

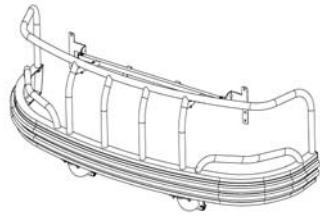
INSTALLATION GUIDE
XPUSH BUMPER
'07 FORD EXPEDITION

Pro-gard[™]
PRODUCTS LLC.

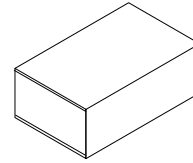
STRONG | RELIABLE | SECURE

pro-gard.com
800.480.6680

THESE COMPONENTS ARE REQUIRED
TO INSTALL THE PRO-GARD XPUSH BUMPER SYSTEM SYSTEM



X PUSH BUMPER FRONT FACE



HARDWARE KIT

- I. Refer to the diagram on the last page of these instructions to verify all parts were received.
- II. The following tools will be required to complete the installation.
 - Socket Wrench with ½", 7mm, 10mm sockets
 - Box or Combination –end Wrench, ½", 7mm, 10mm
 - Panel Clip Pliers
 - Alignment bars (pin drift)
 - Loctite 242 (blue – medium strength), one bottle
 - Zip ties
- III. Removing towing hooks and fasteners.
 - A. Using a 15mm socket wrench, remove and retain 2 sets of 2 each 15 mm bolts securing towing hooks to Expedition sub-frame.
- IV. Removing license plate frame and fog lamps (if present)
 - A. If a front license plate holder and bracket are present, remove it. Retain bracket, fasteners, and license plate (if present).
 - B. Remove existing fog lamps if present. Zip tie the existing harnesses back out of the way.

NOTE

To prevent corrosion, placing a small plastic bag over the open connector is strongly encouraged
 - C. Remove the three nuts securing each fog lamp to the bumper with an 11 mm wrench. Pull each fog lamp out the front of the bumper fascia. Retain lamps and fasteners.
- V. Installing Bottom Bracket Assemblies
 - A. At each sub-frame section behind where the existing fog lights were, install each (of two) Bent Brackets.

- B. Install each LFPB Mounting Bracket from the front of the vehicle, and attach to each Bent Bracket with a 9/16" – 18 x 1 ¼ HHCS, 9/16" Lock Washer, and 9/16" Flat Washer. Finger - tighten fasteners.

NOTE

Applying Locktite 242 to towing hook fasteners (which secure the Bottom Weldment Assembly to the vehicle) before installation is strongly encouraged.

- C. Install Bottom Weldment Assembly onto the sub-frame at the towing hook mounts. Secure with towing hook fasteners.

VI. Installing the Upper Support Brace Assembly

- A. Remove and retain all screws on the vehicle's radiator cover. Removing Screws on Radiator Cover
- B. Remove and retain radiator cover.
- C. Remove fasteners securing the top of the front grille assembly to vehicle, and tilt the front grille forward. Bend back the rubber air dams on both sides of the grille.
- D. Remove and retain the two radiator support bolts (one on each side, behind the inner edge of each headlight).

VII. Install Bumper Assembly

- A. Check all fasteners on Bumper Assembly to ensure they are wrench-tight.
- B. Place the Bumper Assembly on the Bottom Weldment Assembly and the Bottom Bracket Assembly, where the tubes from the Upper Guard Assembly go between the 2nd and 3rd grille slats from the top. Position the Bumper Assembly to align all holes.
- C. As needed, secure the Upper Support Brace Driver-side and Passenger-side Brackets to the Upper Support Brace Cross-member with two sets of ½"-13 Hex Head Cap Screw, ½" Flat Washer, ½" Flat Washers, ½" Lock Washer, ½"-13 Hex Nut.
- D. Secure the Upper Guard Assembly to the assembled Upper Support Brace Assembly with two sets of 9/16" HHCS, 9/16" Lock Washer, and 9/16" USS Flat Washer. Fasteners install from the rear of the Upper Support Assembly. Finger – tighten only.
- E. Secure bottom of Bumper Assembly to Bottom Weldment and Bottom Bracket assemblies with six sets of ½"-13 x 1 ¾" HHCS Fully Threaded, ½" USS Flat Washer, ½" SAE Flat Washer, ½" Lock Washer, and ½" – 13 Hex Nut. Finger-tighten only.
- F. Ensure the Bent Bracket to Bottom Bracket fasteners are wrench-tight.

G. Align the Bumper Assembly so it is straight along both the front of the vehicle and along the depth of the vehicle.

H. Once aligned, wrench-tighten all Upper Support, Bottom Weldment, and Bottom Bracket fasteners.

VIII. Install Front License Plate Holder (if removed in Section IV above)

A. Attach the License Plate Holder to the bottom of the Bumper Assembly and to the Bottom Weldment with the three supplied 1/4" x 1 1/2" self tapping screws.

IX. Installation of the XPush Bumper is now complete.

ITEM NO.	DESCRIPTION	QTY.
1	1/4 SAE FLAT WASHER, [.281/.625/.055-.072]	3
2	1/2-13 X 1 3/4 HHCS, FULLY THREADED	6
3	1/2 USS FLAT WASHER, [.563/1.375/.097-.121]	6
4	1/2 LOCK WASHER, [.512/.869/.125 min]	6
5	9/16-18 X 1 1/4 HHCS	10
6	9/16 USS FLAT WASHER	10
7	9/16 LOCK WASHER	10
8	1/2-13 HEX NUT	6
9	1/2 SAE FLAT WASHER	6
10	WEDGE WASHER	12
11	NYLON LOCKING FINISH PLUG, FITS 1" ID, 1-13/64" HEAD DIA.	2
12	#14 X 1-1/2" PAN HEAD PHILLIPS SHEET METAL SCREW	3
13	RUBBER BUMPER	1
14	UPPER SUPPORT BRACE ASSEMBLY	1
15	EXPEDITION BUMPER BENT BRACKET ASSEMBLY	1
16	EXPEDITION BENT BRACKET ASSEMBLY	1
17	EXPEDITION BOTTOM MOUNT WELDMENT	2
18	UPPER GUARD WELDMENT	1
19	BOTTOM BRACKET WELDMENT	1
20	C-CHANNEL WELDMENT	1
21	LOWER GUARD	2

FIG. 2

