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INSTALLATION INSTRUCTIONS

Ford Raptor Helper Springs

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION.



SAFETY: BEFORE STARTING YOUR INSTALLATION, PARK YOUR VEHICLE ON A FLAT LEVEL SURFACE, SET THE PARKING BRAKE, AND CHOCK THE FRONT TIRES.

IMPORTANT NOTES:

1. YOUR SPRING MAY HAVE A SMALL HOLE IN THE END. THIS IS FOR OUR MANUFACTURING PROCESS AND WILL NOT BE USED.
2. HELLWIG HELPER SPRINGS ARE DESIGNED TO INCREASE THE "LEVEL LOAD" CARRYING CAPACITY OF YOUR VEHICLE. NEVER LOAD THE VEHICLE THAT THIS UNIT IS INSTALLED ON BEYOND THE MANUFACTURER'S MAXIMUM GROSS VEHICLE WEIGHT RATING.
3. LIFTING THE VEHICLE BY THE FRAME MAY AID IN INSTALLATION. BE SURE TO FULLY SUPPORT THE VEHICLE WITH JACK STANDS BEFORE CRAWLING UNDERNEATH.

COMPONENTS:

- (2) Main Leaves
- (2) 2nd leaves
- (8) 1/2" U-bolts
- (2) Crossbar Bags
- (2) 9/16" Hardware Bags
- (2) Rectangle Bushings
- (2) Oval Bushings



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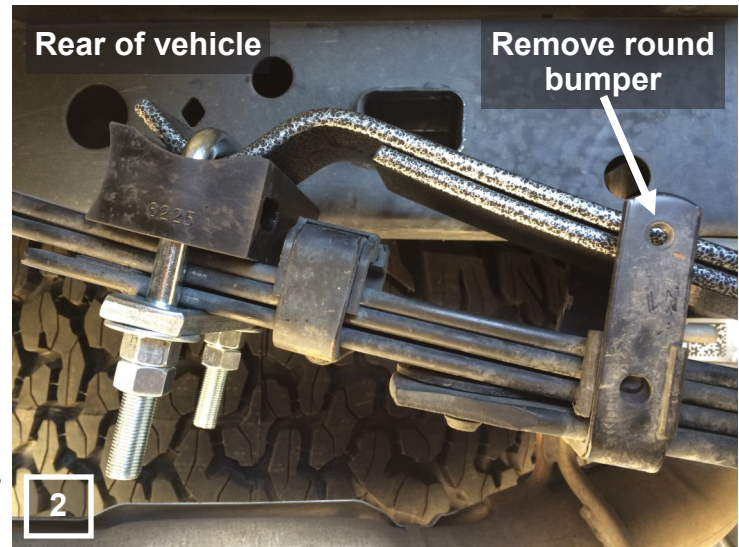
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TOOLS:

- 3/4" Deep socket & ratchet
- 3/4" Wrench
- Torque wrench
- 5mm Allen wrench

STEPS:

1. Lay out the spring leaves into two (2) sets. Each will consist of a long leaf and a second shorter leaf. Lay the leaves so that the long ends are all in the same direction and stack the leaves so that the main leaf is on top.
2. Your vehicle may be equipped with a round rubber bumper on top of the factory leaves behind the rear axle. If present, remove it as shown in photo 2.
3. Place the spring stack on top of the main spring with the long end toward the rear of the vehicle. Slide fore/aft as necessary for best fitment.
4. Place the longer U-bolts in the cups at the ends of the springs with the bushings between the main spring and the helper. The rectangle bushings sit horizontally toward the rear of the vehicle with the flat side down as shown in picture 2. The oval bushings sit toward the front. Loosely install the x-bars with provided hardware. Leave loose at this time.
5. Place the shorter U-bolts on either side of the "Hat Section" of the spring. The U-bolts should be fastened as close to the hat section as possible. Install the crossbars using the provided hardware and torque to 60 ft.lbs. and double nut
6. Tighten the rear U-bolts so the ends of the spring sit snugly against the bushings and double nut. Tighten the front U-bolts until the bushing touches in the center and double nut. The bottom of the leaf cup should be approximately 1.25" away from the top of the factory leaf pack. Do not torque to 60 ft.lbs
7. Check your installation for clearance on all undercarriage components: wires, fuel, brake, and air conditioning lines. Test drive the vehicle and recheck your installation, adjust as needed. Recheck periodically thereafter.



ATTENTION INSTALLER: BE SURE THAT THE CUSTOMER RECEIVES THIS INSTRUCTION SHEET, ALL IMPORTANT NOTE CARDS AND THE WARRANTY FORM.

Maintenance and Inspection:

Your Hellwig Suspension Product is built to last. However, as with all vehicle systems, it requires routine inspection. Inspect your Hellwig installation looking for secure hardware and tight fitting brackets and bushings. If you do not perform this inspection, have your professional mechanic inspect as described.

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Hellwig Products Company, located in Visalia, California was founded in 1946 with solutions for load control of loaded passenger cars. The family operated company produces components for trucks, RVs, muscle cars and military vehicles. Hellwig is ISO9001 certified and is proud to develop, test and manufacture products in the USA.