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REDLINE TUNING 2005-2010 Scion tC 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:

- * (1) Gas spring **QL-200-7A**
- * (1) Hood bracket **32-00001**
- * (1) Fender bracket **32-00002**
- * (4) Multi-grip rivets **55-00021**
- * (4) Self-tapping screws
- * Printed Color Instructions



Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

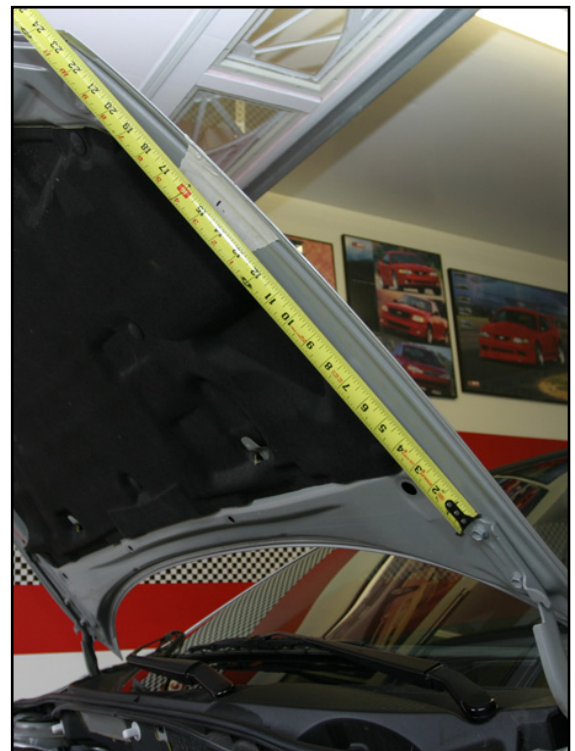
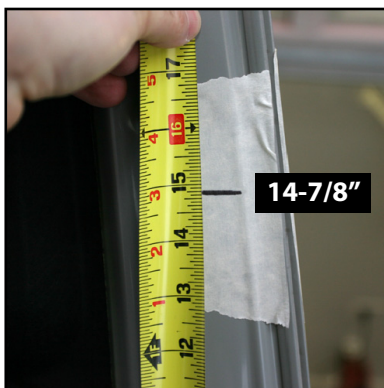
- * Power Drill
- * 3/16" & 5/32" drill bits
- * 5/16" socket and socket wrench
- * Fine permanent marker or felt tip pen
- * Tape Measure or ruler
- * Masking Tape
- * Hammer & center punch
- * Rivet gun, capable of 3/16" rivets



Recommended:
Hand Riveter (**38-00047**)

Step 3 - Mark hood bracket location.

- A. Raise hood and prop it using prop rod for the last time.
- B. Measure from the top of the hood's hinge up along the hood's frame (on driver's/left-hand side) and place a mark at **14-7/8"**. This mark will be used to align the hood bracket (centerline of the ball-stud).

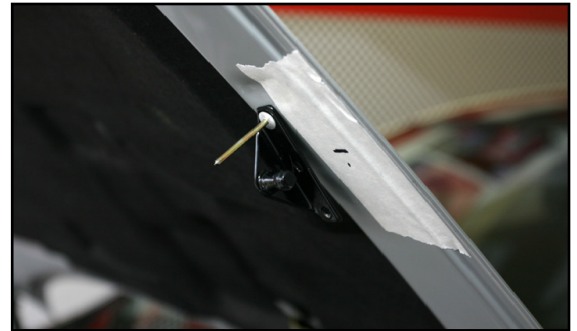


Step 4 - Mark and drill 3/16" hole.

A. Center hood bracket with mark. With ball-stud pointing **outward**, bracket should sit flat against the hood's frame about **1/4"** in from the inner frame edge. Mark the upper (left) hole.

B. Set bracket aside. Using a center punch and hammer, tap center of the mark to help guide the drill bit.

C. Drill the upper bracket hole with a **3/16" bit**.



Step 5 - Rivet bracket to hood.

A. With bracket aligned, put the rivet through the bracket and hole with the long stem sticking outward. The rivet may require a few twists while pushing it in.

B. Use the **3/16"** rivet head. 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.

Repeat Steps 4-5 for the lower (right) hole.



Step 6 - Mark fender bracket location.

A. Align fender bracket on driver's (left hand) side of car. Bracket should sit **2-3/4"** from the raised fender lip with ball-stud pointing **inward**. Both edges touch the raised metal edges on either side.

B. Mark left hole.



Step 7 - Drill 5/32" hole.

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



Step 8 - Screw bracket to fender.

A. Using a **5/16"** socket and wrench, carefully screw into the fender. Apply adequate pressure while screwing the sheet metal screw in. You will be creating threads through layers of steel on the fender lip and it will require force.

B. If a 5/16" drill socket is available, this can be used to screw/thread in the self-tapping screw.

Repeat Steps 7-8 for the right hole of the fender



Step 9 - Install gas spring.

A. Snap rod end of gas spring onto fender (lower) ball-stud.

B. Snap body end of strut onto hood (upper) ball-stud.

NOTE: Carefully rock the gas spring end fittings over ball-studs. This allows for the c-clip inside the end-fitting to spread apart and wrap around the ball-stud. If the socket is forced on, the c-clip will bend inward and the end fitting will pop off.

