



INSTALLATION INSTRUCTIONS

4930 / 4931

Coil Spring Isolator Spacer

Congratulations! You were selective enough to choose a BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

- Note:** Confirm that all of the hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.
- Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.
- Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.
- Reminder:** Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!
- Note:** It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Torque wrench: *0-75 lb ft. range*
- Ratcheting socket wrench and sockets sets
- Safety Glasses

SAFETY REMINDER: PROPER USE OF SAFETY EQUIPMENT AND EYE/FACE/HAND PROTECTION IS ABSOLUTELY NECESSARY WHEN USING THESE TOOLS TO PERFORM PROCEDURES!

1. JACKING, SUPPORTING AND PREPARING THE VEHICLE

- a) Block the rear wheels of the vehicle with appropriate wheel chocks. Make sure the vehicles' transmission is in "Park" (automatic) or 1st gear (manual). Activate the parking brake.

Loosen, but **DO NOT** remove, the front wheel lug nuts.

Using a properly rated floor jack, lift the front of the vehicle off the ground. Lift the vehicle so that the front tires are approximately 6-8 inches off the ground surface.

- b) Support the front of the vehicle using two (2) support stands, rated for the vehicle's weight. Locate two (2) support stands on the horizontal portions of the frame rails. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the straight, flat portions of the frame rails.

! It is **very important** that the vehicle is properly supported during this installation to prevent frame damage and personal injury! Make sure that the support stands are properly placed prior to performing the following procedures.

- c) Slowly lower the vehicle onto the stands and, before placing the vehicle's weight on them, again check that they will properly and securely contact the frame rails as described above. Check for possible interference with any lines, wires, or cables.
- d) Remove the front wheels from the vehicle.

SAFETY REMINDER: Check for safe vehicle stability before proceeding under the vehicle to begin the following procedures. Never work under a vehicle supported by only a jack. Always use properly rated support stands to support the vehicle. Proper use of safety equipment and eye/face/hand protection is absolutely necessary when performing the following procedures!

2. **SPRING REMOVAL**

- a. Remove the shock from the vehicle.
- b. Disconnect the stabilizer bar end link from the control arm.
- c. Disconnect the lower ball joint from the spindle.

CAUTION:

The spring is under extreme load. Use a jacking device to unload the spring from the control arm.

- d. Push the lower control arm down and away from the spindle to remove the spring.

3. **ISOLATOR SPACER INSTALLATION**

- a. With the spring removed, install the isolator on the top side of the coil spring.
- b. Insert the coil spring with the isolator back into the upper spring mount and lower control arm.

CAUTION:

The spring is under extreme load. Use a jacking device to reinstall the spring into the control arm.

- c. Re-connect the lower ball joint to the steering knuckle and torque to manufacturer's specifications.
- d. Re-connect the stabilizer bar end link.
- e. Re-install the shock

6. **FINALIZING THE INSTALLATION**

- a) Re-install front wheels and torque to the Manufacturer's specifications.
- b) Check that all components and fasteners have been properly installed, tightened and torqued.
- c) Lift the vehicle and remove the support stands. Carefully lower the vehicle to the ground.
- d) Check brake hoses, cables and other components for any possible interference.
- e) Check for wheel/tire to chassis/body interference.
- f) Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been lowered.
- g) Check all of the hardware and re-torque at intervals for the first 10, 100, and 1000 miles.