

PPM-8410 JK FRONT BUMPER

PPM-8410 JK FRONT BUMPER INSTALL INSTRUCTIONS

Version 1

GENERAL NOTES:

- These instructions are also available on our website; www.polyperformance.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- The Polyperformance JK front bumper system is a bolt on installation but does require minor trimming and cutting with a sawzall or cut off wheel.
- The winch mount requires the use of a hawse fairlead, a roller fairlead does not fit in the bumper.
- 1. Remove the splash shield and disconnect the fog light connectors if equipped. Remove the stock bumper, tow hooks and upper frame trim.
- Loosely install the new Poly Performance front bumper using the carriage head bolts. The lower outer hole of the front frame bumper mounting plate needs to be trimmed with a sawzall or cut off wheel. Mark the frame plate along the weld on the backside of the bumper and trim.

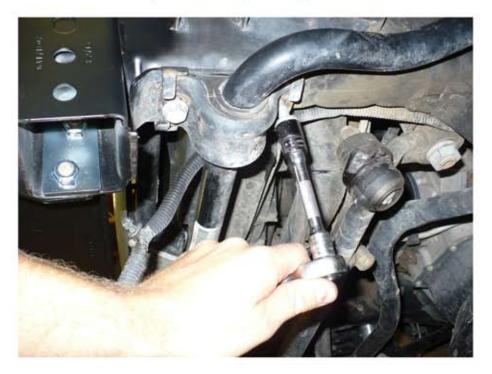


Steps 3-9 only apply if you are installing the Poly Performance 5410-03 or 5410-03-RUBI front skid plate, if you are not at this time, skip to step 10

3. Cut off the bar that goes underneath the frame in front of the steering draglink. Cut the front and back parts of the bracket flush with the sides. Deburr any sharp edges and paint any bar metal with touch up paint.



4. Remove the rear sway bar mounting bushing bolt on both sides.



Steps 5-9 Apply only to a Rubicon Model with a disconnecting stabilizer (anti-sway) bar

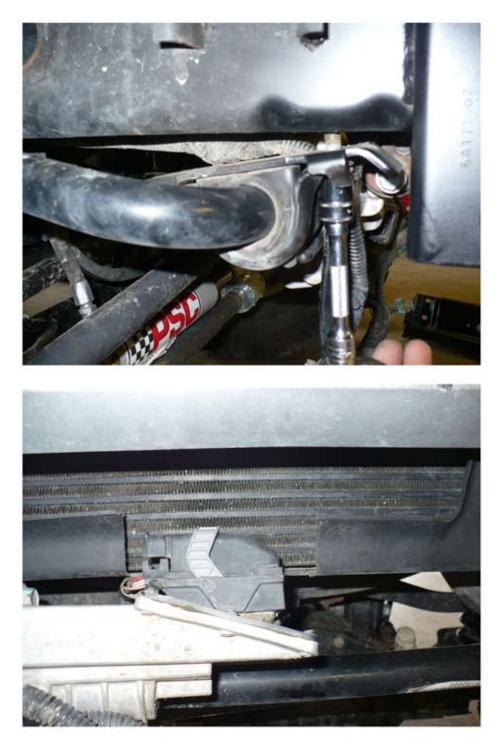


5. Remove the bottom rear bolt in the disconnecting stabilizer bar housing as shown

6. Remove the disconnecting stabilizer bar tension link bolt.



 Loosen the front stabilizer bar retainer bolt on the passenger side to lower the stabilizer bar enough to rotate the disconnecting stabilizer bar unit up and in front of the radiator. You will need to notch the lower radiator plastic cover to clear the electrical plug.



- 8. Tighten the front stabilizer bar retainer bolt. To 45 ft-lbs.
- Install the M10 x 100 bolt with a 3/8" washer and sleeve thru the stabilizer bar tension link into the disconnecting stabilizer bar housing where you removed the bolt in step 5. Tighten to 20 ft-lbs.



10. Install the winch mounting plate, line the holes up with a few bolts to hold it in position.



11. Install the frame nut plates to the side of the winch mounting plate. Use the ½ x 1 bolts with flat washers. The nut plates are R and L so install them as shown. Leave these bolts loose until you install and tighten the bumper bolts.



Figure 1



12. Install the bumper with the ¹/₂" carriage bolts. The 4 longer carriage bolts go thru the inner holes and thru the winch mount. The 2 shorter ones go in the outer bumper holes. Use a flat washer and a lock nut. Tighten the bumper bolts first then the winch mount side bolts to 60 ft-lbs.





13. Install the winch and fairlead at this time before the skid plate is installed. A hawse type fairlead is required; a roller fairlead does not fit in the bumper. The hook on the front of the winch mount is provided to hold the hook when the cable is spooled in, it is not a tow or recovery point.

The bumper and winch mount installation is now complete; proceed with the remaining instructions if you are installing the Poly Performance 5410-03 or 5410-03-RUBI skid plate.

14. Install the skid plate outer frame nut tabs. Use a ¹/₂" x 1 bolt and flat washer in the middle hole in the frame bracket. Do not tighten this bolt yet; leave it loose enough to move around to install the lower bolt thru the skid plate.





15. Position the skid plate over the frame side brackets and under the tabs on the bumper, loosely install the ½ x 1 bolts and washers thru the frame side brackets into the lower hole in the nut tab.



16. Position the rear stabilizer bar bolt spacer between the skid plate and stabilizer clamp. Loosely install the new M10 x 90 bolts and use a 3/8" flat washer. Do not tighten yet.



- 17. Install the four 3/8 x 3/4" long bolts thru the front of the skid plate and into the tabs in the bottom of the bumper. You may need a tapered alignment bar to align the holes in the skid plate to the tapped holes in the bumper tabs. When all the bolts are installed, tighten to 20 ft-lbs.
- 18. Tighten the rear M10 bolts in the stabilizer clamps to 45 ft-lbs
- 19. Tighten the 1/2" side bolts to 60 ft-lbs
- 20. Installation of the bumper, winch mount and skid plate is complete.

End