

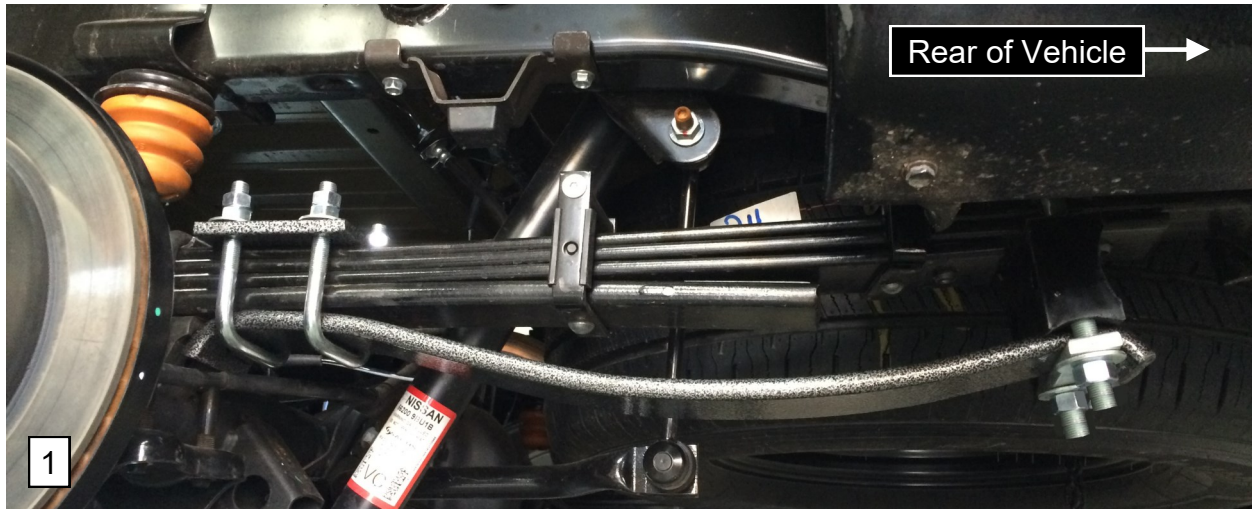


INSTALLATION INSTRUCTIONS

Frontier 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.

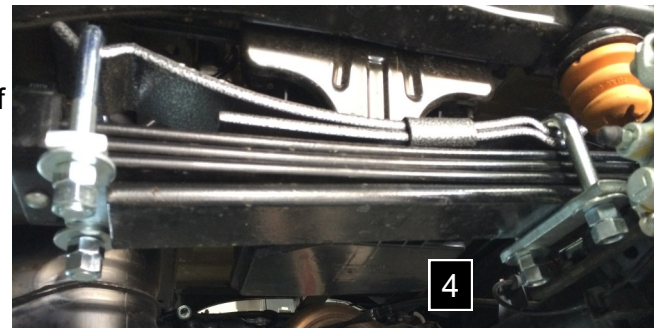
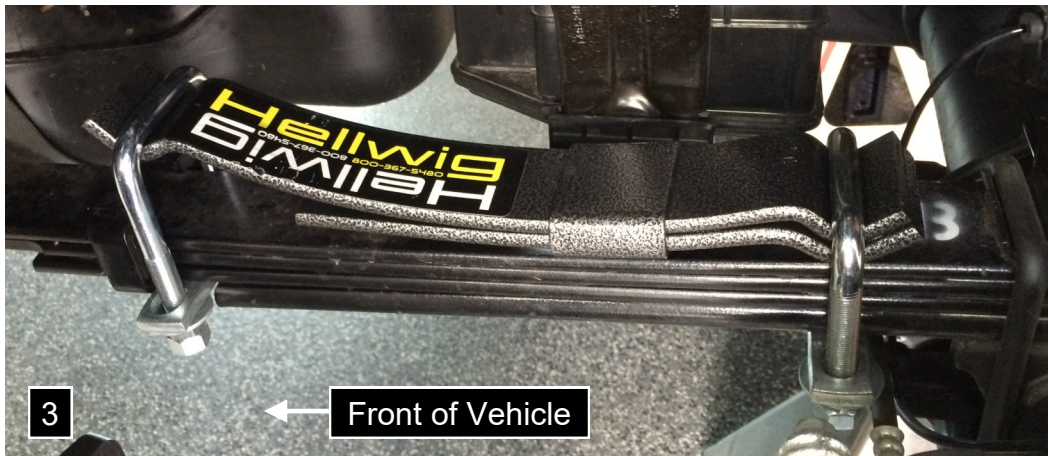
IMPORTANT NOTES:

1. IT MAY BE NECESSARY TO LIFT THE VEHICLE BY THE FRAME FOR EASIER INSTALLATION. FULLY SUPPORT THE VEHICLE WITH JACK STANDS IF LIFTING IS REQUIRED.
2. YOUR SPRING MAY HAVE A SMALL HOLE IN THE END. THIS IS FOR OUR MANUFACTURING PROCESS AND WILL NOT BE USED.
3. 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.

STEPS:

1. For easier installation, lift the vehicle by the frame until the tires barely touch the ground and fully support with jack stands.
2. Use the 7/16” U-bolts, five hole plate and 7/16” hardware to attach the single leaf helper to the underside of the factory leaf springs as shown in photo 1. The flat side of the spring goes towards the axle. Leave loose at this time.
3. Place the longer 1/2” U-bolts over the factory spring behind the helper spring and slide the polyurethane blocks over the u-bolts so the flat side is against the factory spring. Place the block vertically for more support or horizontally for less support. Slide the U-bolt & block forward so the block is between the factory spring and the helper spring as shown in photo 2. Attach the rear end of spring with cross bars, washers and lock nuts as shown in photo 2. Tighten until the polyurethane block begins to bulge. Do not over tighten as it can damage the polyurethane.





5. Torque the 7/16" axle side U-bolts to spec and double nut.
6. On the front of the spring, place the double leaf on top of the factory spring with the clamped side near axle as shown in photo 3.
7. Place the shorter 1/2" U-bolts in the cups at the ends of the spring near the axle as shown in photo 3. Loosely install the crossbars using washers and regular nuts.
8. Place the longer 1/2" U-bolts in the cups at the opposite ends of the spring. Loosely install crossbars using washers and regular nuts as shown in photo 4. Move the spring fore or aft as necessary for best fitment.
9. Torque the axle side U-bolts to spec and double nut.
6. Adjust the U-bolts at the end to desired preload. The minimum tension adjustment is having enough tension on the end U-bolts so that they do not loosen or rattle and move when the vehicle is driven over rough or bumpy surfaces. Maximum adjustment is when the leaf cups have been deflected two inches from their free state. **DO NOT EXCEED THE MAXIMUM ADJUSTMENT OF 2 INCHES.**
7. When adjustment is complete, double nut to lock in adjustment.
8. 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 on a periodic basis thereafter.

TORQUE TABLE:

BOLT SIZE: 3/8" = 20-30 ft. lbs. 7/16" = 35-45 ft. lbs. 1/2" = 50-70 ft. lbs. 9/16" = 70-90 ft. lbs.

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. If you do not perform this inspection, have your professional mechanic inspect as described.

THANKYOU FOR PURCHASING A QUALITY HELLWIG PRODUCT

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