

INSTALLATION GUIDE

XPUSH BUMPER

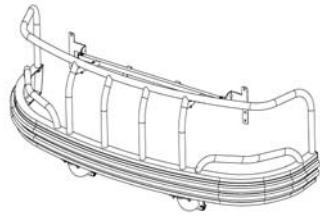
'06 FORD EXPLORER

Pro-gard[™]
PRODUCTS LLC.

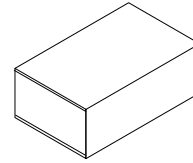
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THESE COMPONENTS ARE REQUIRED
TO INSTALL THE PRO-GARD XPUSH BUMPER SYSTEM SYSTEM



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 3/8", 7/16", 1/2", 3/4", 8mm, 10mm, 15 mm sockets
Box or Combination –end Wrench, 3/8", 7/16", 1/2", 3/4", 8mm, 10mm, 15 mm
1/4" Drill Bit
7/8" Hole Saw
Panel Clip Pliers
Alignment bars (pin drift)
Loctite 242 (blue – medium strength), one bottle
Jig saw, electric or air powered
File with medium pitch and flat faces
Angled Pick –Hook tool
Zip ties

III. Removing Front Tow Hooks and Front Fascia

A. Remove towing hooks and fasteners.

B. 4. Remove fasteners on top of grille which secure fascia to mounts. Save all fasteners for later reuse.

C. Remove fasteners securing headlights to body. Save all fasteners for later reuse. Disconnect connectors at rear of headlight.

D. Remove front inner wheel well fasteners, then remove front inner wheel well. Save all fasteners for later reuse.

E. Disconnect connectors at rear of auxiliary headlights.

F. Remove fasteners which secure the front fascia to the fenders and body.

G. Remove front fascia assembly and place on blanket face-down on blanket or pad.

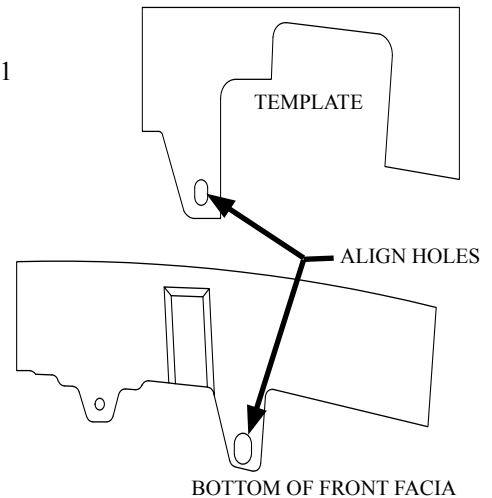
IV. Cutting Front Fascia for Weldment clearance.

- A. Using panel clip tool, remove rubber air dam from bottom of front fascia
- B. Position front fascia face up so you can work on the bottom. Place Cutting Template on bottom over hole in fascia and align edges (Fig.1). Note: Cover the area with masking tape.
- C. With template in place mark edge to be cut onto fascia, then remove template and cut hole. Smooth edges of cut hole with file.

V. Installing Undercarriage Weldments

Fig. 1

- A. Apply masking tape to front fascia to prevent scratches when installing Undercarriage Weldments.
- B. Remove front under-bumper fasteners on vehicle and save for re-use.
- C. Install Driver-side and Passenger-side Undercarriage Weldments onto vehicle. Secure front mounting plate of each Weldment with existing fasteners. Tighten existing fasteners “wrench-tight”.



Note

Do not install L-Brackets to the Undercarriage Weldments in this step.

- D. Bend the front of the Undercarriage Weldments down slightly so the front fascia can be installed.
- E. Place and align front fascia onto vehicle, behind the Undercarriage Weldments. Ensure Fascia mounting tabs are securely seated into their slots in the driver and passenger-side fenders. Double-check alignment to ensure the fascia is installed “straight and square” onto the vehicle. When alignment is correct, secure the fascia by installing the “upper grille” and “underneath” fasteners.
- F. Replace the headlights and auxiliary lights back into the front fascia, reconnecting all connectors. Secure the headlights and auxiliary lights with fasteners previously removed.
- G. Secure top of each L-Bracket Weldment to vehicle frame with ½” – 13 x 1 ¾” Hex Head Cap Screw, ½” Lock Washer, ½” Flat Washer, and ½” Hex Nut. The Hex Nut is slipped inside the hollow vehicle frame through the slot on the side and held in place with an awl or hook tool while the Cap Screw is inserted and started. Finger-tighten only.
- H. Loosely assemble each L-Bracket Weldment to rear of Driver-side and Passenger-side Undercarriage Weldments with ½” – 13 x 1 ¾” Hex Head Cap Screw, ½” Lock Washer, and ½” Flat Washer.

- I. Once the L-Brackets are installed on the vehicle and attached to the rear of Undercarriage Weldments, wrench-tighten all L-Bracket fasteners.

VI. Installing the XPush Bumper and Adjustment Rods

- A. To protect the vehicle's grille, place some masking tape on the vehicle grille in front of each Upper Grille Support Tube (part of each Upper Grille Weldment).
- B. Place the Bumper Assembly on the Undercarriage Weldments with the Upper Grille Adjustment Rods fully seated in the Upper Grille Adjustment Rod Tubes. Align the holes in the bottom of the Bumper to the holes in the top of the Undercarriage Weldments. An alignment bar or pin drift can be used as an alignment aid. Mark the hole locations where the ends of the Upper Grille Adjustment Rods touch the back of the Grille.
- C. Remove the Bumper Assembly from the Undercarriage Weldments and set aside.
- D. To protect the vehicle grille's finish, Place masking tape on the vehicle's grille where the holes will be drilled.
- E. Use the 7/8" Hole Saw to drill holes in the grille for the Upper Grille Adjustment Rods.
- F. Replace the Bumper Assembly on the Undercarriage Weldments while ensuring that the Upper Grille Adjustment Rods pass through the holes just drilled. Use a pin drift to align the Bumper Assembly as needed.
- G. Install the Upper Grille Weldments by sliding each Upper Grille Weldment Support Tube onto the end each of the Upper Grille Adjustment Rod. Don't secure the Upper Grille Weldments yet.
- H. Attach the Bumper Assembly to the Undercarriage Weldments with four sets of 1/2"-13 x 1 3/4" Hex Head Cap Screw, 1/2" USS Flat Washer, 3/4" Wedge Washer, 1/2" SAE Flat Washer, 1/2" Lock Washer, and 1/2"-13 Hex Nut. Ensure the Bumper Assembly is correctly aligned to the vehicle fascia and to the Undercarriage Weldments. Wrench-tighten the fasteners to secure
- I. Verify the Bumper Upper Grille Adjustment Rods are fully and firmly seated in the Bumper Assembly's Support Tubes.
- J. Place the Driver-side and Passenger-side Upper Grille Weldments on the radiator support at the bend on each side, and secure each Weldment to the radiator support with four Hex Head self-tapping screws.
- K. Move the two Upper Grille Adjustment Rods to the rear as far as they will go into the Upper Grille Weldment Support Tubes.
- L. Use a 1/4" drill bit to drill through the existing holes in the Upper Grille Weldment Support

Tubes and through the Upper Grille Adjustment Rods.

- M. Secure each (of the two) Upper Grille Adjustment Arms to its Upper Grille Weldment Support Tubes with of ¼” – 20 x 1 ½” Hex Head Cap Screw, two ¼” SAE Flat Washers, a ¼” Lock Washer, and a ¼”-20 Hex Nut (Figure 32).
- N. Using the ¼” drill bit and the holes in the Upper Grille Adjustment Rod Tubes as guides, drill through the Upper Grille Adjustment Rods.
- O. Secure each (of the two) Upper Grille Adjustment Rods to its Upper Grille Support Tubes with of ¼” – 20 x 1 ½” Hex Head Cap Screw, two ¼” SAE Flat Washers, a ¼” Lock Washer, and a ¼”-20 Hex Nut (Figure 33, Figure 36). Tighten the Hex Head Cap Screws and the Hex Nuts “wrench-tight”.

VII. Reinstalling Inner Wheel Well and front Air Dam.

- A. Replace the Front Inner Wheel Well and secure with the fasteners previously removed.
- B. Thread the Air Dam between the bottom of the front fascia and the top of the Undercarriage Weldment tubes.
- C. Cut notches and smooth the edges of the Air Dam so it can go around the Undercarriage Weldment tubes.
- D. When the Air Dam is placed, secure it to the front fascia with the panel clips previously removed.

VIII. Installation of the XPush Bumper is now complete

ITEM NO.	DRAWING NUMBER	DESCRIPTION	MATERIAL	Def/qty/ QTY.
1	-9-00000186	1/4-20 X 1 1/2 HHCS. FULLY THREADED	GRADE 8, ZINC PLATED	4
2	-9-00000226	1/4-20 HEX NUT	GRADE 8, ZINC PLATED	4
3	-9-00000233	1/4 LOCK WASHER, (.240/.487/.042 min)	GRADE 8, ZINC PLATED	4
4	-9-00000378	1/2-13 X 1.3/4 HHCS. FULLY THREADED	GRADE 8, ZINC PLATED	6
5	-9-00000407	1/2 USS FLAT WASHER, (.543/.1375/.097-.121)	GRADE 8, ZINC PLATED	6
6	-9-00000420	1/2 LOCK WASHER, (.512/.869/.125 min)	GRADE 8, ZINC PLATED	6
7	-9-00000519	1/2 SAE FLAT WASHER (.5327/.063/.074-.121)	GRADE 8, ZINC PLATED	4
8	-9-00000538	1/2-13 HEX NUT	GRADE 8, ZINC PLATED	4
9	-9-00000683	1/4 SAE FLAT WASHER, (.281/.625/.055-.072)	GRADE 8, ZINC PLATED	8
10	-9-00000695	WEDGE WASHER 3/4" WASHER	CAST IRON, BLACK POWDER COAT	4
11	2807-100-003448	UPPER GRILL ADJUSTMENT ROD	ALUMINIUM 6061	2
12	2807-100-004271	GRILL AND C CHANNEL WITH RUBBER EXTRUSION ASSEMBLY	N/A	1
13	2807-200-004624	DRIVERSIDE UNDERCARRIAGE WELDMENT	N/A	1
14	2807-200-004626	L - BRACKET WELDMENT	N/A	2
15	2807-200-004628	PASSENGERSIDE UNDERCARRIAGE WELDMENT	N/A	1
16	2807-200-004632	DRIVERSIDE UPPER GRILL WELDMENT	N/A	1
17	2807-200-004633	PASSENGERSIDE UPPER GRILL WELDMENT	N/A	1
18	2807-200-006203	EXPLORER (2004 CURRENT) INSTALLATION MANUAL	PAPER	1
19	2807-200-006204	UNDERCARRIAGE SPACER	6061 ALUMINIUM	2

