

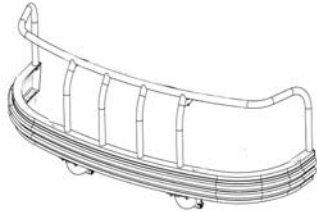
INSTALLATION GUIDE
X PUSH BUMPER
'04- '09 FORD CROWN VIC

Pro-gard[™]
PRODUCTS LLC.

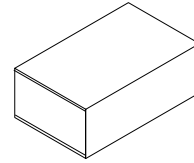
STRONG | RELIABLE | SECURE

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THESE COMPONENTS ARE REQUIRED
TO INSTALL THE PRO-GARD X PUSH BUMPER 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.

- 3/8" and 1/2" drive Ratchet wrenches, extensions, and universal joints
- Sockets 7mm, 8mm, 13mm, 15mm, and 1/2"
- Torque Wrench to 80 ft.-lbs.
- Aviation Snips (for cutting notches in grille)
- Files (for smoothing edges of notches)
- Screwdriver, flat blade, #2
- Pliers, long-nose and slip-joint
- Utility knife with new blade
- Alignment bar

III. Remove the splash shield.

A. Remove the three mounting screws securing the splash guard to the radiator support (using 8mm socket) and pull the splash shield down and free of its mounting.

IV. Remove the side splash shields.

A. Remove the screws from the side splash shields with a 7mm socket. Remove and discard the side splash shields.

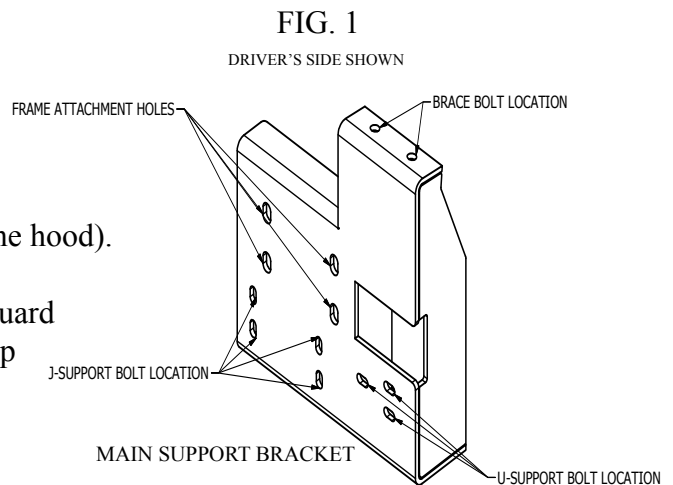
V. Remove upper splash guard (Located under the hood).

A. Twist out the two fasteners on the splash guard under the hood and pull the splash guard up and out from under the hood.

VI. Installation of main support brackets.

A. On the driver's side of the vehicle, locate and remove the four bolts attaching the bumper

B. Using a screwdriver, pry the bumper frame forward and away from the main vehicle frame.



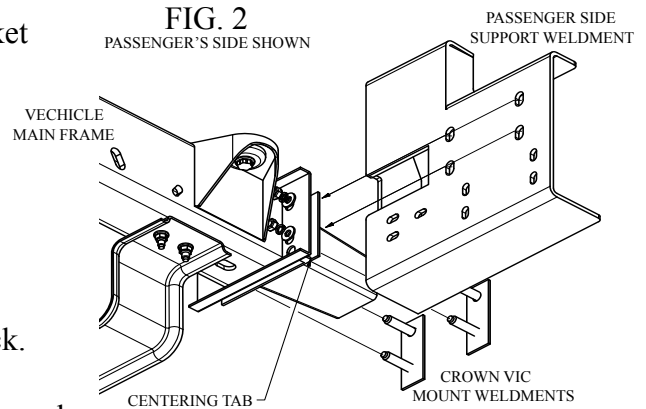
C. Locate the centering tab on the main vehicle frame. Pry and twist the centering tab completely off the vehicle frame, using a screwdriver and/or pliers (Fig. 2).

D. Insert the passenger side main support bracket between the vehicle frame and the bumper frame, aligning the frame attachment holes in the bracket with the holes in the vehicle frame and the bumper frame (Fig.2).

E. Insert two of the stud plates through the holes in the bumper frame, main support bracket, and vehicle frame from front to back.

F. Install four sets of flat washers, lock washers, and nuts onto each of the four studs on the stud plates, and tighten finger tight.

G. Repeat this process on the driver's side of the vehicle.

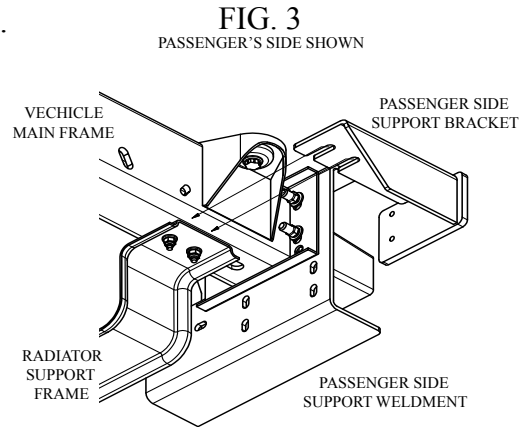


VII. Install side support brackets.

A. Using a 15mm socket, loosen (but do not remove) the driver's side radiator support frame attaching bolts so that the radiator support frame can drop down about 1/2 inch.

B. Locate the driver's side support bracket. Insert the side support bracket between the vehicle frame and the radiator support frame, sliding the support frame bolts into the slots on the side support bracket and tighten finger tight (Fig. 3)

C. Repeat this process on the passenger's side of the vehicle.



VIII. Installation of J supports.

A. Locate the Driver's side J support. Insert the J support through the outer hole in the bumper cover. Align the support with the appropriate holes in the left main support bracket (Fig. 1). Insert Four 1-1/4 x 3/8 bolts, with flat washers and lock washers, through the holes in the J support and into the threaded holes in the side support bracket. Tighten the bolts finger tight.

B. Repeat the previous step with the passenger's side J support.

IX. Install U support.

A. Locate the U support bracket. Insert the two legs of the U support through inner holes in the bumper cover. Align the bolt holes in the U support with the appropriate holes in the

main support brackets (Fig. 1). From the rear of the main support brackets, insert two (one each side) 3/8" - 16 x 1 1/2" HHCS bolts, flat washers, and lock washers into the threaded holes on the U support. Tighten these bolts hand tight. Then, insert 3/8" - 16 x 1 1/2" HHCS bolts and flat washers through the remaining holes in the U support, from the front side. Thread on to these bolts nuts, lock washers, and flat washers, and tighten finger tight.

X. Install braces.

- A. Unbolt the horn bracket and temporarily move the horns aside to provide access to the top of the main support brackets.
- B. Using aviation snips or a utility knife cut out enough of the hexagonal grids in the grill to make room for placing the braces through the grill. Smooth the edges with the files as needed for a professional appearance.
- C. Locate the support braces. Thread the braces through the holes in the grill and align the bolt holes in the braces with the appropriate bolt holes of the main support brackets (Fig. 1).
NOTE: The braces go UNDER the top flange of the main support brackets. Install two 1-3/4 x 1/2" bolts and flat washers through the bolt holes in each brace, from the top. Thread on these bolts the flat washers, lock washers, and nuts, and tighten finger tight.

XI. Install main bumper.

- A. Lift and place the main bumper on top of the U and J supports and under the braces. Attach the support braces to the main bumper with 4 1-3/4 x 1/2" bolts, nuts, flat washers, and lock washers. Attach the bumper to the U and J supports with 16 1-3/4 x 1/2" bolts, nuts, flat washers, and lock washers.
- B. Check that the bumper is on straight, and parallel to the car (the back is not higher or lower than front). By measuring the distances between the bumper and the car at the corners, on each side at the tops of the top rail, on the bottom where the bumper connects with the undercarriage. Align the bumper as needed.
- C. Once the bumper is aligned, tighten all bolts through the main support brackets, side support brackets, and undercarriage to 72 ft-lbs.

XII. Tighten the bolts on the radiator support frame.

XIII. Replace the horns in their original position and secure the horn attaching bolt.

XIV. Replace the drip guard panel and tighten the two fasteners on the panel.

XV. Replace the lower splash guard panel.

XVI. Installation of the X-Push bumper is now complete.

ITEM NO.	DESCRIPTION	Default/ QTY.
1	3/8-16 X 1 1/2 HHCS, FULLY THREADED	12
2	1/2-13 X 2 HHCS	4
3	1/2-13 X 1 3/4 HHCS, FULLY THREADED	20
4	1/2 USS FLAT WASHER, (.563/1.375/.097-.121)	48
5	5/16 LOCK WASHER (.322/.583/.078 MIN), HD SPRING LOCK	8
6	5/16 USS FLAT WASHER, (.375/.875/.055-.080)	8
7	1/2 LOCK WASHER, (.512/.869/.125 min)	24
8	3/8-16 HEX NUT	4
9	5/16-18 HEX NUT	8
10	1/2-13 HEX NUT	24
11	3/8 USS FLAT WASHER, (.438/1.000/.064-.104)	18
12	3/8 LOCK WASHER (.385/.68/.094)	14
13	3/8-16 X 1 1/4 HHCS	2
14	3/4" BEVELED WASHER (OR 9-00004449 PLAIN W/YZP FINISH) WASHER	4
15	UPPER BUMPER SUPPORT	2
16	CENTER CARRIAGE ASSEMBLY	1
17	D. SIDE BUMPER SUPPORT WELDMENT	1
18	P. SIDE BUMPER SUPPORT WELDMENT	1
19	BRACKET WELDMENT	1
20	BRACKET WELDMENT	1
21	OUTER CARRIAGE TUBE WELDMENT	2
22	GRILL AND C-CHANNEL WITH RUBBER EXTRUSION ASSEMBLY	1
23	CROWN VIC MOUNT WELDMENT	4

