

# Hellwig PRODUCTS.com

559-734-7451 800-367-5480 FAX 559-734-7460

## INSTALLATION INSTRUCTIONS

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION PROCEDURES.

### TORQUE TABLE

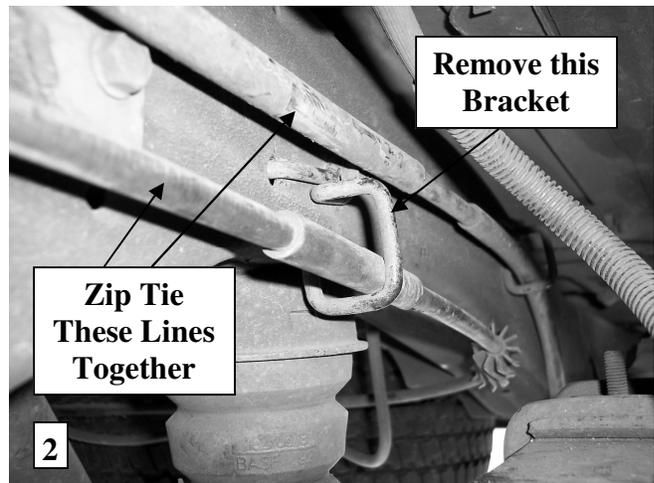
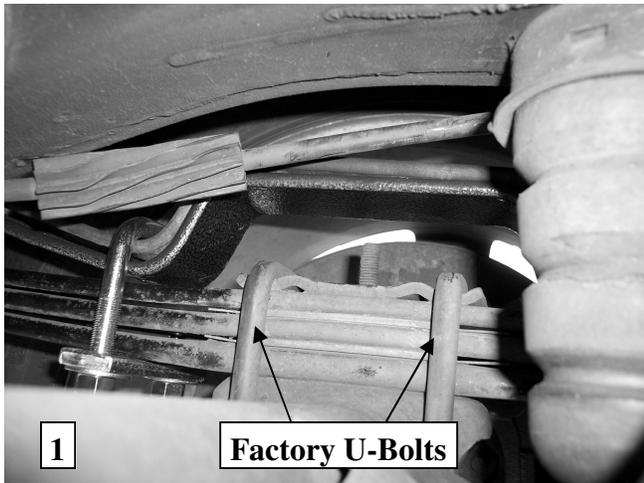
BOLT SIZE: 3/8" = 20-30 ft. lbs. - 7/16" = 35-45 ft. lbs. - 1/2" = 50-70 ft. lbs. - 9/16" = 70-90 ft. lbs

**SAFETY: PARK YOUR VEHICLE ON A FLAT LEVEL SURFACE, SET THE PARKING AND CHOCK THE FRONT TIRES. WEIGHT MUST BE ON VEHICLE AS IF IT IS DRIVING DOWN THE ROAD TO PROPERLY ADJUST THE SPRINGS.**

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

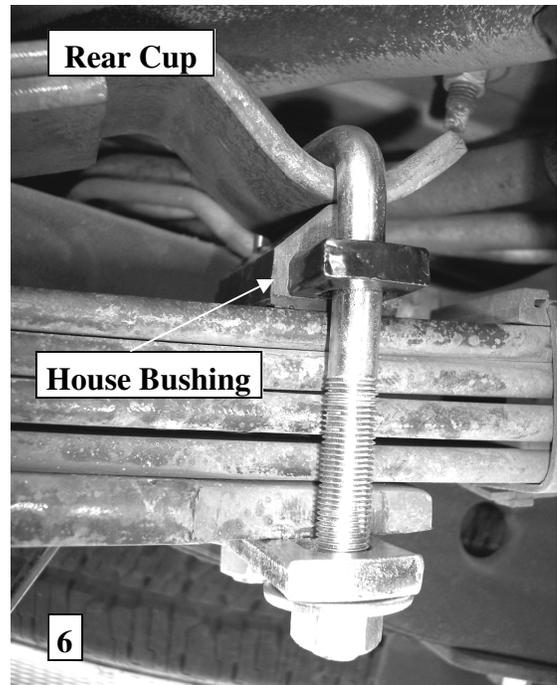
**NOTE: IF YOUR VEHICLE IS EQUIPPED WITH A BRAKE FLUID PROPORTIONING VALVE ON THE REAR AXLE READ INSERT (R-362)**

**IMPORTANT NOTE: 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.**



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1. Remove the bracket holding the emergency brake cable just over the bump stop as shown in Photo 2. Zip tie the lower brake cable to the upper one to keep it from drooping down.
2. Lay out the spring leaves into two (2) sets with the longer spring with the cups on top.
2. Place the spring on top of the main spring with the long end toward the rear of the vehicle and the hump straddling the factory U-bolts as shown in Photo 1.
3. On the forward side of the center hump, install the U-bolt with the legs up as shown in Photo 3 and use the 1/2" stover nuts and washers to hold the cross bar across the top. Adjust the spring and crossbar backwards and forwards to maximize clearance between the crossbar and the brake lines.
4. On the rearward side of the center hump, install the U-bolt with the legs down as shown in Photo 4 and use the 1/2" stover nuts and washers to hold the cross bar across the bottom.
5. Slide the spring forwards or backwards over the U-bolts to maximize clearance between the frame.
6. Torque both of the U-bolts to 50-75 ft-lbs.
7. On the forward cup, install the U-bolt sideways with the legs facing out towards the tire. Secure in place with the cross bar, 1/2" stover nuts and washers as shown in Photo 5. Note: It may be necessary to flex the spring tip down with a C-clamp to slide the U-bolt into position.
8. Slide the house shaped bushing over the 1" wide cross bar.
9. On the rear cup, install the U-bolt with the legs facing down and the crossbar with the bushing in between the spring cup and factory spring pack. Secure in place with the cross bar, 1/2" stover nuts and washers as shown in Photo 6. Tighten the spring down until there is pressure on the bushing.
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.

**INSTALLER: MAKE SURE THE OWNER RECEIVES THIS INSTRUCTION SHEET ALONG WITH ALL IMPORTANT NOTE CARDS AND WARRANTY CARDS.**

## 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.