



INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2007-2011 TOYOTA TUNDRA
PART # 57-2230, 57-2235
HDX GRILLE GUARD

SIGNATURE OF QUALITY

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	GRILLE GUARD	18MM SOCKET
2,3	2	FRAME MOUNTING BRACKET 2(DRIVERS SIDE), 3 (PASSENGER SIDE)	RATCHET
4,5	2	TOP BRACKET 4(DRIVERS SIDE), 5(PASSENGER SIDE)	TORQUE WRENCH
6	6	M12 HEX HEAD BOLTS	
7	6	M12 LOCK WASHERS	
8	6	M12 HEX NUTS	
9	12	M12 FLAT WASHERS	

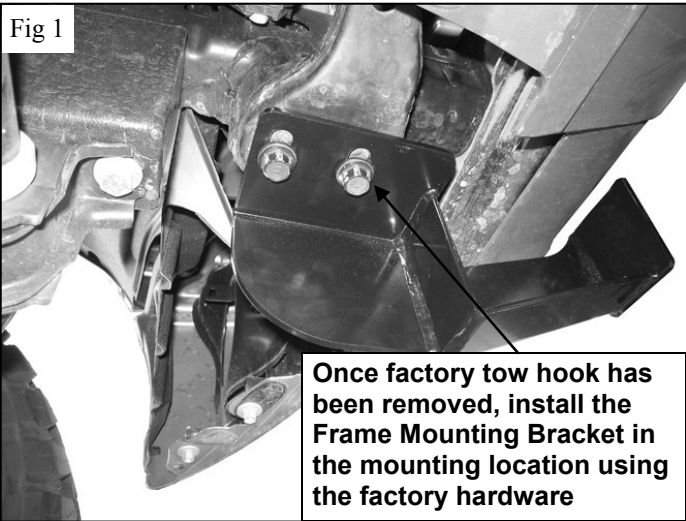
1. Remove all contents from box, verify all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation.
2. Remove the factory tow hooks from the vehicle, if equipped. This Grille Guard is not compatible with the factory tow hooks and they will not be reinstalled.
3. Select the driver side Frame Bracket and bolt it to the tow hook location on the frame using the factory tow hook bolts, (Figure 1). Snug but do not tighten hardware.
4. Locate the (3) factory bumper mount bolts at the end of each frame rail. Remove the top two hex nuts from the bumper mount bolts, (Figure 2).
5. From behind the bumper, slide the driver side Top Bracket out through the bumper air intake with the 90-degree bent end pointing down. Line up the slots in the bent end of the Top Bracket with the factory bumper mount bolts and secure it with the previously removed hex nuts, (Figure 2). Snug but do not tighten hardware at this time.
6. NOTE: For 2010 vehicles, it may be necessary to remove, (cut out), the horizontal plastic bar from the air intake opening, (Figure 3). Hold the Top Bracket in position to determine area to be removed.
7. Repeat steps 3-5 for passenger side.
8. With help, position the Grille Guard up to Mounting Brackets. Use the included (4) M12 Hex Bolts, (4) M12 Lock Washers, (8) M12 Flat Washers and (4) M12 Hex Nuts to attach the Grille Guard to the Mounting Brackets, (Figure 4). Do not tighten at this time.
9. Attach the Grille Guard to the Top Brackets using the included (2) M12 Hex Bolts, (2) M12 Lock Washers, (4) M12 Flat Washers and (2) M12 Hex Nuts, (Figure 5). Do not tighten at this time. NOTE: Attach the Top Bracket to the top of the tab on the Grille Guard.
10. Align and adjust Grille Guard as needed then tighten all hardware. Torque all M12 fasteners to 45-50 ft lbs



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Fig 1

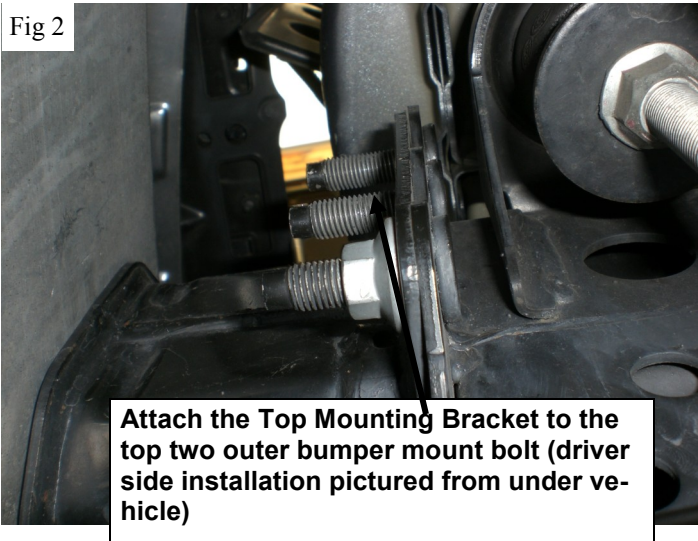


Once factory tow hook has been removed, install the Frame Mounting Bracket in the mounting location using the factory hardware

Fig 4



Fig 2

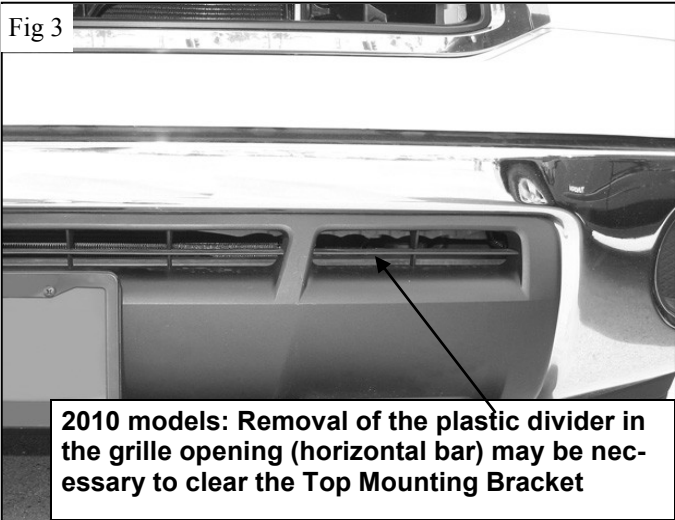


Attach the Top Mounting Bracket to the top two outer bumper mount bolt (driver side installation pictured from under vehicle)

Fig 5



Fig 3



2010 models: Removal of the plastic divider in the grille opening (horizontal bar) may be necessary to clear the Top Mounting Bracket

