



## 2010 Mustang V6 "Shaker"

### CDC # 1011-7002-01

#### Component Check List:

Quantity/Description	Part #
<b>Engine Cover Assembly</b>	<b>1011-6000-01</b>
▪ 1 – Engine Cover w/ Upper Air Tube	0511-2100-01
▪ 1 – Aluminum Shaker Scoop	183020
▪ 1 – Hood Scoop Spacer	1095-6001-01
▪ 4 – M6-1.0 x 22mm Hex Head Bolts	410109
▪ 2 – M6-1.0 x 10mm Hex Head Bolts	183003
▪ 2 – Fender Washers ¼" x 1"	116051
▪ 1 – Throttle Body Bracket	0511-3501-05
▪ 2 – M6-1.0 x 18.5mm Hex Head Bolts	183004
▪ 2 – M6-1.0 Nuts w/ Loose Washer	183034
▪ 1 – Ford Racing Name Plate	1095-5000-01
▪ 1 – Shaker Badge	183012
▪ 4 – Rivets	183011
<b>1 – Upper Trim Ring</b>	<b>1095-2106-01</b>
<b>1 – Lower Trim Ring</b>	<b>1095-2105-01</b>
<b>Hardware Kit</b>	<b>1011-6500-01</b>
▪ 4 – Rivets	183011
▪ 1 – Lower Air Tube	115053
▪ 8 – Zip Ties	116053
▪ 2 – ¼"-20 x ¾" Button head	116023
▪ 1 – Coil Pack Relocate Bracket	0511-3502-01
▪ 1 – 3" x 7" Air Tube w/Clamps (2)	0511-2101-01
▪ 1 – Threaded ¼"- 20 Aluminum Insert	0511-3500-01
▪ 1 – ¼"-20 x 3/8" Button head	30004
▪ 2 – ¼"-20 Flange nuts	45014
▪ 4 – 3/8" Drain Tubes	183027
▪ 1 – Roll ¼"x70" 3m Tape	950015
▪ 2 – Alcohol Packs	950006
▪ 1 – Adhesion Promoter Pack	950007
▪ 1 – Air Filter Housing Template	CD4II3AJ Template
▪ 1 – Hood Template	
▪ 1 – Installation Guide	



## 2010 V6 Mustang “Shaker” System Installation Instructions

**Note:** Read installation instructions before starting. The Shaker Hood Trim Ring is UV Stable ABS Plastic and does not require painting. If you choose to have your Trim Ring painted, use a professional automotive painting facility to maintain the quality of the product and your vehicle. Test fit component before painting. We recommend that paint-curing temperature not exceed 150°F.

### **Tool List For Trim Ring:**

- Template
- Masking Tape
- Center Punch
- 1/8" Pilot Drill Bit
- 1" Hole Saw
- Drill Motor
- Saw with metal blade (for cutting hood)
- Utility Knife or Hobby Knife (for cutting hood blanket)
- Razor Blade
- Eye Protection
- Rivet Gun
- 80 – 120 grit sand paper

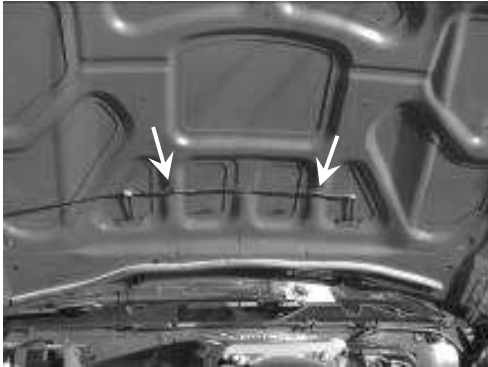
### **Tool List For Shaker Assembly & Install:**

- |  |   |
|--|---|
| <input type="checkbox"/> 15mm Socket 3/8" Drive  | <input type="checkbox"/> Drill Motor                  |
| <input type="checkbox"/> 10mm Socket 1/4" Drive  | <input type="checkbox"/> 1/8" Pilot Drill             |
| <input type="checkbox"/> 8mm Socket 1/4" Drive   | <input type="checkbox"/> 2 3/4" Hole Saw              |
| <input type="checkbox"/> 7mm Socket 1/4" Drive   | <input type="checkbox"/> Rivet Gun                    |
| <input type="checkbox"/> 7/16" Socket 1/4" Drive | <input type="checkbox"/> Half Round File              |
| <input type="checkbox"/> 1/4" Drive 6" extension | <input type="checkbox"/> Thread locker                |
| <input type="checkbox"/> 1/4" Drive Ratchet      | <input type="checkbox"/> Utility Knife or Hobby Knife |
| <input type="checkbox"/> 3/8" Drive Ratchet      | <input type="checkbox"/> Eye Protection               |
| <input type="checkbox"/> 5/32" Allen Wrench      | <input type="checkbox"/> Drop Cloth                   |

## CD4II3CQ

### Cutting Shaker Opening in Hood:

1. Raise Hood and remove under hood blanket. Use a fork tool to remove pushpin fasteners. Set hood blanket aside.
2. Remove the 2 clips that secure windshield washer hose to bottom side of hood between Squirter Nozzles and discard.



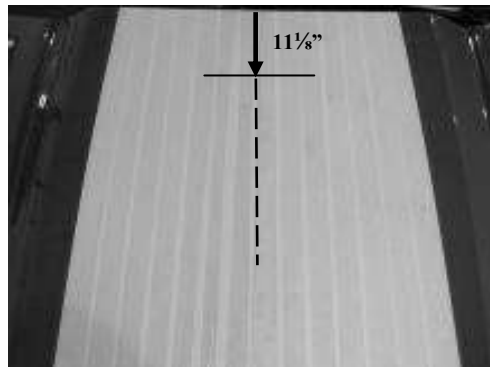
3. Tape Squirter hose out-of-the-way to prevent damage during the cutting process.
4. Close hood and mask off entire area where Shaker opening will be cut out.

**Note:** To help prevent paint damage during the cutting process mask hood beyond cutting area.

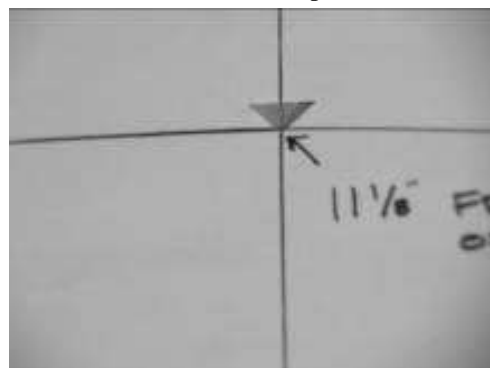
5. Measure and mark centerline on the hood.

**Note:** It is very important that the centerline of hood is measured accurately.

6. On the centerline, measure  $11\frac{1}{8}$ " from rear of the hood and mark a line on the tape, crossing the centerline. This will align with the rear cutout line of the Shaker Cutout Template.



**Note:** To aid in the Template placement, cut a triangle on the centerline at the rear of the Shaker cutout hole. This will allow you to locate the  $11\frac{1}{8}$ " mark on the tape



7. Align template along the centerline and align the rear cutout line with the  $11\frac{1}{8}$ " mark on the hood. Tape template securely to top of hood.
8. With a sharp razor blade or X-Acto Knife cut through Template and tape, scoring the paint on the hood. Scoring the paint on the hood will help reduce the chance of paint flake during the cutting process.
9. Remove Template from hood and discard. Peel tape from center of Shaker opening, leaving an outline of Shaker opening.

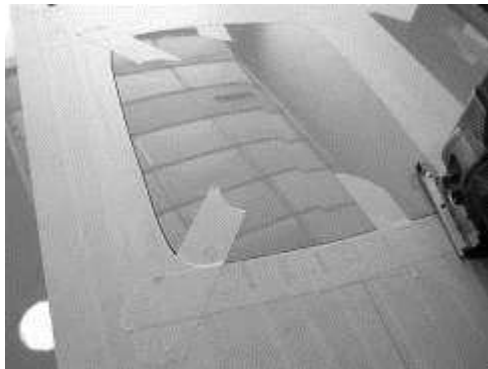
## CD4II3CQ

**Note:** As a precautionary measure, add a second layer of tape around opening to reduce the risk of scratching the hood. During the drilling and cutting process, elevate the hood far enough to ensure no damage will occur to engine components. Place a blanket over engine to catch shavings.



10. Drill a starter hole for Shaker opening with a 1" Holesaw. Cut Shaker opening following the tape outline.

**Hint:** To help reduce excessive vibration, stop cutting at the half way point and place masking tape over the cut line to support the center blank; finish cutting the opening.



11. 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 all wax be removed from the tape contact area for proper adhesion of Trim Ring.**
12. Raise and prop hood.
13. Temporarily reinstall hood blanket to bottom of hood using original fasteners.
14. Close Hood and trace hood cutout onto the hood blanket (a white grease pencil works best). Raise hood and remove hood blanket.

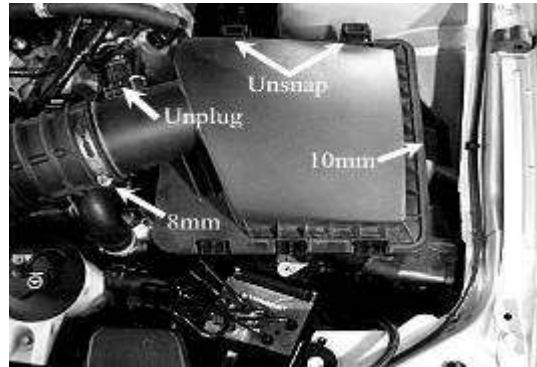


15. Cut opening in Hood Blanket with a sharp blade.
16. Reinstall hood blanket with factory retainers.

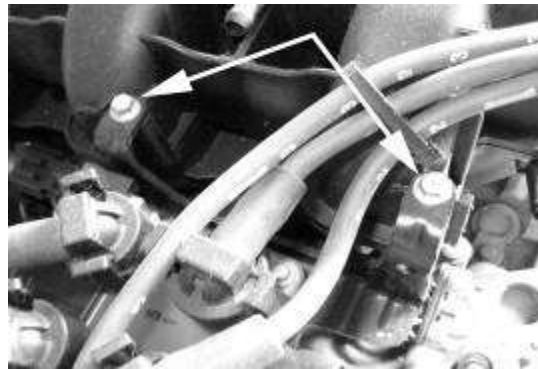
## CD4II3CQ

### Installing Shaker:

17. Remove Air Box by loosening hose clamp with 8mm socket and remove the 10mm bolt attaching the filter housing to the body. Unplug Mass Airflow Sensor at this time. Remove entire filter housing from vehicle.



18. Remove the 7mm coil pack bolts (4) and unclip the two wire looms to remove coil pack from mounting bracket.
19. Remove the 8mm Bolts (2) from the top of the coil pack bracket.



20. Temporarily remove the EVAC hose from the valve cover and the intake tube.
21. Remove the 10mm and 15mm bolts that secure the coil pack bracket to the side of the engine.



22. Trim the factory bracket with a cut-off wheel or hack saw. Follow lower horizontal line of the "FoMoCo" logo. Paint the cut area to prevent rust. (See figure below)



## CD4II3CQ

23. Attach Coil Pack Relocate Bracket (# 0511-3502-01) with the supplied Stainless Steel Button Head Screws (#30004) and Flange Nuts (#45014) using a 5/32" Allen Wrench and a 7/16" Socket.
24. Reinstall bracket assembly onto the vehicle using factory bolts. Start all bolts by hand before tightening.
25. Reinstall coil pack using the four factory 7mm bolts.

**Note:** Make sure you secure the ground wire when reinstalling the coil pack.

26. Reinstall EVAC tube.
27. Dislodge clip securing the spark plug wires from the top of the Intake and tuck the clip behind the upper intake manifold.



28. Install threaded insert (part# 0511-3500-01) into the upper intake.



29. Remove the top two 8mm throttle body bolts and the oil fill cap.
30. Rotate Passenger side EVAC hose as shown.



31. Bend tabs for the engine ground and wiring harness on the firewall down.



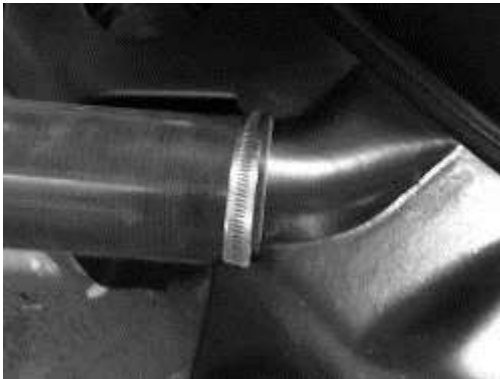
## CD4II3CQ

32. To make clearance for the Shaker Engine Cover, dislodge the wire harness fastener from the fire wall, loosen and turn positive battery terminal. Leave the wire harness unattached and tighten battery terminal as shown below.



33. Install air box coupler (Part# 0511-3501-01) to engine cover.

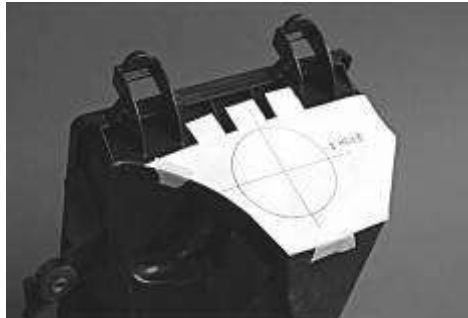
**Note:** Clamp on the inside for a cleaner look. Do not over tighten.



34. Attach the Drain tubes (4 – # 183027) to the engine cover and secure them with the supplied Zip Ties (# 116053).
35. Remove the lid from the factory air filter housing and remove air filter.
36. Using the Air Box Template mark the hole in the lower air box.
37. Cut the hole in the lower air box

**Caution:** It is very important that the hole in the air box is precisely cut to 3". We recommend using a 2 3/4" holesaw, then filing by hand to achieve proper diameter.

38. Snap Lower Air Tube (part # 115053) into air box.



39. Reinstall Air Filter into factory air box.
40. Reinstall air filter housing top onto air box and snap locking tabs into place.
41. Reinstall air filter housing into vehicle.
42. Place engine cover into place on engine. Route drain tubes away from moving parts and hot surfaces (4 extra zip ties are provided to secure drain tubes).
43. Route Mass Air Flow connector through the engine cover and reconnect to sensor.
44. Slide Coupler over Lower Air Tube (#115053), DO NOT tighten clamps at this time.

## CD4II3CQ

45. Align the Shaker bracket with the throttle body bolt holes and reinstall the two 8mm throttle body bolts (DO NOT tighten at this time).
46. Install the supplied 1/4"-20 x 3/8" Button Head Screw (#30004) to engine cover behind the aluminum scoop (DO NOT tighten at this time).
47. Close the hood and align the center of the Shaker Scoop with the center feature line of the hood.
48. When proper alignment is achieved, lift hood and tighten throttle body bolts and button head screw.
49. Close hood and verify Scoop is still centered, adjust if necessary.
50. Open hood and tighten the Coupler Clamp on the Lower Air Tube (Be careful not to not over tighten).

### **Installing the trim ring:**

51. Apply 3m Acrylic Bonding tape (#950015) to bottom side of Upper Trim Ring. Sand area with 80-120 grit sand paper, clean with supplied Alcohol pack and allow time to dry. Apply supplied Adhesion Promoter and allow time to dry. Apply 3m tape to Trim Ring. Press on tape with fingertips to set tape.

**Note:** Apply Tape close to the outer edge of Trim Ring, inside of the flange.

52. Peel 3"-4" of the red backing from the 3M Tape from the Upper Trim Ring and place over hood opening. Make sure the Trim Ring is facing the correct direction.
53. Evenly gap Trim Ring around the Shaker Scoop. When proper placement is achieved, finish peeling the red backing from acrylic bonding tape and press on Trim Ring to set tape to hood.
54. Lift Hood.
55. Install the Lower Trim Ring onto the Upper Trim Ring's flange, squeeze until Trim Rings snap together. The Lower Trim Ring will hold the hood blanket in place around the opening.

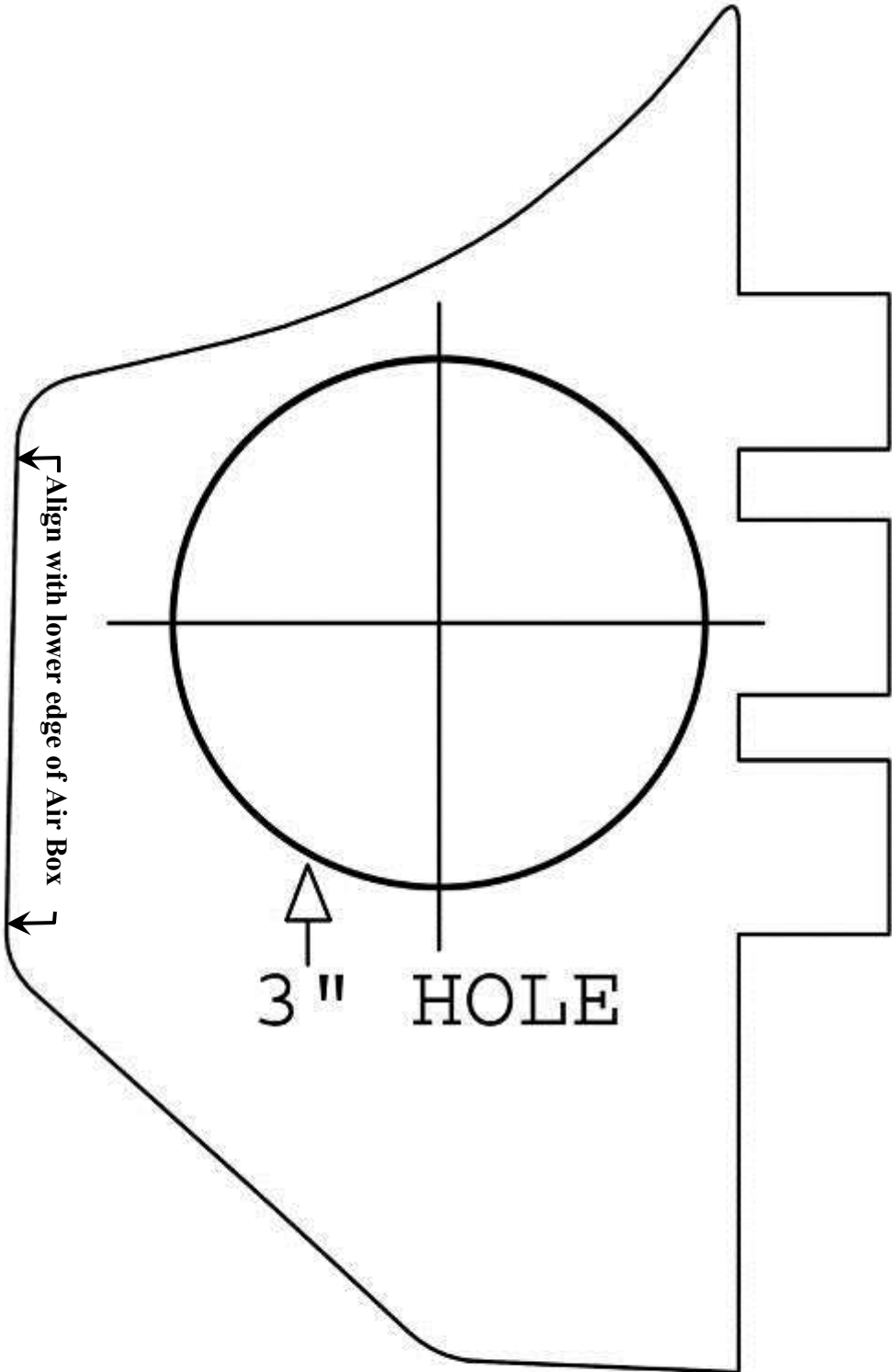
**Note:** Squirter Hose will be supported and concealed by the Lower Trim Ring.

56. There are two 3/32" holes that are predrilled in the front and rear of the Upper and Lower Trim Rings (4 total). Use the supplied Rivets (#183011) to secure the Upper and Lower Trim Rings together.

**Congratulations your installation is complete!**







05-07 Mustang  
Shaker  
Air Box Cut Out  
6-8-05  
CD4113AJ