



## 2002-2005 Mitsubishi Lancer QuickLIFT Installation Guide

### Step 1 - Unpack QuickLIFT kit and verify contents.

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

- \* (2) Gas springs - Part No. RT-QL-200-4A
  - \* (4) 3/16" Multi-grip Rivets
  - \* (2) 3/16" Aluminum rivets (high adhesion - 3rd rivet for composite hoods)
  - \* (4) 5/16" head sheet metal screws
  - \* (2) Fender Steel brackets - 90 degree angle
  - \* (2) Hood Steel brackets - angled & ball stud pointing outward.
  - \* Printed Color Instructions
  - \* Gas Spring clips (these are already installed in the gas spring ball ends - remove before assembly)
- DO NOT LOSE THE LOCKING CLIPS - they disappear when dropped!**



### Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

- \* Power Drill
  - \* 3/16", indexed #11 & 5/32" drill bits
  - \* 5/16" socket and socket wrench
  - \* Fine permanent marker or felt tip pen
  - \* Tape Measure or ruler
  - \* 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 kit.



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

### Step 3 - Mark centerlines for both hood and fender brackets.

A. Place a long piece of masking tape along the fender line and hood line as shown.

B. Using the permanent marker, measure from the hood's hinge corner and place a mark on the fender tape at exactly **9"**.

C. Place the second mark at **22 - 5/8"** on the hood tape - this will be used to mark the centerline of the hood bracket.

D. Double-check both measurements.

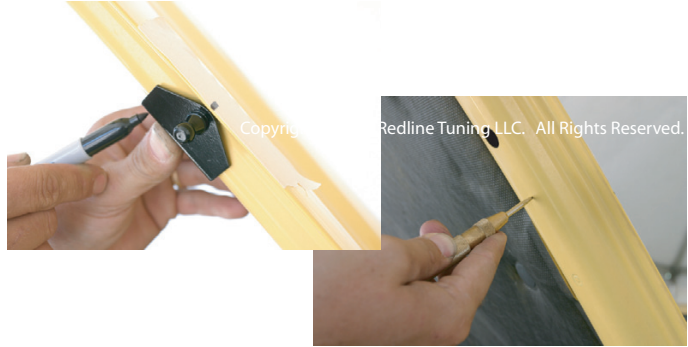


## Step 4 - Mark upper hole for drilling.

A. hold the bracket so that the ball-stud is aligned with the hood tape mark then mark the center of the upper hole using a permanent felt tip marker. Be sure the bracket is straight and sitting flat against hood's understructure with the ball-stud pointing out.

B. Set bracket aside. Using a center punch and a hammer, tap the center of the mark you just made (this indentation will help guide the drill bit).

Place bracket back in place to be sure it is still centered



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

A. Carefully drill the upper bracket hole as shown to the right 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 the 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 denting the hood skin. Use new and sharp bits!**



## Step 6 - Rivet upper end of bracket to hood.

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.



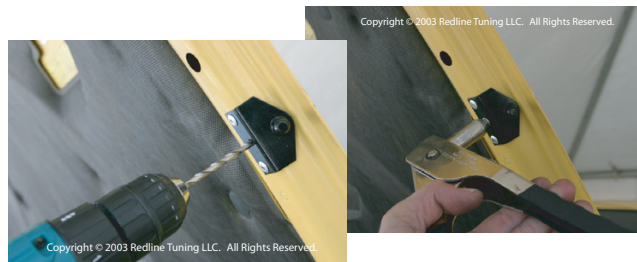
**Riveting Tips:**  
 Visit <http://www.redlinetuning.com/QL-tips.html>

## Step 7 - Drill and rivet lower hole.

A. Reposition or rotate bracket into the proper position against hood lip. Carefully drill the second hole through bracket hole and hood - then rivet into place.

**Wrap end of drill bit 1/4" down from tip with electrical tape to keep drill bit from pulling through and hitting hood skin.**

Carefully drill a third hole between the first two - follow same precautions. Then rivet the Aluminum rivet (longer rivet, 2 included) into this hole. This rivet helps stabilize the bracket and should be installed last. We recommend installing this rivet when mounting to hoods made of fiberglass, composite materials, carbon fiber and other non-metal hoods.



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

A. The hood has a symmetrical under structure. Repeat Steps 3-7 to install the upper passenger hood bracket. Take your time.

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

A. Hold the bracket in position as shown to the right. The bracket should sit with the inside edge up against the small fender lip ridge. The ball stud should be pointing inward or toward the vehicle and aligned with the mark on the fender tape.



Use the photos to right for exact placement.

B. Mark the lower hole using a fine permanent marker.



**Step 10 - Mark hole center before drilling lower or left hole using 5/32" drill bit.**

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 during the following step.



B. Drill the lower or left hole at the marked position using a sharp **5/32" drill bit**.



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

A. Using a color matching paint, touch up the area where you just drilled the hole.

B. Using a 5/16" socket and wrench, carefully screw the self tapping screw into the fender. Apply adequate pressure while the threads are being created.



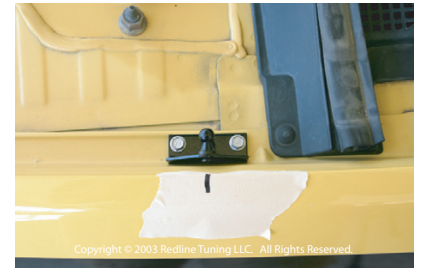
### Step 13 - Mark center with marker and indent with center punch.

- Using a permanent marker, mark the right or upper hole of the fender bracket. **Be sure the bracket is parallel to the fender.**
- 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. Bracket is not shown in photo, but should be installed from the right hole of bracket while marking and punching.

### Step 14 - Drill second hole and attach bracket.

- Drill the second hole at the marked position using a **5/32"** drill bit. Do not ream or over drill the hole - any larger and the threads will not hold securely.
- Attach the bracket using the same 5/16" socket and wrench.

Secure both screws and bracket at this time.



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

- 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.

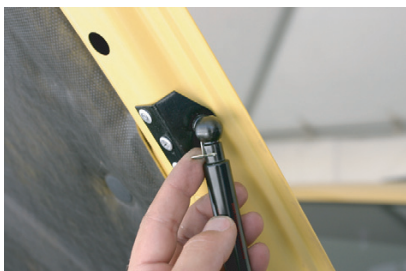
### Step 16 - Cycle both gas springs - then install

- 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.
- 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. Have a friend remain holding the hood up until Step 17 is completed. This procedure is most easily done if the hood ends are snapped on first and attach the lower fender ball studs last.

### Step 17 - Install the gas spring locking clips.

- Insert the gas spring locking clips as shown below.

Note: You may find it easier if you first install the hood end of the springs, including locking clips, and then move to the lower fender ends last.



Insert clip into hole.



Slide clip down till it stops.



Rotate clip until it snaps onto shaft.