

# Hellwig PRODUCTS.com

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## INSTALLATION INSTRUCTIONS

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION

**SAFETY: PARK YOUR VEHICLE ON A FLAT LEVEL SURFACE, SET THE PARKING AND CHOCK THE FRONT TIRES.**

**SAFETY: ONLY INSTALL ONE SIDE AT A TIME.**

**NOTE: SPRINGS MAY HAVE A SMALL HOLE IN ONE END, THIS IS FOR MANUFACTURING PURPOSES AND IS NOT USED IN THE INSTALL.**

**NOTE: IF YOUR VEHICLE IS EQUIPPED WITH A BRAKE FLUID PROPORTIONING VALVE ON THE REAR AXLE READ INSERT (R-362)**

**IMPORTANT NOTE: 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.**

### TORQUE TABLE

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

1. From one side of the vehicle, remove the U-bolts from the axle and the stock leaf spring pack and disconnect the brake line tab from the spring retainer.
2. Raise the vehicle by the frame to allow the factory leaf to separate from the axle.
3. Undo the factory center bolt and remove the bottom two, thick overload leaves.
4. Bolt the spring retainer bracket in the countersunk hole on the third Hellwig leaf.
5. Assemble the Hellwig springs into two identical 5 leaf packs with the longest leaf on the top. The springs have one side longer than the other (measured from the center hole). Make sure all long ends are facing the same direction.
6. Slide the Hellwig leaves under the factory leaves with the retainer/shorter side to the front and use the included center bolt to hold them together as shown in Photos 1,2 and 3. Cut off the excess center bolt once it is tightened.
7. Lower the vehicle back onto the axle making sure the center bolt head goes into the hole in the axle spring perch.
8. Install new U-bolts with factory bump stop as shown in Photo 4. Torque U-bolts to 120 ft-lbs.
9. Reattach the brake cable to the upper hole on the front retainer using the included 5/16" bolts, nuts and washers as shown in Photo 5.
10. Repeat steps for the other side.
11. Check the torques on all the bolts and check for clearance between the spring and all under-carriage components.
12. Test drive the vehicle and recheck the installation. 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. If you do not perform this inspection, have your professional mechanic inspect as described.

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