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## Honda Civic 2006-07 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-A6A-SS** (Be sure to cycle before installing)
- \* (1) Ball-stud brackets (smaller bracket used on hood)
- \* (2) Two rivets - for hood bracket
- \* Jacknut assembly - (1) special wrench, (1) washer, (1) jack-nut, (1) lock-nut
- \* 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 & 5/32" drill bits
- \* 7/16" & 5/8" 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 size)



*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 hood bracket centerline.

- A. Raise hood and prop it using prop rod for the last time.
- B. Place a piece of masking tape on the hood's frame.
- C. Measure from the top of the hood's hinge up along the hood's frame and place a mark at **7-1/2"**. This mark will be used to align the hood bracket (centerline of the ball-stud).



#### Step 4 - Mark lower hole for drilling.

A. Holding bracket in place with the ball-stud pointing outward, mark the center of the lower hole using a permanent felt tip marker. Be sure the bracket is straight and sitting flat against the hood's frame about 1/4" in from the inner frame edge.

B. Pull back the hood liner and slide the bracket underneath for proper fit.

C. Set bracket aside. Using a center punch and a hammer, tap the center of the mark you just made.



#### 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 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 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 7 - 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.

**Cut away the hood liner around the border of the installed bracket.**



### Step 12 - Remove wrench & reinstall trim.

- A. Check to be sure that the ball-stud feels secure. If not, tighten the ball-stud slightly until it feels secure. **Overtightening will cause the jack-nut to loosen and not work properly.**
- B. Remove the ball-stud, washer and wrench & reinstall the trim pieces...
- C. Reinstall the ball-stud and washer then securely tighten.  
**DO NOT OVERTIGHTEN**



### Step 14 - 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. Remove the stock prop rod assembly at this time.



### Step 14 - 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. Snap on socket



B. Lower gas spring



C. Slide clip over ball-stud to lock end-fitting

\* SLIDING LOCK IS ON TOP WHEN HOOD IS LOWERED

### Step 15 - Insert hood locking clips into ball-stud sockets

- 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 8 - Remove plastic trim pieces as shown

A. Remove plastic pin shown in Figure 1.

B. Remove two plastic pins that attach the plastic trim piece running along the fender lip - this will expose the piece shown in Figure 3.

(This hole will be used as our lower mounting location once the following steps have been completed.)



## Step 9 - Carefully lift and enlarge the plastic hole

A. Carefully lift the plastic trim in the corner. This will expose the metal below the plastic where the plastic snap was connecting - we will be using this hole to attach our jack-nut assembly.

B. While holding up the trim piece, drill out the enlarge the existing hole with a large **5/8"** drill bit. This will give clearance for the mounting hardware. **DO NOT DRILL THROUGH THE STEEL HOLE, ONLY THE PLASTIC TRIM.**



## Step 10 - Enlarge fender hole for jack-nut assembly.

A. Using a **7/16"** socket and wrench, carefully enlarge the steel hole (Figure 1). Start with a smaller drill bit and work your way up to the 7/16" size. **Do not drill any larger than 7/16".**



## Step 11 - Insert jack-nut assembly and tighten

A. Insert the jacknut assembly into the hole with the ball-stud on top. The only portion that should go into the hole will be the jack-nut itself. *This device will expand and flare the legs when tightening, creating a blind nut to complete the installation.*

B. Using a **1/2" or 13mm** wrench, tighten the ball-stud while holding the included wrench. This will flare the jack-nut legs on the back side and secure it in place. **DO NOT OVERTIGHTEN. STOP WHEN IT BEGINS TO FIRM UP.**

