



# **FORD PERFORMANCE**

## 2005 to 2014 Ford Performance Hood

### Strut Kit---HD514FD-15

- 1) Read Installation instructions before starting.
- 2) Due to build variations, issues may arise when installing the kit on aftermarket hoods. Consider the following factors
  - a. Some light aftermarket hood may bow just forward of the strut mount due to the forward weight of the hood and the lack of strength in the strut mount area
  - b. Some heavy aftermarket hoods (such as Supersnake style hoods) may weigh too much and will require a heavier strut pressure. These are available from the supplier directly.



#### Kit contents:

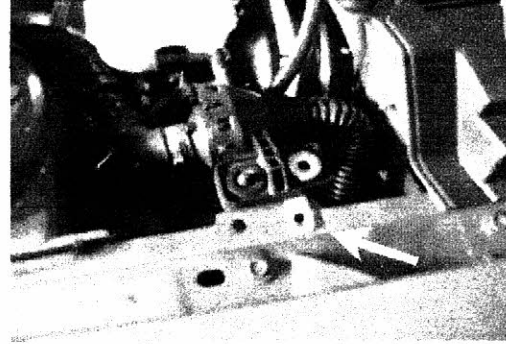
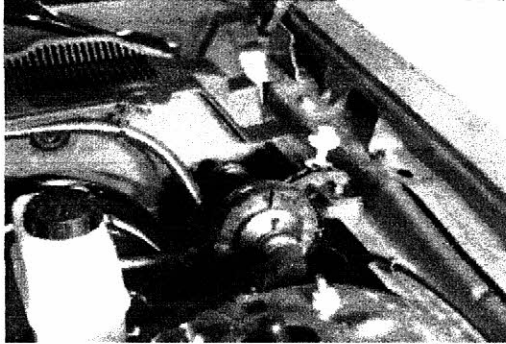
- 1- Drivers side hood bracket marked with a "D"
- 1-Passanger side hood bracket marked with a "P"
- 2-Lower fender brackets (same for either side)
- 2-gas struts with Ford Performance Logo (L & R)

Tools Needed:

- Flat screwdriver
- ¼" Drive Ratchet
- ¼" Drive 2" extension
- ¼" drive 10MM Socket
- ¼" drive 13 MM socket (2010-14 model year)

**2010-14 Model Pre-Installation Modification – Relocate the Sound Tube Canister:**

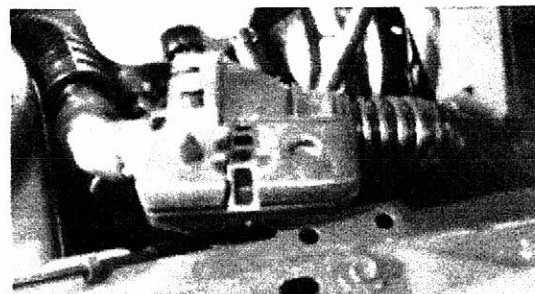
1. Raise hood and prop open.
2. Remove the Bolt (13mm) that secures the module to the fender. Remove the factory U-Nut from the fender flange (SAVE FOR REUSE).



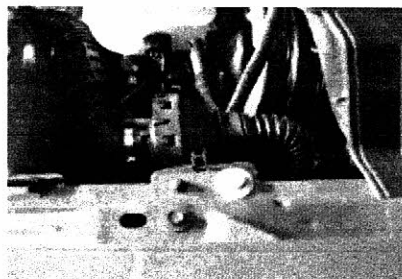
3. Remove the metal bushing from the rubber isolator by lifting up.



4. Remove the rubber isolator from the canister and cut out ½" from the center of the isolator, as shown below. Replace the isolator halves onto the top side of canister bracket. Insert the metal bushing into isolator from the bottom side, as shown below.

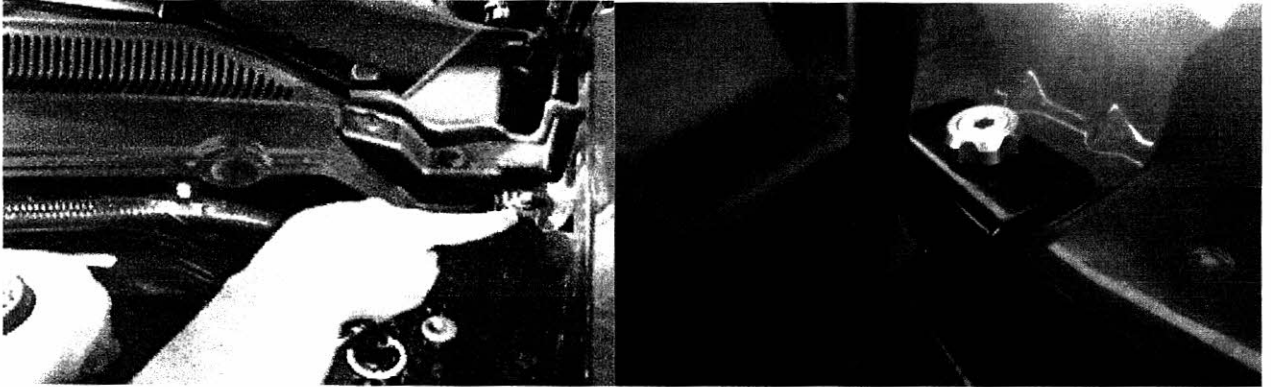


5. Install the canister to the BOTTOM SIDE of the fender flange using the factory bolt and U-Nut.



## Installation of hood Struts—All Model Years

1. Raise hood and prop open.
2. Remove the exposed fender bolts immediately forward of the hood hinge (one on each side).
3. Install provided fender brackets on left and right side (some model year applications may require minor trimming of the plastic vent housing, however in most cases the bracket will slide behind the plastic).



### NOTE:

Perform the following steps on one side of the hood at a time. Make sure the hood is properly supported before continuing!

4. There are two bolts that hold the hinge to the hood. Remove the bolt most forward (nearest the front of the car).
5. Loosen the rear bolt approximately 3/16" or enough to allow the provided Hood Bracket to slide under the bolt into place (Bracket marked "P" is for the passenger side and Bracket marked "D" is for the driver's side).
6. Make sure to place the Bracket between the hinge and bolt head, **NOT between the hinge and the hood.**



7. Reinstall the forward bolt through the Hood Bracket and thread into hood. Tighten both hood bolts to at least 25 foot lbs. of torque.
8. Repeat the same step (4-7) on the other side.

### NOTE:

**Windshield washer hose may need to be rerouted to prevent pinching/damage. Do NOT crimp hose under the bracket on the passenger side.**

9. When all 4 brackets are installed and tightened, attach the struts by simple pushing them on the balls. Ensure that the left strut is on the left and right on the right. This is done by making sure the Ford Performance logo is right side up & legible. The strut will have the rod down and attached to the fender ball. The rod should be rotated if need be to fit properly.
10. Higher pressure gas struts may be purchased from [Designer Auto Accessories.com](http://DesignerAutoAccessories.com) for the heavier aftermarket hoods.