



Protecting Your Adventure Lifestyle

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## **21350 Ford Mustang HoodLift**

### **INSTALLATION INSTRUCTIONS**

#### **Fits '99-'04 Ford Mustang**

**NOTE:** Congratulations on your purchase of a genuine HoodLift® made by the company who invented the Jeep aftermarket HoodLift® in the mid 1990's. It is made from the finest components available and should give you years of trouble-free service. The installation should take less than an hour and some drilling is required. Please read through the entire instructions before getting started.

#### **Tools needed:**

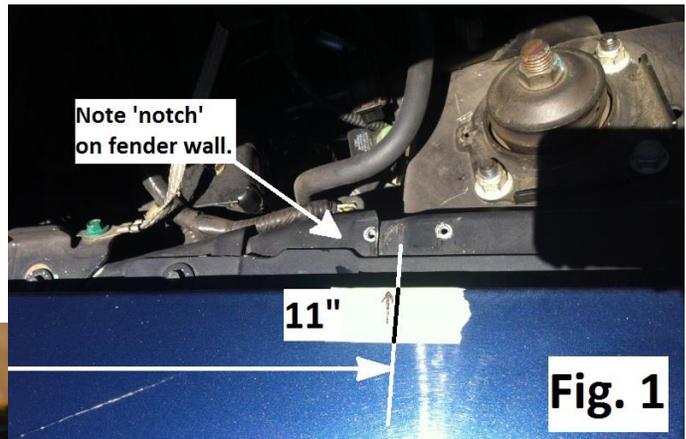
Hand Drill (cordless)  
5/16" Socket and Ratchet Handle  
Marker Pen or Scribe  
Masking Tape  
Center Punch  
Tape Measure

#### **Supplied Parts:**

(2) Gas Springs  
(2) Upper Ball Stud Brackets 60° Outer  
(2) Lower Ball Stud Brackets 90° Outer  
(12) Sheet Metal Screws  
(10) Star Lock Washers  
(1) 7/64th Drill bit

#### **INSTALLATION**

1. Before opening the hood and getting started, take a tape measure and measure from the back corner of the hood up along the fender seam and at the 11" mark and 25" mark, lay a short piece of masking tape at those locations (driver & passenger side). At the 11" mark, apply the tape on the fender side of the gap and at the 25" mark, on the hood side. Make an indication with your marking pen on the tape. Now you may lift up the hood and place it on the factory prop rod.
2. With the hood open, place the 90° bracket at the 11" mark on the fender side so the center of the ball stud faces out and lines up with the mark on the tape. **(Fig. 1)** There is also a 'notch' in the fender wall lip that the bracket can sit next to. Make marks through the holes with your pen to prepare for drilling.



3.



Wrap some masking tape around your 7/64" drill bit as shown in **Fig. 2** so it will only go approx. 1/4" through the sheet metal. This is to prevent you from drilling too far and damaging anything that may be below the surface of the sheet metal. Make certain the tape is wrapped tight and that it goes all the way to the drill chuck so the tape doesn't slide. Take a

center punch and tap an indent into the center of each mark you've made for the holes. This will prevent the drill bit from wandering around the surface when starting to drill the hole. Drill the two holes with the tape-wrapped drill bit for the sheet metal screws. Take one of the gas springs and attach the rod side to the 90° bracket then screw the



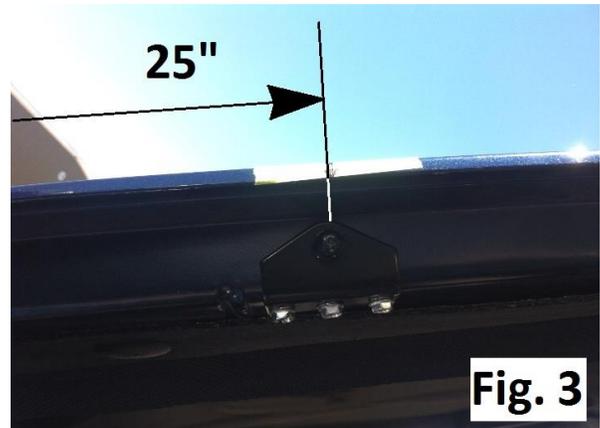
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bracket down onto the fender wall with the 5/16" socket. You need to attach the spring onto the lower ball stud bracket before you screw the bracket down otherwise you wouldn't be able to attach the gas spring. Allow the gas spring to lay along the fender wall while you complete the remaining steps.

4. Take the 60° upper ball stud bracket and center the ball stud on the 25" mark made on the hood. See **Fig. 3 & 4** for bracket positioning. Make your marks through the three holes in the bracket and drill them out with the tape-wrapped drill bit.



upper ball stud brackets, taking care to not let go of the hood until both gas springs are snapped into place. If you snap the gas springs completely on before folding the factory prop rod, you may have some difficulty disengaging it. Your hood will now remain up, but before testing the opening and closing function of the install, check for tools or anything that may have been left in the engine compartment.

7. Once you've determined the engine compartment is free and clear, go ahead and lower the hood slowly making sure there is no binding or clearance issues. If everything checks out ok, lift up on the hood allowing the gas springs to take over about 1/3<sup>rd</sup> of the way up. Close and open the hood a few times to check the gas springs' functionality. They should raise the hood from a neutral point about 12" opened and come to a smooth, dampened stop at the top of the stroke. If it does not have that dampened stop, you may have inadvertently installed your gas springs upside down. The large cylinder portion of the gas spring should be oriented up. Upside down gas springs will also have a shorter life than properly installed ones.
8. If you ever need to remove a gas spring from its ball stud bracket, slip a small screwdriver under the small semi-circular clip near the end and lift it up to release it from the ball stud it is capturing.

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If you need further assistance installing your product, please contact us by email at [techsupport@warriorproducts.com](mailto:techsupport@warriorproducts.com) or call us at (888) 220-6861.

**THANK YOU FOR PURCHASING HOODLIFT BY WARRIOR PRODUCTS**

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