



2005 - 2009 Mustang GT "Shaker"

CDC # 0511-7000-01

WARNING: Shaker Trim Ring does NOT cover the factory Hood Scoop holes on 2007 +.

Air Box Assembly Components:

	<u>Part #</u>
• 1 - Aluminum Shaker Scoop	183020
• 1 - Upper Air Box	1111-3301-01a
• 1 - Lower Air Box	1111-3300-01a
• 1 - Water Management Tray	1111-0500-01
• 1 - Air Tube	1111-3303-01a
• 1 - Air Tube Adapter	115060
• 1 - Hood Trim Ring	115051
• 2 - CDC Badges	0511-3001-01a
• 1 - Ball Stud	183001
• 1 - Ball Stud Bracket	116057
• 2 - M6-1.0 x 35mm Hex Flange Head Bolts	15005
• 2 - M6-1.0 x 50mm Hex Flange Head Bolts	15006
• 1 - M6-1.0 SS Nut	45011
• 2 - ¼-20 x ¾" SS Button Head Bolts	116023
• 2 - ¼-20 Serrated Nuts	45014
• 7 - 3/16" Alum. Rivets	75001
• 2 - M6-1.0 x 10mm Hex Head Bolts	183003
• 3 - M6 Washers	183005
• 11 - 3/16" Alum Washers	55004
• 2 - 10-24 SS BH Screws	25007
• 2 - 10-24 Nyloc Nuts	45013
1 - Flexible Air Tube Kit	8741

Hardware Kit:

• 1 - ½" x 18" Drain Tube	115058
• 1 - 3" Clamp	85008
• 1 - Ball Stud Receiver Bracket	116055
• 1 - Rubber Ball Stud Socket	183000
• 1 - "U" Bracket with Set Screw	116054
• 2 - Alcohol Packs	950006
• 2 - Adhesion Promoter Packs	950007
• 1 - Roll of ¼" wide 3M Tape	950015a
• - Hood Template	



'05 - '09 Mustang **"Shaker"** Installation Instructions



Note: Read installation instructions thoroughly before starting installation. The Trim Ring is molded in UV Stable ABS Plastic and does not require paint. FOR USE WITH STOCK HOOD.

Tools for Trim Ring Install:

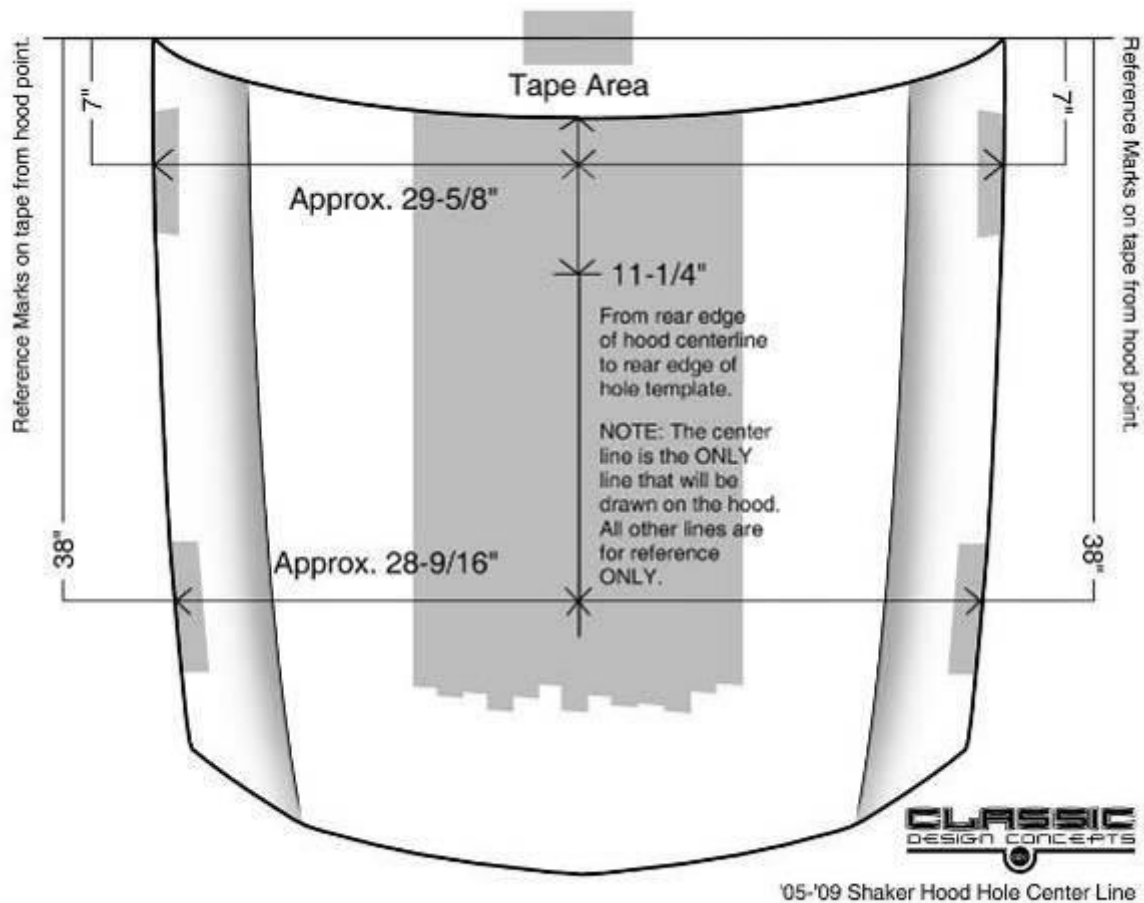
- ☐ Masking Tape
- ☐ Fine Line (if available)
- ☐ 1/8" Pilot Drill
- ☐ Step bit
- ☐ Cordless Drill or Similar
- ☐ Saw with metal blade (for cutting hood)
- ☐ Razor Blade or X-acto hobby knife
- ☐ Eye Protection

Tools for Shaker Assembly & Install:

- ☐ 10mm Socket 1/4" Drive
- ☐ 8mm Socket 1/4" Drive
- ☐ 1/4" Drive 6" extension
- ☐ 1/4" Drive Ratchet
- ☐ Cordless Drill or Similar
- ☐ Center Punch
- ☐ 1/8" Pilot Drill
- ☐ 3" Hole Saw
- ☐ Rivet Gun
- ☐ 3mm Allen Wrench

Preparing Factory Hood:

- A) Raise Hood and remove under hood blanket, it WILL NOT be reinstalled. Use a fork tool to remove all pushpin fasteners, then remove blanket.
- B) Close hood and mask off entire area where Shaker opening will be cut out to help prevent paint damage during the cutting process. Place tape along edges of hood as well for measurement marks (refer to hood drawing below).
- C) Measure and mark centerline on the hood. From the rear corners of the hood, along the hood/fender gap, measure toward the front of the car and place a mark at 7" and 38" along both driver and passenger side of the hood. Next, at these marks, measure from the outside of the hood towards the center to mark the centerline. **Hint:** From the 7" mark, it is *approximately* 29-5/8" to the center. From the 38" mark, it is *approximately* 28-9/16" to the center. These measurements are intended as reference only. **Note: Double Check Your Measurements, it is very important that the centerline of hood is measured accurately.** Now that you are confident of your measurements, use a straight edge to draw the centerline on the hood.



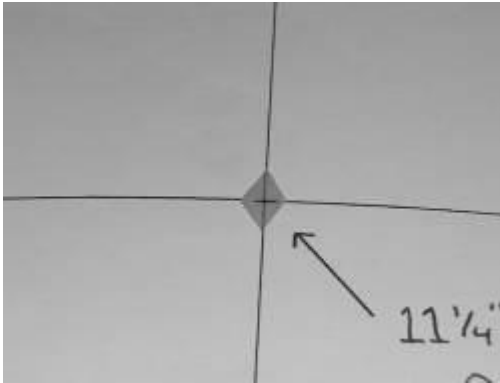
- D) Measure and mark 11-1/4" from rear of the hood on the centerline. This will line up with the rear line on the paper template.

Note:

It is very important that the centerline of hood is measured accurately. Make sure to line up centerline of template to centerline of hood. The best way to achieve this is to cut a hole along the centerline at the rear of the shaker hole outline on the template so the marks you've drawn on the tape show through. (See Below)

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- E) Align rear edge of template to the 11-1/4" mark on the hood and align the centerline of the template to centerline drawn on the hood. Tape template securely to hood.



- F) With a sharp razor blade or x-acto knife cut through template, through the tape, and into the paint of your hood along the cut-out line. Cutting/scoring the paint on the hood will reduce the chance of paint flake during the cutting process.



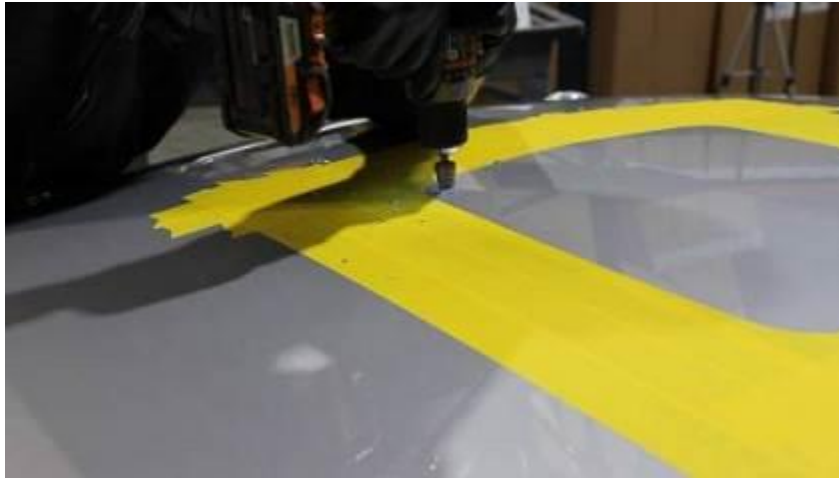
- G) Remove template from hood and discard. Peel tape from center of Shaker opening, leaving an outline of Shaker opening. **CAUTION:** Add a second layer of tape around opening to reduce the risk of shavings scratching the hood.

Note: During the drilling and cutting process, elevate the hood to avoid contact from saw blade to engine components. Place a 4"x 4" block of wood between the hood and radiator cover. Also, place an old bed sheet over engine to catch metal shavings.



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- H) Center punch and drill a starter hole in the Shaker opening large enough to accommodate your saw blade, a sharp step bit works well for this.



- I) Cut Shaker hole in hood. Be patient and pay attention to your blade; if it appears to be getting clogged, stop cutting and replace blade. ***Hint:* Stop cutting halfway around opening and place masking tape over cut line for support, or place paint sticks under the corners. This will support the center cut-out panel and prevent it from pinching the saw blade.**



- J) Remove tape from hood. Clean area of hood around the cut opening with Isopropyl (rubbing) Alcohol where Upper Trim Ring will be placed. **It is imperative that any wax be removed from the vehicle at the tape contact area for proper adhesion of Trim Ring.**

Installing Shaker Assembly:

- A) Raise and prop hood.
- B) Install Ball Stud Receiver Bracket on top of intake manifold. Use the "U" Bracket with Set Screw to clamp the Bracket to the manifold. Tighten the 3mm set screw to secure bracket.
Note: Bracket should be positioned as far forward as possible.



- C) Loosen the (2) upper Throttle Body bolts (8 mm), but do not remove.



- D) Install Shaker assembly. Push the Ball Stud into the rubber Ball Stud socket receiver, previously installed on manifold. Next, align the Throttle Body bracket (front of Shaker assy.) onto the Throttle Body bolts, loosened in previous step.



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- E) Tighten Throttle Body bolts, do not exceed **89 IN LB**. Note: The bracket is slotted for adjustment, tighten bolts in the center of the adjustment for now.



Install Flexible AirTube:

NOTE: Flexible Air Tube may be used on the Stock Airbox or an aftermarket Cold Air Kit.

- A) If using the stock Airbox, locate the template on the last page of this instruction manual. Remove the Airbox from the car, cut out paper template, mark hole location on Airbox, and drill 3" hole (using a 3" hole saw).



- B) If connecting to an aftermarket setup, determine the best location for the 3" hole, remove shroud from car, and drill the 3" hole.
- C) Reinstall Airbox and connect the Flexible Air tube to the Shaker with the included clamp. Feed the tube into the previously drilled hole in the Airbox. See pics below for reference.

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With factory Airbox.



With aftermarket CAI.



D) Install Drain Hose. Safely route hose away from any extreme and moving engine parts.



Install Hood Trim Ring

- A) Clean back side of Trim Ring with Isopropyl Alcohol and allow to dry. Apply Adhesion Promoter and allow to dry. Apply 3M Acrylic Foam Tape, creating "pull tabs" with the red backing, as shown in picture below. **Note:** Front of Trim Ring has tighter corners than the rear. Press tape firmly to activate adhesive.



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- B) Clean hood with Isopropyl Alcohol where Trim Ring will be installed.
- C) Position Trim Ring so that it is evenly spaced around the Shaker and temporarily hold it in place with masking tape as shown.



- D) Follow the outside edge of the Trim Ring with Fine Line or thin masking tape.
- E) Remove the Trim Ring and carefully apply Adhesion Promoter inside the masked area. Allow adequate time to dry.



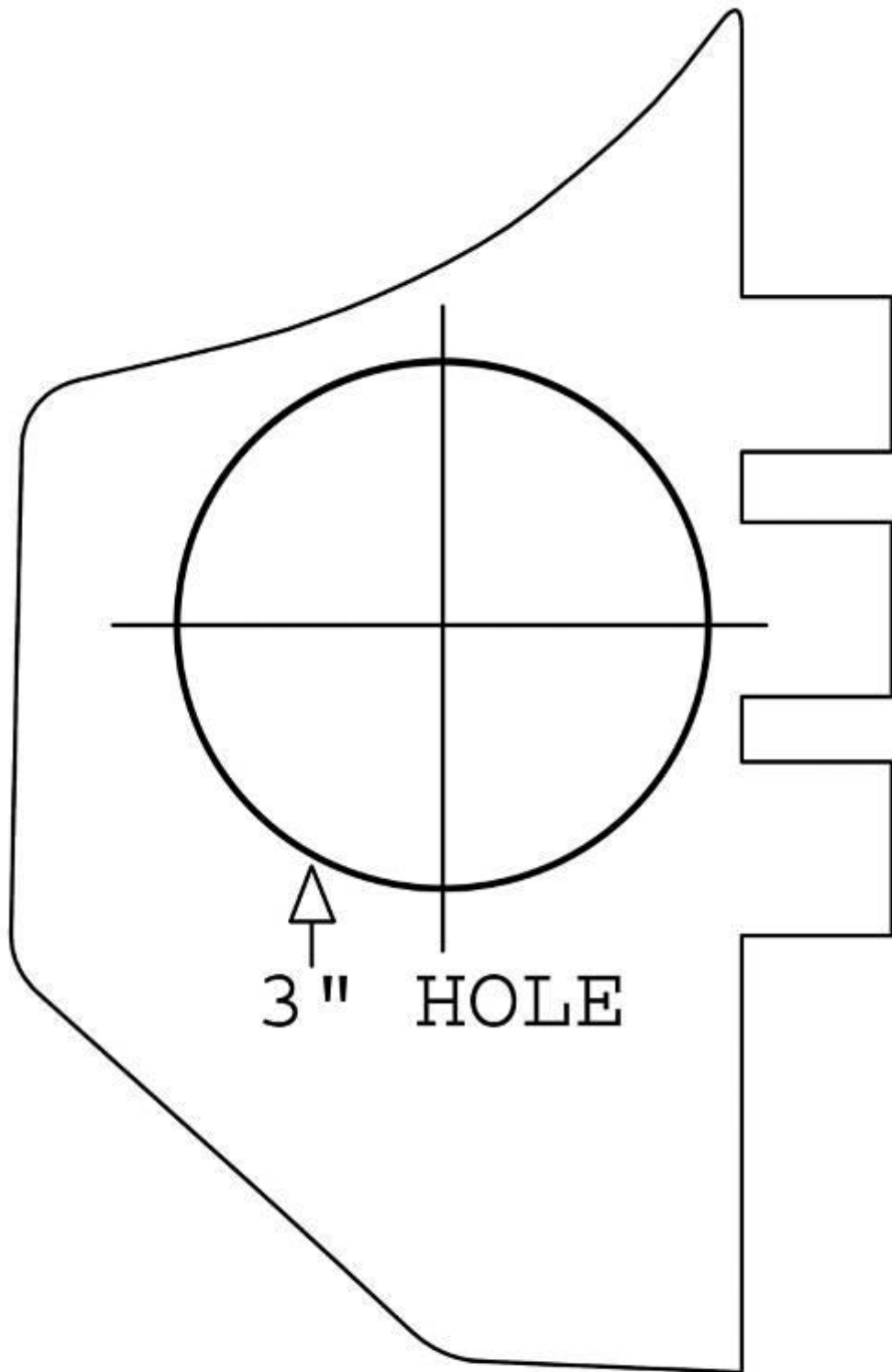
- F) Place Trim Ring back into position, slow pulling the red backing and pressing firmly to activate the adhesive of the tape.
- G) Remove the Fine Line.



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Congratulations your installation is complete!

Thank you for choosing Classic Design Concepts for your restyling needs. If you have any questions or concerns regarding installation, please contact Tech@CDCdetroit.com or call 866-624-7997.



05-09 Mustang
Shaker
Air Box Cut Out
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