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# INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2007-ON TOYOTA TUNDRA/ 2008-ON TOYOTA SEQUOIA  
PART NUMBERS: 40-2235, 45-2230,

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	GRILLE GUARD	16MM WRENCH
2,3	2	MOUNTING BRACKET (2) DRIVERS SIDE, (3) PASSENGER SIDE	16MM SOCKET
4,5	2	TOP BRACKET (4) DRIVERS SIDE, (5) PASSENGER SIDE	18MM WRENCH
6,7	2	TOP SUPPORT BRACKET (6) DRIVERS SIDE, (7) PASSENGER SIDE	18MM SOCKET
8	2	M10 DOUBLE NUT BOLT PLATES	9/16" WRENCH
9	2	3/8" QUICK RELEASE BOLTS	9/16" SOCKET
10	4	3/8" PLASTIC WASHERS	RATCHET
11	4	3/8" FLAT WASHERS	TORQUE WRENCH
12	2	3/8" NYLOCK NUTS	
13	4	M12 PLASTIC WASHERS	
14	4	M12 X 35MM HEX HEAD BOLTS	
15	4	M12 LOCK WASHERS	
16	4	M12 FLAT WASHERS	
17	4	M10 X 35MM HEX HEAD BOLTS	
18	4	M10 LOCK WASHERS	
19	8	M10 FLAT WASHERS	
20	4	M10 NYLOCK NUTS	

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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. Starting from the underside of the front of the vehicle, remove the factory tow hooks and set them aside.
3. Partially install the drivers side mounting bracket in position by partially threading the two factory bolts into there location. The tow hooks can be re installed by placing them over the mounting brackets and using the factory bolts to tattach them.
4. Open the hood and locate the two factory holes facing forward on the drivers side of the bottom radiator core support cross member . From the back of the core support insert (1) double bolt plate.
5. Locate the drivers side top support bracket and move it into position. Align the previously installed bolt plate with the mounting holes on the bracket. Secure the bracket to the bolt plate with (2) M10 nylock nuts and, (2) M10 flat washers. Do not fully tighten at this time.
6. Insert the drivers side top bracket into the bumper intake and atytach it to the top support bracket using (2) M10 X 35MM hex head bolts, (2) M10 lock washers and, (2) M10 flat washers. Follow steps 4-6 for the passenger side.
7. Place the grille guard facedown on a clean surface making sure not to damage the finish. Position the mounting tabs on the grille guard up to the outside of t he drivers side mounting bracket and line up the lower hole in the mounting bracket with the lower hole in the grille guard. Insert (1) M12 plastic washer between the mounting bracket and the grille guard and bolt together using (1) M12 X 35MM hex bolt, (1) M12 lock washer and, (1) M12 flat washer. Repeat t his step for the passenger side. Do not fully tighten hardware at this time.
8. Use the two previously installed hex bolts as hinges and rotate the grille guard up to the vehicle. Line up the two remaining holes in the mounting brackets with the holes in the grille guard. Insert a M12 plastic washer between mounting bracket and grille guard on both sides of the vehicle as described in the above step. Line up the holes and attach with (2) M12 X 35MM hex bolts, (2) M12 lock washers and, (2) M12 flat washers. Do not fully tighten hardware at this time.
9. Line up the slotted hole in the top bracket with the hole in the grille guard. Insert (1) 3/8" plastic washer between the top bracket and the grille guard. Line up the hole in the plastic washer with the hole in the grille guard and the slot in the top bracket. Insert (1) 3/8" quick release bolt and (1) 3/8" flat washer through the grille guard, plastic washer and top bracket. Secure the quick release bolt with (1) 3/8" plastic washer, (to protect the finish on the top Bracket), (1) 3/8" flat washer and (1) 3/8" nylock nut. Do not fully tighten hardware at this time repeat this step for passenger side.
10. Pull the grille guard to the open position level the grille guard and tighten all hardware at this time.
11. Close the hood to check for clearance. Release the quick release bolts on the top brackets. Try to puch the grille guard into the closed position if needed loosen the upper bolt on each mounting bracket.
12. Push the grille guard back as far as possible and tighten all hardware.
13. To open the hood rotatae the lever on the quick release bolt to release the clamping pressure. Pull on the grille guard to the open position. Carefully pull on the grille guard until it fully extends away from the vehicle.
14. Pull on the hood release and open the hood.



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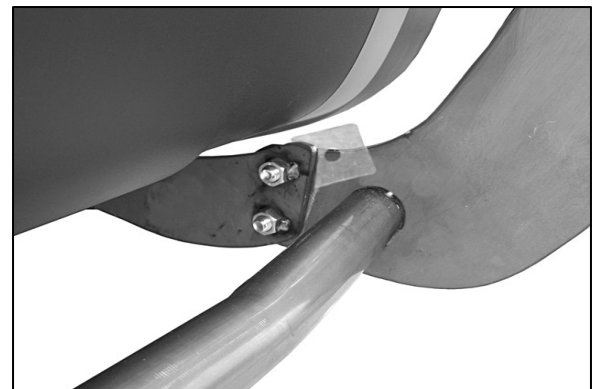
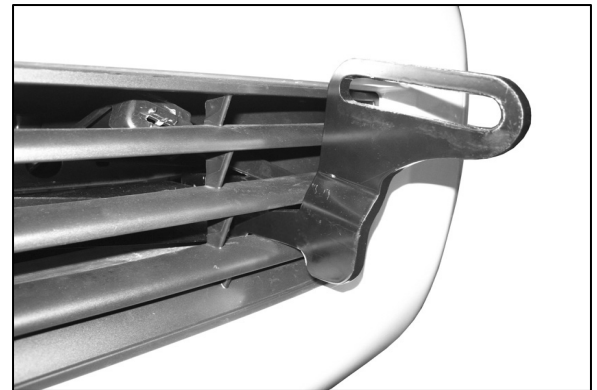
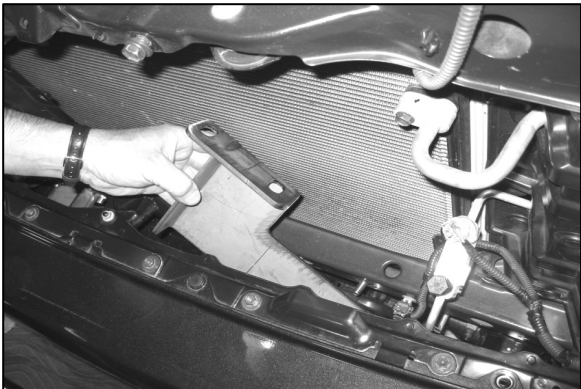
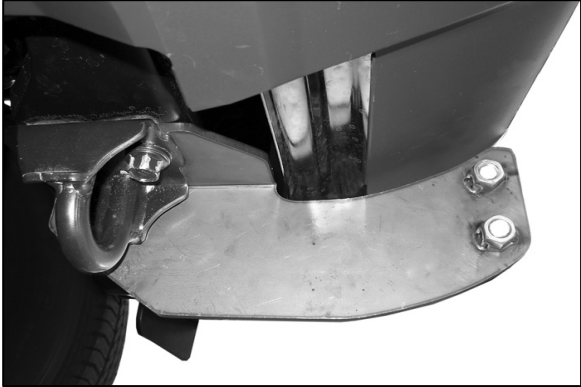
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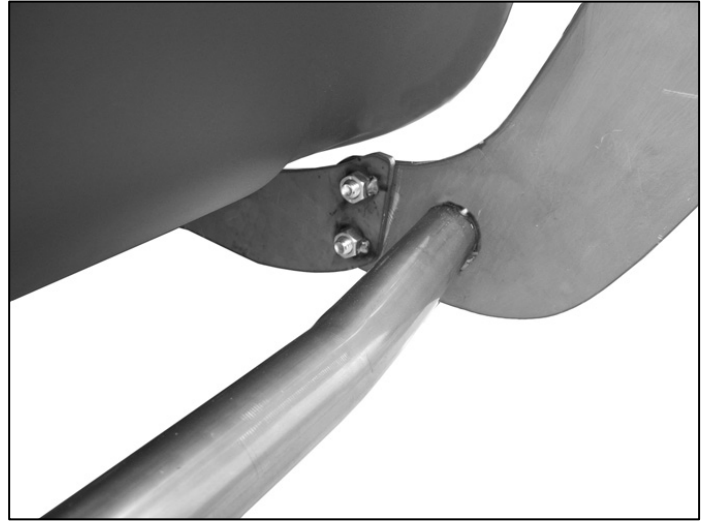
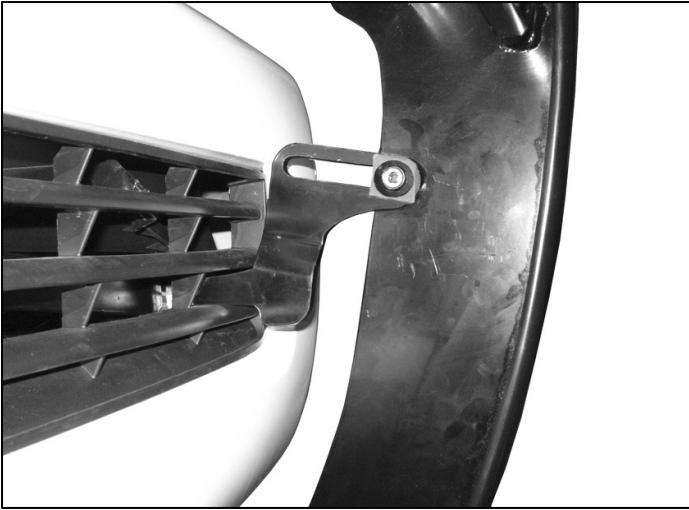
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