



Manual Rev.
1.02
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2000-2006 Nissan Sentra QuickLIFT Installation Guide

Step 1 - Unpack QuickLIFT system and verify contents.

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

- * (2) Gas springs (Part No. **RT-QL-200-5A**)
Be sure to cycle them a few times before installing
- * (8) 3/16" Multi-grip Rivets
- * (2) Fender Steel brackets
- * (2) Hood Steel brackets
- * Printed Color Installation manual



Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

- * Power Drill
- * 3/16" or indexed #11 drill bits
- * Fine permanent marker or felt tip pen
- * Tape Measure
- * Hammer & center punch
- * Masking tape
- * Rivet gun, capable of 3/16" rivets (most brands can handle this size)

Note: Only use the rivets supplied in the QuickLIFT system



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

Step 3 - Mark placement of the driver's side fender bracket.

A. Locate a bracket, tape measure and masking tape.

B. Place a piece of masking tape on the edge of the hood, and a second piece along the edge of the fender - place both pieces right along the fender/hood gap.

C. Using the permanent marker, place a mark on the hood masking tape at **11 - 1/8"** measuring from the hood's hinge corner as shown.

Then place your second mark on the fender tape at **25 - 3/4"**.



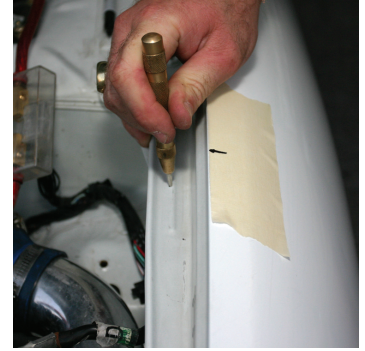
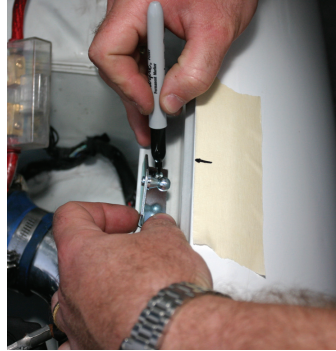
These measurements are to be used to mark the centerlines of the bracket's ball-studs when viewed from the side of the vehicle.



Step 4 - Mark upper hole of fender bracket for drilling.

A. Holding bracket in place, use a center punch and a hammer and tap the center of the right mounting hole (this 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.

The bracket should sit with the back edge of the bracket resting against a small fender lip. The ball-stud should be pointing outward or away from vehicle.

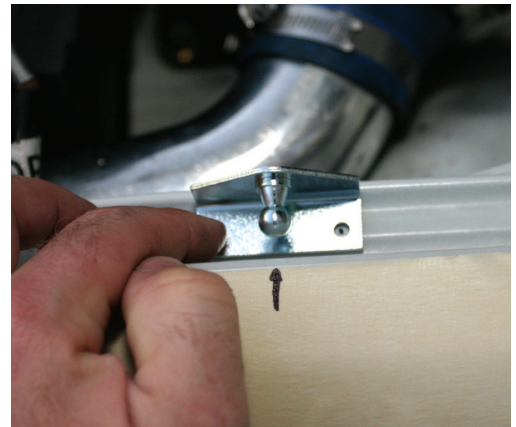


Step 5 - Drill #11 indexed bit hole, or 3/16" hole.

A. Carefully drill the upper bracket hole using a (#11 indexed bit) or (use 3/16" bit if #11 bit is not available).

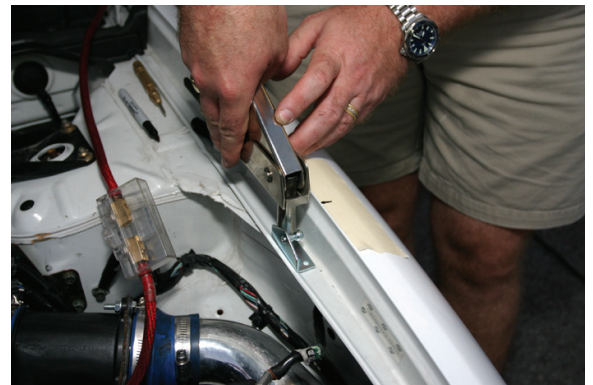
If you do not have a #11 indexed bit, you can use a 3/16" bit, however you may have to test fit the rivet and slightly ream hole until the rivet fits tightly through bracket and hole - 3/16" is slightly smaller than the #11 bit. Do not use any other drill bit sizes!

Wrap a piece of electrical tape around the drill bit about 1/4" from the tip to prevent the bit from passing through to far. ALWAYS use new and sharp bits!



Step 6 - Rivet upper end of bracket.

- A. Hold the bracket in position.
- B. With the bracket lined up again, place a rivet through the bracket and hole with the long stem sticking outward - shown to the right. The rivet may require a few twists while pushing it in.
- C. 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 stem. Remove stem from riveter before you rivet again.

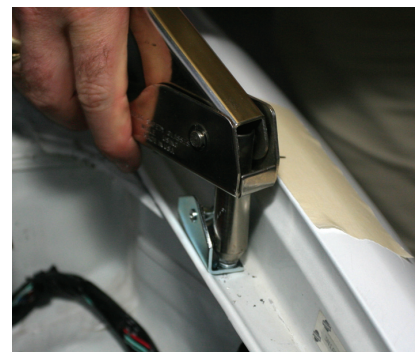


Riveting Tips:
Visit <http://www.redlinetuning.com/QL-tips.html>

Step 7 - Center punch, drill and rivet 2nd hole.

A. Reposition or rotate bracket into the proper position against fender lip. Carefully tap, then drill the second hole through bracket hole and fender.

Wrap end of drill bit 1/4" down from tip with electrical tape to keep drill bit from passing through to far.



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

A. Your vehicle is symmetrical. Repeat Steps 3-7 to install the passenger fender bracket. Take your time to ensure that both sides are installed in the exact same location.

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

A. Hold the bracket in position as shown to the right. The edge of the bracket should rest along the hood frame edge (just before it curves and bends upward) with the ball stud pointing outward or away from the vehicle.

B. The mark on the hood tape should be aligned to the centerline of the bracket's ball-stud while the back edge of the bracket should be aligned to the hood's hinge bolt as shown to the far right.



Step 10 - Punch, drill and rivet first hole for driver's side hood bracket.

A. Mark upper hole using a permanent marker.

B. Tap the center to indent it for drilling.

C. Drill the hole using a sharp **#11 indexed bit** or **3/16" drill bit**. **Be careful when drilling so that you do not drill up through your hood.**

D. Rivet upper end of the bracket in place.



Step 11 - Mark lower hole and drill hole using indexed #11 or 3/16" drill bit.

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

B. Drill the lower hole at the marked position using a sharp **#11 indexed bit** or **3/16" drill bit**.

Step 12 - Attach the lower end of the bracket to fender.

A. Rivet lower end of bracket to hood frame.

Follow earlier riveting directions. Bracket should be secure when riveting is completed.

Step 13 - Repeat steps 9-12 to attach the passenger side hood bracket.

A. Repeat Steps 9-12 to attach the passenger side hood 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 14 - Cycle both gas springs - then install

A. **CYCLE EACH GAS SPRING BEFORE INSTALLING** - firmly hold a gas spring with both hands by the thick cylindrical end - firmly press down on the floor or carpet and compress the spring. Do this to both springs. Have a friend hold the hood up. Remove the stock prop rod assembly at this time. If you are not physically able to cycle the gas springs, then do not worry, they will still work fine - this just helps to lubricate the shaft and make the reduce the initial force on the hood and brackets.

B. Install the driver's side gas spring with the cylinder at the top (large end up). Be sure that the sockets snap securely onto the ball studs.



Check over the installation carefully to be sure each step was properly completed. Next check that each ball-stud socket is snapped securely onto the ball-studs.

Now SLOWLY lower the hood to be sure everything is securely mounted. Next, slowly raise and lower the hood a few times to cycle the gas springs - do this occasionally to lubricate the shafts.