



*Proper installation is essential to experience and appreciate the benefits of this system. Please take a moment to review these installation instructions before you begin to install these components on your vehicle. The removal and installation of suspension products should only be performed by a fully qualified, ASE Certified, professional.*

*It is equally important to be aware of all necessary safety measures while installing your new Suspension System. This includes proper lifting and immobilizing of the vehicle and isolation of any stored energy to prevent personal injury or property damage.*



**WARNING:** The air/hydraulic suspension system is under pressure (up to 10 bar, or 150 lbf/in). Verify pressure has been relieved and disconnect power to the suspension system prior to disassembly. Do not allow dirt or grease to enter the system. Always wear standard hand, ear, and eye protection when servicing the suspension system.



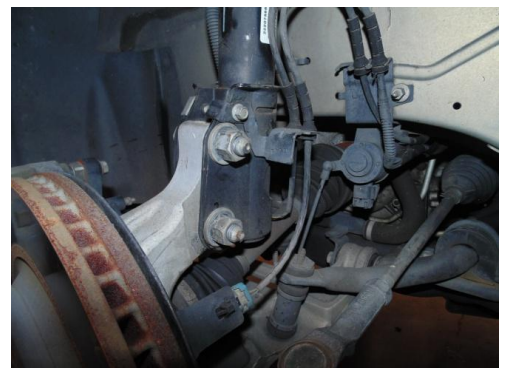
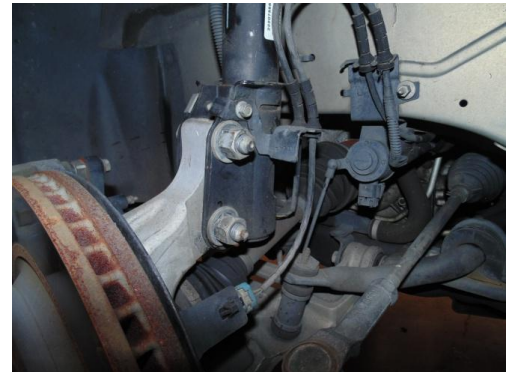
## Removal and Installation

- Pull upwards along the “bottom” front edge of the vehicle’s rear seat to release the attachment latches.
- Rotate the back edge of the seat bottom up and forward to gain access to the vehicle’s battery.
- Disconnect the (-) negative cable from the battery using an 8mm wrench.
- Raise the vehicle with a floor-jack or vehicle lift and support (on frame) with jack-stands if using a floor- jack.



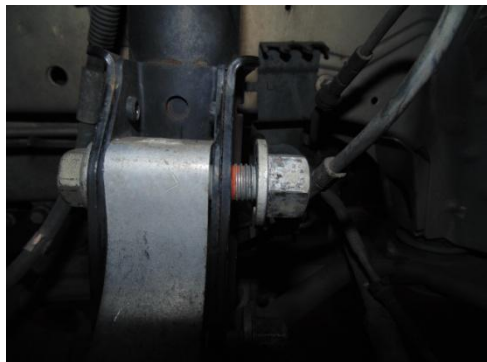
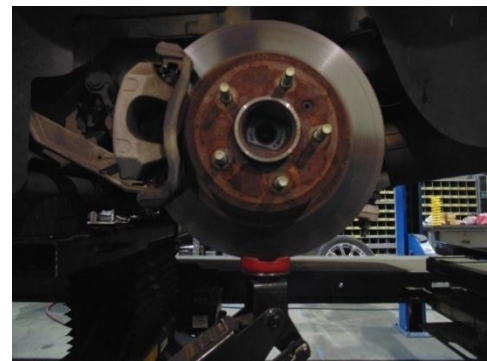


- Remove the front wheel from one side of the vehicle.
- Disconnect the wheel speed sensor connector located behind the brake rotor; also remove it's wire harness from the brackets located on the strut and fender well.
- Disconnect the connector located at the bottom of the strut; and remove the wire harness from the brackets on the strut and inner fender.
- Using a 10mm socket remove the brake line and wire harness brackets from the strut.





- Using a flat-head screwdriver disconnect the ride height sensor's ball and socket connection on the lower a-arm.
- Support the lower a-arm and hub assembly with a floor-jack or lift support.
- Using a **24mm** socket and a **21mm** wrench; loosen both of the struts lower mounting nuts. **\*Note\*** Only loosen the nuts to the ends of the mounting bolts.





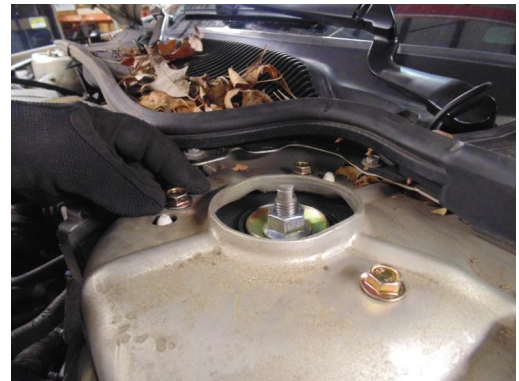


- Using a hammer tap the nuts until they come in contact with the strut.
- Remove both nuts and use a punch to drive both bolts completely through the steering knuckle/hub assembly.
- Using a **15mm** socket remove the (3) upper strut mount bolts located near the fire wall in the engine compartment.
- Remove the strut assembly from the vehicle.



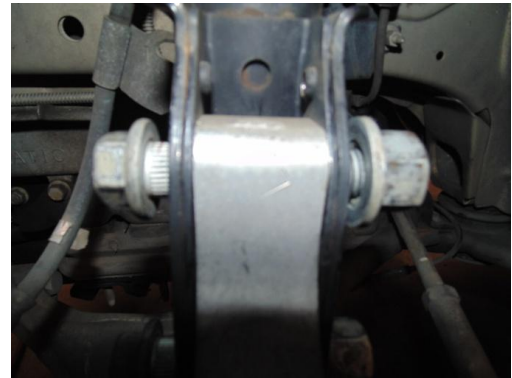


- Acquire your new Strutmasters strut
- Place the Strutmasters strut into position and install the (3) top mounting bolts only hand tight.
- Place the bottom of the strut into position on the knuckle assembly.
- Align the struts lower mounting holes. \*Note\* It may be necessary to use a small pry-bar or large screwdriver to align the mounting holes.





- Install the (2) factory lower mounting bolts and nuts through the steering knuckle.  
\*Note\* It may be necessary to use a hammer to “drive” the bolts through.
- Completely tighten the (2) lower mounting bolts with a 24mm socket and 21mm wrench.
- Slightly raise the floor-jack or lift support to assure that the struts mount is completely seated beneath the vehicle's strut tower and tighten the (3) upper mounting bolts with a 15mm socket.
- Install the brake line and wire harness brackets to the strut using the factory 10mm bolts.







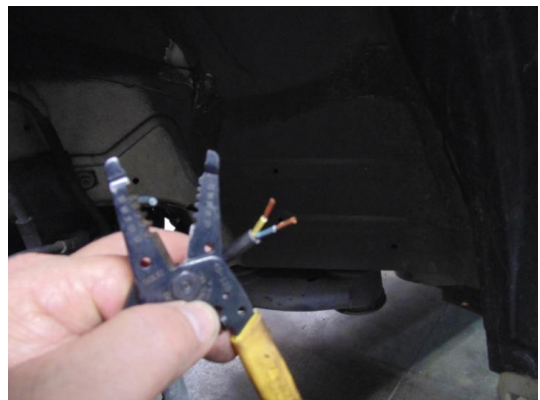
- Reconnect the speed sensor connector.
- Install the speed sensor wire harness into the bracket on the strut and inner fender.
- Reconnect the ride height sensors ball and socket connection at the a-arm.
- Acquire the wire harness which previously ran to the factory strut.







- Cut the connector off of the harness. Note: The harness contains 2 wires.
- Strip the ends of both wires.
- Acquire (1) of the bypass resistors included with the CL1FB kit.
- Crimp the connectors from the bypass resistor to the (2) harness wires. \*Note\* There is no polarity with this connection; either wire may be connected to either connector.





- Install the wire harness into the bracket on the inner fender and zip-tie in a secure location.
- Reinstall the wheel; Repeat the removal and installation steps for the vehicles remaining side.
- Once the installation is complete lower the vehicle down and torque the wheels lug nuts to factory specs and reconnect the **negative** battery cable and replace the rear seat bottom back into position. **\*Note\*** Once the vehicle is lowered back down the ride height may appear high; However once the vehicle is driven the ride height will settle. **Thanks For Choosing Strutmasters!**



Strutmasters is a company founded in 1999 that specializes in Air to Non-Air Suspension Conversion kits and suspension components, Strutmasters has become an industry leader in the world of suspension. What began as a personal project to repair a family's only vehicle, Strutmasters has grown into a nationwide provider of suspension solutions and has truly earned the title "The Suspension Experts®".

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