

Jac 1900D frame repair – Bill Carr

For those of you that may own one of these this may save you some grief. As you can tell in the below photo the framing that supports the rear reel broke completely off. The left side of the framing seems well supported but the right side lacks. On the pivot pin it had appeared at one time someone had put in two cotter pins on both sides-apparently on the left side there is supposed to be a locking bolt on the cotter pin to keep the pin from spinning. With no locking mechanism in place, the pin warped out the holes in the framing and caused undue stress to the frame, resulting in a breakage. Note in pic the piece I am holding I already rewelded the hole completely shut and redrilled.



After tacking the piece in place, temp welded a support bar across to keep the piece from warping while doing the hard weld. The mig was a lifesaver as it is real tight in there.



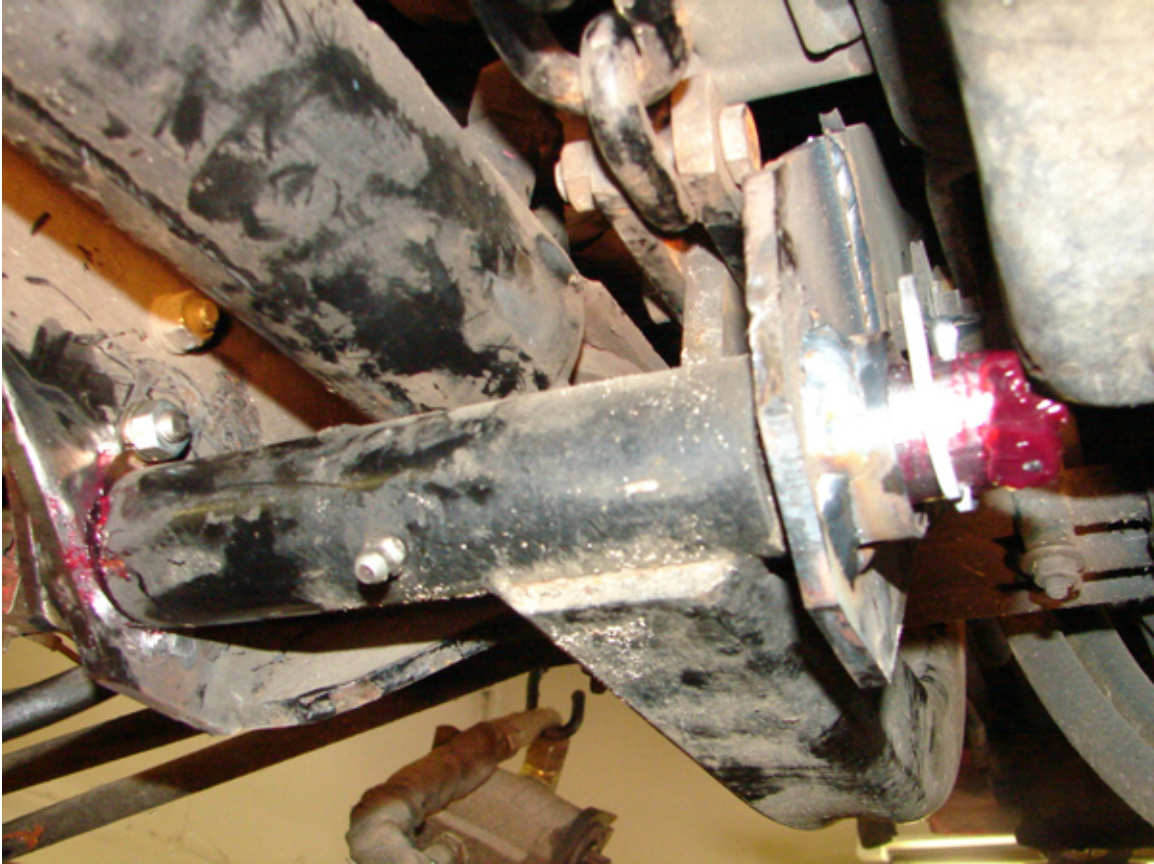
To aid in further support for the pivot rod, on each side of the framing I welded on a bearing lock collar.



To keep the rod from spinning, took a piece of flat stock and welded it to the rod and drilled another hole for a bolt to lock it into the frame in the existing hole in the frame. Much greater strength than the original design.



Now everything is in place, new rod and lift arm inserted and bolted in place, temp support cut out.



Once all satisfied with the fit, checked the amount of up and down movement of the lift arm, then welded in a piece of flat stock between the left and right framing in the front for added strenght. (Guess I didn't get a pic of that) It was put in just above the pivot arm zerk so I would still be able to grease it but not in the way of the arm movement. Yes it was a bit of work but the effort should pay off well. Much superior strenght than the original design. Without a lift this job would have been darn near impossible. For those of you that do own these, make sure to check this area out on you machine. It is vital that the pivot rod remains stationary to keep from lopping out the holes and eventually ending up with a major breakage. Hope this may help ya out.