



1995-2004 Chevy Cavalier & 1995-2004 Pontiac Sunfire

Step 1 - Unpack QuickLIFT kit and verify contents.

Remove all items from the packing tube. You should have the following before beginning:

- * (2) Gas Charged Springs
- * (8) 3/16" Steel Rivets
- * (4) Fender & Hood Steel brackets
- * Printed Instructions
- * Strut-locking clips (already on the gas-spring ball ends - remove before assembly)

Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

- * Power Drill
- * 3/16" drill bits
- * Fine permanent marker or felt tip pen
- * Masking tape
- * Tape Measure
- * Hammer & center punch
- * Rivet gun, capable of 3/16" rivets (most brands can handle this size)

Note: Only use the rivets supplied in the QuickLIFT kit.



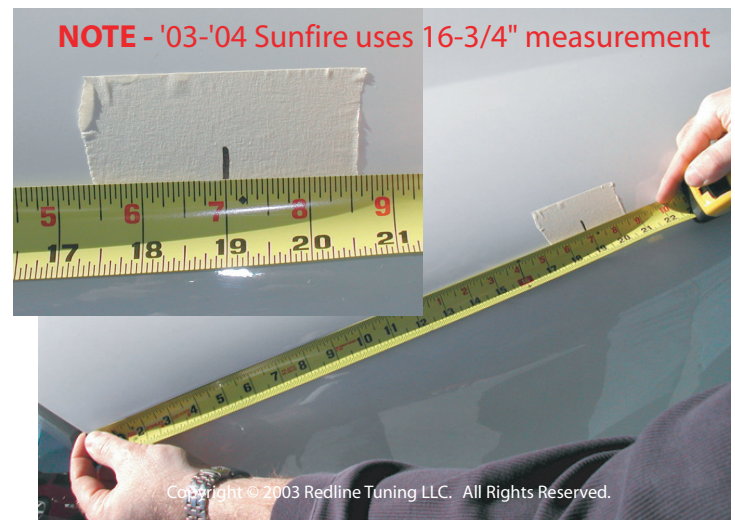
Recommended: Craftsman standard or Swivel Riveter (shown - 974749) - \$9.99 to \$17.99

Step 3 - Locate Driver's side upper bracket.

A. Place a piece of masking tape on the edge of the hood as shown to the right. Run the tape along the edge of the hood - this will be used to mark the centerline of the hood bracket.

B. Place a mark at exactly **19"** from the front lower corner of the hood as shown. Mark both sides the same way and verify your measurement.

NOTE: If you have a 2003-2004 Pontiac Sunfire, this measurement should be **16-3/4"** from the lower corner of the hood.

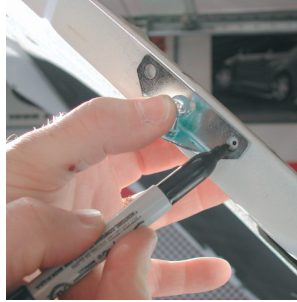


Step 4 - Align Driver's side hood bracket and mark the 1st hole.

A. Hold hood bracket such that the ball stud faces the hood (up). The bracket will tuck up against the hood's structural member and the hood skin.

B. Using a marker, place a dot at the center of the lower hole once the centerline of the ball stud is lined up with your mark.

C. Using a center punch and a hammer, tap the center of the dot you just made (**the indentation will help guide the drill bit and keep it from wandering**). Place bracket back in place to be sure it is still centered where it should be before moving to Step 5. Set bracket aside.



Step 5 - Drill a 3/16" hole.

A. Carefully drill the upper bracket hole as shown to the right using **ONLY a 3/16" drill bit**.

Only use a 3/16" drill bit - the rivet will not work properly with any other size drill bit. Be careful not to drill up through your hood!



Step 6 - Rivet 1st side of bracket to hood.

A. With the bracket in place, insert a rivet through the bracket and hole with the long stem sticking outward. The rivet may require a few twists while firmly pushing it in. Hold bracket in place using a piece of tape at the other end of the bracket.

B. Check to be sure your rivet gun has the 3/16" rivet head installed, then slide rivet into gun. While applying force to the rivet and bracket, firmly squeeze riveter handle multiple times until rivet gun pops and snaps off the rivet stem. **Be careful when rivet stem snaps off not to scratch paint.**



Step 7 - Drill 2nd hole of hood bracket and rivet bracket into place.

A. Reposition and align bracket into the proper position against hood lip.

B. Use center punch to indent center of hole before drilling. Carefully drill the second hole through bracket hole and hood structure. **Be careful not to drill up through top of the hood. Heed the warnings mentioned earlier.**

C. Rivet the lower hole as described in the previous step.



Step 8 - Repeat steps 3-7 and install the passenger side hood bracket.

A. Your hood has a symmetrical understructure. Repeat Steps 3-7 to install the upper passenger side hood bracket. Take your time and verify the measurements using the bracket you just installed.

Step 9 - Position and mark first hole for driver's side fender bracket.

A. Hold the bracket in position as shown to the right. Measure **3-1/4"** from the edge of the hinge to the centerline of the ball-stud.

Then verify that the bracket sits **7/8"** from the edge of the fender to the inside edge of the bracket's vertical bend. Ball-stud should be pointing toward the fender or away from the vehicle.

B. Verify measurements and then mark 1st hole using a fine permanent marker.



Step 10 - Mark hole center before drilling.

A. Using a center punch and a hammer, tap the center of the marked hole. This will help guide the drill bit and keep it from wandering.

Step 11 - Drill upper or right hole using 3/16" drill bit.

A. Drill the 1st hole at the marked position using a **3/16"** drill bit. Do not ream or over drill the hole - test fit rivet in hole until it makes it all the way in, then remove rivet and put bracket in place.



Step 12 - Rivet the upper or right end of the bracket to fender.

A. With the bracket lined up again, place a rivet thru the bracket and hole with the long stem sticking upright.

B. Check to be sure your rivet gun has the 3/16" rivet head installed, then slide rivet gun onto rivet. While applying downward force on rivet and bracket, firmly squeeze riveter handle multiple times until rivet gun pops and snaps off the rivet.



Step 13 - Mark center with marker and indent with center punch.

A. Using a permanent marker, mark the lower or left hole of the fender bracket. **Be sure that the bracket is parallel to the fender. Twist to align if necessary.**

B. Using a center punch and hammer, tap the center of the marked hole. This will help guide the drill bit and keep it from wandering.

Step 14 - Drill second hole and rivet bracket to fender.

A. Drill the second hole through the bracket hole using a 3/16" drill bit. Do not ream or over drill the hole.

B. Rivet the bracket in place.



Step 15 - Repeat steps 9-14 to attach the passenger fender bracket.

A. Repeat Steps 9-14 to attach the passenger side fender bracket. The vehicle is symmetrical so the same locators can be used. Feel free to measure off of key areas to ensure a symmetrical installation.

Step 16 - Cycle Gas-springs!

A. **Cycle your gas-springs.** Holding the thick end with two hands, carefully and firmly push the extending rod against the floor - compress the gas-springs a few times to lubricate shaft.

B. Install the driver's side gas spring with the cylinder at the bottom (large end down and connected to the fender ball stud). Be sure that the strut sockets snap securely onto the ball studs. Continue holding the hood until Step 17 is completed. **This procedure is most easily completed if the upper ends are snapped onto the ball-studs first and the lower ends are snapped on last.**

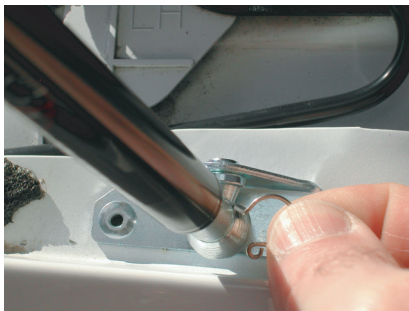


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Step 17 - Install the gas spring locking clips.

A. Insert the spring locking clips as shown below.

Note: Photos below show the fender end of the ball stud - you will find it easier if you first install the hood end of the struts, including locking clips, and then move to the lower fender ends last.



A. Insert clip into hole.



B. Slide clip down till it stops.



C. Rotate clip until it snaps onto shaft.

Step 18 - Test installation.

A. Remove all tools from engine area. Check that all the steps were followed correctly and that the brackets and struts are securely mounted.

B. Lower hood slowly and check for clearance issues. Once you are certain that the steps were followed correctly, carefully lower the hood. The struts will take a few repetitive operations to get them working properly - lower and raise the hood a few times to lubricate the struts.



Enjoy your new Redline Tuning Quick-Lift kit!