



Manual Rev.
1.03
10-19-07

This manual is property of Redline Tuning LLC. Any unauthorized duplication or use without written permission from Redline Tuning LLC, violates Copyright laws. Copyright © 2003 Redline Tuning LLC. All Rights Reserved.



2004-07 Acura TSX 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-120-10A) - Be sure to cycle them a few times before installing.
- * (4) Self tapping screws
- * (2) Replacement hood hinge bolts
- * (2) Steel brackets for fender
- * Printed Color Instructions
- * Gas Spring Locking clips - (Already installed in 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
- * Sharp 5/32", 5/16" drill bits - SHARP and NEW!
- * 5/16" socket and wrench
- * 13mm socket and socket wrench
- * 13mm open end wrench
- * Fine permanent marker or felt tip pen
- * Tape Measure or ruler
- * Masking Tape
- * Hammer & center punch

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

Step 3 - Mark center point of hood hinge ball-stud.

A. Carefully measure the center point of the hood's ball-stud mount. Measure **2"** from the front edge of the hood hinge down along the bracket. Place a mark at exactly **2"** - this mark should be centered vertically between the bottom edge of the metal and the bottom of the hood's frame. Use the additional photos in this step and the next to exactly place this mark.



Copyright © 2003 Redline Tuning LLC. All Rights Reserved.

Step 4 - Mark center of hole using center punch.

A. Mark center of hole using a center punch. This will help to keep the drill bit and keep it from wandering when drilling.



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

A. Using a sharp 5/16" drill bit, carefully drill the hole.



Step 6 - Clean and touch up hole using vehicle touch up paint.

A. Clean the work area around the hole you just drilled. Using touch up paint supplied with your vehicle, touch up the hole you just drilled. Allow to dry before starting the next step.

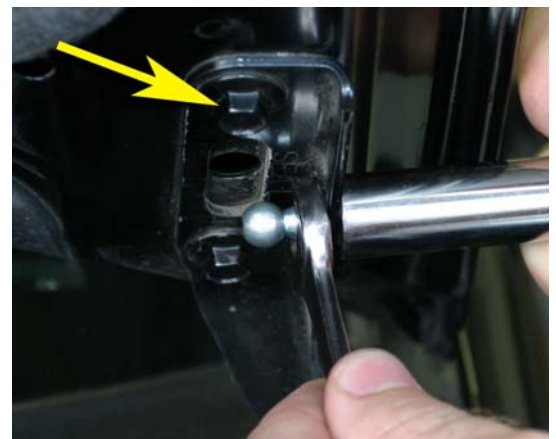
Step 7 - Install the ball-stud onto hood hinge.

- A. Gather one ball-stud and one locking nut.
- B. Install the ball-stud through the hole with the stud pointing inward or toward the vehicle and the locking nut on the outside.
- C. Be sure to position the ball-stud at the bottom of the hole - furthest from the hood - this will allow more clearance for the gas spring as it passes under the upper hood hinge bolt.
- D. Using the 13mm socket and wrench, tighten down the ball stud.



Step 8 - Replace upper hood hinge bolt

- A. Remove the upper hood hinge bolt - shown to the right.
- B. Replace this bolt with the stainless steel bolt supplied in your QuickLIFT system. This lower profile bolt allows clearance for the gas spring when the hood is closed.



Step 9 - Repeat steps 3-8 and install the passenger side hood ball-stud.

- A. Repeat Steps 3-8 to install the upper passenger hood ball-stud. Take your time.

Step 10 - Position and mark first hole for driver's side fender bracket.

- A. Hold the bracket in position as shown to the right.

The bracket's ball-stud should face inward or toward the vehicle while the back of the bracket should sit up against the inner fender. Center the bracket between both edges to gain the flat surface for the bracket to mount.

- B. Mark upper hole using a fine permanent marker.



Step 11 - Tap 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 during the following step.



Step 12 - Drill upper or right hole using 5/32" drill bit.

- A. Drill the right hole at the marked position using a sharp **5/32" drill bit**.



Step 13 - Attach the right 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 right or upper screw into the fender. Apply adequate pressure while screwing the sheet metal screw in - you will be creating threads through the layers of steel on the fender lip and it will require force. You can also use a nut driver and a drill for this process - it will make the job easier.



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

- A. Using a permanent marker, mark the left or lower hole of the fender bracket. **Be sure the bracket is parallel to the fender.**
- B. 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.

- A. Drill the second hole (hole closer to the front of the vehicle) 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.
- B. Attach the bracket using the same 5/16" socket and wrench, or use a nut driver for your drill - (job made easier). Secure both screws and bracket at this time.



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

- A. 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 - Install Gas springs

- A. **Cycle your gas-springs.** Holding the thick end with two hands, carefully and firmly push the extending rod against the floor - compress the gas-springs a few times to lubricate shaft. If you are not able to compress the gas springs do not worry, they are not faulty, they are just very high pressure and require a lot of force - proceed to Step B.
- B. Install the driver's side gas spring with the cylinder at the top (large end up and connected to the hood bracket ball stud). Be sure that the gas spring sockets snap securely onto the ball studs. Continue holding the hood until Step 17 is completed.

BE SURE TO CLOSE THE HOOD VERY SLOWLY THE FIRST TIME IF YOU DID NOT CYCLE GAS SPRINGS - this will allow them to lubricate themselves and work normally.



Step 17 - Install the gas spring locking clips.

- A. Install gas spring locking clips - just as they were removed for assembly.