



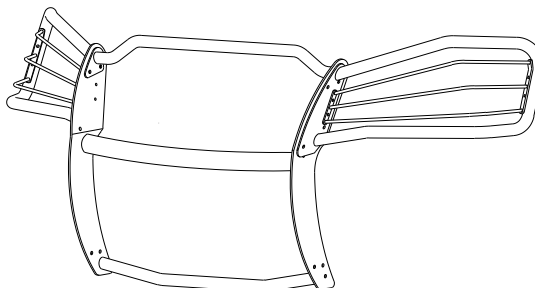
INSTALLATION INSTRUCTIONS

APPLICATION: 2004-UP NISSAN TITAN PICKUP KING & CREW CAB
 2/4 WHEEL DRIVE
 2004-UP NISSAN ARMADA SUV 2/4 WHEEL DRIVE

AUTOMOTIVE PRODUCTS, INC.

SPORTSMAN
ASSEMBLY

41-1485
44-1480



PARTS KIT CONTENTS

ITEM	QTY	DESCRIPTION	ITEM	QTY	DESCRIPTION
1	2	WING ASSEMBLY	21	2	3/8" LOCK WASHER
2	1	TOP TUBE	22	2	3/8" SS INTERNAL TOOTH LOCK WASHER
3	1	CENTER TUBE	23	4	3/8-16 SS HEX NUT
4	2	LIGHT MOUNT	24	8	3/8-16 SS LOCK NUT
5	1	BOTTOM TUBE	25	4	M12-1.25 X 30MM HEX HEAD BOLT
6	2	UPRIGHT	26	2	M12-1.25 X 60MM HEX HEAD BOLT
7	2	BRACKET, PASSENGER AND DRIVER	27	2	M8-1.25 X 25MM HEX HEAD BOLT
8	2	SUPPORT BRACE, PASSENGER AND DRIVER	28	4	2 3/4" PLASTIC WASHER
9	2	SPACER TUBE	29	2	2.00" FENDER WASHER
10	4	1/2-13 X 1.50" SS FLAT HEAD BOLT	30	2	1 5/8" PLASTIC WASHER
11	2	1/2" SS BLK FLAT WASHER	31	12	1.00" PLASTIC WASHER
12	4	1/2" FLAT WASHER	32	2	3/8-16 X 1.00" SS BLK. HEX HEAD BOLT
13	2	1/2" SS BLK LOCK WASHER	33	2	3/8" SS BLK FLAT WASHER
14	4	1/2" LOCK WASHER	34	2	3/8" SS BLK LOCK WASHER
15	4	3/8-16 X 1.25" SS HEX HEAD BOLT			NOTE: SOME FASTENERS MAY NOT BE USED.
16	6	3/8-16 X 1.25" SS BUTTON HEAD BOLT			
17	10	3/8-16 X 1.00" SS BUTTON HEAD BOLT			
18	24	3/8" SS FLAT WASHER			
19	4	3/8" FLAT WASHER			
20	4	3/8" SS LOCK WASHER			

TOOLS REQUIRED

9/16" SOCKET	9/16" WRENCH	5/16" HEX WRENCH	7/32" HEX WRENCH
19MM SOCKET	19MM WRENCH	17MM SOCKET	17MM WRENCH
13MM SOCKET	12MM SOCKET	FLAT SCREWDRIVER	RATCHET
TORQUE WRENCH			

- STEP 1. Remove the contents from box and check for damage. Verify all parts are present. Read instructions completely before beginning.
- STEP 2. If vehicle is equipped with tow hooks, factory skid plate, or both, they must be removed to complete installation.
NOTE: Removal of factory skid plate will require relocation of the front license plate. Locate the two small impressions in the plastic bumper cover. Drill holes at these locations, then remove license plate bracket from skid plate and attach to bumper.
- STEP 3. Attach brackets as shown. **SEE FIGURE 1.**
- STEP 4. Carefully remove grille from vehicle by removing seven grille clips a 1/4" turn. **SEE FIGURE 2.**

NOTE: Remove clips from front of vehicle and set aside.

- STEP 5. Remove the forward most bumper bolts and attach support brace as shown. Leave loose.
- STEP 6. Determine passenger and driver uprights, center and bottom tubes. **NOTE:** Uprights are positioned so raised side of bolt holes are facing each other. **SEE FIGURE 2.**
- STEP 7. Attach uprights to center and bottom tubes as shown. Level and torque 1/2" fasteners to 60 FT.LBS. and 3/8" fasteners to 30 FT.LBS. **SEE FIGURE 1.** **NOTE:** If needed, Loctite® or similar thread locking product may be applied to center tube fasteners to help prevent them from loosening.
- STEP 8. Attach light mounts to center tube as shown. Torque to 20 FT.LBS. **SEE FIGURE 1.**
- STEP 9. Attach wing assemblies to top tube and uprights as shown. **SEE FIGURE 1.** Leave lower front 3/8-16 x 1.25" ss button head bolt loose. Torque all others to 30 FT.LBS.
- STEP 10. Attach Sportsman to brackets using 3/8" fasteners as shown. Hand tighten. **SEE FIGURE 2.** Center and level Sportsman on vehicle. Tighten all bracket fasteners.
- STEP 11. Remove Sportsman from brackets and reinstall grille by inserting the seven grille clips into the slots. Pinch the wings shut and slide into the clip retainers. **SEE FIGURE 3.**
- STEP 12. Reattach Sportsman to brackets. Torque 3/8" fasteners to 30 FT.LBS; 12mm fasteners to 92 FT.LBS. and 8mm fasteners to 25 FT.LBS.

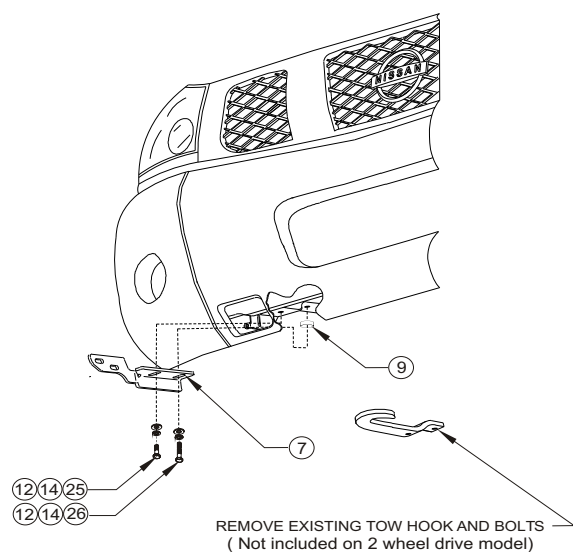


FIGURE 1

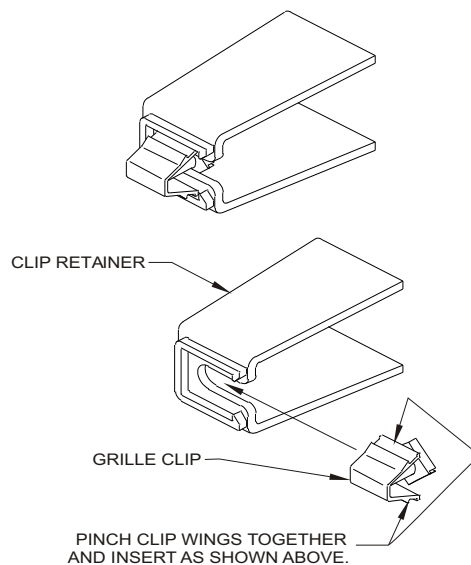


FIGURE 3

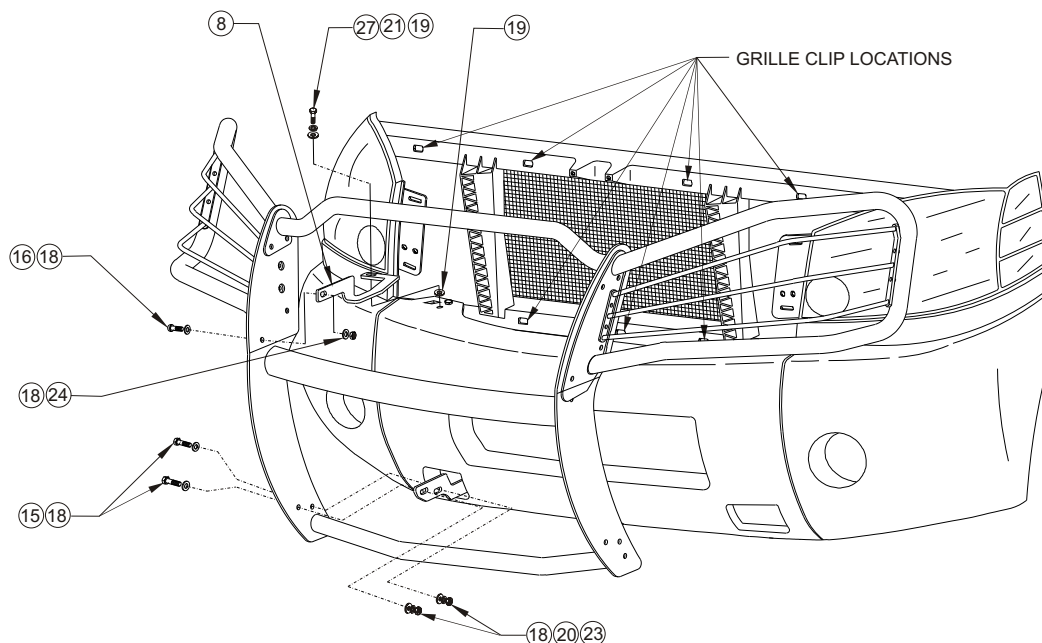


FIGURE 2

(TRUCK SHOWN WITH GRILLE REMOVED)

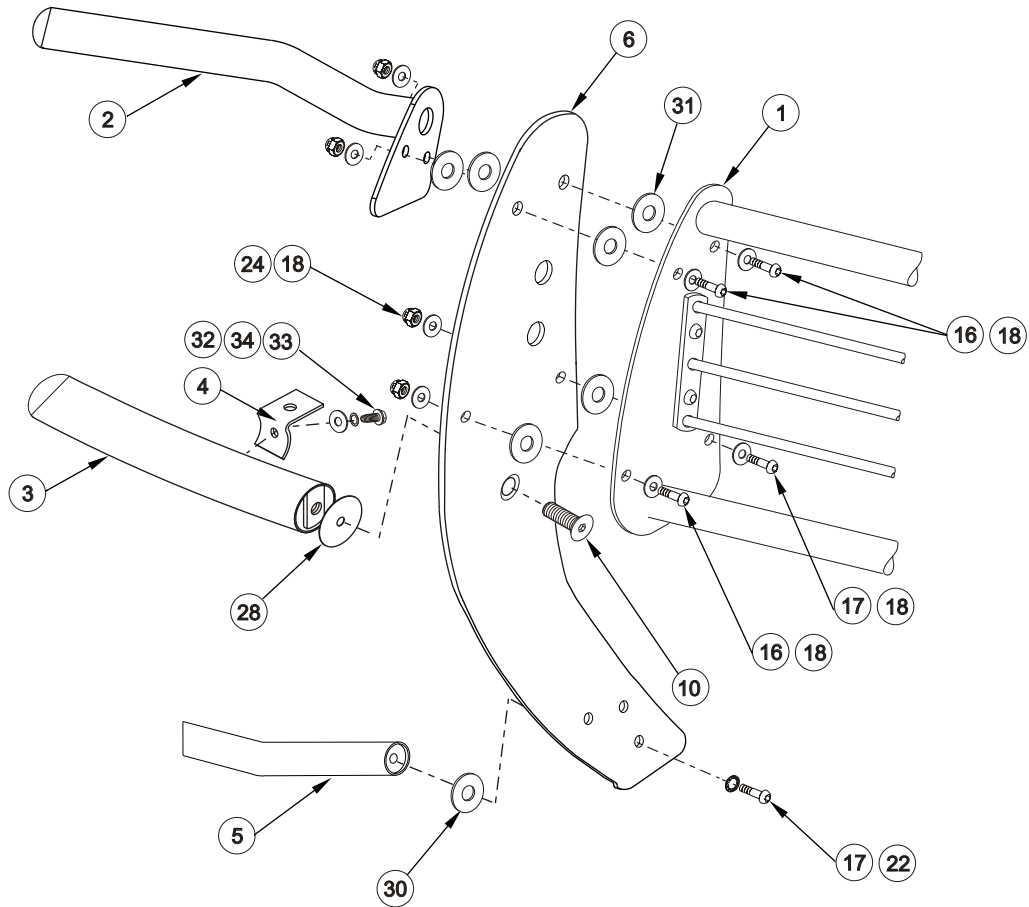


FIGURE 4
INSTALLATION VIEW OF DRIVER SIDE, PASSENGER SIDE OPPOSITE

Finish protection - Westin products have a high quality finish that must be cared for like any other exposed finish on the vehicle. Protect the finish with a non-abrasive automotive wax (pure carnauba, for example) on a regular basis. The use of cleaner wax or any compound which contains an abrasive is detrimental, as the compounds scratch the finish and open it to corrosion.



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Thank You for choosing Westin products
 For additional installation assistance please call
 Customer service (800) 793-7846 or (507) 375-3559