

# Hellwig PRODUCTS

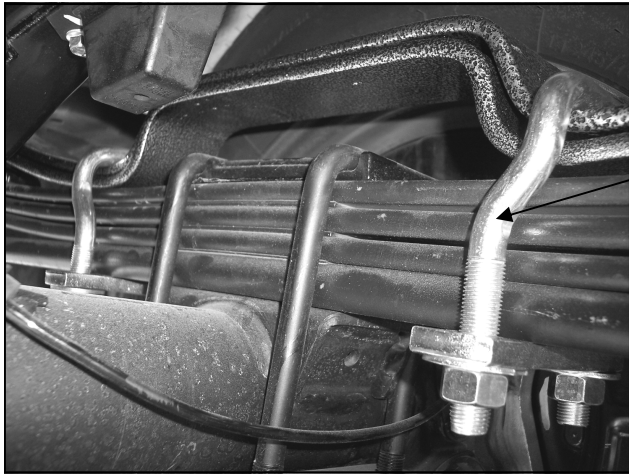
## INSTALLATION INSTRUCTIONS

### Pro Series Helper Spring

#### 61908 Nissan NV Van

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION



Install Short offset u-bolts as shown using 9/16" hardware.

Install helper leaves with long end to the rear of the vehicle. Install 1/2" X 3" X 5" U-bolt into poly block as



Install Long offset U-bolt as shown with 9/16" Hardware.



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## 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**

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

**NOTE: THIS KIT INCLUDES LOCKNUTS WHICH REQUIRE TIGHTENING WITH A WRENCH AFTER BEING STARTED BY HAND.**

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

**IMPORTANT NOTE: IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY CONTACT OVER LOAD IT MUST BE REMOVED BEFORE INSTALLING THE NEW HELPER SPRINGS.**

**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.**

1. Lay out the spring leaves into two (2) sets. Each will consist of a main leaf with u-bolt cups and a second leaf without cups. Lay the leaves so that the long ends are all in the same direction. Stack the leaves so that the main leaf is on top. The long end of the spring stack must be installed toward the rear of the vehicle and the short end toward the front.
2. Place the spring stack on top of the main spring with the long end toward the rear of the vehicle.
3. Place the 1/2" X 5" long U-bolts with the straight legs in the cups at rear end of the spring with the poly block between the main spring and the helper spring as shown in photo. Loosely install the crossbars using the hardware provided.
4. Install the short 9/16" offset U-bolts with the offset toward the axle as shown in photo. The U-bolt should be fastened as close to the hat section as possible. Loosely install the crossbars using the hardware provided. The U-bolts may also be installed with the legs pointing up and crossbars on top of spring to provide additional clearance if required. Install the crossbar with the washers and nuts to connect to the main spring.
5. Install the long 9/16" offset U-bolts in the cups at the forward end of the spring as shown in photo. Loosely install the crossbars using the hardware provided.
6. Adjust the crossbars on the end of the springs so that the adjacent leaf tip will not make contact with the crossbar when the spring is deflected. It may be necessary to move the spring stack fore or aft for best alignment.
7. After aligning springs for best fit, Torque the nuts nearest the axle to 65 ft-lb and double nut.
8. Tighten U-bolts at rear of springs until poly block bulges slightly and double nut.
9. Adjust tension on forward U-bolts to desired setting and double nut.
10. Lower vehicle to the ground and 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 monthly basis thereafter.

**ATTENTION INSTALLER: PLEASE MAKE SURE CUSTOMER RECEIVES THIS INSTRUCTION SHEET, ALL IMPORTANT NOTE CARDS, WARNING CARDS AND THE WARRANTY FORM**