



AUTOMOTIVE PRODUCTS, INC.

# INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2011–12 GMC SIERRA 2500/3500 HD excl. DENALI MODEL

APP PART # 40-3665, 45-3660

SPORTSMAN GRILLE GUARD

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	GRILLE GUARD	18MM SOCKET
2,3	2	FRAME MOUNTING BRACKET (2) DRIVERS SIDE, (3) PASSENGER SIDE	16MM SOCKET
4,5	2	TOP SUPPORT BRACKET (4) DRIVERS SIDE, (5) PASSENGER SIDE	RATCHET
6,7	2	TOP MOUNTING BRACKET	TORQUE WRENCH
8	10	M12 HEX HEAD BOLTS	ALLEN TOOL (INCLUDED)
9	10	M12 LOCK WASHERS	
10	20	M12 FLAT WASHERS	
11	10	M12 HEX NUTS	
12	8	M10 HEX HEAD BOLTS	
13	2	M10 BUTTON HEAD BOLTS	
14	8	M10 LOCK WASHERS	
15	8	M10 LARGE FLAT WASHERS	
16	4	M10 SMALL FLAT WASHERS	
17	2	M10 NYLOCK NUTS	

1. Remove contents from box, verify all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation.
2. Start installation under the passenger side-front of the vehicle. Remove the two factory bolts holding the tow hook in place and remove the tow hook from the vehicle, (Figure 1). NOTE: To protect the plastic bumper cover from damage during Grille Guard and Bracket installation, apply a protective layer of removable tape, (masking tape for example), to the inside of the openings in the bumper for the tow hooks, (Figure 2).
3. Select the passenger side Frame Mounting Bracket. Insert the Bracket through the opening for the tow hook and up to the outside of the frame channel. Line up the (2) holes in the Bracket with the holes for the tow hook hardware. Reinstall the tow hook, (Figure 2). Insert the (2) factory bolts through the Mounting Bracket and tow hook, (Figure 3). Do not tighten hardware at this time. IMPORTANT: On vehicles without tow hooks, it may be necessary to cut-out the openings in the plastic bumper cover for Bracket and Grille Guard clearance. Hex Bolts have been provided to bolt the Bracket to the frame channel. Use the included (2) M12 Hex Bolts, (4) M12 Flat Washers, (2) M12 Lock Washers and (2) M12 Hex Nuts to bolt the Bracket to the frame, (Figure 4). Do not tighten hardware at this time.
4. Repeat Steps 2 - 3 for driver side Frame Mounting Bracket installation.
5. From underneath the front bumper, pull back the side of the rubber air deflector between the bumper and the crossmember. Look up through the opening to locate the 2-bolt tab on the top of the bumper bracket, (Figures 5 & 6). Select the passenger side Top Support Bracket, (Figure 7B). Place the Bracket in position on top of the tab. Bolt the Bracket to the tab by inserting the included (2) M10 Hex Bolts, (2) M10 Lock Washers and (2) M10 Large Flat Washers up through the tab and into the welded hex nuts on the Bracket, (Figure 7A). Snug but do not tighten hardware at this time.



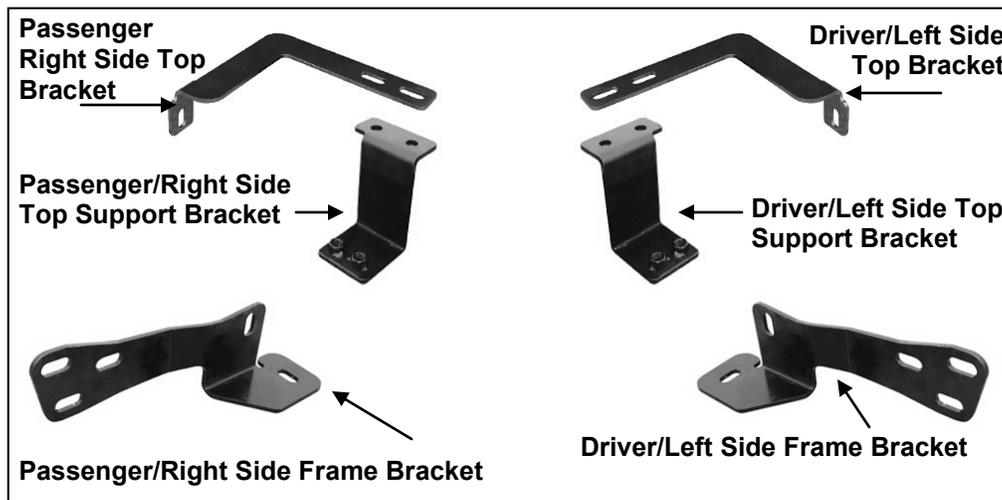
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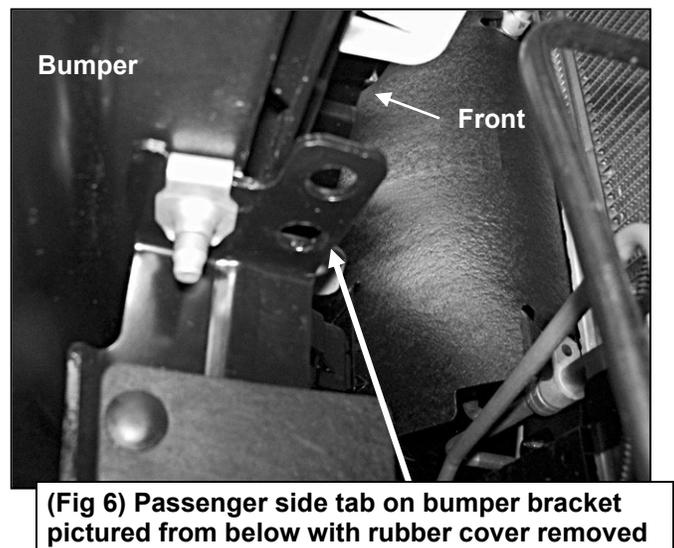
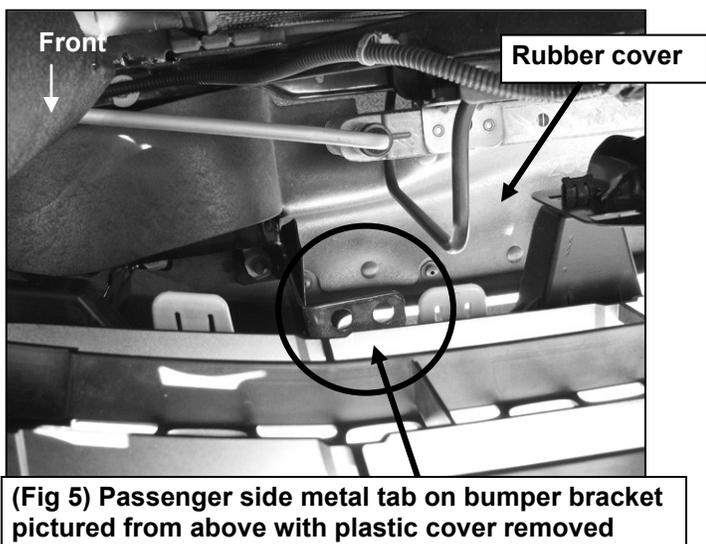
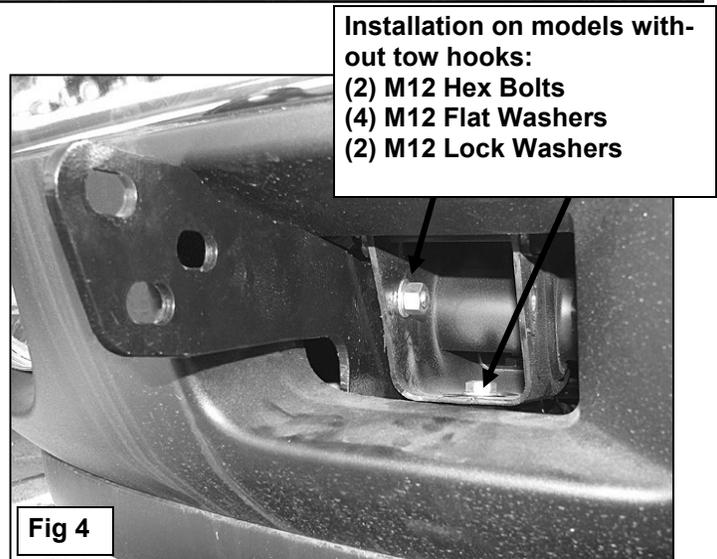
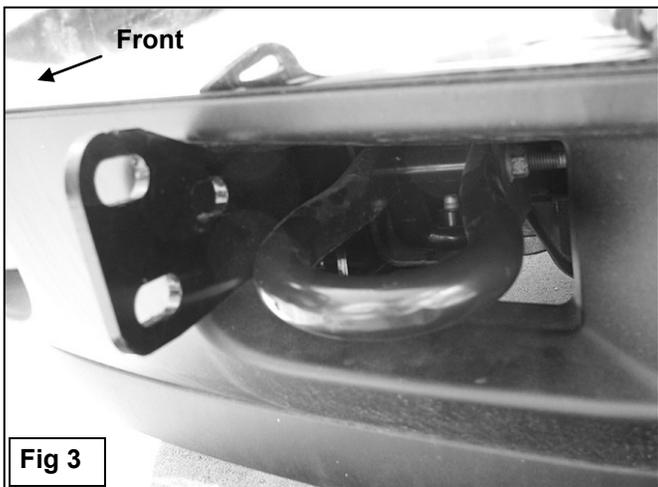
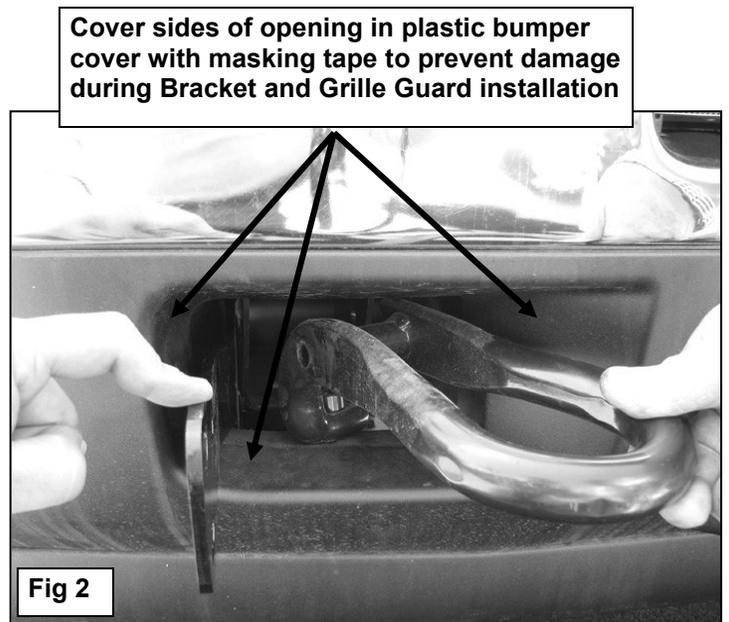
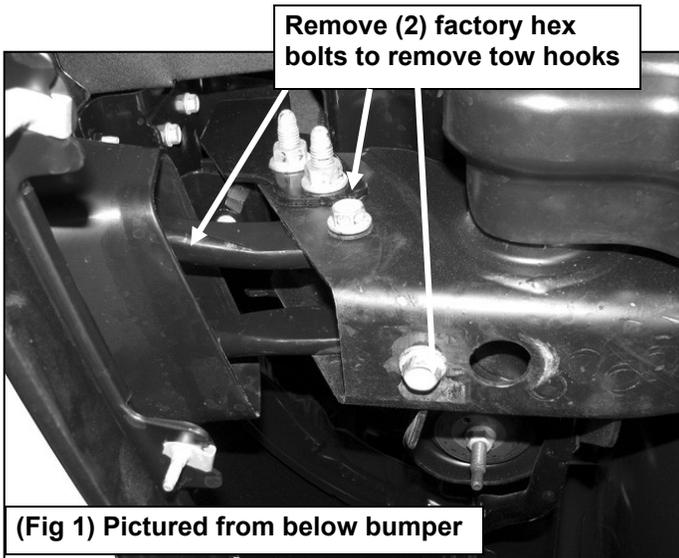
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6. Select the passenger side Top Bracket. Insert the Top Bracket through the opening in the bottom of the grille and line up the (2) mounting holes with the threaded holes in the top of the Support Bracket. Bolt the Top Bracket to the Support Bracket with (2) M10 Hex Bolts, (2) M10 Lock Washers and (2) M10 Large Flat Washers, (Figures 8 & 9). Do not tighten hardware at this time. Repeat Steps 5 & 6 for driver side Top Bracket installation.
7. With assistance, hold the Grille Guard up to the outside of the Frame Mounting Brackets. Align the holes in the Frame Mounting Brackets with the Grille Guard and bolt together using the included (6) M12 Hex Bolts, (12) M12 Flat Washers, (6) M12 Lock Washers and (6) M12 Hex Nuts, (Figure 10). Do not tighten hardware at this time.
8. Attach the Grille Guard to both Top Brackets using the included (2) M10 Button Head Bolts, (4) M10 Small Flat Washers and (2) M10 Nylon Lock Nuts, (Figure 11). NOTE: Insert the M10 Button Head Bolts with M10 Flat Washers in from the outside of the Grille Guard. Do not tighten at this time.
9. Level and adjust the Grille Guard and tighten all hardware. Torque all M12 fasteners to 50 ft lbs, and M10 to 35 ft lbs.

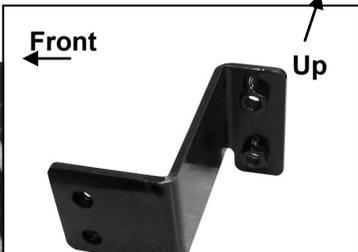
#### CARE INSTRUCTIONS

- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER

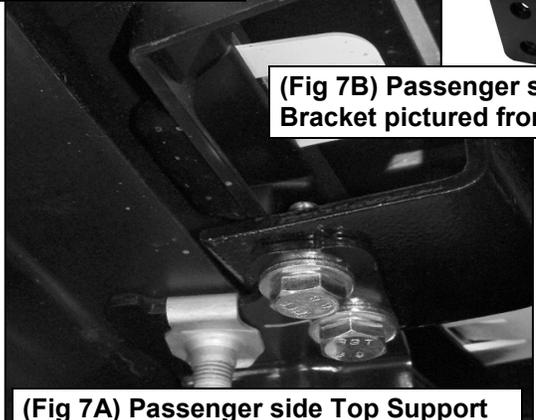




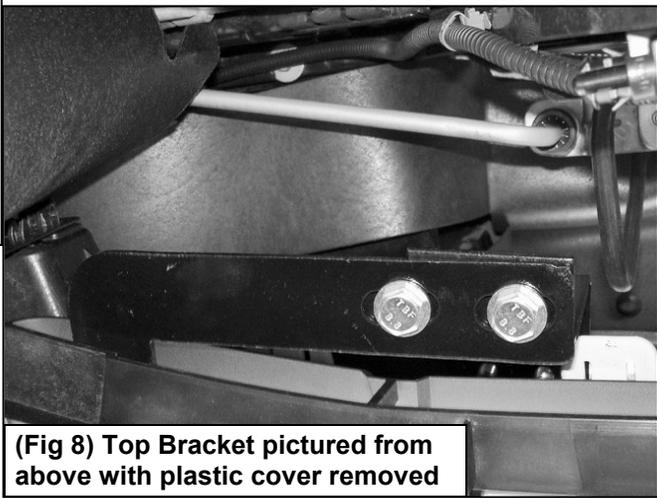
- M10 Hex Bolts
- M10 Lock Washers
- M10 Flat Washers



(Fig 7B) Passenger side Top Support Bracket pictured from below



(Fig 7A) Passenger side Top Support Bracket pictured from below



(Fig 8) Top Bracket pictured from above with plastic cover removed

- (2) M10 Hex Bolts
- (2) M10 Lock Washers
- (4) M10 Flat Washers

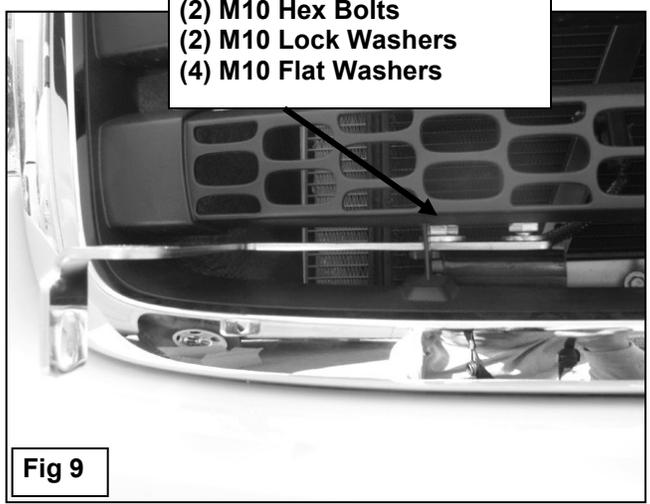


Fig 9

- (3) M12 Hex Bolts
- (6) M12 Flat Washers
- (3) M12 Lock Washers
- (3) M12 Hex Nuts



Fig 10

- M10 Button Head Bolt
- (2) M10 Flat Washers
- M10 Nylon Lock Nut

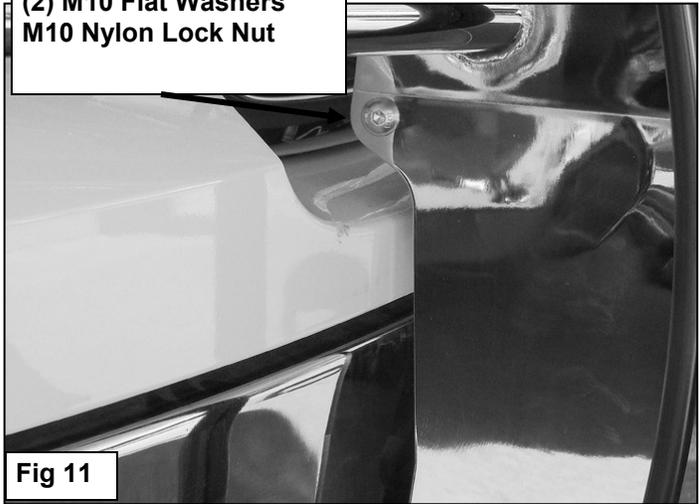


Fig 11



Complete Installation