



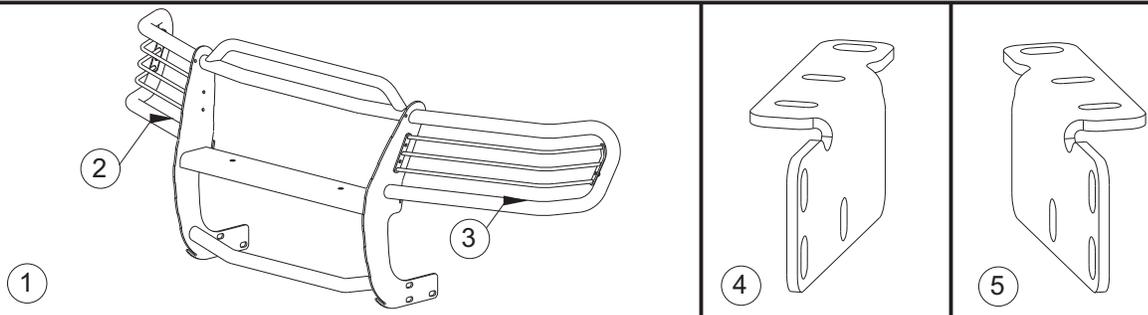
SIGNATURE OF QUALITY

AUTOMOTIVE PRODUCTS, INC.

INSTALLATION INSTRUCTIONS

APPLICATION: 1999-04 JEEP GRAND CHEROKEE/LAREDO 2/4 WHEEL DRIVE
1999-03 JEEP GRAND CHEROKEE LIMITED

SPORTSMAN ASSEMBLY
40-0125



PARTS KIT CONTENTS

ITEM	QTY	DESCRIPTION	ITEM	QTY	DESCRIPTION
1	1	SPORTSMAN ASSEMBLY	12	2	1/2" USS LARGE O.D. FLAT WASHER
2,3	2	LIGHT GUARD ASSEMBLY, PASSENGER (2) AND DRIVER (3)	13	2	1/2" WILLIAMS WASHER (THICKEST WASHER)
4,5	2	MOUNT BRACKET, PASSENGER (4) AND DRIVER (5)	14	2	1/2" LOCK WASHER
6	6	1/2-13 X 1.25" HEX HEAD BOLT, BLACK ZINC	15	2	1/2-13 HEX NUT
7	12	1/2" FLAT WASHER, BLACK ZINC	16	4	3/8-16 X 1.25" HEX HEAD BOLT
8	6	1/2" LOCK WASHER, BLACK ZINC	17	8	3/8" FLAT WASHER
9	6	1/2-13 HEX NUT, BLACK ZINC	18	4	3/8" LOCK WASHER
10	2	1/2-13 X 1.25" HEX HEAD BOLT	19	4	3/8-16 HEX NUT
11	2	1/2" SAE SMALL O.D. FLAT WASHER	20	8	PLASTIC PUSH PIN

TOOLS REQUIRED

3/4" SOCKET	3/4" WRENCH	9/16" SOCKET	9/16" WRENCH	7/16" WRENCH
5/32" HEX WRENCH	19MM SOCKET	10MM NUT DRIVER	RATCHET	TAPE MEASURE
TORQUE WRENCH	UTILITY KNIFE	FLAT TIP SCREWDRIVER		PHILLIPS SCREWDRIVER

- STEP 1. Remove the contents from box and check for damage. Verify all parts are present. Read instructions completely before beginning.
- STEP 2. Attach light guard assemblies as shown. **SEE FIGURE 1.**
- STEP 3. To install mount brackets, removal of bumper/grille is necessary. Remove seven Phillips screws from grille, (four above grille, and three on lower front of grille) (Figure 2A). Remove (2) 10mm bolts from bumper, located at front/inside of fender, using nut driver (Figure 2B). Cut out (6) plastic rivets from inside of front fender, three on each side (replacements provided). From beneath vehicle, remove three pin retainers from bottom/center of bumper with flat screwdriver and disconnect fog lamp connector, (if equipped)(Figure 2C). Pull bumper/grille straight out from vehicle.
- STEP 4. Install mount brackets to frame using 1/2" and 3/8" hardware as shown in Figure 2. Finger tighten so brackets move freely. Repeat for opposite side.
- STEP 5. Measure distance from inside to inside of Sportsman uprights near slots. Center mount brackets on vehicle so that this distance is the outside to outside measurement of the mounting brackets.
- STEP 6. Make sure brackets are properly aligned and tighten fasteners. Recommended torque values are 64 Ft.Lbs. for 1/2" fasteners and 26 ft. lbs. for 3/8" fasteners.
- STEP 7. Replace bumper/grille in opposite order of removal. (Step 3). Use the replacement, plastic "push-type" retainers provided.
- STEP 8. Place cardboard under front side of vehicle. Lay Sportsman on cardboard with front side down. Slide Sportsman back so that the rearmost slots align with the rearmost slots on the brackets. Attach Sportsman to brackets at rearmost slots using 1/2" stainless steel black zinc fasteners provided.
- STEP 9. Carefully rotate Sportsman up toward vehicle until remaining slots are aligned. Insert remaining 1/2" fasteners. Do not tighten at this time.
- STEP 10. Center and level Sportsman on vehicle and tighten all fasteners. Recommended torque values are 43 Ft. Lbs. for 1/2" stainless fasteners.

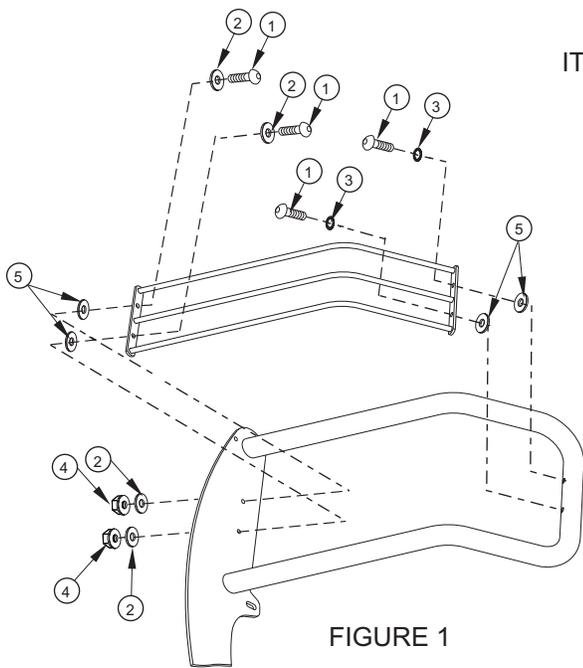


FIGURE 1

ITEM	QTY.	DESCRIPTION
1	8	1/4-20 X 1.00" BUTTON HEAD BOLT
2	8	1/4" FLAT WASHER
3	4	1/4" INTERNAL TOOTH LOCK WASHER
4	4	1/4-20 NYLON NUT
5	8	RUBBER WASHER

NOTE: ALL FASTENERS MAY NOT BE USED.

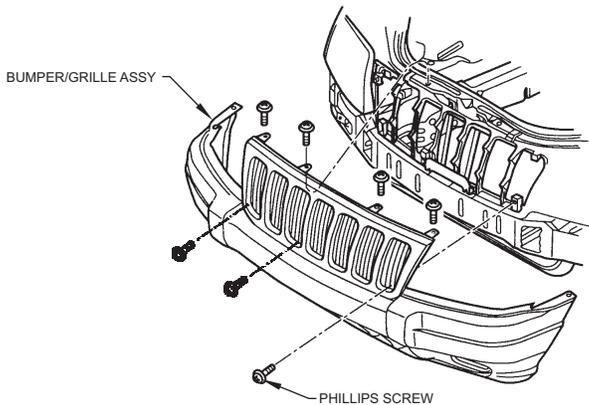


FIGURE 2A

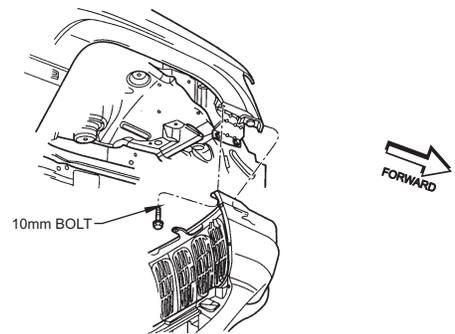


FIGURE 2B

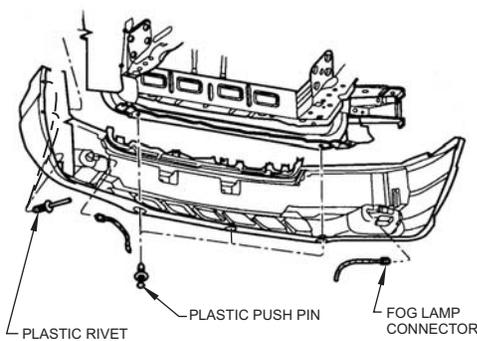


FIGURE 2C

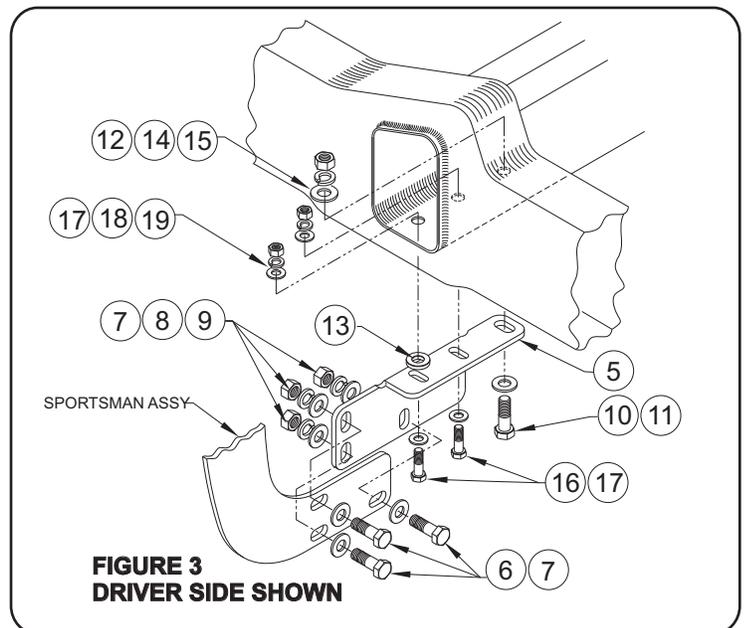


FIGURE 3
DRIVER SIDE SHOWN

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.