



Manual Rev.  
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## 2005-07 Ford Five Hundred & Ford Freestyle, 2008-09 Ford Taurus X 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 (**QL-145-A6**) - Be sure to cycle them a few times before installing.
- \* (8) 3/16" Multi-grip Rivets
- \* (4) Steel brackets - 2 fender, 2 hood.
- \* Printed Color Instructions



### Step 2 - Gather the required tools.

Please gather the following tools before you begin the installation:

- \* Power Drill
- \* 3/16", indexed #11 drill bits
- \* 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)

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



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

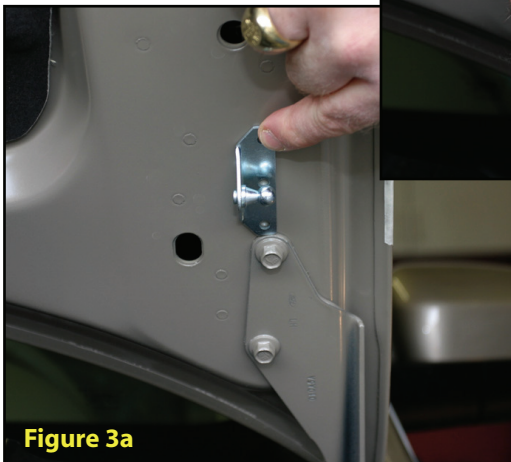
500, Freestyle, Taurus X Hood QuickLIFT

### Step 3 - Align hood bracket in position shown.

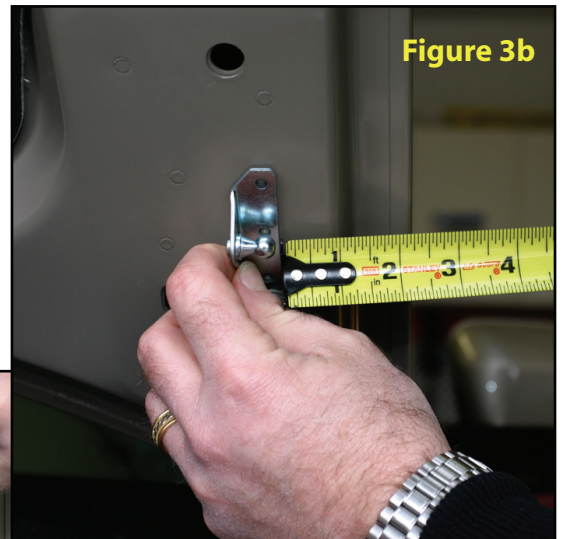
A. Open your hood, prop with rod.

B. Carefully place the bracket such that the ball-stud faces outward or away from the vehicle (**Figure 3a**). Align the bracket as shown to the right - parallel to the hood's frame and **2-1/4"** to the edge of the hood's skin (**Figure 3b**).

C. The bottom edge of the bracket should be up to **1/16"** above the hood's hinge, no further.



**Figure 3a**



**Figure 3b**

### Step 4 - Align bracket and mark upper hole for drilling.

A. With the placed in the position from Step 3, place a mark in the center of the upper hole.

B. Set bracket aside. Using a center punch and a hammer, tap the center of the mark you just made (this indentation will help guide the drill bit and keep it from wandering).



### Step 5 - Drill #11 indexed bit hole, or 3/16" hole.

A. Carefully drill the 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.

**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 upper end of bracket to hood.

A. Hold the bracket in position.

B. With the bracket lined up again, place a 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 lower hole

A. Reposition or rotate bracket into the proper position against hood lip. Carefully drill the second hole through bracket hole and hood.

Wrap end of drill bit 1/4" down from tip with electrical tape to keep drill bit from pulling through and hitting hood skin.



#### Riveting Tips:

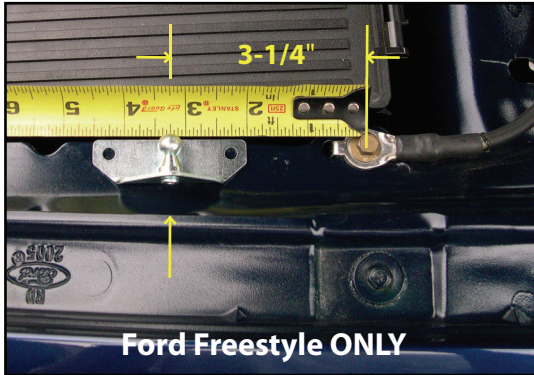
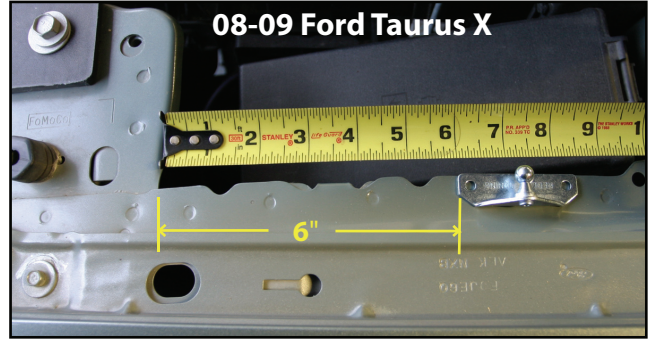
Visit <http://www.redlinetuning.com/QL-tips.html>

### Step 8 - Repeat steps 3-7 and install the passenger side hood bracket.

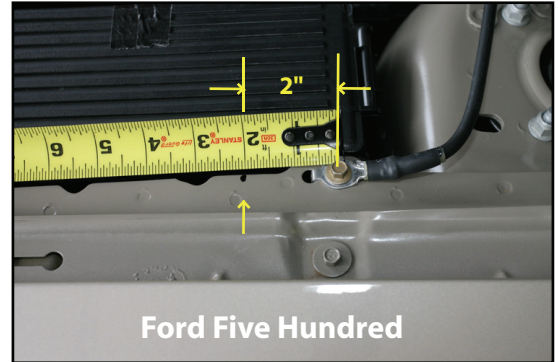
A. Your vehicle hood has a symmetrical under structure. Repeat Steps 3-7 to install the upper passenger hood bracket. Take your time.

**Step 9 - Locate centerline of driver's side fender bracket - NOTE CORRECT VEHICLE.**

**Taurus X ONLY** - Place a mark **6"** from the area shown to the to the closest edge of the fender bracket. This mark will be used to align the left edge of bracket. The mark should be placed on the inside edge of the inner fender lip...align the bracket as shown to the right.



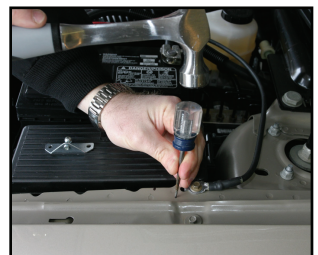
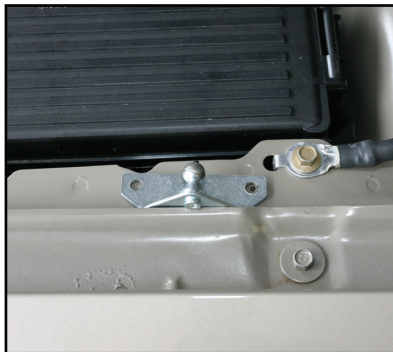
**Ford Freestyle ONLY** - Place a mark **3-1/4"** down from the ground strap's bolt centerline as shown below. This mark will be used to align the centerline of the bracket. The mark should be placed on the inside edge of the inner fender...the lower arrow shows where to place the mark.



**Five Hundred ONLY** - Place a mark **2"** down from the ground strap's bolt centerline as shown below. This mark will be used to align the centerline of the bracket. The mark should be placed on the inside edge of the inner fender...the lower arrow shows where to place the mark.

**Step 10 - Mark hole and drill**

- A. Place the bracket as described in Step 9 with the mark you just made - note the difference between the Five Hundred/Montego, Freestyle & Taurus X. The ball-stud should face inward or toward the engine.
- B. Mark the center of upper or right hole using a permanent marker and tap the center of the marked hole using a center punch and hammer.
- C. Drill the upper or right hole at the marked position using a sharp **3/16" or indexed #11 drill bit**.



**Step 11 - Attach the upper or right end of the bracket to fender.**

- A. Using a color matching paint, touch up the area where you just drilled the hole.
- B. Rivet the bracket into place as described in an earlier step.



## Step 12 - Mark center with marker and indent with center punch.

- Using a permanent marker, mark the left or lower hole of the fender bracket. **Be sure the bracket is tucked up tightly to the fender lip.**
- 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.

## Step 13 - Drill second hole and attach bracket.

- Carefully drill the hole as shown to the right using a **(#11 indexed bit)** or **(use 3/16" bit if #11 bit is not available).**
- Rivet bracket into place.



## Step 14 - Repeat steps 9-13 to attach the passenger fender bracket.

- Repeat Steps 9-13 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 15 - Cycle both gas springs - then install

- 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. Do this to both springs. Have a friend hold the hood up. Remove the stock prop rod assembly at this time.
- Install the driver's side gas spring with the cylinder on the hood ball-stud (large end up). Be sure that the sockets snap securely onto the ball studs. Have friend remain holding the hood up while completing installation.
- Carefully check over the installation - slowly lower and raise the hood a few times.

ENJOY YOUR QUICKLIFT!

