



1963-1982 Toyota FJ-40 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 (**RT-QL-200-5A**)
- * (8) 3/16" #2 multi-grip rivets
- * (2) Fender Steel brackets (larger brackets)
- * (2) Hood Steel brackets (smaller brackets)
- * Printed Instructions



Fender bracket



Hood bracket

Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

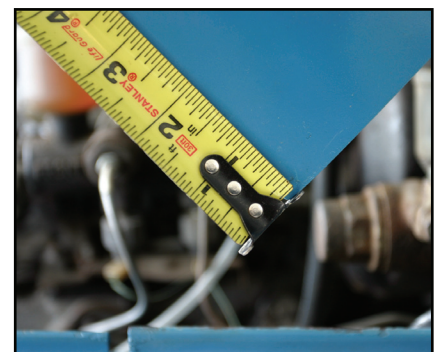
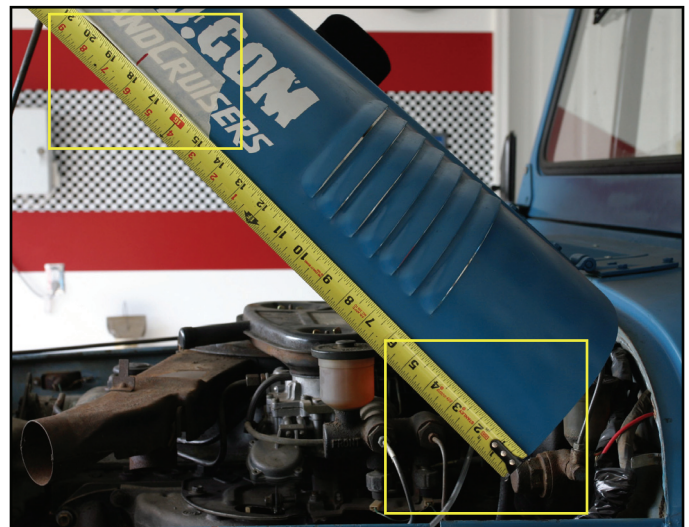
- * Power Drill
 - * 3/16" or #11 drill bits
(3/16" can be substituted for #11 if #11 index bit is not available).
 - * Fine permanent marker or felt tip pen
 - * Masking tape & Tape Measure
 - * Hammer & center punch
 - * Rivet gun, capable of 3/16" rivets (most brands can handle this size)
- Note: Only use the rivets supplied in the QuickLIFT system.



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

Step 3 - Mark lower edge of hood bracket.

A. Carefully measure from the hood's corner near the firewall up along the edge of the hood, placing a mark on the masking tape at the **18-1/4"**. This mark will be used to mark the lower edge of the hood bracket which will be mounted on the inside lip of the hood in Step 4.

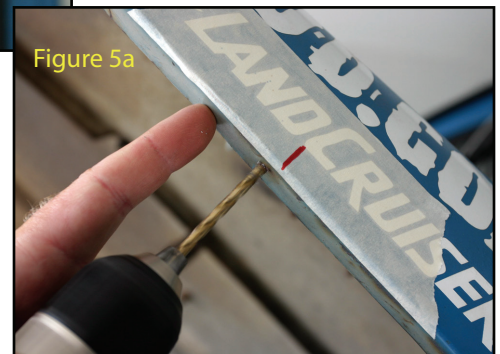
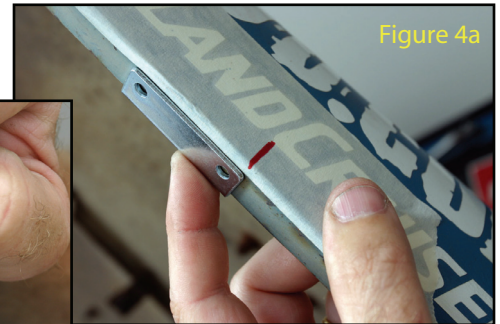


Step 4 - Align Driver's side hood bracket and mark lower hole.

A. Temporarily align the hood bracket as shown to mark holes for drilling. Bracket should be wrapped around the hood's lip with the ball-stud aiming inward or toward the vehicle - **Figure 4a.**

B. Using a marker, place a dot at the center of the lower hole once the edge of the bracket is aligned to the mark made in Step 3.

C. Using a center punch and a hammer, tap the center of the dot you just made (this indentation will help guide the drill bit and keep it from wandering).

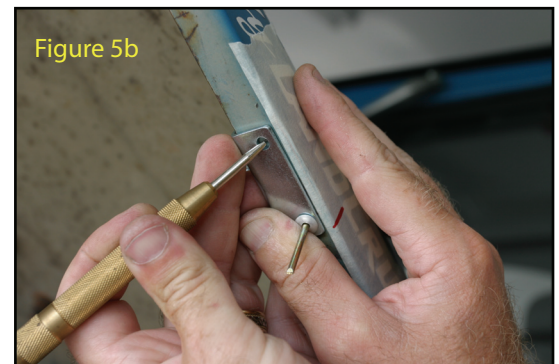


Step 5 - Drill #11 indexed bit hole, or 3/16" hole.

A. Carefully drill the lower bracket hole as shown in **Figure 5a** 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 rivet fits tightly through bracket and hole - 3/16" is slightly smaller than the #11 bit. Do not use any other drill bit sizes!

B. Hold the bracket back in place with a rivet through the bracket and lower hole - now mark the center of the upper hole. Remove bracket, then drill upper hole - **Figure 5b.**



Step 6 - Rivet bracket to hood - NOTE INSIDE POSITION

A. **Hold the bracket in new position** with the bracket on the **INSIDE** of the hood lip, ball-stud aiming inward - shown in **Figure 6a.**

B. With the bracket lined up again, place the multi-grip rivet through the bracket and hole with the long stem sticking outward. 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 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.



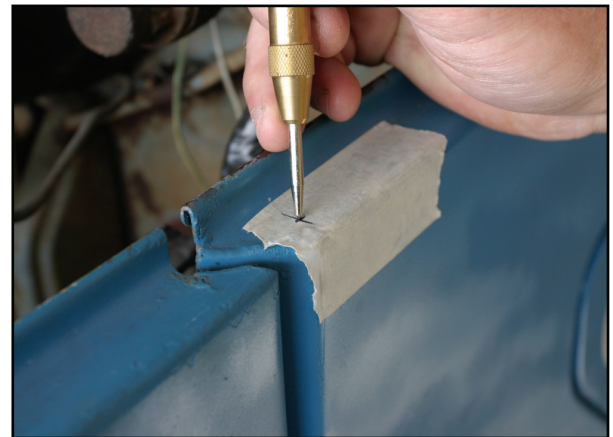
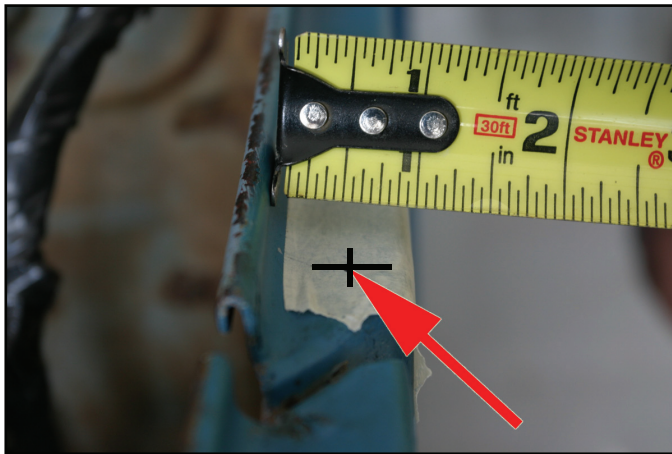
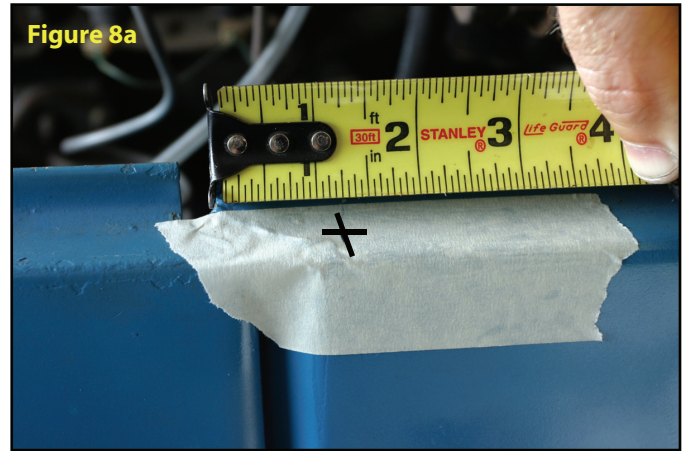
Step 7 - Repeat steps 3-6 and install the passenger side hood bracket.

A. Your vehicle's hood has a symmetrical hood frame. Repeat Steps 3-6 to install the upper passenger side hood bracket. Take your time and verify the measurements using the bracket you just installed.

Step 8 - Position and mark first hole for driver's side fender bracket.

A. Measure **1-1/4"** toward firewall from the natural break in the fender lip and place a mark on the masking tape as shown - **Figure 8a**.

B. Measure **1/2"** off the fender lip - outward from vehicle. Use intersection of two marks as the center of the fender bracket hole. Use photos in these and future steps to help clarify mounting location.

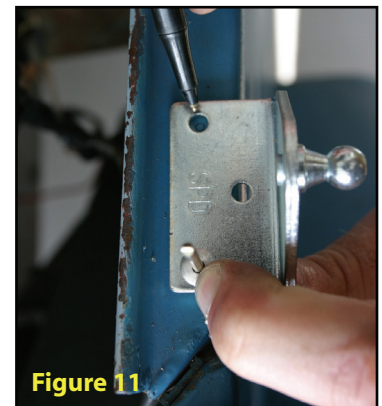


Step 9 - Mark hole center before drilling.

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 - **Figure 9**

Step 10 - Drill left hole for fender rivet

A. Drill the right hole at the marked position using the same #11 or 3/16" drill bit for hood mounting bracket.



Step 11 - Mark second mounting hole using bracket.

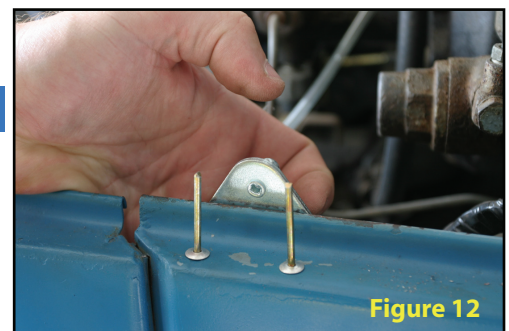
A. Place rivet through bracket and hole - careful center the bracket and then mark the opposite hole.

B. Drill hole - you may leave the bracket in place if needed to help guide bit, though not necessary.

Step 12 - Place bracket in NEW position, under lip and rivet

A. With both holes drilled, **place bracket under lip** with ball-stud up above lip and aiming inward toward engine...

B. Rivet in place from top. Photo on page 4 as well for reference.





Step 14 - Repeat steps 9-13 to attach the passenger fender bracket.

A. Repeat Steps 9-13 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 15 - Cycle both gas springs 3 times

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 gas springs a few times to lubricate the shaft before installing them.



Step 16 - Install gas-springs - large end up.

- A. Have a friend hold the hood up. Remove the stock prop rod assembly
- B. Install the driver's side gas-spring with the cylinder at the top (large end up and connected to the hood ball stud). Be sure that the gas spring sockets snap securely onto the ball studs.

