



Protecting Your Adventure Lifestyle

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SR 180-3 SYSTEM **WRANGLER** INSTALLATION INSTRUCTIONS

***** READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION *****

To install your WARRIOR SR 180 SYSTEM, be sure your jeep is on a level surface before removal of front wheels and tires. You will need jack stands or a way to support your axle and your chassis before you begin installing your new kit. If you have after market springs you must verify your vehicle wheel base. The original location of your housing is very important, measure your wheel base before beginning any work. Remember, your new kit was designed to fit with all factory springs. After market springs may alter this wheelbase and your new kit may have to be adjusted accordingly. Please read the instructions completely and understand all the provisions before you begin. If you have any questions about your installation, call our factory direct technical department and ask for assistance at 1-888-220-6861. *****CALL IF YOU HAVE AFTERMARKET LEAF SPRINGS. We will be glad to assist you.

***** ALL WELDING MUST BE DONE BY A CERTIFIED WELDER *****

- 1) Make all necessary measurements and make notes before jacking vehicle and removing wheels.
- 2) Jack up front of jeep, put on frame supports (jack stands). Behind the rear of the front leaf springs, firmly place on the frame to suspend entire front of jeep off the ground. Be sure jeep is level and secure. Shake jeep to be sure it is stable.
- 3) Remove front wheels for ease of installation.
- 4) Remove front u-bolts (4). Raise front housing up and out of your way with a floor jack, support housing with additional jack stands.
- 5) You should now be able to remove both front leaf springs completely from the jeep. Remove the stock spring bushings on both ends of both front leaf springs and replace with the polyurethane bushings supplied in your kit.
- 6) Remove both front shackle brackets from your frame. The shackle hangers on the frame are welded and must be cut off and all surfaces smoothed for installation of WARRIOR front cross member.

***** IF YOU ARE IN DOUBT, CALL FACTORY BEFORE WELDING *****

- 7) Install WARRIOR front cross member to front frame horns. There are two holes on the frame horns; they are used to attach the stock bumper to the frame. Your WARRIOR front cross member leaf spring mounting hole is directly in line with these two holes. Using a straight edge between the two holes will help locate the front cross member on the front frame horns.
- 8) Weld around the entire top of frame bracket, both sides, front and back. Be sure to reinstall bumper bolt if it was removed, before installing front leaf springs.
- 9) Remove front leaf spring rear-frame brackets from the frame. Clean frame thoroughly before welding.

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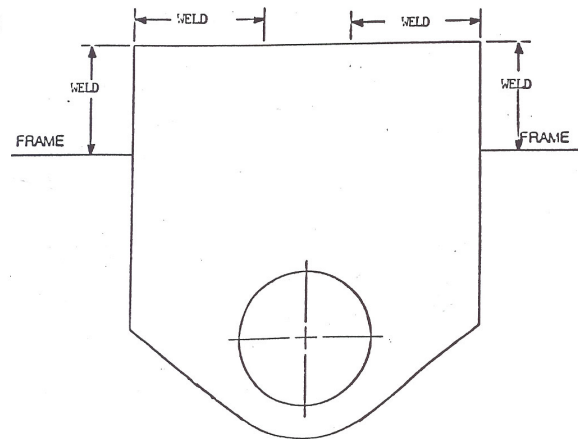
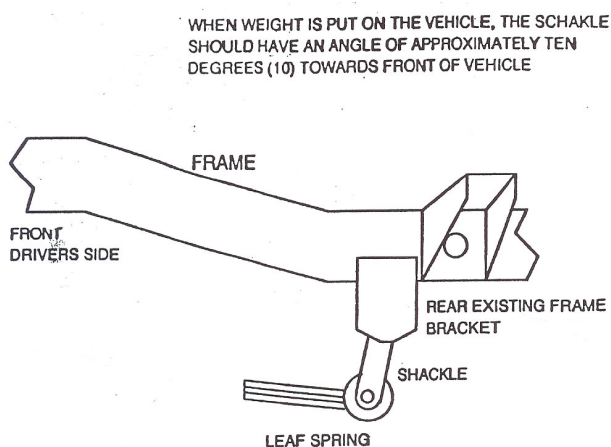


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- 10) Measure 45" from the center of the front leaf spring mounting hole on your new WARRIOR front bracket to the frame, make a scribe on the frame. Clamp rear WARRIOR bracket to frame so measurement of 45" is centered in middle of hole in rear bracket. Before welding be sure your new shackle will look like the picture A-4. If your not sure install the front leaf spring in the WARRIOR front bracket, install your WARRIOR H-shackle to the rear of the spring, install new bushings in the WARRIOR frame bracket, hook up the H-shackle to the frame bracket and compare to picture A-4. Do not tighten bolts. If necessary, adjust the frame bracket on the frame slightly to make it similar to picture A-4. The shackle should be straight down to approximately 8% forward but no more.
- 11) Proceed with welding of the frame bracket in accordance with picture A-5. IMPORTANT: do not weld completely around frame bracket but only in accordance with picture A-5. Not abiding by this welding pattern will void all warranties.
- 12) If not done in step ten above, install front leaf springs with your WARRIOR H-bracket. The front bolt is a 4" x " brass plated and rear bolts are 4" x " zinc plated. Tighten front leaf spring bolt to 45 ft. lbs., rear leaf spring bolt to 35 ft. lbs., and shackle frame bracket to 35 ft. lbs.
- 13) Lower front housing onto leaf springs, be sure leaf spring locating pin is in correct location, reinstall front u-bolts, and replace all that were stripped upon removal, not supplied in kit. Torque to factory specifications.
- 14) Install front wheels and tires, tighten to factory specifications.
- 15) Check all bolts for tightness, yes again.
- 16) Paint all welds after they have had time to cool.
- 17) Lower jeep to floor and test drive. Please inspect all bolts for tightness and all welds for fractures.
- 18) Enjoy the way your jeep now drives with your SR-180 SYSTEM.

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