

ADJUSTABLE UPPER STRUT FRONT LIFT/LEVELING KIT INSTALLATION

TYPICAL INSTRUCTIONS FOR ALL MAKES/MODELS. Your Vehicle may be slightly different, but will use the same basic instructions

IMPORTANT!

Read ALL WARNINGS and information contained in these instructions PRIOR to installing this product.

ALWAYS WEAR PROPER EYE PROTECTION



Step 1: Measure current front ride height. Take a measurement from the bottom of the wheel/rim to the lip of the fender on each side of the vehicle. Write down measurements to help in determining ride height after new kit is installed.

Step 2: Position vehicle on a flat surface or automotive lift. Suspend front wheels, lifting by the frame with a floor jack or lift jack. **Remove tire/wheel assembly on ONE side of vehicle.**

Step 3: Support Spindle to protect ABS system and brake lines! LOOSEN, but don't completely remove upper ball joint nut, outer tie rod nut and sway bar link nut at the lower control arm, if required

(Figure B)

Step 4: Disconnect the ABS Sensor Wire, and remove the Brake Line Bracket where it is connected to the upper control arm. (Figure B)

Step 5: Break Outer tie rod and ball joint from their tapers using tools specific to this procedure. CAREFULLY, while supporting the spindle assembly, completely remove upper ball joint nut & tie rod nut, leaving the loosened sway bar link nut in place. (Figure C)

Step 6: Remove strut assembly from the vehicle. Remove LOWER strut bolt first, followed by the three (3) upper strut nuts. **CAUTION! BE EXTREMELY CAREFULL TO SUPPORT STRUT ASSEMBLY WHEN REMOVING UPPER STRUT NUTS!** The Strut/Spring assembly is heavy and can cause injury to technician or damage to other components if released too quickly!

Step 7: Using the Nylock stud nuts included with this kit, secure new Adjustable Upper Strut Kit to



OEM upper strut studs and torque to manufacturer's specifications.

Step 8: AFTER securing kit to the top of the strut, TRIM OEM upper strut studs to a length of 7/8" from the new base plate, if necessary

Step 9: Install the Top Connection Plate ONLY, studs directed UPWARD, into position in the strut tower, and secure with the original OEM stud nuts. Torque stud nuts to OEM specifications

Step 10: Reinstall strut assembly. Be sure the new Adjustable Upper Strut Kit is THREADED DOWN in the MOST COMPACT POSITION for easiest reassembly, then pass exposed threaded area of the kit THROUGH the center of the Top Connection Plate already installed. HINT: The use of a pry bar or breaker bar may simplify reinstallation of the Strut Assembly.

Step 11: Reinstall lower strut bolt and torque to manufacturer's specifications.

Step 12: Reinstall upper ball joint nut and outer tie rod nut. Hint: The use of a bottle jack may assist in reassembly of the ball joint to the knuckle. Torque to manufacturer's specifications, including the sway bar nut.

Step 13: Reconnect ABS sensor wire. It may be necessary to reroute ABS/ wire Inside of upper control Arm. Reconnect brake line & bracket (Figure J)

Step 14: Reinstall tire/wheel assembly, and check that all suspension components and lug nuts have been properly torqued to manufacturer's specifications.

Step 15: REPEAT ON THE OTHER SIDE OF THE VEHICLE. Carefully follow each step of these instructions as you did on the first side of the vehicle!

Step 16: Lower the vehicle, jounce suspension and measure ride height of EACH SIDE. Measure from the bottom of the wheel/rim to the lip of the fender.



Step 19: PERFORM A COMPLETE WHEEL ALIGNMENT, utilizing a Certified Alignment Technician with experience working on lifted vehicles.

Step 20: ADJUST HEADLIGHTS to accommodate new front ride height position.

Vehicle **BEFORE** Installation



Vehicle **AFTER** Installation!



WARNING This product should only be installed and adjusted by an ASE certified professional mechanic with proper tools and safety equipment.