



PPM-5221 JK 2 & 4 DOOR FRONT CAGE KIT

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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 in roll cage kit, all welding should be performed by an experienced welder with proper welding equipment
 - Use in conjunction with PPM-5222; 2 dr rear cage kit or PPM-5224; 4 dr rear cage kit.
 - This kit works with either a soft top or hard top
 - Use extreme care when welding and grinding in the interior of your Jeep, remove or cover any components you do not want welding spatter or grinding sparks to damage.
1. Remove the hard top or soft top, if using a soft top, remove the door surrounds.
 2. Remove the sound bar, sun visors, front upper corner trim, and windshield support bar padding.
 3. Position the new B-pillar cross bar bracket on the rectangular shaped B-pillar. The triangle points forward so the holes in the bracket and in the B-pillar are aligned.



4. Mark the edges of the bracket and sand the paint off to prep the weld area, reposition the bracket and tack weld it on.

5. Position the A-pillar cross bar (windshield bar), the tube goes forward against the windshield brackets. Sand the paint around the windshield support bar for welding.



6. Position the A to B pillar spreader bars, the rear of the bars fit in the cut-outs of the B-pillar cross bar bracket, align the front so the bars are parallel and square to the A and B pillar cross bars and tack weld them into place, you can go ahead and finish weld the bars now if you want



7. Weld the B-pillar cross bar bracket. Weld the top, front and back edges. Weld along the bottom edges as shown in the picture below



8. If you are using a rear cage kit install that section now per the instructions included in that kit.
9. Next install the A-pillar floor plates by removing the floor side trim and pulling up the carpet to access the bare floor.
10. Position the floor plate as shown, the outer edge of the floor plate should touch side of the jeep kick panel. Center punch and drill 3/8" holes in the floor. The picture below shows the passenger side.



11. Position the A-pillar upright tubes between the floor plates and windshield support bars, the tubes should hit the front of the floor plates and the windshield support bar in front of the A-pillar cross bar. Make sure there is a slight amount of clearance to the dash and that the doors clear the tube. Position the dash bar with about a 1/2"

clearance to the top of the dash. You can twist the a-pillar uprights to align to the dash bar better if you need to. Tack weld the A-pillar uprights to the floor plates, remove the tube and floor plate and weld the floor plates to the A-pillar upright tubes. It is a good idea to paint the upright tube and floor plate and dash bar before you weld into place.





An optional ID tube clamp is shown that allows the dash bar to be removed

12. Install the welded and painted A-pillar uprights and floor plates, tack weld the top of the upright to the windshield support bars and bolt the floor plate to the floor. Reposition the dash bar and tack weld to the A-pillar upright tube. You can finish weld the top of the A-pillar upright and dash bar if you want to now.

13. Position the grab handles to the A-pillar upright and windshield support bar. The grab handle should locate just to the rear of the hole in the windshield support bar for soft top door surround. It would be a good idea to install the door surround to locate the grab handle. You can weld the grab handles in at this time.



14. Finish any welding and paint the new tube and welded areas.

17. Trim and install the windshield support bar padding. You will have to cut off the end of the padding to clear the cross bar. The cutout for the soft top door surround will fit around the grab handle.

