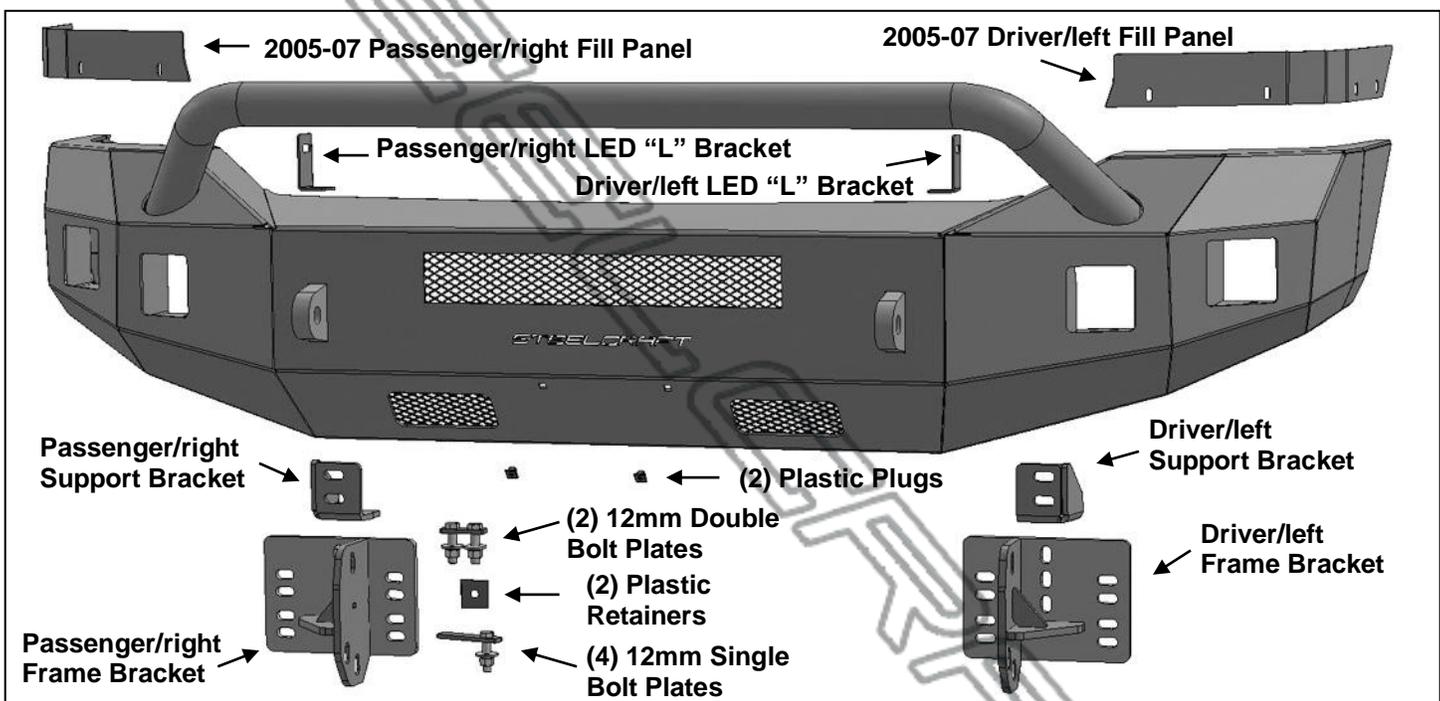


**FORTIS BULLNOSE FRONT BUMPER
1999-2007 FORD SUPERDUTY**

PARTS LIST:

1	Fortis Bullnose Front Bumper	14	12-1.75mm x 50mm Hex Bolts
1	Driver/left Frame Bracket	36	12mm x 32mm x 3mm Flat Washers
1	Passenger/right Frame Bracket	22	12mm Lock Washers
1	Driver/left Support Bracket	22	12mm Hex Nuts
1	Passenger/right Support Bracket	2	8-1.25mm x 25mm Hex Bolts
1	Driver/left Fill Panel (Fits 2005-07 models only)	2	8-1.25mm x 16mm Hex Bolts
1	Passenger/right Fill Panel (Fits 2005-07 models only)	6	8mm x 24mm x 2mm Flat Washers
1	Driver/left LED "L" Bracket	4	8mm Lock Washers
1	Passenger/right LED "L" Bracket	2	8mm Hex Nuts
2	License Plate Plugs	8	6-1.0mm x 20mm Hex Bolts
2	12mm Plastic Retainers	16	6mm x 12mm x 1.6mm Flat Washers
2	12mm x 50mm Double Bolt Plates	8	6mm Nylon Lock Nuts
4	12mm x 50mm Single Bolt Plates		



PROCEDURE:

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

1. Remove the license plate. On models with factory fog lights, unplug both lights. Release wiring harness from the clips attached to the back of the bumper, **(Figure 1)**. Move harness away from bumper.
2. On **1999-04** models only, remove the lower cross member bumper support if equipped, **(Figures 2A & 2B)**.
3. Remove the hardware attaching the outer bumper supports on each end of the bumper to the side of the frame, **(Figure 3)**.
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 the front, remove the (4) factory bumper bolts, **(Figures 4 & 5)**. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Carefully slide the bumper off over the tow hooks.
5. Remove the driver/left tow hook, **(Figure 6)**. **NOTE:** Tow hooks cannot be reinstalled.
6. Select the Driver/left Support Bracket, **(Figure 7)**. Insert (1) 12mm Double Bolt Plate into and through the back of the Support Bracket and out through the front. Thread (1) 12mm Plastic Retainer onto the

**FORTIS BULLNOSE FRONT BUMPER
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Bolt Plate and tight against the Bracket, **(Figure 7)**. **NOTE:** The Plastic Retainer is used to help prevent the Bolt Plate from being pushed out of the Support Bracket and to aid in Frame Bracket installation.

7. Insert the Support Bracket with Double Bolt Plate into the end of the frame, **(Figure 8)**. Insert (2) 12mm Single Bolt Plates into and down through the Support Bracket and out the bottom of the frame, **(Figure 9)**. Secure the Bracket to the bottom of the frame with the included (2) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, **(Figures 10 & 11)**. Do not fully tighten hardware.
8. Select the Driver/left Frame Bracket. Determine year of vehicle.
 - a. **On 1999-04 models**, use **Figure 12** to determine the correct lower mounting slots for Frame Bracket installation.
 - b. **On 2005-07 models**, use **Figure 13** to determine the correct upper mounting slots for frame Bracket installation.
9. Attach the Driver/left Frame Bracket to the Double Bolt Plate in the Support Bracket with (2) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, **(Figure 14)**. Secure the Frame Bracket to the end of the frame with (4) 12mm x 50mm Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, **(Figure 15)**. Do not fully tighten hardware.
10. Repeat **Steps 5—9** for passenger/right side Support & Frame Bracket installation.
11. **On 2005-07 models ONLY**, select the Driver/left Fill Panel. Use the included (4) 6mm Hex Bolts, (8) 6mm Flat Washers and (4) 6mm Nylon Lock Nuts to attach the Fill Panel to the top of the Bumper, **(Figures 16 & 17)**. **NOTE:** The Fill Panel is used to fill in the gap between the top of the Bumper and bottom of the headlight. Repeat this **Step** for 2005-07 passenger/right side Fill Panel installation.
12. **Center LED light installation (sold separately)**.
 - a. Select the Left/Right “L” Brackets, **(Figure 18)**. Attach the Brackets to the top of the (2) mounting tabs welded onto the back of the Bumper with the included 8mm x 25mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts. Leave loose at this time.
 - b. Attach the LED light assembly to the “L” Brackets with the included (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Figure 18)**. Do not fully tighten hardware at this time. **IMPORTANT:** “L” Brackets are designed for 8mm light mounting hardware only. Modify “L” Brackets if necessary or use brackets supplied by the light manufacturer, if possible, to install hardware larger than 8mm.
 - c. Follow light manufacturer’s instructions to properly wire the light to the vehicle.
13. With assistance, carefully position the Bumper Assembly up to the inside of the Frame Brackets.
WARNING: To avoid possible injury or damage to the vehicle, do not proceed until the bumper is fully and safely supported.
14. Attach the Bumper to the Brackets with the included (6) 12mm x 50mm Hex Bolts, (12) 12mm Flat Washers, (6) 12mm Lock Washers and (6) 12mm Hex Nuts, **(Figure 19)**. Do not tighten hardware.
15. Level and adjust Bumper side to side. Temporarily remove the Bumper and fully tighten all Mounting Bracket to Support Bracket and to frame hardware. Reinstall the Bumper and fully tighten all hardware.
NOTE: Bumper must be removed to tighten the Support Bracket to Mounting Bracket hardware.
16. Use the provided (2) Plastic Plugs to attach the license plate to the front of the Bumper, **(Figure 20)**.
17. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

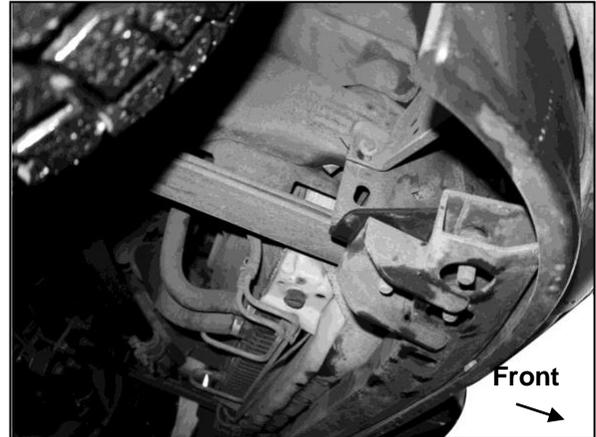
To protect your investment, Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Bumper Assembly.

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Driver/left Side Installation Pictured



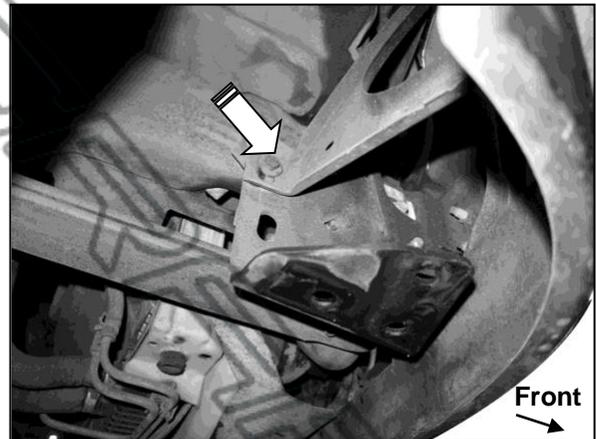
(Fig 1) Unplug wire harness behind bumper leading to fog lights if equipped



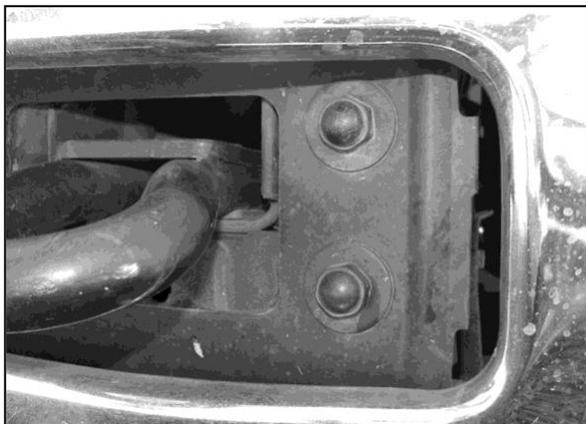
(Fig 2A) On 1999-04 Models equipped with lower cross member bumper support, remove crossmember.



(Fig 2B) Example of 1999-04 crossmember



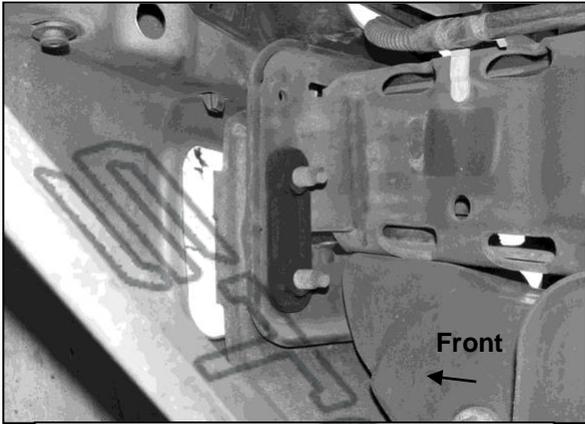
(Fig 3) Remove outer bumper supports attaching ends of bumper to frame (passenger/right side pictured)



(Fig 4) Remove factory bumper bolts

WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or it may fall.

Driver/left Side Installation Pictured

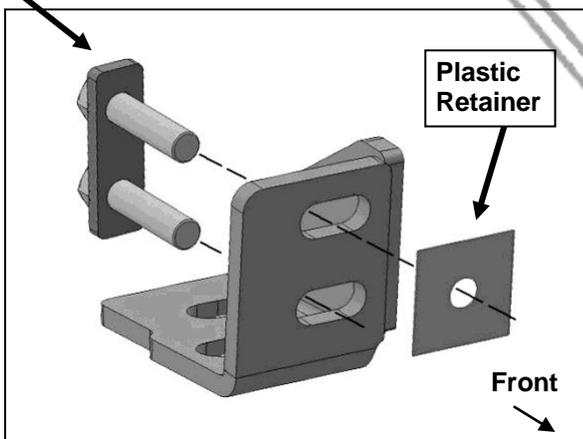


(Fig 5) Double nut plate behind bumper

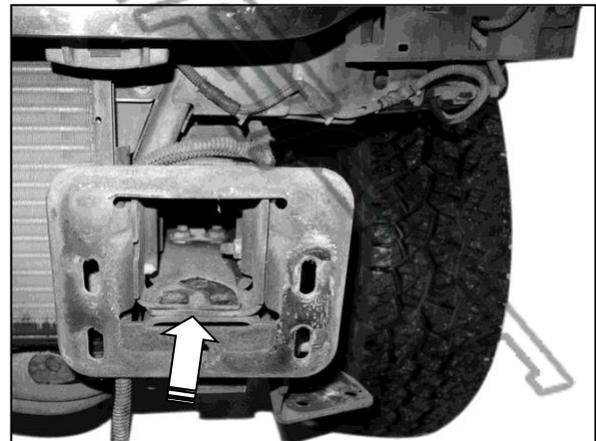


(Fig 6) Remove factory tow hook

12mm Double Bolt Plate



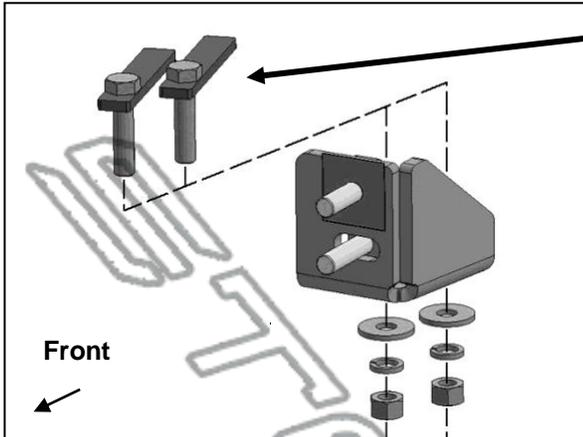
(Fig 7) Driver/left Support Bracket with (1) Insert Double Bolt Plate through back of driver/left Support Bracket. Thread Plastic Retainer onto Bolt Plate to hold in place



(Fig 8) Driver/left side frame mounting location

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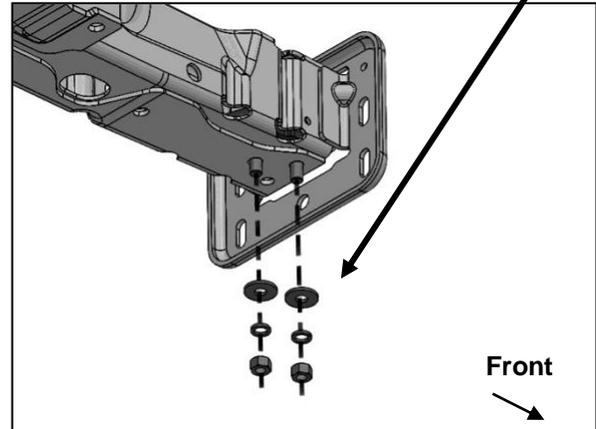
Driver/left Side Installation Pictured



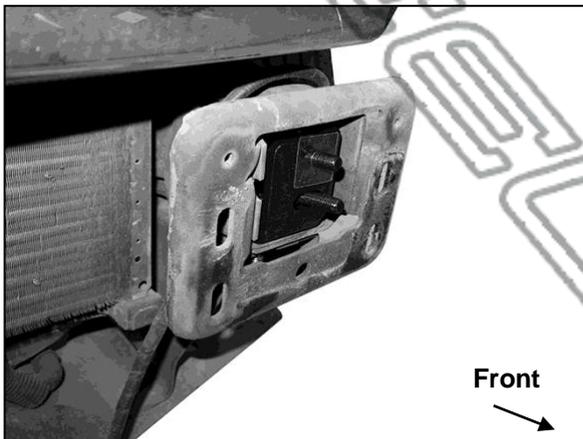
(2) 12mm Single Bolt Plates

(2) 12mm Flat Washers
(2) 12mm Lock Washers
(2) 12mm Hex Nuts

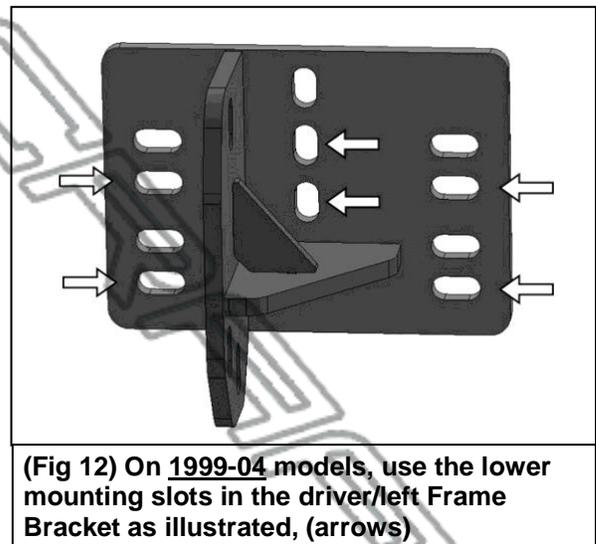
(Fig 9) Insert (2) Single Bolt Plates down through Support Bracket and holes in frame Bracket



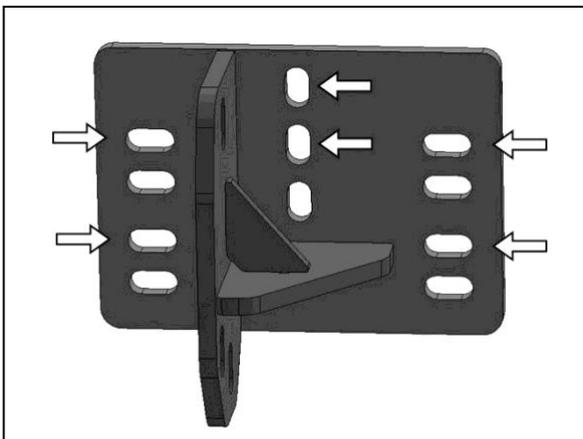
(Fig 10) Insert the Driver/left Support Bracket into the frame. Insert (2) Single Bolt Plates into and down through the holes in the frame.



(Fig 11) Driver/left Support Bracket installed



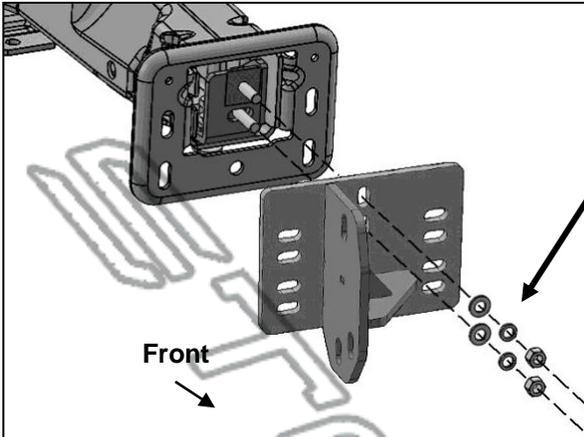
(Fig 12) On 1999-04 models, use the lower mounting slots in the driver/left Frame Bracket as illustrated, (arrows)



(Fig 13) On 2005-07 models, use the upper mounting slots in the driver/left Frame Bracket as illustrated, (arrows)

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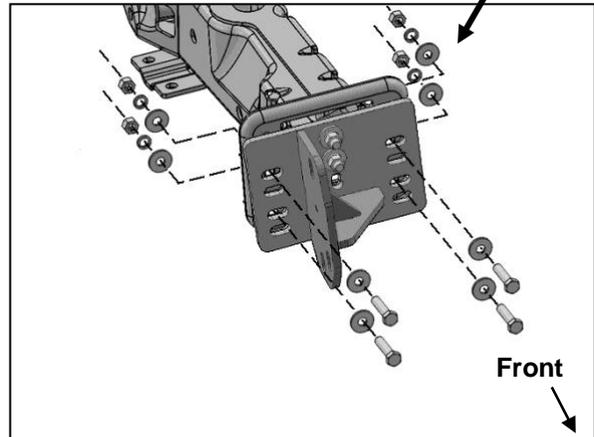
Driver/left Side Installation Pictured



- (2) 12mm Flat Washers
- (2) 12mm Lock Washers
- (2) 12mm Hex Nuts

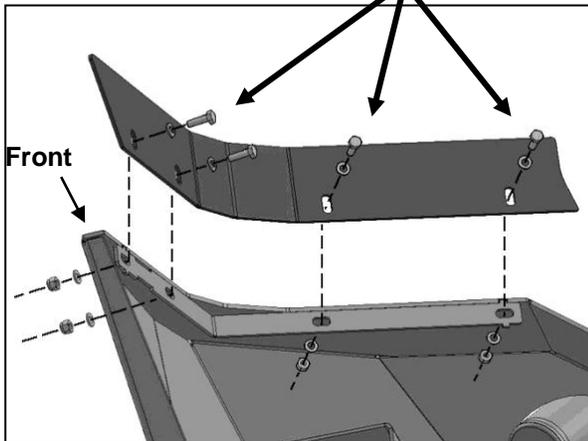
(Fig 14) Attach Frame Bracket to Bolt Plate in Support Bracket. 2005-07 Driver/left side illustrated for example

- (4) 12mm x 50mm Hex Bolts
- (8) 12mm Flat Washers
- (4) 12mm Lock Washers
- (4) 12mm Hex Nuts

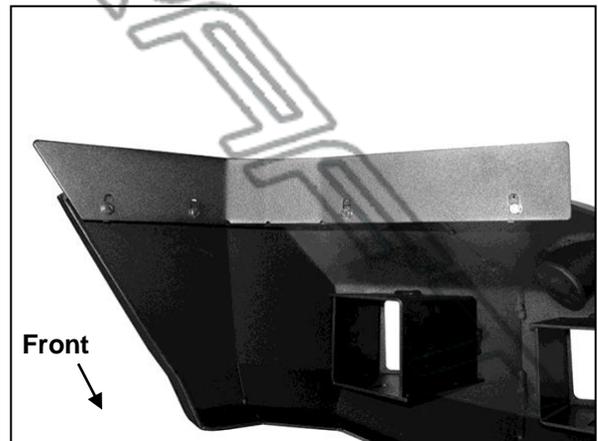


(Fig 15) Attach Frame Bracket frame. 2005-07 Driver/left side illustrated for example

- (4) 6mm Hex Bolts
- (8) 6mm Flat Washers
- (4) 6mm Nylon Lock Nuts



(Fig 16) 2005-07 models only, attach Fill Panels to top of Bumper. Driver/left illustrated



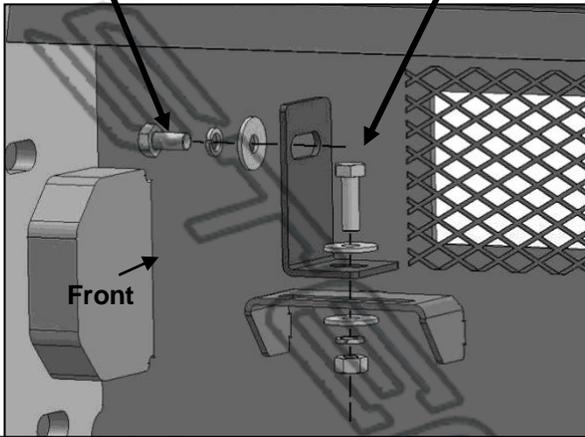
(Fig 17) 2005-07 models only, attach Fill Panels to top of Bumper. Driver/left illustrated

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Driver/left Side Installation Pictured

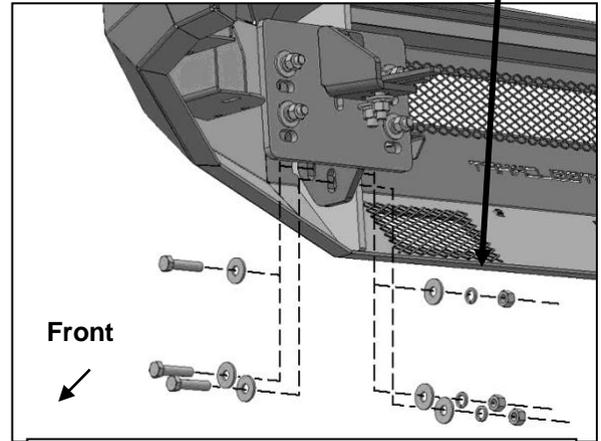
8mm x 16mm Hex Bolt
8mm Lock Washer
8mm Flat Washer

8mm x 25mm Hex Bolt
(2) 8mm Flat Washers
8mm Lock Washer
8mm Hex Nut



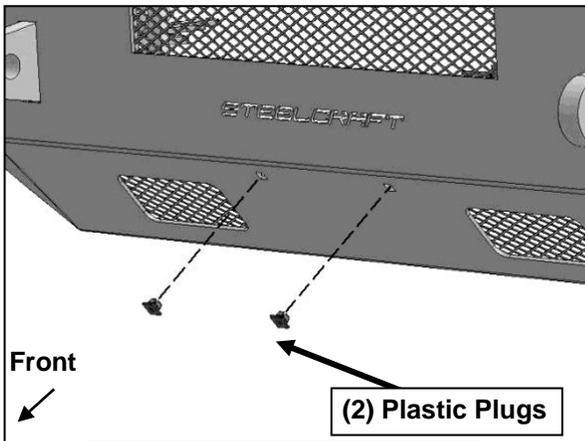
(Fig 18) Attach Left/Right LED Brackets to tabs on back of Bumper (left side illustrated)

(3) 12mm x 50mm Hex Bolts
(6) 12mm Flat Washers
(3) 12mm Lock Washers
(3) 12mm Hex Nuts



(Fig 19) Attach Driver/left side of Bumper to inside of Frame Bracket

WARNING! Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.



(Fig 20) Push Plastic Plugs into Bumper for license plate



Complete Installation