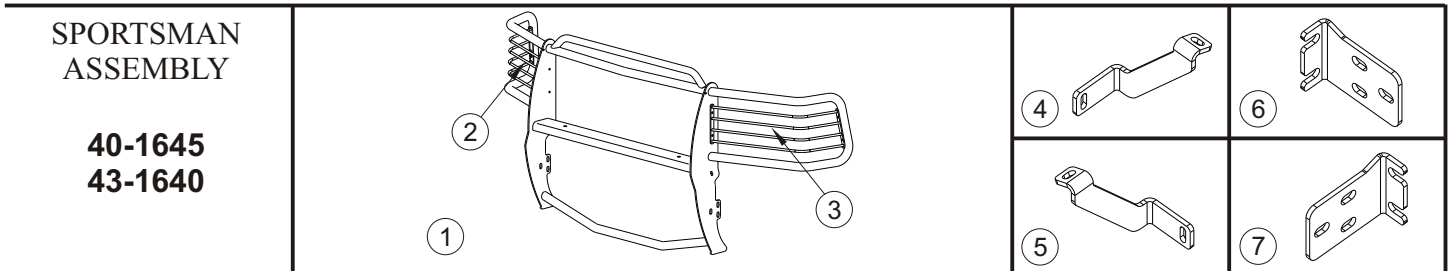




INSTALLATION INSTRUCTIONS

APPLICATION: 2005-07 FORD F-250/350 SUPERDUTY
2005-07 FORD EXCURSION

AUTOMOTIVE PRODUCTS, INC.



PARTS KIT CONTENTS

ITEM	QTY	DESCRIPTION	ITEM	QTY	DESCRIPTION
1	1	SPORTSMAN ASSEMBLY	14	4	3/8" FLAT WASHER
2,3	2	LIGHT GUARD ASSEMBLY, PASSENGER(2) AND DRIVER(3)	15	2	3/8" LOCK WASHER
4,5	2	TOP BRACKET, PASSENGER(4) AND DRIVER(5)	16	2	3/8-16 HEX NUT
6,7	2	BOTTOM BRACKET, PASSENGER(6) AND DRIVER(7)	17	2	5/16-18 X 1.75" HEX HEAD BOLT
8	2	SPACER TUBE	18	4	5/16" FLAT WASHER
9	6	1/2-13 X 1.25" HEX HEAD BOLT	19	2	5/16" LOCK WASHER
10	12	1/2" FLAT WASHER	20	2	5/16-18 HEX NUT
11	6	1/2" LOCK WASHER	21	2	ANTI-REFLECTIVE TAPE (FOR CHROME ASSEMBLIES ONLY.)
12	6	1/2-13 HEX NUT			
13	2	3/8-16 X 1.25" HEX HEAD BOLT			

TOOLS REQUIRED

9/16" SOCKET	9/16" WRENCH	1/2" SOCKET	1/2" WRENCH	7/16" WRENCH
5/32" HEX WRENCH	18MM SOCKET	6" EXTENSION	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. Attach light guard assemblies as shown. **SEE FIGURE 1.**
- STEP 3. Loosen front bumper bolts (approximately 3/8") while pushing bumper toward vehicle to help prevent retaining clips from rotating beneath the bumper. Attach bottom brackets as shown. Leave bracket loose enough for adjustment. **SEE FIGURE 2.**
- STEP 4. Measure distance at the inside of the uprights on grille guard.
- STEP 5. Position brackets on vehicle according to the measured width of the upright. At the same time, position bumper in desired location. Tighten factory bumper bolts on vehicle. Recommended torque is 65 FT. LBS.
- STEP 6. Place sportsman assembly up against truck and align so that the 1/2" fasteners can be installed in the mount brackets.
- STEP 7. Locate bumper mount plate welded to the end of the frame rail. Place the 5/16 X 1.75" bolt through the hole in the top corner towards the center of vehicle. This is best accessed from the center opening in the bumper. Place one 3/4" spacer on the bolt. Slide top brace between grille and bumper. Secure brace on bolt and spacer with 5/16" flat washer, lock washer and nut. Fasten top brace to grille guard upright with 3/8" hardware. Leave loose. **SEE FIGURE 3.**
- NOTE:** On vehicles with driving lights installed in the bumper, remove the three 8mm bolts that hold the light to the bumper. Move light over to gain access to top bracket mount location. Reinstall lights once top bracket is properly placed and torqued.
- STEP 8. Center and level Sportsman as desired. Make sure grille clears top tube when shutting hood. Adjust as necessary. Tighten all fasteners. Recommended torque values are 43 FT. LBS. for 1/2" fasteners, 19.7 FT. LBS. for 3/8" fasteners, and 6 FT. LBS. for 1/4" fasteners (Light Guards).
- STEP 9. For chrome assemblies. If light glare is being experienced off the wings of the Sportsman, anti-reflective tape has been supplied to reduce glare. With headlights on, note where the reflection is concentrated on the wing. Clean the wing well with a non-abrasive cleaner (rubbing alcohol works the best.) Trim the anti-reflective tape to the appropriate size where the glare was located and apply tape. **SEE FIGURE 1.**