



Manual Rev.
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Toyota Yaris Hatch 2007+ 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:

- * (1) Gas spring - Part No. **RT-QL-170-A4A-SS** - plastic end-fitting on extension
- * (1) Ball-stud bracket
- * (2) Two rivets - for hood bracket
- * Ball-stud assembly - (1) ball-stud, (1) washer, (1) lock-nut for lower mounting solution.
- * Printed Color Instructions
- * Gas Spring Locking clips (these are already installed on large end of 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", indexed #11 & 5/16" drill bits
- * 1/2" socket and socket wrench
- * Fine permanent marker or felt tip pen
- * Tape Measure or ruler
- * Masking Tape
- * Hammer & center punch
- * Rivet gun, capable of 3/16" rivets (most brands can handle this)



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

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

Step 3 - Mark lower center of bracket hole

A. Raise hood and prop it using prop rod for the last time. Prepare to work on the passenger side, middle of the hood frame.

B. Place the bracket with the ball-stud facing outward or away from the engine. The back side of the bracket should be close to the rounding metal hood frame with the ball-stud slightly below the center of the crease. Use the photos to the right and the following steps to clarify this location.

C. Using a permanent marker, then a center punch, mark the center of the lower hole.

We do not give any measurements for this given the small hood and curved surfaces, we feel you can locate it visually with these photos.



Step 4 - Drill #11 indexed bit hole, or 3/16" hole.

A. Carefully drill the lower 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 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 5 - Rivet lower end of bracket to hood.

A. Hold the bracket in position.

B. With the bracket lined up again, place the 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.



Step 6 - Drill and rivet upper hole

A. Reposition or rotate bracket into the proper position parallel to the frame. Tap center of the hole. Carefully drill the second hole through bracket hole and hood. Rivet bracket to hood.



Step 7 - Mark center of lower mounting hole

A. Measure **3/4"** from left edge of shock tower as shown to the right and **1/2"** from the front edge. You are marking the center of the hole for a ball-stud. The mark should be centered horizontally on the small flat area between the left edge of the shock tower and the raised lip to the right.



Step 8 - Drill hole using 5/16" drill bit.

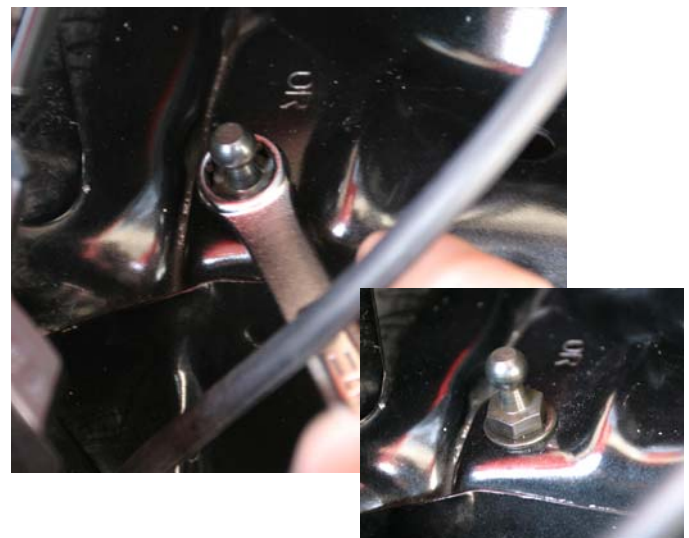
A. Drill the hole at the marked position using a sharp **5/16" drill bit**.

Tip: First drilling a smaller pilot hole will make the final 5/16" hole much easier to drill.



Step 9 - Attach the ball-stud to the fender.

A. Place one washer onto ball-stud shaft, then insert into hole. Place the locknut inside a 1/2" socket - reach up inside the fender with the socket/locknut until you reach the drilled hole - place the ball-stud/washer through hole and tighten using 1/2" wrench. You may have to jack up the front of the car to gain a little more access to the under-side of the shock tower.



Step 10 - Install plastic-end fittings

A. The gas spring extension may already have the plastic end-fittings installed. If so, please skip this step - otherwise, unscrew the metal end-fitting from the extended shaft and install our included plastic end-fitting.

Step 11 - Cycle gas spring - then install

A. **CYCLE 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. Have a friend hold the hood up.



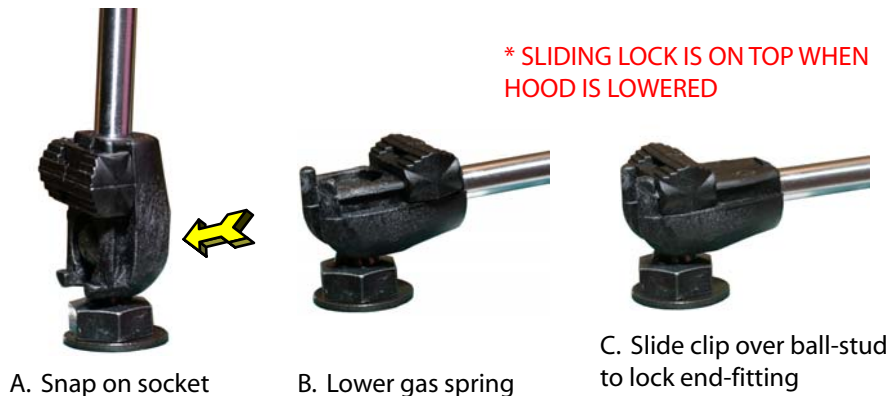
Step 12 - Insert hood locking clips into ball-stud socket

A. Holding curved end of locking clip, slide the straight end back through both holes in the hood's ball-stud socket. Once securely through both holes, rotate clip to 'snap' the locking clip onto shaft.



Step 13 - Install gas spring onto fender ball-stud (plastic end-fitting attaches to fender).

- A. Firmly press the open end of the socket onto the ball-stud.
- B. Lower gas spring down such that the locking mechanism is on top.
- C. Slide the locking mechanism over the ball-stud to secure the gas spring. **Be sure that the locking clip slides all the way over the ball-stud - this will ensure that this end of the gas spring will not free itself.**



A. Using a 10mm socket or wrench, unscrew the bolt holding down the front of the battery. **Slide the plastic rod holder forward and off the front edge of the battery tie-down bracket. Remove prop rod and reinstall 10mm nut.**

