



2005+ Dodge Charger, 300, Magnum 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-145-6A) - Be sure to cycle them a few times before installing.
- * (4) forged self-tapping screws
- * (2) ball-stud mounting brackets
- * Printed Color Instructions
- * Gas Spring locking clips - (Already installed in the gas spring socket-ends - Remove before assembly) - **Do not drop, they will disappear!**



(QTY 2)



(4 Screws)

Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

- * Power Drill
- * 5/32" drill bit
- * 5/16" socket driver bit for drill.
- * Fine permanent marker or felt tip pen
- * Tape measure
- * Masking tape
- * Hammer & center punch

Step 3 - Align fender bracket mounting location

- A. Open hood and prop with rod for the last time.
- B. Pop off the cable running near mounting bracket location (Figure 1).
- C. Align the mounting bracket as shown in the photos. The bracket should sit with the back edge aligned to the steel edge, the left side of the bracket aligned to the steel edge with the ball-stud pointing inward or toward the engine (Figures 2 & 3).



Figure 1



Figure 2

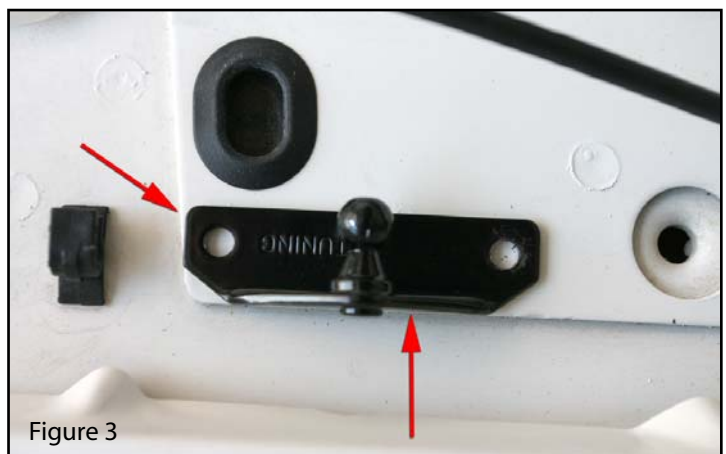


Figure 3

Step 4 - Align bracket and mark hole for drilling.

- A. Align the bracket as described in Step 3.
- B. Using a center punch and a hammer, tap the center of the right hole. This will help guide the drill bit and keep it from wandering during the following step.
- C. Drill the hole at the marked position using a sharp **5/32"** drill bit.



Step 5 - Attach one side of 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 or 5/16" nut driver on drill, carefully screw the right 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.

Note: If a 5/16" nut driver is available, this can be used to screw/thread in the self-tapping screw.



Step 6 - Drill second hole and attach bracket.

- A. Drill the second hole 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.
- Secure both screws on the bracket at this time.



Step 7 - Repeat steps 3-6 to attach the passenger fender bracket.

A. Repeat Steps 3-6 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 8 - Cycle both gas springs a few 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. Compress both springs. Have a friend hold the hood up.

Compress each gas spring a few times - Note: If you unable to compress the gas springs, do not worry. Normal function after installation will also serve the same purpose.



Step 9 - Install gas springs.

A. Have a friend hold the hood up. Remove the stock prop rod assembly at this time.

B. Install the driver's side gas-springs with the cylinder at the top (large end up and connected to the hood's ball stud located on the hood's hinge). Be sure that the spring sockets snap securely onto the ball studs. Continue holding the hood until Step 9 is completed. **This procedure is most easily done if the upper ends are snapped onto the ball-studs first and attach the lower ends last.**



Step 10 - 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.