



Protecting Your Adventure Lifestyle

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SR 180-8 SYSTEM

All Landcruiser FJ-40 thru 8/80

INSTALLATION INSTRUCTIONS

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

To install your WARRIOR SR 180 SYSTEM, be sure your vehicle 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 the wheel base 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. Keep in mind these are basic instructions and cannot take into consideration unique situations you may encounter. Access to a good shop manual may help with parts not directly related to the kit.

- 1) Make all necessary measurements and make notes before jacking up the vehicle.
- 2) Jack up front of vehicle, placing jack stands behind the rear of the front leaf springs. Be sure vehicle is level and secure with tires about 3" off the ground. Shake vehicle to ensure it is stable.
- 3) Remove steering stabilizer and disconnect the shocks. You will later need to replace the steering stabilizer with an after market unit between the axle and the tie rod.
- 4) Remove the front bumper and the front drive shaft.
- 5) Disconnect the leaf springs, both ends, and shackles from the frame. Lower the axle housing with the leaf spring. Be careful not to over extend the brake line hose.
- 6) Cut spring and shackle hangers, and bumper brackets, off the frame. Upon reinstallation, the holes in the bumper brackets must be elongated 3/16", where they bolt to the bumper on the outside of the frame, to compensate for thickness of the spring hanger.

Note: The hangers and bumper brackets are riveted and welded. You will need to remove rivet heads and welds with a small grinder, drill or cutting torch. It may be necessary to use a hammer to knock the old hangers from the frame.

- 7) Install the front spring hanger which is mounted flush with the frame. (illus.) Clamp in place and drill through the Reverse Shackle Hanger, into rivet holes in the frame, and bolt in place.

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- 8) The shackle hanger at the rear of the spring should be set 42 3/8" from the front shackle hanger. Measurement is taken in a straight line, from center to center, between the large holes where the spring mounts. (Remember that after market springs may alter this measurement)
 - 9) The axle bump stop must also be relocated. The angle cut rectangular tube should be mounted on the frame using the original bolts so as to move the original axle bump stop rearward. (illus.) New hardware to secure the bump stop to the spacer is provided.
 - 10) Repeat procedure for front mounts to install the rear mounts.
 - 11) Torque all 7/16" bolts to 65 ft. lbs.
 - 12) Check all bolts for tightness again and test drive. After 50 miles of driving, check them again!
 - 13) Enjoy the way your Landcruiser drives now with your new SR-180 SYSTEM.

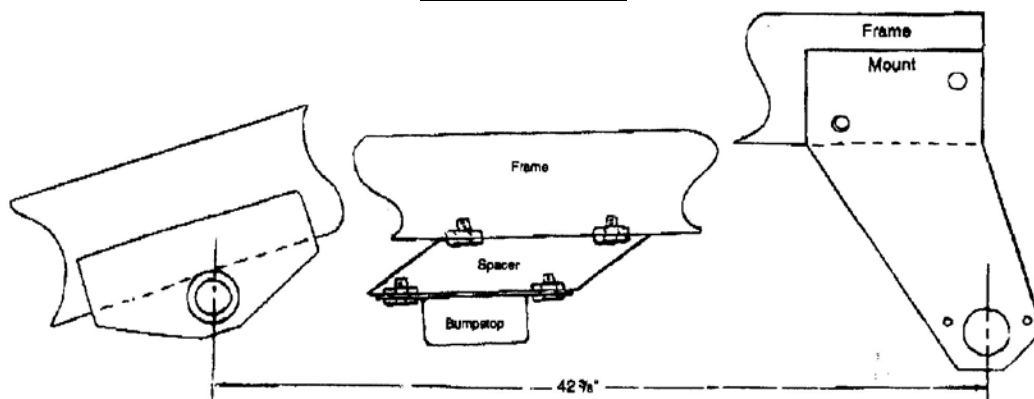
NOTE: Rear shackles (Part # 125) may be needed to bring the rear of the vehicle back to level after installation of the 180-8 System. Heavy duty front shackles (Part # 140) are also available.

WARRIOR PRODUCTS

11100 SW INDUSTRIAL WAY, TUALATIN, OREGON 97062 888-220-6861

***Be sure and visit warriorproducts.com and Blacknightonline.com**

Illustration



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