



WJ Radiator Support - Installation

1999-2004 Jeep Grand Cherokee WJ
Part number: DPL-WJ-RSP, Revision 3/30/18

Thank you for purchasing the Trail Forged WJ Radiator Support. We hope you will be as pleased with this product as we are. Tag us in a review on Facebook and we'll hook you up with 10% off your next order. We love seeing pictures of our products in action too; send photos to info@trailforged.com or tag us on FB or IG for a chance to be our feature rig.

Installation should only be performed by an experienced mechanic, if you do not have all the necessary tools, experience, or confidence to undertake this project, please seek help before beginning. This should only take a few hours start to finish, so let's get to it.

Step 1: Remove factory bumper cover. This allows you to gain access to the factory hydroformed radiator support, so it can be removed prior to installation of our replacement. To remove the factory bumper cover, start by disconnecting the fog lights and any other wires connecting between it and the body.

Step 2: Remove the fasteners for the grill. There are 4x 6mm bolts on top of the grill (under the hood), and 3 within the lower portion of the grill slots. Note: on some models these may be phillips screws instead. Once the fasteners are removed, the grill can be removed from the vehicle and set aside.

Step 3: Remove the 3x 6mm fasteners at the very bottom of the bumper cover anchoring it to the factory radiator support. The lower half of the bumper cover should hang free of the structure, At which point you are ready to remove the fasteners for the bumper cover itself. The final fasteners are two 10mm bolts facing downward out where the bumper cover meets the fenders (which can be accessed by pulling the fender liner out of the way). With all fasteners removed, the bumper cover is only being supported by plastic tabs on the fenders, and can be wiggled free. Remove and set bumper cover aside.

Step 4: Cut off factory hydroformed metal radiator support. A sawzall or angle grinder works well for this. Once cut free, it will be ready to fall off the vehicle so complete the last few inches carefully. Once removed, the factory piece can be disposed of. (Note: There are rubber isolators on the bottom of the radiator that may come off with the factory support, keep these as they are to be reused with your new component). See photo 1.

Step 5: Grind down angled seam below frame rail to flatten out mounting area. See photo 2.

Step 6: Start installation of replacement radiator support. Begin by placing the nut plates inside the frame rails corresponding to the two holes in the



frame rails. The new support will bolt through these two holes per side, and thread into the nut plates provided.

Step 7: Raise radiator support up to the bottom of the chassis, taking note to align the feet of the radiator (with rubber isolators) with corresponding holes on the support itself. The radiator is rubber mounted higher on the chassis at this point, so it has some wiggle room to dial in final alignment. Before installing bolts, insert spacer plates on each side to space the support down from the frame rail by 3/16". This is necessary, and the spacer plate is designed to accommodate future frame rail reinforcements if one of our bumpers is to be installed at a later date. Torque 7/16" bolts to 58 ft-lbs. See photo 3.

Note: if you have an aftermarket bumper that has a mounting plate below the frame rail already, do not double stack with provided spacer, install radiator support directly below aftermarket bumper plate.

Step 8: At this point, the installation of the radiator support is complete. If reusing the factory bumper cover, it can be reinstalled at this point by reversing the removal process in Steps 1-3. If the factory bumper cover is not being reused, you may wish to cut the grill component off the cover to allow the reinstallation of the grill separately.



Notes: These instructions are meant to be a general guideline and not a factory certified service procedure. We are not responsible for any failures or issues that may arise in others' installs. This product is intended **for offroad use only**, vehicle owner assumes all responsibility by purchasing and/or installing this product.

Returns: All returns must be complete within 30 days of purchasing, in original packaging, unmodified, and as shipped in uninstalled condition. Buyer must contact Trail Forged to receive a return authorization before returning product. Buyer pays return shipping. Returns are subject to inspection, and a 15% restocking fee.