

## PART #1181 & 1187

### 05-09 MUSTANG RAM-AIR TYPE IV HOOD

### 05-09 MUSTANG RAM-AIR TYPE IV HOOD WITH BILLET INSERTS


**Notice: Pre fit Before Painting. Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install.**

**Painted or Altered Parts are Non-Refundable!**

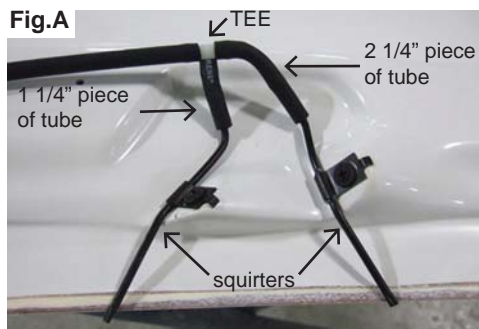
**The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol. The temperature must be a minimum of 75degrees F, before applying. Allow the 2-sided tape to dry 24 hours before driving.**

- STEP 1:** Remove the striker bar from the factory hood and install it with Loctite® to your new hood
- STEP 2:** Adjust hood until proper alignment with matching panels is achieved.
- STEP 3:** Adjust primary latch until the striker bar fits into the latch. Make sure when the hood is closed you can hear the striker bar “click” into the latch.
- STEP 4:** After you here it click, test it to be sure it’s working properly by grabbing the front edge of the hood and slowly pulling upward with a steady even pressure. If the hood opens it’s not adjusted properly; repeat STEP 3 until hood cannot be pulled open after it’s closed.

**WARNING: MAKE SURE SAFETY CATCH IS INSTALLED & WORKING PROPERLY!**

- STEP 5:** To ensure the safety catch is working properly, close the hood, pull the hood release from inside the car and the hood will partially open. Slowly pull upward on the hood and jiggle it at the same time. If it opens without pulling the safety catch lever then the latch needs to be readjusted. The safety catch prevents the hood from opening in the event the primary latch fails.
- STEP 6:** Locate the hood stoppers  located on the radiator support. Adjust upward until they apply a small amount of pressure to the underside of the hood when it is closed. This will prevent the hood from shaking or rocking. Install the squirters with the short black screws as shown in FIG.A. (You may need to bend the squirters into position.)

- STEP 7:** After all adjustments have been made, apply loctite to the bolts that secure the latch bar to the hood.



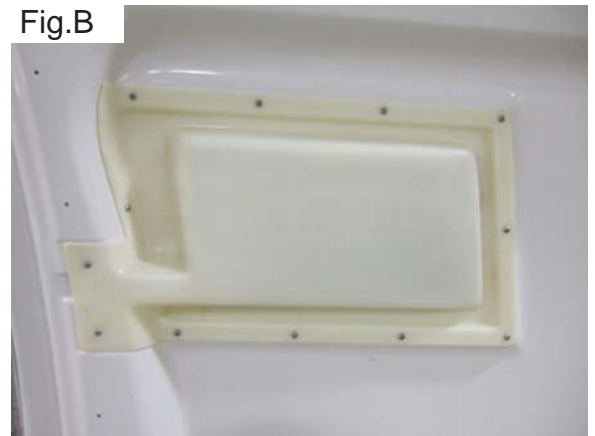
PART # 1187		
QTY	DESCRIPTION	HARDWARE #
24	SMALL SELF TAPING SCREWS	92364A148
8	SMALL BLACK SCREWS	90935A148
2	SHORT BLACK SCREWS	10947-01704
1	ROLL OF 1/4" 2-SIDED TAPE	VHB 83
1	14" RUBBER TUBING	51075K24
1	TEE	WE-2426
2	SQUIRTERS	BER001

PART # 1181		
QTY	DESCRIPTION	HARDWARE #
2	SHORT BLACK SCREWS	10947-01704
1	14" RUBBER TUBING	51075K24
1	TEE	WE-2426
2	SQUIRTERS	BER001



**Installing the drip pans:** The inside of the drip pans are visible through the billet insert and need to be painted flat or semi gloss black. After the hood and drip pans have been painted, align the drip pan with the heat extractor opening in the hood. Use the supplied small silver philips screws to screw the drip pan to the under side of the hood through the pre-drilled holes in the drip pans **as shown in fig.B**. The small silver screws will tap themselves into the hood. (Tighten the screws with a screw driver only. Using a powered screw driver will cause the holes to strip.)

Fig.B



**Installing the billet insert trim rings:** Included in the hardware packet is a roll of 3M double sided tape. After the trim rings have been painted, install the 3m double sided tape along the inside edge of the trim rings **as shown in fig.C**. After the hood has been painted remove the double sided tape backing from the trim rings and place them in the opening located in the rear of the hood **as shown in fig D**. The back of the trim rings are marked L for left side and R for right side. Be sure to center the trim rings in the opening. Firmly press on the edges of the trim ring to secure it to the hood.

Fig.C

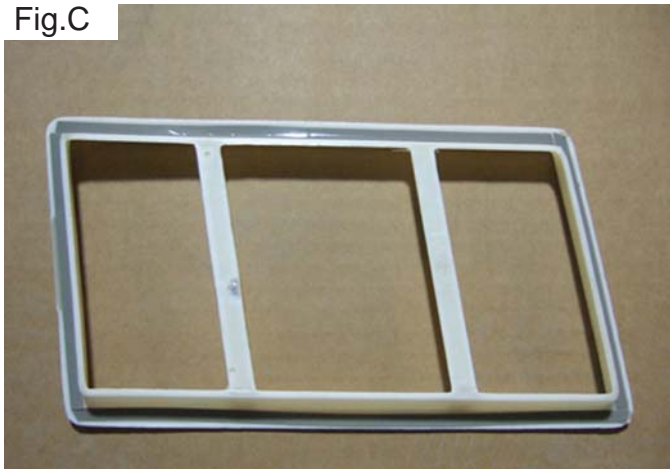
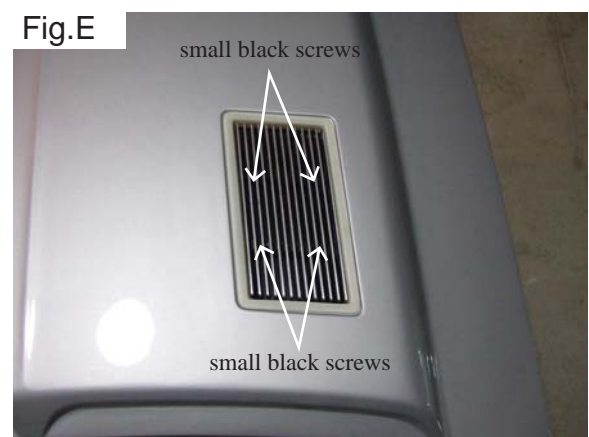


Fig.D



**Installing the billet inserts:** Lay the billet inserts in the trim rings. Align the pre-drilled holes in the billet insert with the pre-drilled holes in the trim rings. Use the supplied small black screws to secure the billet grill to the trim ring through the pre-drilled holes **as shown in Fig.E**.

Fig.E



## URETHANE PAINTING INSTRUCTIONS

**VERY IMPORTANT: The following painting procedures MUST be followed EXACTLY for PROPER ADHESION and to prevent fish eyes.**

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted THOROUGHLY (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you MUST clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

**Note: Make sure you PRIME and PAINT the areas where the 2-sided tape is used as you would if it was the outside of the part. The tape adheres best when it is applied to a painted surface.**

