



INSTALLATION INSTRUCTIONS –XJ and ZJ GRAND CHEROKEE Steering Box Brace With Sector Shaft Brace

**HEY! READ THESE INSTRUCTIONS! FULLY! THIS INSTALL
IS PRECISE!**

It is strongly advised that a professional mechanic install these and all suspension and lift parts. It is the sole responsibility of the installer to know how to set the vehicle to all proper specifications, as improper installation will void your warranty. IronMan Fabrication and 4X4 is not responsible for improper installation, lack of maintenance, abuse, and all other negligent acts leading to the failure of any components based on the improper installation of this product.

This install can be done with the vehicle on the ground. We do not recommend lifting the front tires off the ground as alignment issues may ensue. Do not turn steering wheel while pitman arm is removed. **OFF ROAD USE ONLY!**

IMPORTANT:

- Remove sway bar from frame and retain factory sway bar bolts or keep for spares as new hardware is included.
- Unbolt pitman arm and use puller to remove.
- It often helps to tap the drive nut of the puller with a hammer when its tight to “shock” the splines and help break the pitman arm free.
- **Tighten the clamp closest to the driver side to a 1/8” gap as you cannot access it once in place. Tightening the opposing side when installed fully tightens the entire clamp.**
- **Mock the brace up into place. Be sure to snug down the bolts on the frame mounts but not to torque. (loosen right before bolting up the bearing)**
- Re-install pitman arm using the new Ironman pitman arm sleeve nut. Set to torque. **(Mock in without pitman arm if you are concerned about fitment issues from abused or bent/cracked chassis)**
- Slide bearing unit onto shaft of sleeve nut and eyeball alignment with the threads on the thread bosses. **(Ironman will not warranty cross threaded bosses from incompetent installers)**

- If they are misaligned, (this is expected as the box moves like crazy) use a pry bar between the brace and the pitman arm to line them up and thread in the 1/2-20 bolts 5-7 threads deep to ensure proper engagement. Prying helps alignment of both sides! keeping the main bolts to body loose as well helps as when tight they can misalign the holes!
- Once both sides are threading properly tighten up the bolts evenly pulling to bearing up until it is seated. Set to 60 ft lbs.
- Tighten clamp bolts firmly around steering box to 80 ft lbs. **Please note: clamp bolts are very tight in clamps on purpose! This keeps the steering box tight. No whining!**
- **(ZJ ONLY) Remove the 4 sway bar bolts and mount the sway bar back into place. Torque the bolts to factory spec.**
- Tighten the 6 or 8 frame bolts to factory spec and check steering for clearances.
- Go find a trail and have fun!