





Driver Side Installation Pictured



Driver side installation pictured

