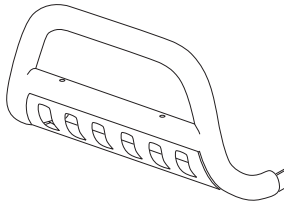




# INSTALLATION INSTRUCTIONS

APPLICATION: 2004-07 FORD F150 (excl. Heritage Edition)

AUTOMOTIVE PRODUCTS, INC.



**BULL BAR ASSEMBLY**

**31-5390**

ITEM	QTY	CONTENTS	TOOLS
1	1	BULL BAR ASSEMBLY	3/4" SOCKET
2	2	BRACKETS - PASSENGER/DRIVER SIDE	9/16" SOCKET
3	4	BOLT PLATES	15MM SOCKET
4	4	M12 FLAT WASHER	18MM SOCKET
5	4	M12 LOCK WASHER	3/4" WRENCH
6	4	M12 HEX NUT	9/16" WRENCH
7	4	M10*30MM HEX HEAD BOLT	RATCHET
8	8	M10 FLAT WASHER	TORQUE WRENCH
9	4	M10 LOCK WASHER	
10	4	M10 HEX NUT	

## PRODUCT INSTALLATION:

1. Verify all parts & hardware are present. Please read Instruction Sheets before installing. No drilling required.  
**VEHICLES WITH TOW HOOKS**
2. Remove tow hooks by removing the front and rear bolts. **NOTE:** Tow hooks will not be reinstalled. Make sure bolt plate in frame stays aligned with holes.
3. Position bottom bracket up to bottom of frame and replace tow hook bolts. **SEE FIGURE 1.** Go to step 6.  
**VEHICLES WITHOUT TOW HOOKS**
4. Insert two bolt plates through the end of the frame and into bottom frame holes. **NOTE:** It may be necessary to remove the lower plastic portion of the bumper to gain access to ends of the frame rails. The indented pockets in the lower bumper will need to be cut out to allow bottom brackets to pass through. **SEE FIGURE 2.**
5. Attach Bull Bar to mount brackets using M10 fasteners. Level and adjust Bull Bar as desired. Torque tow hook bolts to 75 ft/lbs; M12 fasteners to 65 ft/lbs; M10 fasteners to 35 ft/lbs.

**OPTIONAL LIGHT INSTALLATION:** Insert the threaded stud on base of the light through hole in cross tube. Using a ratchet, extension and socket for correct size of nut supplied, insert through large clearance hole in bottom of cross tube. Thread nut and washers on stud and tighten. **NOTE:** A short socket, not a deep-socket, works best to get the nut started. If not installing lights, plug mount holes with rubber caps provided.

**NOTE:** It may be necessary to remove/relocate front license plate and license plate bracket. It is not required, but strongly recommended. If local/state laws requires a license plate, license plate relocation kit 32-0055 is available.

## PRODUCT CARE:

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, (e.g. Pure Carnauba) on a regular basis. The use of any soap, polish or wax that contains an abrasive is detrimental, as the compounds scratch the finish and open it to corrosion.

