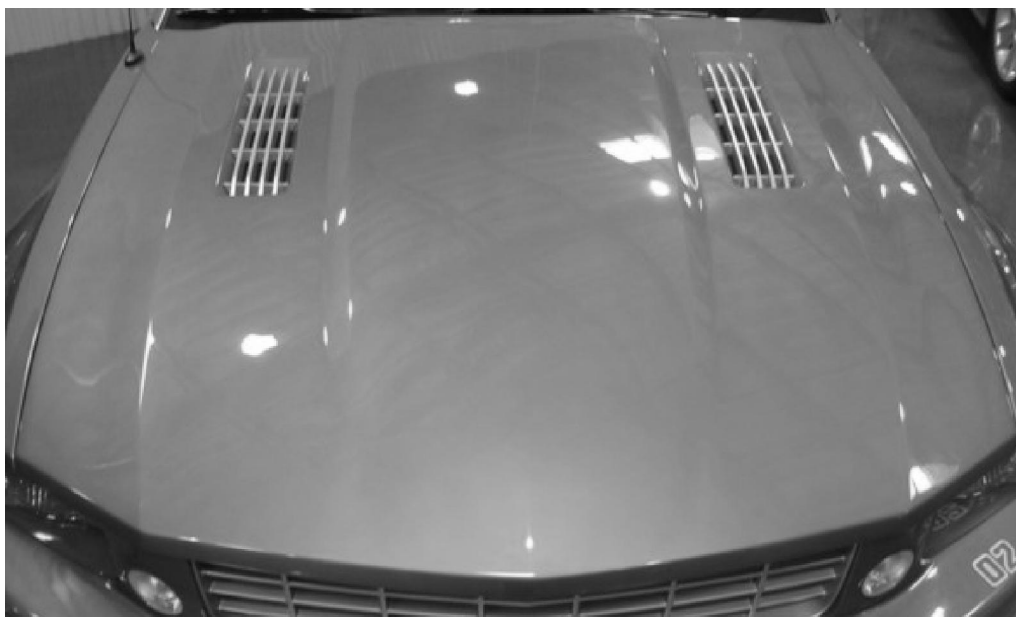


# **SALEEN SPEEDLAB HOOD KIT**



**INSTALLATION MANUAL: 2005 to '09 Mustang**

**P/N: 10-8002-C11870C**

## **SALEEN**

Saleen Performance, Inc. 1225 East Maple Rd. Troy, MI 48063 (800)-888-8945

[www.saleen.com](http://www.saleen.com)



***IF YOU ARE NOT EXPERIENCED IN THE  
AREA OF AUTOMOTIVE MECHANICS, WE  
STRONGLY URGE THAT YOU REFER THIS  
INSTALLATION TO A CERTIFIED INSTALLER  
OR TECHNICIAN***



## **Saleen Speedlab Hood Kit Installation Guide for 2005 to '09 Mustang**

**WELCOME!**

Thank you for buying the Saleen Speedlab Hood Kit for the '05 to '09 Mustang. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install the hood kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in the accompanying installation guide. We want you to enjoy the product in its fully functional state, and reading this tutorial is a great first step to getting you on your way to a more rare and attractive Mustang.

NOTE: Please keep all hardware you remove from your stock Mustang, as much of it will be reused to install the new hood kit pieces.

**YOU ARE RESPONSIBLE FOR PREPPING AND PAINTING THE HOOD. SALEEN RECOMMENDS HIRING A PROFESSIONAL PAINTER WHO IS FAMILIAR WITH FIBERGLASS, AND THAT YOU PAINT THE RAW HOOD BEFORE ATTEMPTING ANY SUBASSEMBLY.**

**ALSO, PLEASE PAY SPECIAL ATTENTION TO THE TORQUE SPECS AND USAGE OF LOCTITE DURING THE INSTALLATION OF YOUR HOOD.**

Again, thank you for choosing Saleen!



**OBTAIN THE FOLLOWING TOOLS:**

- ¼" DRIVE AIR RATCHET
- 10 MM SHALLOW WOBBLY SOCKET, ¼" DRIVE
- PANEL PULLER
- RIGHT ANGLE PICK

Part Numbers	Description	Qty.
06-1101-C09837	Hood vent LH	1
06-1101-C09838	Hood vent RH	1
06-1106-C11145	Hood Fiberglass 2005 S281	1
00-1106-C11405*	Hood Washer Nozzle Fiberglass 05 Mustang	2
00-9001-C11633*	Screw Phil HD Flat Top Washer #8x5/8" BLK Coated	8
00-9010-C11869*	Tubing, polyethylene, blk, 0.17" id, 1/4" OD	2 x 0.5" piece

## I Hood Removal

### OBTAIN THE FOLLOWING TOOLS:

- ¼" DRIVE RATCHET
- 10 MM SHALLOW WOBBLY SOCKET, ¼" DRIVE
- PANEL PULLER

### ORDER OF OPERATIONS:

1. Remove 13 Christmas trees from hood liner with panel puller. **(FIGURE 1)**
2. Using the panel puller, remove piping for washer fluid nozzles and two cable holders. Leave the nozzles in, and disconnect the line from the nozzles. **(FIGURE 2).**
3. Have someone help you hold the back of the hood up. Remove the four bolts attaching the hood to the hinges using the ¼" drive air ratchet with a 10 mm socket. **BE CAREFUL** when you remove the screws the hood **WILL** fall and crack the windshield – have someone help you hold the hood! **(FIGURE 3)**
4. Lift hood straight off the vehicle, with the help of a partner. **(FIGURE 4)**

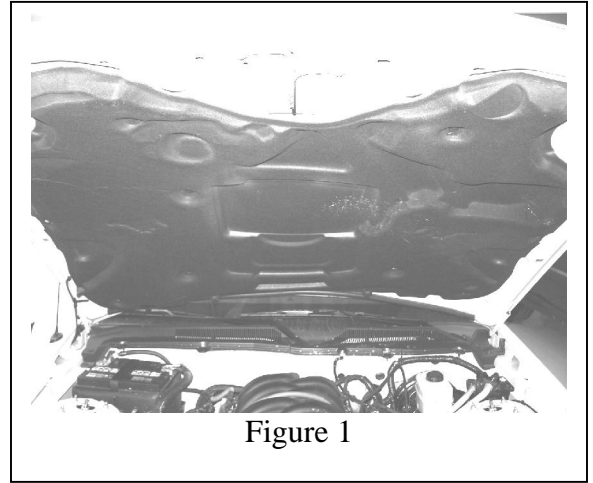


Figure 1

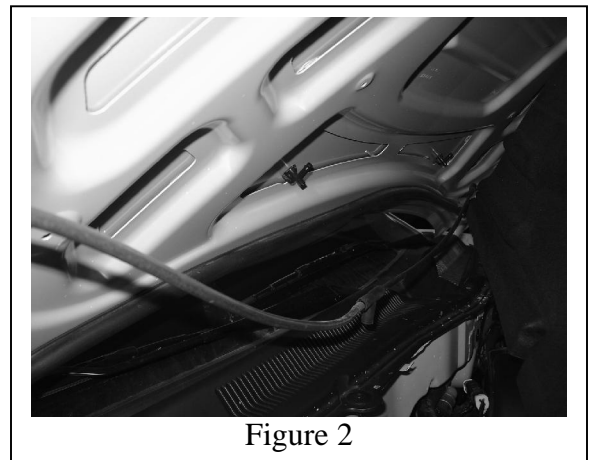


Figure 2



Figure 3

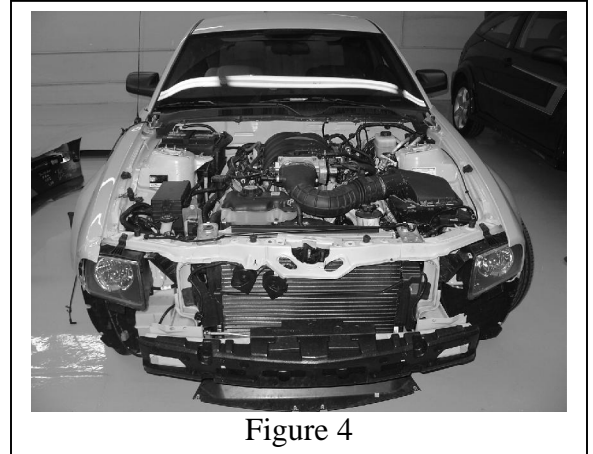


Figure 4



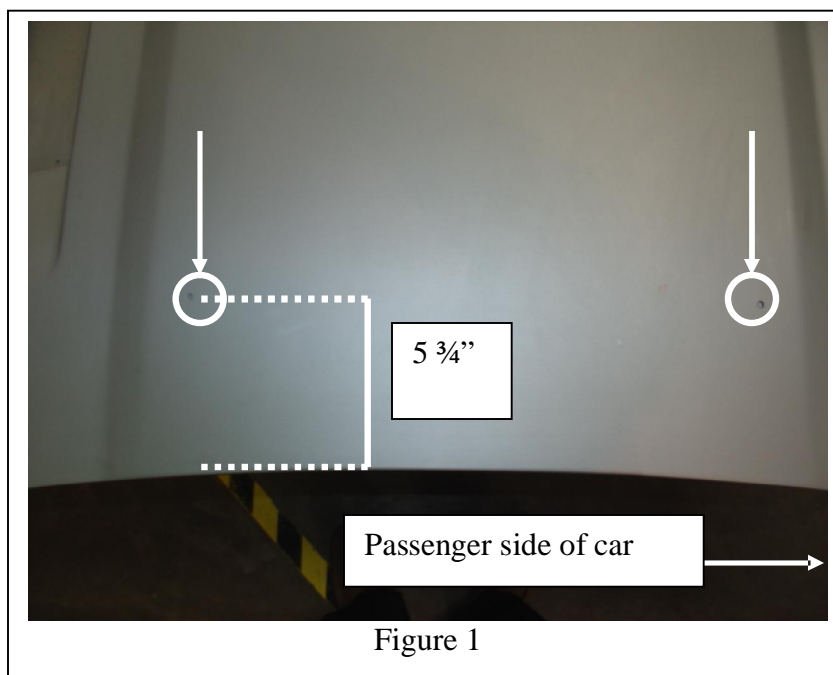
## II Hood Subassembly

### OBTAIN THE FOLLOWING TOOLS:

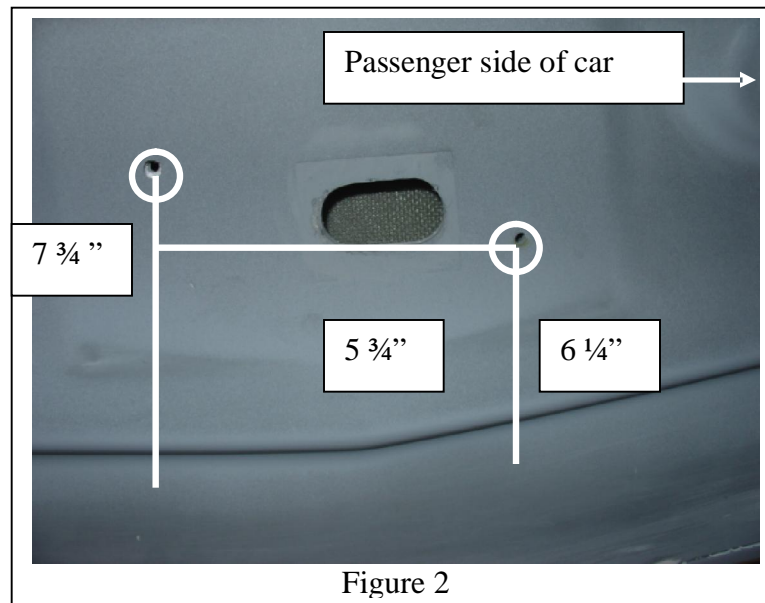
- DRILL
- 5 MM or #8 BIT
- TAP FOR M6 HOLE
- 6.8 MM or H BIT
- TAP FOR M8 HOLE
- 5 /16" BIT

### ORDER OF OPERATIONS:

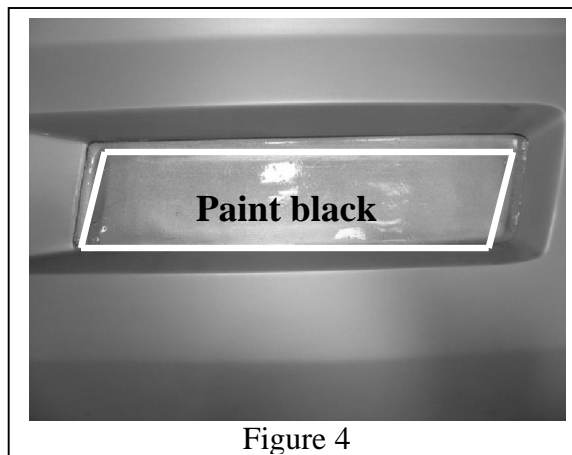
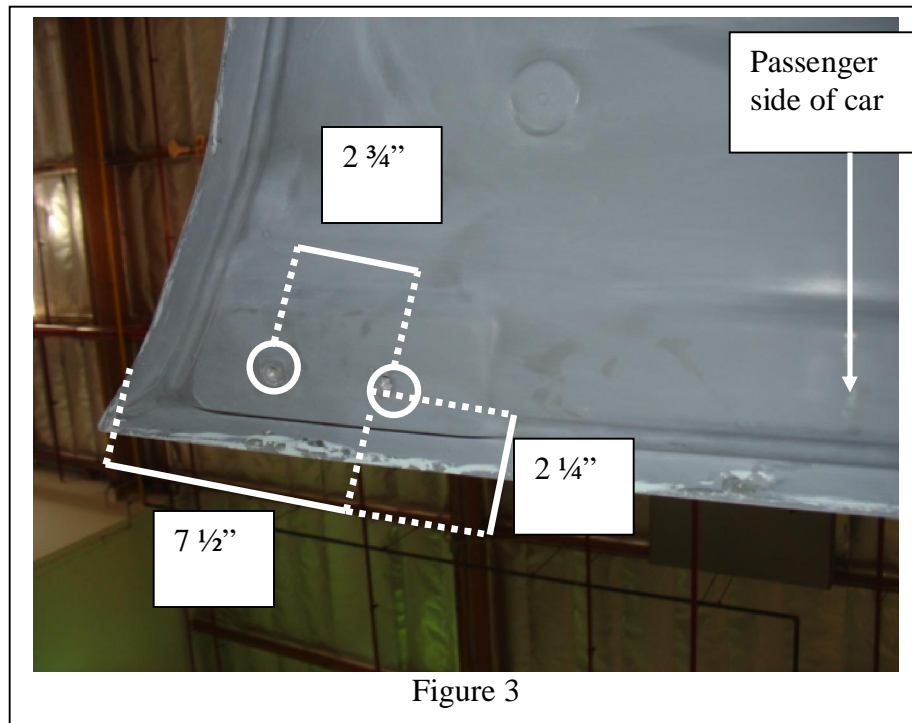
1. Using the drill with the 5/16" bit, drill out the holes for the windshield washer nozzles. Locate the hole centers 5 3/4" in front of the back edge of the hood, and 19 3/4" in from the outboard edges of the hood. (**Figure 1**) Check that the nozzles fit snugly in the holes before painting the hood; open holes up slightly if necessary.



2. Using the drill with the 5 mm bit, drill holes for the hood latch/striker. Locate the passenger side hole center  $6\frac{1}{4}"$  back from the front of the hood, and  $24\frac{3}{4}"$  in from the passenger side edge of the hood. Drill the driver side hole  $7\frac{3}{4}"$  back from the front of the hood, and  $24\frac{1}{2}"$  in from the driver side edge. **The two hole centers must be  $5\frac{3}{4}"$  apart**, measuring horizontally (not straight from hole to hole, which would be a diagonal measurement). (**Figure 2**) Drill the holes 1" deep.
3. Tap the holes drilled in the previous step using a M6x1.00 chase tap.



4. Drill holes for the hood support bracket bolts using the drill with the 7 mm or H bit. Locate the hole centers  $2\frac{1}{4}$ " in from the outboard edges. Locate the forward hole center  $7\frac{1}{2}$ " from the rear of the hood. Locate the rearward hole center  $2\frac{3}{4}$ " rearward of the forward hole center. (**Figure 3**) Drill the holes about 1" deep; do not drill through the metal plate installed inside the hood.
5. Using an M8x1.25 chase tap, tap the holes drilled in the previous step; you will be installing M8 bolts when you install the hood.
6. Paint the hood. Saleen recommends painting the top of the hood body color, including the four sloped walls that go around each vent. The innermost part of the sunken area where the vents go (what the sloped walls lead to) should be painted black. Paint the underside of the hood black. (**Figure 4**)







### III New Hood Installation

Part Numbers	Description	Qty.
06-1101-C09837	Hood vent LH	1
06-1101-C09838	Hood vent RH	1
06-1106-C11145	Hood Fiberglass 2005 S281	1
00-1106-C11405*	Hood Washer Nozzle Fiberglass 05 Mustang	2
00-9001-C11633*	Screw Phil HD Flat Top Washer #8x5/8" BLK Coated	8
00-9010-C11869*	Tubing, polyethylene, blk, 0.17" id, 1/4" OD	2 x 0.5" piece

#### OBTAIN THE FOLLOWING TOOLS:

- 1/4" DRIVE RATCHET
- 10 MM SHALLOW WOBBLY SOCKET, 1/4" DRIVE
- RIGHT ANGLE PICK
- DRILL
- PHILIPS #2 BIT
- 1/8" BIT
- IN-LB TORQUE WRENCH
- TORQUE SEAL

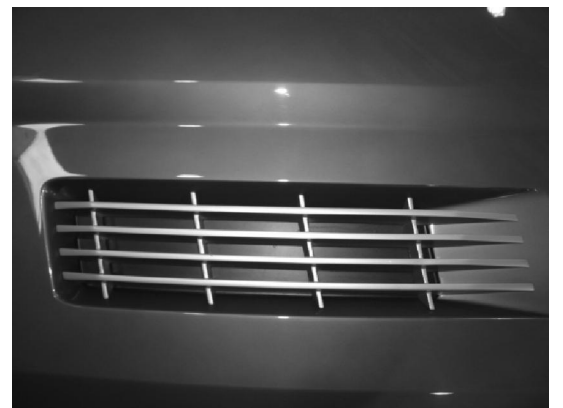


Figure 1

#### ORDER OF OPERATIONS:

1. Obtain the hood latch (**Figure 3**) from the stock hood – remove two bolts with a 1/4" drive ratchet and 10 mm shallow wobbly socket.
2. Obtain windshield washer fluid piping from stock hood.
3. After the new hood (06-1106-C11145) has been painted, install the vents in the hood. Use the drill with the Philips #2 bit, and four screws (00-9001-C11633\*) for each vent. The vent with part number 06-1101-C09837 goes on the driver side of the hood, and 06-1101-C09838 goes on the passenger side. Both vents go on the top of the painted hood (06-1106-C11145). (**Figure 1**).

4. Locate the two forward screws  $\frac{1}{2}$ " back from the front edge of the bottom plane of the valley where the vent will go and locate the rearward holes  $\frac{1}{2}$ " forward from the rear edge of the valley (**Figure 2**). Install the passenger side screws of each vent 1" in from the passenger side edge of the valley, and place the driver side screws 1" in from the driver side of the valley. Be careful not to crack the hood while driving the screws into place. (**Figure 2**)
5. Make sure the vents are secure before proceeding.
6. Using the M8x1.25 chase tap, re-tap the holes for the hood support brackets to remove any paint.
7. Having another person help you hold the hood, line the hood up with the car. Line up the two holes in each rear corner of the hood with the two holes in the bracket at each rear corner of the engine bay (**Figure 3**).

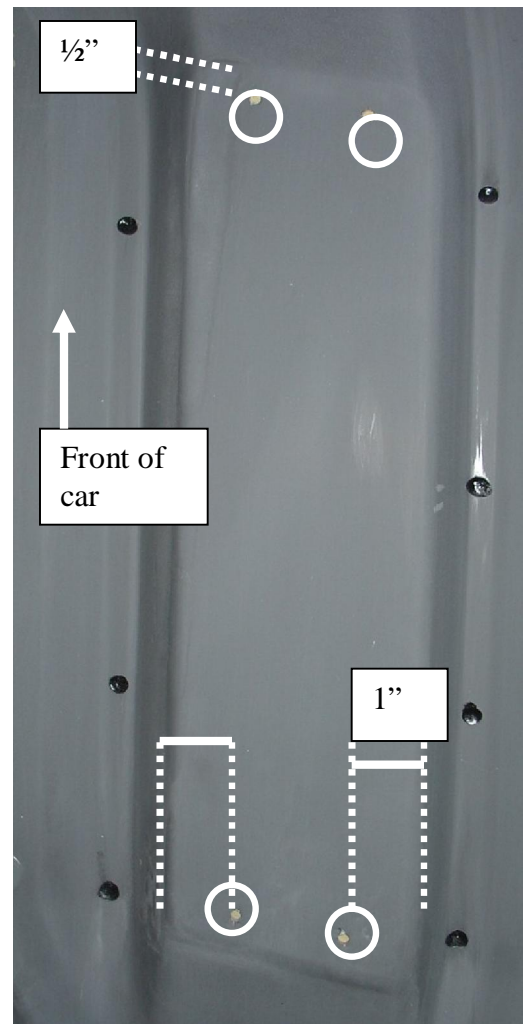


Figure 2



Figure 3

8. **Place 2 drops of #262 Red Loctite on the threads of each bolt for the hood support brackets.**
9. Insert the bolts (06-9001-C12799) and carefully tighten with the 10 mm shallow socket and 1/4" drive ratchet.
10. **Torque the hood support bracket bolts to 120 in-lbs (10 ft-lbs) and mark with torque seal.**
11. Install the two windshield washer nozzles (00-1106-C11405\*) as shown in Figures 4 and 5, with the threaded part protruding through the bottom and the nozzle openings on top of the hood.
12. Place 0.5" of 0.17" ID tubing (00-9010-C11869\*) over each windshield washer nozzle bottom (white box in Figure 5)
13. Push T-fittings from stock washer fluid piping over the tubing installed in the previous step (**Figure 5**).

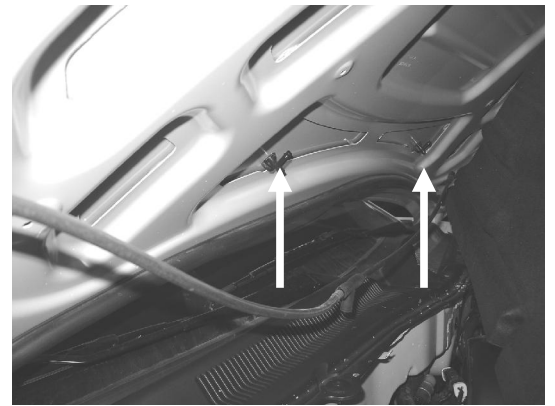


Figure 4

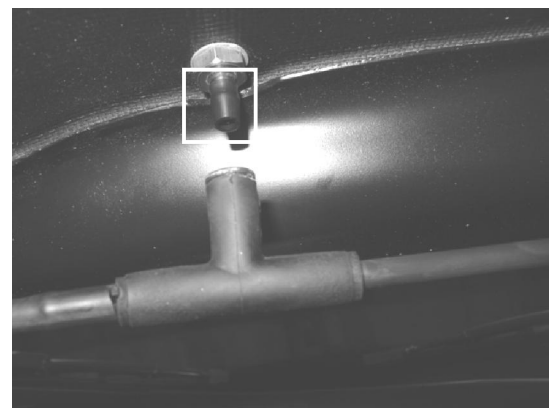
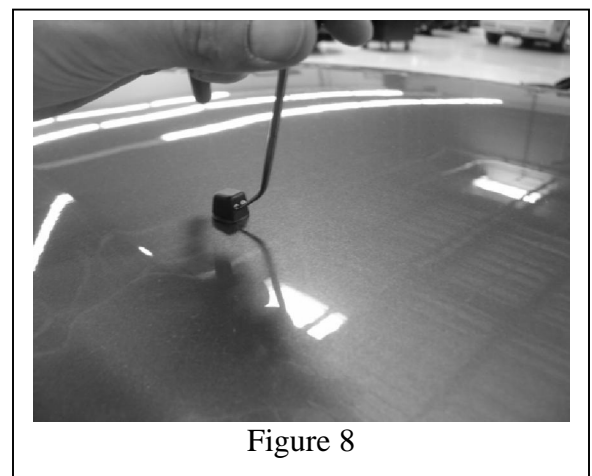
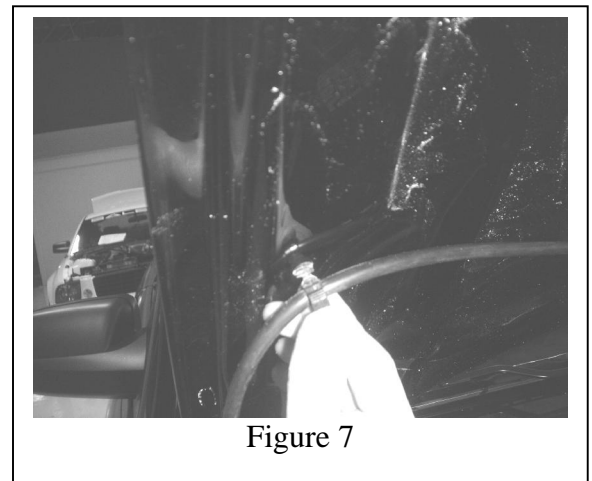
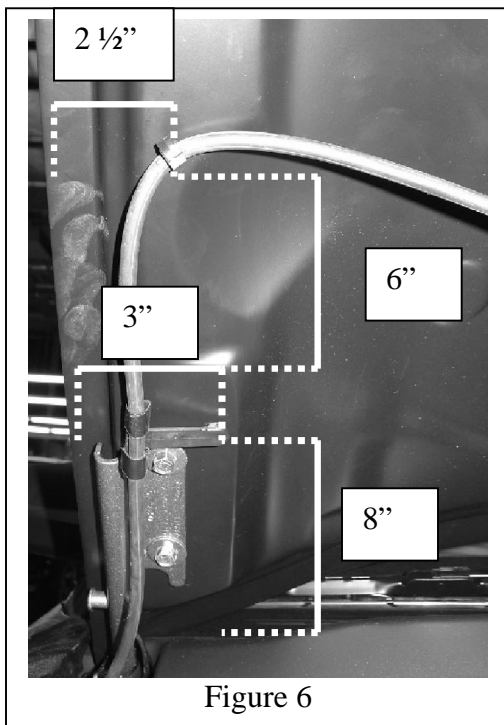


Figure 5

14. Drill 1/8" holes on the passenger side rear corner of the hood for the plastic plugs on the washer fluid piping. Locate rearward hole 8" in front of the rear edge of the hood and 3" in from the passenger side of the hood. Locate the other hole 6" further forward than the rearward hole and 2 1/2" in from the passenger side of the hood. (Figure 6)
15. Insert the plugs into the holes to secure piping. (Figure 7)
16. Check aim of nozzles to ensure the fluid reaches the windshield; adjust aim with right angle pick (Figure 8)
17. Check that the hood is secure and latched properly before driving.



18. At the front of the underside of the hood, position the striker backing plate (06-1106-C13002) by aligning holes in plate with the corresponding holes in hood. The large hole provides clearance for the hood latch while the hood is in the closed position; if these holes do not align, the hood will not close properly. Correct orientation shown in **Figure 9**.
19. Install the hood latch/striker at the front of the underside of the hood, over the new backing plate, as shown in **Figure 10**. First re-tap the holes for the screws, using a M6x1.00 chase tap, in order to remove any paint that got into the threads.
20. **Place 2 drops of #262 Red Loctite on the threads of each bolt.**
21. Insert the bolts (06-9001-C12800) and carefully tighten with the 10 mm shallow socket and 1/4" drive ratchet. thread in supplied 06-9001-C12800 bolts by hand, tightening until difficult to turn or head of bolt is within approx. 1/8 inch of seating against the striker. **Using a calibrated torque wrench, tighten the striker mounting bolts to 96 in-lb (8 ft-lb). DO NOT OVER-TIGHTEN BOLTS!**

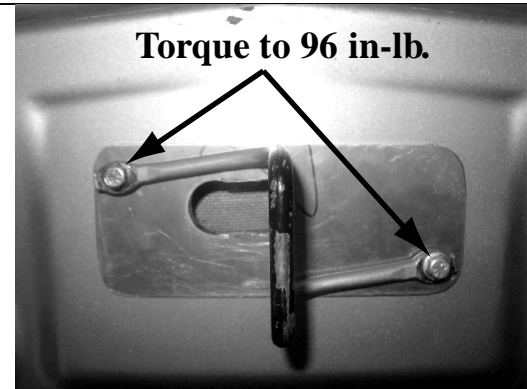


Figure 9



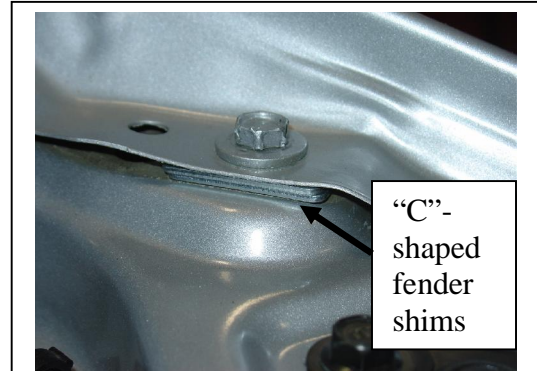
Figure 10

#### IV HOOD FITMENT

##### OBTAIN THE FOLLOWING TOOLS:

- TOUCHUP PAINT

1. Your Saleen hood is handcrafted and made to fit very well on the 2005 Mustang. However, there are acceptable tolerances on the width between the Mustang fenders as well as on the width of the Saleen hood. On your specific car, you may notice that the stock hood was wider or narrower than the Saleen hood, and the distance between fenders may yield an undesirable gap. It is considered an acceptable industry practice to adjust the fenders slightly.
2. You may loosen the bolts holding the fenders in place around the engine bay and on the side of the car in front of the doors.
3. We can also recommend 1/16in. "C"-shaped shims for the fenders. **Figure 1** shows a pair of 1/16in.-thick "C"-shaped shims used to slightly raise the fender so it is flush with the hood. **Figure 2** shows the shim.
4. To install those shims, loosen the bolt that attaches the fender to the engine bay, and slide the "C" shim(s) as necessary under the fender so the "C" wraps around the bolt. Retighten the bolts to secure the fender to the car.
5. Using touchup paint, paint the shims to match the body.



**Figure 1**



**Figure 2**