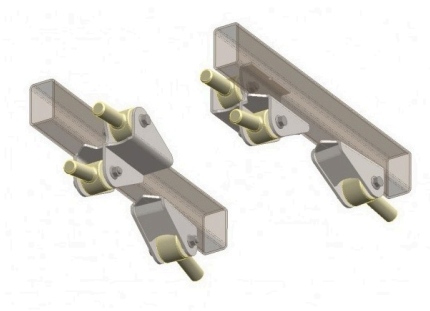
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Long-Arm Bracket Kit Install Instructions

'97–'06 Jeep Wrangler TJ & '04–'06 Wrangler Unlimited LJ



These weld-on frame brackets correct the suspension geometry of off-the-shelf long-arm kits and improve ground clearance. They're made for long arms from Rough Country, Rusty's or Rubicon Express, and others will likely work. You don't need the long-arm kit's own frame brackets; many customers buy just the arms.

Included: (2) front frame brackets for the front lower arms and (2) rear frame brackets, one per side, each holding the rear upper and lower arm.

Welding required. The brackets ship bare so there's no coating to burn off. Paint them after welding.

> **Rough Country TJ arms:** on a TJ, the Rough Country rear upper and lower arms must be shortened 5" to work with these brackets. On an LJ, Rough Country TJ arms work without modification.
>
> **Front flex-joints:** the front lower arm flex-joints must be at least 5" long from the center of the ball to the end of the threaded shank. If yours are shorter, move the front brackets forward by the difference.
>
> **Fuel and brake lines:** on each side, the fuel and brake lines run through a channel between the rear bracket and the frame. Protect them from heat and spatter while you weld.

Before you begin

Support the vehicle on jack stands and disconnect the battery before welding. Set the parking brake, and put an automatic transmission in Park or a manual transmission in gear. Read these instructions all the way through before you start, and call us with any questions. Under Cover Fabworks assumes no liability for accidents from the use (proper or improper) of these instructions.

Front brackets

1. Hold each front bracket against the bottom of the frame rail so the center of its bolt hole is **27 3/8"** behind the back of the front coil bucket. Measure with a tape. This is the same on the TJ and LJ.
2. Angle the bracket so it points directly at the front lower control arm mount on the axle housing. It won't look square to the frame; that's correct.

3. If your flex-joints are shorter than 5", move the bracket forward by the difference (see the note above). Tack the bracket in place.





Rear brackets

4. Measure back from the back side of the front body mount to the front edge of each rear bracket: **33 1/4" on a TJ** or **38 1/4" on an LJ** (Figure 1).

5. Hold the bracket against the frame rail so the fuel and brake lines pass through the channel between the bracket and the frame, then tack it in place.

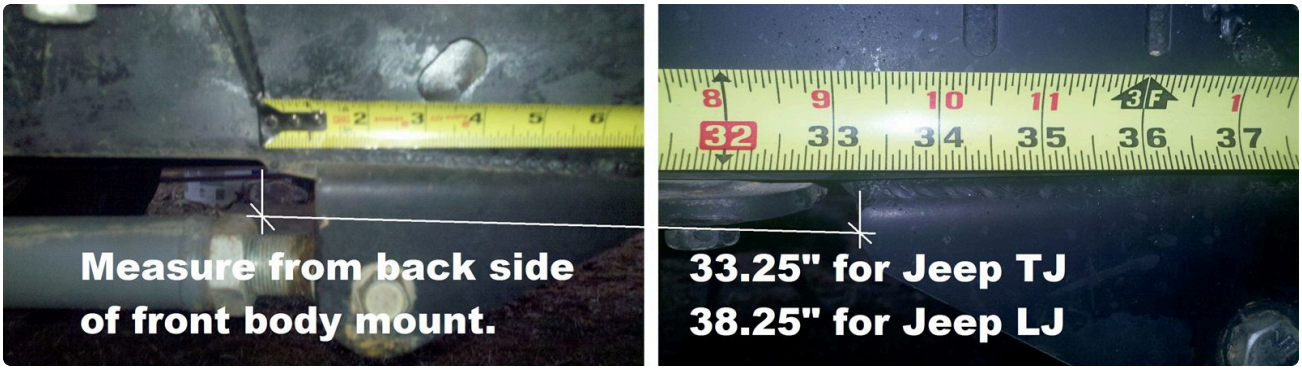


Figure 1: Rear bracket position.





Check, then weld

6. With all four brackets tacked, recheck every measurement and compare side to side. Fix anything that's off now, before final welding.
7. Shield the fuel and brake lines from heat and spatter, then weld the brackets in place. Let them cool and paint all bare metal.

Control arms

8. Set the front lower arms to **30"** from the center of the front bushing to the center of the flex-joint, and install them (Figure 2). This is the same on the TJ and LJ.
9. Set the rear arms (center of bushing to center of bushing) and install them. **TJ:** lowers 22 3/4", uppers 24". **LJ:** lowers 27 3/4", uppers 29". These are the final settings, but you may need to adjust them to set your pinion angle.
10. Install the front upper arms and set caster to factory specifications.
11. Tighten all arm hardware to the arm manufacturer's specifications.



Figure 2: Setting arm length.

That's it. Thanks for choosing Under Cover Fabworks. Call or email us with any questions.