

## **INSTALLATION GUIDE**

**X PUSH BUMPER**

**'07 CHEVROLET TAHOE**

**'07 GMC YUKON**

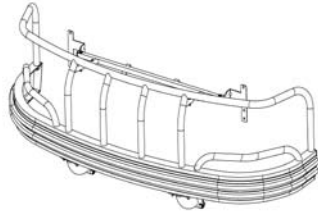
**'07 CADILLAC ESCALADE**

**Pro-gard**<sup>™</sup>  
PRODUCTS LLC.

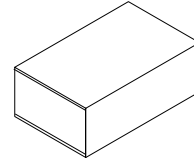
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THESE COMPONENTS ARE REQUIRED  
TO INSTALL THE PRO-GARD X PUSH BUMPER SYSTEM



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.

- Socket Wrench with 1/2", 7mm, 10mm sockets
- Box or Combination- end wrench, 1/2", 7mm, 10mm
- Panel Clip Pliers
- Alignment Bars (pin drift)
- Electric Drill
- Drill Bit, High Speed Steel 1/4"
- Loctite 242
- 24" Pry Bar

III. Read all instructions carefully before starting the assembly process.

IV. Removing Front Bumper Fascia

A. Remove fasteners connecting bumper fascia assembly to vehicle. Using a 7mm socket wrench, remove and retain all fasteners (both driver and passenger sides) connecting the lower edge of the bumper fascia to the sub-frame.

B. Using the Panel Clip Pliers, remove all panel clips securing the front wheel well moldings (both driver and passenger sides).

C. If present, remove fasteners securing air ducts to wheel well moldings. There are four fasteners per air duct, it may be necessary to drill out the fasteners.

D. Remove the driver – side and passenger – side wheel well moldings.

E. Using a 10 mm socket, remove the nuts securing the fasteners on the clip connecting the bumper fascia to the fender

F. On both the driver side and passenger side, pull down and remove the clip connecting the bumper fascia to the fender

- G. Disconnect the fog lamp power connectors.
- H. Remove the panel clips and bolts holding the radiator top cover, radiator top air deflector, and top of the front fascia to the vehicle
- I. Remove the bumper fascia assembly and set it aside. NOTE: To avoid scratching the bumper fascia, place it on a blanket or pad.

V. Removal of headlamp housings (assemblies).

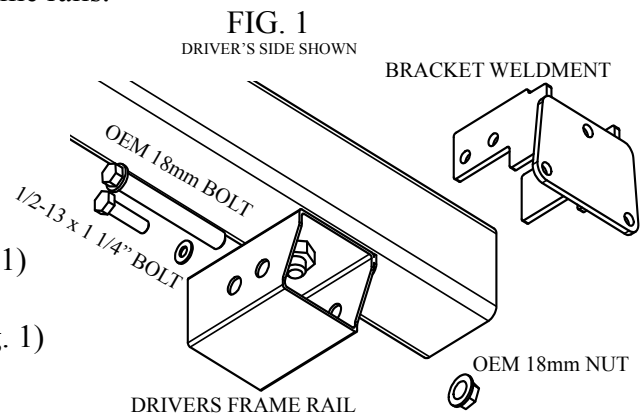
- A. Using a 10mm socket wrench, remove the two bolts at the top of each headlamp housing. Loosen the bolt on the lower “outside” of each headlamp housing.
- B. Pull each headlamp housing towards you until it pops free from the headlamp housing support. Disconnect each headlamp power connector.

VI. Removal of front tow hook covers and front tow hooks.

- A. Remove front tow hook covers from front bumper fascia assembly by pulling the tabs away from the cover and pushing the covers away from the fascia. Trim flush both top tabs.
- B. Using an 18 mm socket wrench and 18 mm combination wrench, remove Tow Hook Fasteners. Remove tow hooks from front frame rails.

VII. Installation of Truck Bracket Weldments.

- A. Install Truck Bracket Weldments onto front frame rails and secure with the OEM bolts and nuts along with the supplied 1/2” – 13 x 1 1/4” (1)Bolts with Washers(10)(11) (tapped hole on Bracket Weldment). Apply Loctite to ensure fastener retention. (See Fig. 1)



VIII. Install Upper Brace Assembly

- A. Remove and retain both headlamp housing supports and their fasteners, and both driver and passenger side radiator grille bracket bolts.
- B. Using supplied Rivet Nut Installation Tool, install 2 each 1/4”-20 AEL Rivet Nuts in holes in Radiator Support Bracket.
- C. Install the Upper Brace Support Rods into the Upper Brace Assembly so the hole in each Support Rod is aligned with the holes in the Upper Brace Assembly. Secure each Support Rod with Bolt (4), 2x Flat Washer (14), Lock Washer (6), and Nut(5). Apply Loctite to ensure fastener retention.

D. Install Upper Brace Assembly on radiator mounting frame and secure with the two headlamp housing supports and four bolts, and the two radiator grille bracket bolts. Apply Loctite to ensure fastener retention. Note: The upper tabs of the Upper Brace Assembly go underneath the radiator grille bracket.

IX. Reinstall driver and passenger side headlamp housings

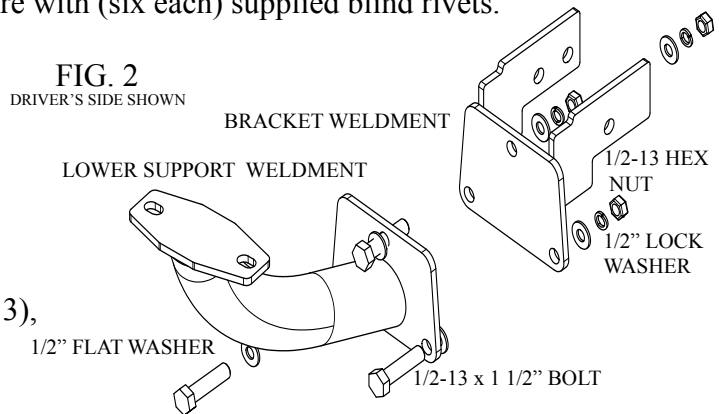
X. Reinstallation of front bumper fascia.

A. Install bumper fascia assembly on vehicle front so that the Upper Brace Support Rods go through the 2nd row of the upper grille and through the 4th honeycomb from end.

B. Connect fog lamp power connectors to sockets on front lamp wiring harnesses. Reinstall wheel well moldings and secure with panel clips. If air ducts are present, align wheel well moldings with air ducts during installation. If air ducts are present, install air duct plates into holes in wheel well moldings and secure with (six each) supplied blind rivets.

XI. Installing the X Push Bumper

A. Install the driver and passenger side Lower Support Weldments on to the Truck Mount Brackets using the 1/2-13 x 1 1/2" bolts(3), flat washers(13), lock washers(9) and hex nuts(12).



B. Install the Push Bumper onto Bracket Weldments and Upper Brace Assembly. Position the Bumper on the Bracket Weldments and the Upper Brace Support Rods and secure with 4 each Bolt (2), USS Flat Washer (7), SAE Flat Washer (13), Lock Washer (9), and Nut (12). Note: Finger tighten only. (See Fig. 2)

C. Align the Bumper so that it is horizontally parallel to the front edges of the vehicle and Straight up and down. Apply Loctite to ensure fastener retention. Tighten the Bumper – Bracket Weldment bolts to 72 ft.-lbs.

D. Using the 1/4" drill bit and the electric drill, drill through the Upper Brace Support Rod using the holes in the Upper Brace Support Rod Holder as a guide.

E. Secure Support Rod to Upper Brace with Bolt (4), USS Flat Washer (7), SAE Flat Washer (12), Lock Washer (6), and Nut (5). Apply Loctite to ensure fastener retention.

Tighten "wrench-tight".

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

ITEM NO.	DESCRIPTION	MATERIAL	QTY.
1	1/2-13 X 1 1/4 HHCS	GRADE 8, ZINC PLATED	2
2	1/2-13 X 2 HHCS	GRADE 8, ZINC PLATED	4
3	1/2-13 X 1 1/2 HHCS	GRADE 8, ZINC PLATED	6
4	1/4-20 X 1 1/2 HHCS, RILLY THREADED	GRADE 8, ZINC PLATED	6
5	1/4-20 HEX NUT	GRADE 8, ZINC PLATED	6
6	1/4 LOCK WASHER (260/467/062 mm)	GRADE 8, ZINC PLATED	8
7	1/2 USS FLAT WASHER (569/1.375/097-12)	GRADE 8, ZINC PLATED	4
8	1/4 USS FLAT WASHER (313/3/750/055-092)	GRADE 8, ZINC PLATED	6
9	1/2 LOCK WASHER (512/869/125 mm)	GRADE 8, ZINC PLATED	10
10	1/2 LOCK WASHER	GRADE 8, ZINC PLATED	2
11	1/2 SAE FLAT WASHER	GRADE 8, ZINC PLATED	2
12	1/2-13 HEX NUT	GRADE 8, ZINC PLATED	10
13	1/2 SAE FLAT WASHER	GRADE 8, ZINC PLATED	16
14	1/4 SAE FLAT WASHER (261/426/055-092)	GRADE 8, ZINC PLATED	8
15	WEDGE WASHER	CAST IRON, BLACK POWDER COAT	4
16	1/4-20 X 1 3/4 HHCS	GRADE 8, ZINC PLATED	2
17	1/4-20 TYPE AEL RIVET NUT, CRIP RANGE 027-165 OPEN END	STEEL, ZINC PLATED	3
18	#8 FLAT WASHER	314 SST	8
19	WIDE DOWNED, 3/16" DIA., 251-379 THK, BUSH	N/A	8
20	BAG, 8 X 8, 4 MIL, RECYCLABLE	POLYETHYLENE	1
21	BAG, 3 X 12, 4 MIL, RECYCLABLE	POLYETHYLENE	1
22	FRONT PROTECTIVE ELUMER BOX	CARDBOARD	1
23	PEFOAM, 1/8 X 24	POLYETHYLENE	10 ft
24	PAIDPACK PAPER, 3 RY ROL (300/350/50)	KRAFT PAPER	2 ft
25	LABEL, 2.75 X 1.25	PAPER WHITE	3
26	PACING TAPE, 7 X 20 MIL CLEAR	POLYPROPYLENE	14 ft
27	BOX, SSC, 20 X 10 X 6, C SINGLE PART, 12 SH, CLUE	CARDBOARD	1
28	UPPER BRACE SUPPORT ROD	ALUMINUM, 6061	2
29	TRUCK BRACKET WELDMENT	N/A	2
30	UPPER BRACE WELDMENT	N/A	1
31	D. SIDE LOWER SUPPORT WELDMENT	N/A	1
32	P. SIDE LOWER SUPPORT WELDMENT	N/A	1
33	UPPER BRACE SIDE BRACKET	3003 ALUMINUM	1
34	UPPER BRACE P. SIDE BRACKET	3003 ALUMINUM	1
35	GIRL AND CHANNEL WITH TABS AND ASSEMBLY FOR INSTALLATION	N/A	1
36	INSTALLATION MANUAL, REFERENCE	PAPER	1

\*NOTE: REQUIRES AN AEL RIVET NUT INSTALLATION TOOL.

