

INSTRUCTIONS

APPLICATION: 2010-ON TOYOTA 4 RUNNER PART # 45-3600, 40-3605

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRITION	TOOLS NEEDED
1	1	GRILLE GUARD	18MM SOCKET AND RATCHET
2,3	2	FRAME MOUNTING BRACKET (2) DRIVERS SIDE, (3) PASSENGER SIDE	13MM SOCKET AND RATCHET
4	2	TOP MOUNTING BRACKETS	TORQUE WRENCH
5	4	M12 X 1.75 X 30MM HEX HEAD BOLTS	
6	8	M12 FLAT WASHERS	
7	4	M12 LOCK WASHERS	
8	4	M12 HEX NUTS	
9	2	M8 X 1.25 X 30MM BUTTON HEAD BOLTS	
10	2	M8 X 1.25 X 30MM HEX HEAD BOLTS	
11	6	M8 X 24MM OD FLAT WASHERS	
12	2	M8 X 16MM OD FLAT WASHER	
13	4	M8 NYLOCK NUTS	
14	1	BLACK FOAM TAPE	

- 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. From underneath the front of the vehicle, remove the drivers side and passenger side plastic splash guards and set aside (Fig 1).
- 3. Starting on the drivers side, remove the three factory bumper mount bolts (located toward the outside of the bumper mount). Take the drivers side frame mounting bracket and insert it into the opening in the back of the bumper cover. Line up the three slots in the mounting bracket with the three bolt locations, secure the mounting bracket to the frame using the factory hardware. Do not fully tighten at this time. Repeat this step for the passenger side (Fig 2 & 3).
- 4. Open the hood and remove the plastic cover between the top of the radiator and the grille.
- 5. Take (2) top support brackets and apply the black foam tape to the underside to prevent any damage to the bumper.
- 6. Remove the two plastic clips that hold the bottom of the grille insert into the cross member. Take one top support bracket and from behind the grille insert it through the opening in the grille insert, line up the hole in the top support bracket with the tab on the cross member and secure with one (item 10) M8 hex head bolt, two (item 11) M8 flat washers, and one (item 13) M8 nylock nut. Repeat this step for the passenger side. Do not fully tighten at this time(Fig 4, 5, & 6).
- Line up the grille guard with the previously installed frame mounting brackets. Attach using four (item 5) M12 hex bolts, eight (item 6) M12 flat washers, four (item 7) M12 lock washers, and four (item 8) M12 hex nuts. Do not fully tighten at this time (Fig 7).
- Push the grille guard back towards the vehicle and line up the top mounting brackets to the holes in the bottom of the cross bar. Attach using two (item 9) M8 button head bolts, two (item 12) M8 flat washer, two (item 13) M8 nylock nuts. Do not fully tighten at this time (Fig 8).
- 9. Take the drivers side splash guard and position it against the frame mounting bracket, mark the are that needs to be cut from the splash guard to clear the bracket. Cut only the minimum amount to clear and then reinstall. Repeat this step for the passenger side.
- 10. Adjust grille guard as needed the tighten al hardware at this time





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Fig 1







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