



# M-9603-M50CJ COLD AIR INTAKE INSTALLATION INSTRUCTIONS

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**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.  
AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING  
TECHLINE AT 1-800-367-3788 !!!**



Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



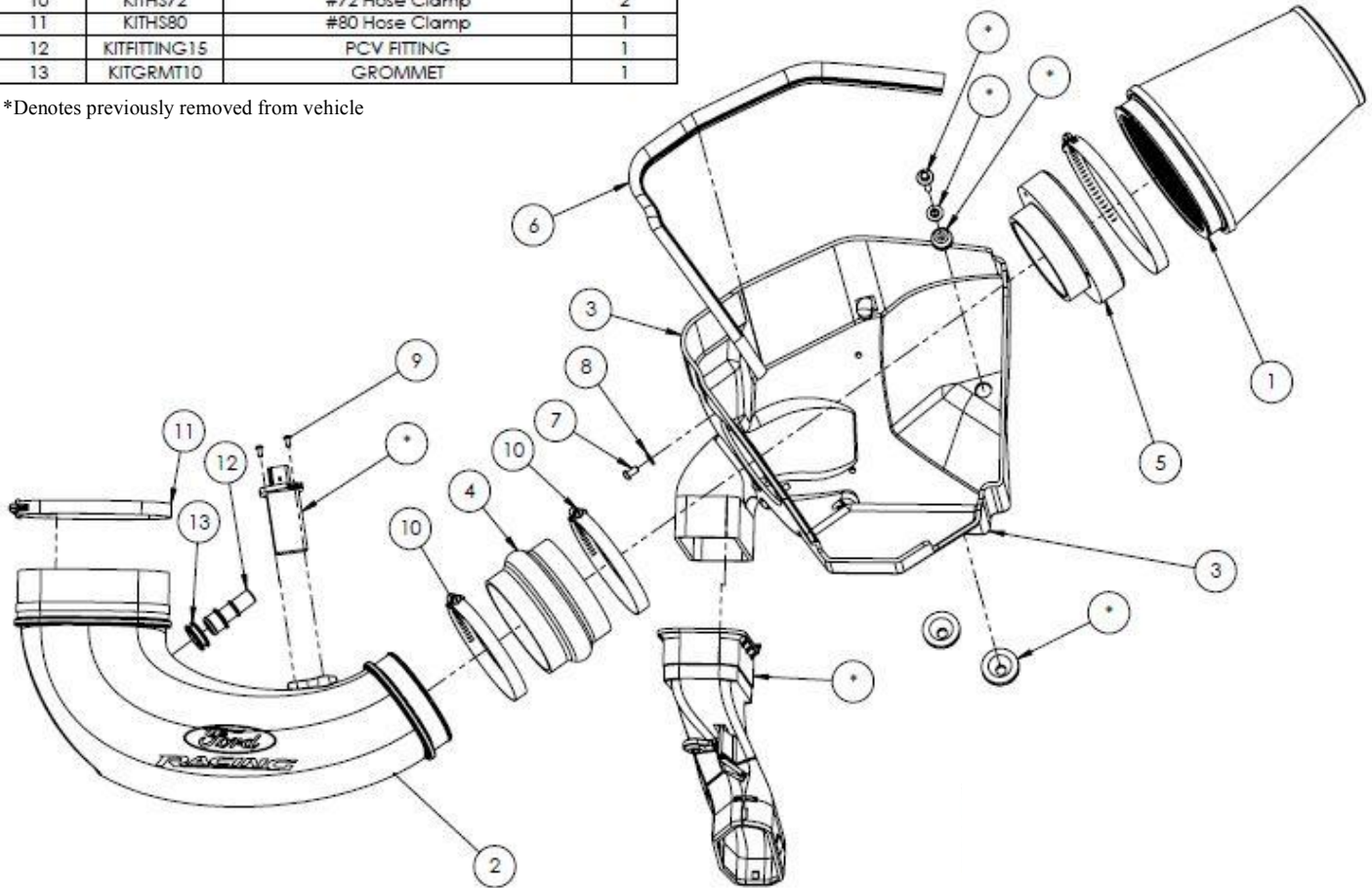
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## COLD AIR INTAKE KIT:

ITEM NO.	P/N	Description	REV-A/QTY.
1	997-457	Ford Racing Filter	1
2	KIT320T	TUBE, ASSY.	1
3	KIT238CAD	Cool Air Box	1
4	KITHUMPHS37	Silicone Hump Hose	1
5	KIT320MAFADA	Filter Adapter	1
6	KITWSTRIP03	Weather Strip 25"	1
7	KIT15DHC3050	1/4-20 x 1/2" Button Head Cap Screw	3
8	KIT09FWZ019	1/4" Flat Washer	3
9	KIT158HC3038	8-32 x 3/8" Button Head Cap Screw	2
10	KITHS72	#72 Hose Clamp	2
11	KITHS80	#80 Hose Clamp	1
12	KITFITTING15	PCV FITTING	1
13	KITGRMT10	GROMMET	1

\*Denotes previously removed from vehicle



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## INSTALLATION INSTRUCTIONS:

**Note:** Installation shown on 2012/13 Boss 302. Cold air kit (M-9603-M50CJ) must be used when using intake manifold (M-9424-M50CJ) and throttle body (M-9926-CJ 65 or equivalent oval throttle body).

**STEP 1:** Disconnect battery.

**STEP 2:** Unplug the mass airflow sensor by releasing the safety clip and unclipping the connector.



**STEP 3:** Remove intake resonator tube by depressing the hose clamp. Remove the tube.



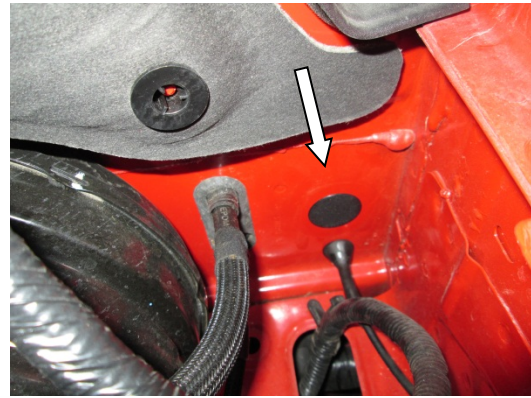
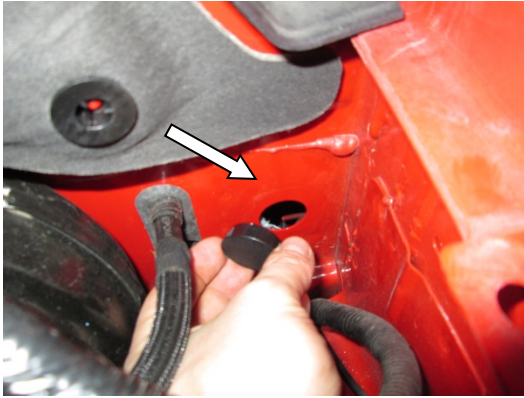
**STEP 4:** Remove bolt holding resonator tube to the frame rail. Remove tube from the bulkhead by pulling gently.



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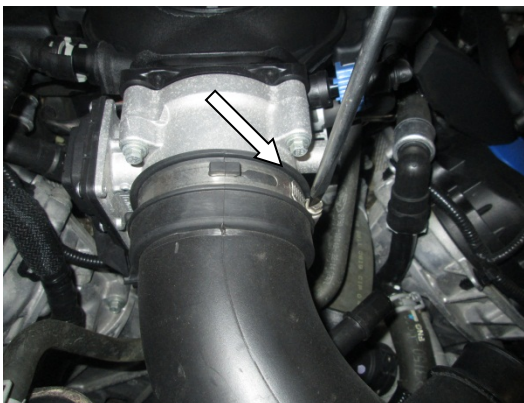
**STEP 5:** Install firewall grommet into the resulting opening in the bulkhead from STEP 4.



**STEP 6:** Remove breather hose by depressing safety clip and sliding the tube off of the intake tube.



**STEP 7:** Loosen both intake tube hose clamps at the throttle body and air-box assembly.



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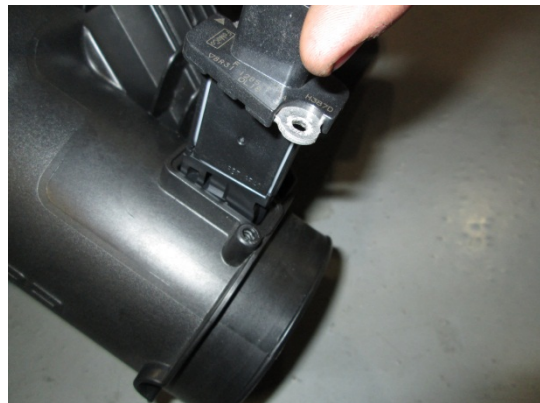
**STEP 8:** Gently slide the intake tube off of the throttle body then off of the air-box. Remove from car.



**STEP 9:** Remove the air-box retaining bolt. Remove air-box from car.



**STEP 10:** Remove 2 screws from the mass airflow sensor and remove from the production intake tube.



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**STEP 11:** Install the mass airflow sensor into the new intake tube, ensuring proper orientation. Install the 2 provided MAF screws and tighten.

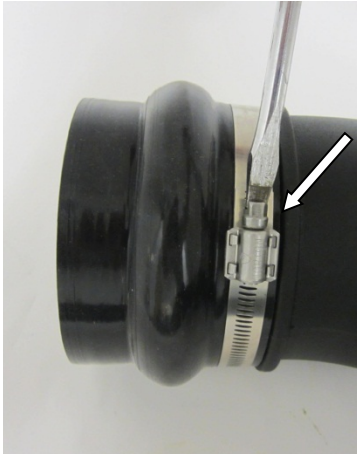


**STEP 12:** Install the provided grommet into the provision on the intake tube. Install the aluminum fitting into the grommet. A small amount of white lithium grease on the aluminum fitting will aid in the installation of the fitting.

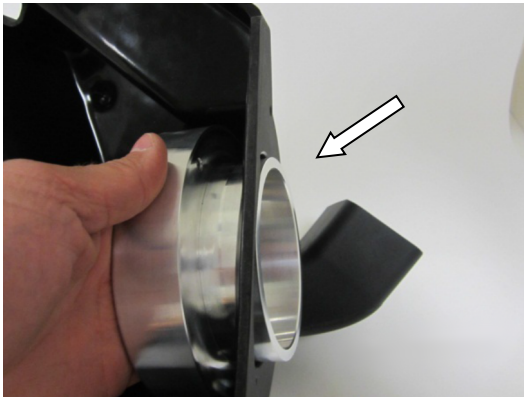


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- STEP 13:** Install the urethane hump hose onto the intake tube with 1 medium hose clamp and tighten. Torque to 44.25 in-lb +/- 1.75 in-lb (5.0 Nm +/- 0.2 Nm).



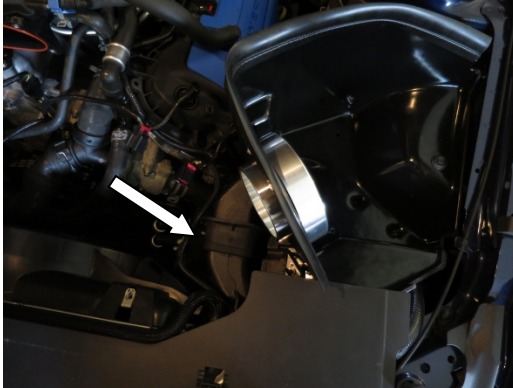
- STEP 14:** Install the filter adapter into the air-box using the 3 provided button head bolts and tighten.



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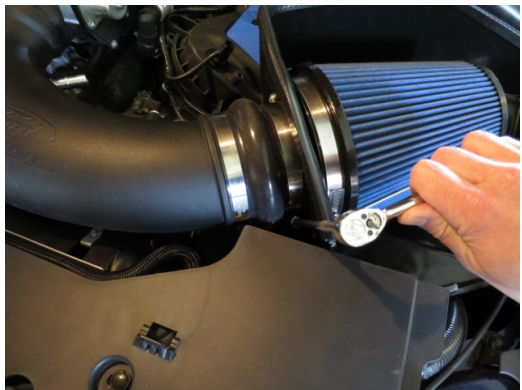
**STEP 15:** Install the new air-box assembly by sliding it into the OEM air scoop. Reinstall the air-box retaining bolt removed in STEP 9. Note: Use the 2 rubber grommets from the underside of the removed air-box on the new air-box.



**STEP 16:** Install the provided weather strip around the perimeter of the newly installed air-box.



**STEP 17:** Install the intake tube onto the throttle body with 1 large hose clamp then over the air filter adapter with 1 medium hose clamp. Torque all clamps to 44.25 in-lb +/- 1.75 in-lb (5.0 Nm +/- 0.2 Nm).



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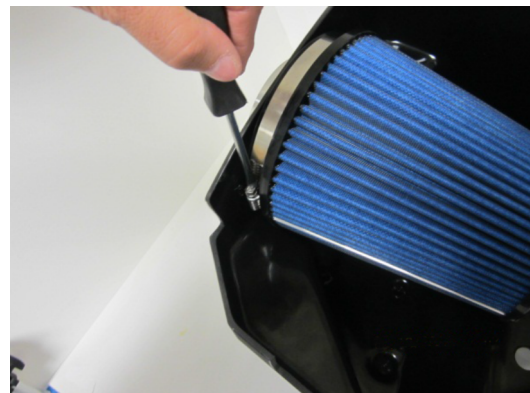
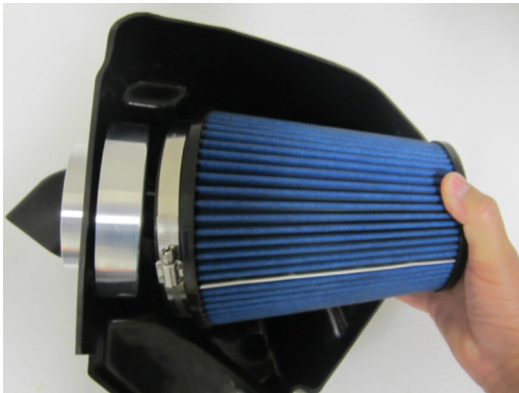
**STEP 18:** Install the breather hose onto the intake tube aluminum fitting.



**STEP 19:** Connect the mass airflow meter connector, ensuring the safety clip is in the locked position.



**STEP 20:** Install the new air filter onto the air filter adapter and tighten.





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**STEP 21:** Reconnect the battery.



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