



SYNERGY MFG. 870 INDUSTRIAL WAY, SAN LUIS OBISPO, CA (805) 242-0397



POLY PERFORMANCE MFG. 870 INDUSTRIAL WAY, SAN LUIS OBISPO, CA (805) 242-0397

PPM-5205 Jeep TJ / LJ / YJ Cage Tie-In Kit

Version 1.1

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.
 - This is a weld on roll cage tie in kit that is strongly recommended to be used with our roll cage kits.
 - All welding should be performed by an experienced welder with proper welding equipment.
 - This kit is designed to be used with our PPM-5203 Jeep TJ / LJ Front Cage Kit or our PPM-5231 YJ Front Cage Kit.
- 1) Installation of this Tie in Kit should be done after roll cage is tacked or fully welded into place.
 - 2) Once A-pillar base plates have been determined / located, mark and drill the holes in the floor. Use the A-pillar base plate as a template and drill 4 x 3/8" - 25/64" holes in the floor of the Jeep.



- 3) With holes drilled in the tub, bolt up the bushing mount bracket and bushing under the floor of the Jeep. Tighten all 4 3/8" bolts to locate the bushing in its final place. Use a washer under both the bolt head and the nylock nuts provided in the kit.
- 4) With bushing mount bracket secured in place, begin fitting cage tie in tubes.
- 5) Start by tacking frame plate in place.
 - a. Use the tie in tube as a guide to determine frame plate location.
 - b. Next, fit tube in place and tack to the bushing side only. Securely tack the tube to the bushing, being careful not to melt the bushing. (**NOTE** This kit comes pre notched / fitted for our TJ / LJ cage. If installing into a YJ, grind off approximately 3/8" from the cut edge and fit accordingly as shown in Pic 5.1b)



Picture 5.1b

- 6) Remove the tube / bushing assembly from the Jeep
- 7) Remove the sleeve and bushings from the bushing tube and fully weld the frame tube to the bushing tube. (**NOTE** this is a good time to paint the tube assembly as to reach all sides of the tube to prevent rusting. Just mask off the frame end for final welding)
- 8) Reinstall bushings and reinstall welded tube assembly back into the bushing mount bracket.
- 9) Fully weld as shown below.



- 10) Paint frame and remainder of tube to prevent rust. Torque 3/8" bolts to 45 ft-lbs. Torque the large 1/2" bushing bolt to 110 ft-lbs. Again, be sure to use a washer under both the bolt head and the stover nut.