



Installation Instructions

Perma Shine Polished Stainless and Black Powder Coated Bumpers

Part # 8449/7649 Front or Rear Double Tube Bumper for 1987 - 2006 Jeep Wranglers.
Note: Will fit 1976 - 1986 Jeep CJ vehicles with modification (drilling required)

PARTS LIST:	
1 - Bumper	12 - 12mm Nuts
2 - Rear Mount Brackets L & R	24 - 12mm Flat Washers
12 - 12mm Bolts	12 - 12mm Lock Washers

Installation - Front

- 1) Remove factory front bumper, save hardware.
- 2) Install new Rampage bumper over the frame and position so the holes in the brackets welded on the bumper align with the pre-threaded holes in the frame.
- 3) Replace hardware saved from Step 1. Leave loose.
- 4) Adjust bumper so it is centered on the vehicle.
- 5) Tighten hardware to 45ftlbs



Installation - Rear

- 1) Remove factory rear bumper. Many have 2 bolts per side. Some may have additional. TJs have a 3rd bolt on the bottom, heading up into a pre-threaded hole in the frame, save this bolt.
- 2) Locate the Left and Right brackets supplied in the kit. Position the left bracket so that the outside holes line up. Install (2) 12mm bolts in the outer locations. Leave hardware hand tight.

1976-1986 CJ-7s, The holes will line up with certain models of CJ-7, all others will need mounting holes drilled. Install (2) 12mm bolts with (4) flat washers, (2) lock washers and (2) nuts through the inner holes.

1987-1995 YJ Wranglers, the inner holes should line up. If they do not, drilling will be required. Install (2) 12mm bolts with (4) flat washers, (2) lock washers and (2) nuts through the inner holes.

1997-2006 TJ Wranglers, The bottom tab goes to a pre-threaded hole in the frame where the OE bolt came out. Reuse the OE bolt in this location. The inner holes will need to be drilled. Install (2) 12mm bolts with (4) flat washers, (2) lock washers and (2) nuts through the inner holes.

WARNING: Use caution when drilling the crossmember as the fuel tank is located just behind it.

- 3) Repeat for opposite side
- 4) Locate the rear bumper onto the mounting brackets.
- 5) Install (2) 12mm bolts with (4) flat washers, (2) lock washers and (2) nuts through the holes in the bumper and bracket. Leave hand tight.
- 6) Repeat for opposite side
- 7) Align bumper so it is centered on the vehicle. Tighten all hardware to 45ftlbs.

