

**INSTALLATION INSTRUCTIONS****AIR INTAKE KIT****2012-2016 CHRYSLER 300C 5.7L HEMI****2012-2016 DODGE CHARGER 5.7L HEMI****2011-2016 DODGE CHALLENGER 5.7L HEMI**

PART NUMBER

77070044AD

Bill of Materials for 77070044AD

A	1	9-0398	MOPAR Air Box
B	1	MP-M-1012	Air Filter Assembly
C	1	102507	Rubber Edge Trim 30-1/2"
D	1	08516	Filter Adaptor Tube
E	1	8-184	Elbow; Reducer 3/4" - 5/8"
F	5	08373	M6 Bolt
G (behind)	1	081004	Aluminum Threaded Boss
H	1	8-183	Blanking Plug
I	1	9472	Hose Clamp #72
J	1	08655	Elbow Coupler 4.25" ID—3.50" ID
K	3	9456	Hose Clamp #56
L	1	343052M	MOPAR Air Intake Tube
M	1	341049	Coupler, Throttle Body
Not Shown	1	L77070044	Installation Instructions



INSTALLATION INSTRUCTIONS

AIR INTAKE KIT

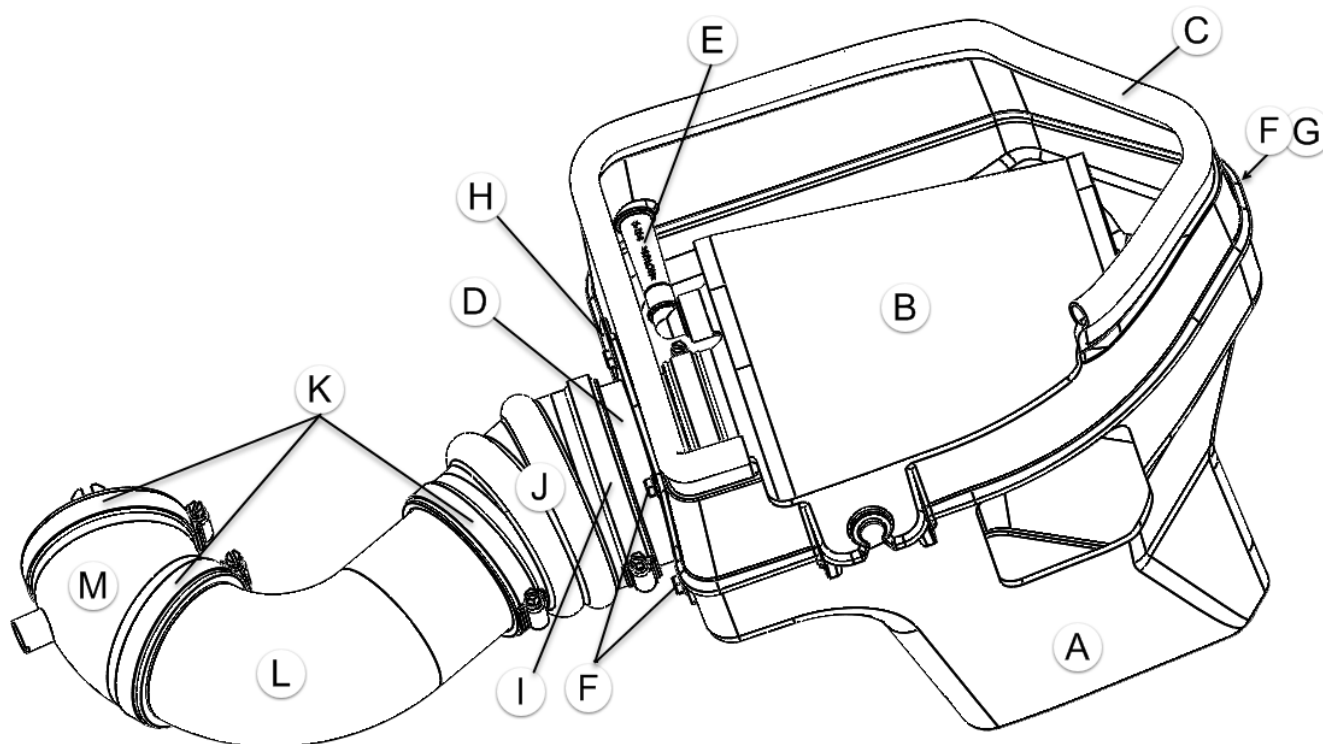
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IMPORTANT:

This kit includes a high-performance DRYFLOW Air Filter.

DO NOT APPLY ANY OIL TO THIS FILTER! See Step 5 for cleaning instructions.

Read and understand these instructions **BEFORE** attempting to install this product.

1) Getting Started

- a) If engine has run within the past two hours, open the hood and allow it to cool down.
- b) Make sure the vehicle is parked on a level surface.
- c) Set the parking brake.
- d) Disconnect the negative battery terminal.
- e) Open the air intake kit package and make sure all parts are included.

2) Removal of the stock intake system



a) Your stock air intake system should look like this.



b) Remove the engine cover by pulling straight up.



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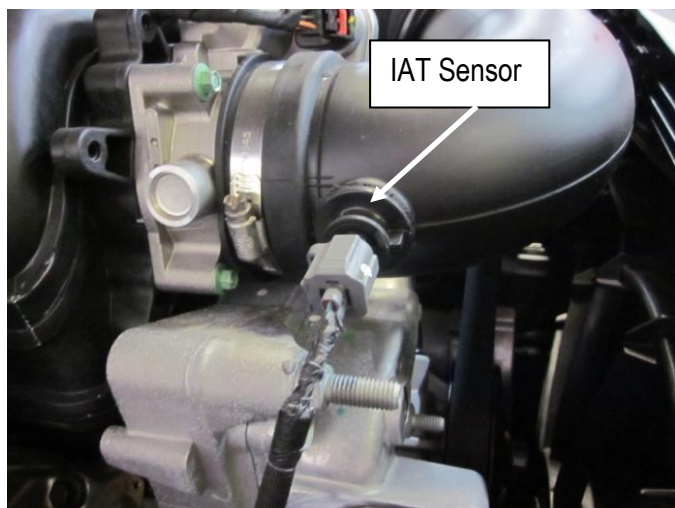
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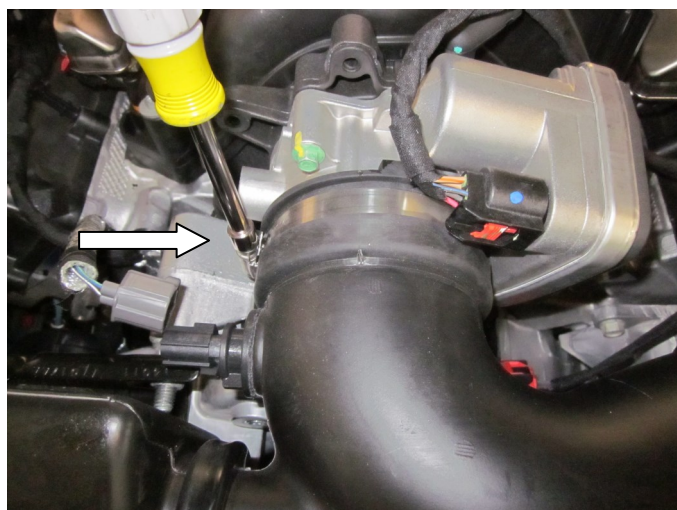
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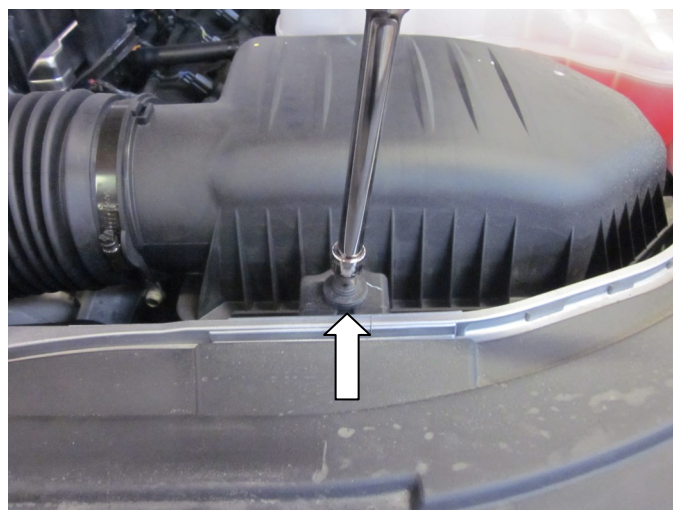
c) Release the wire harness clip to the IAT (Intake Air Temperature) sensor by gently pressing the tab.



d) With the tab depressed, detach the clip from the IAT sensor. Do not remove the sensor at this time.



e) Loosen the hose clamp at the throttle body.



f) Remove the M6 air box mounting bolt. This bolt will be reused later in step 3f).



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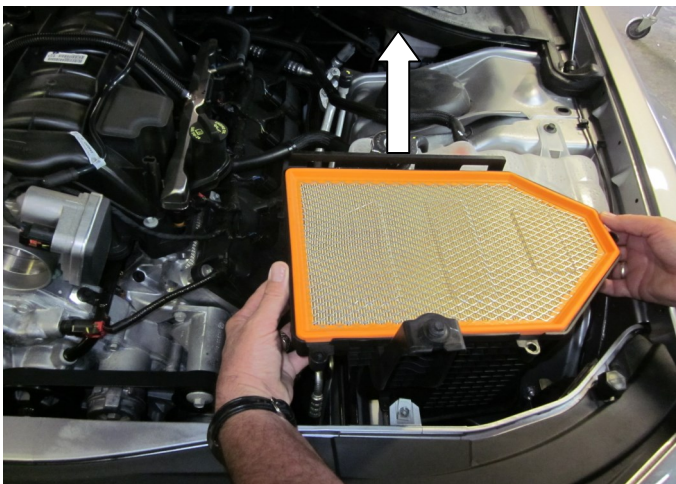
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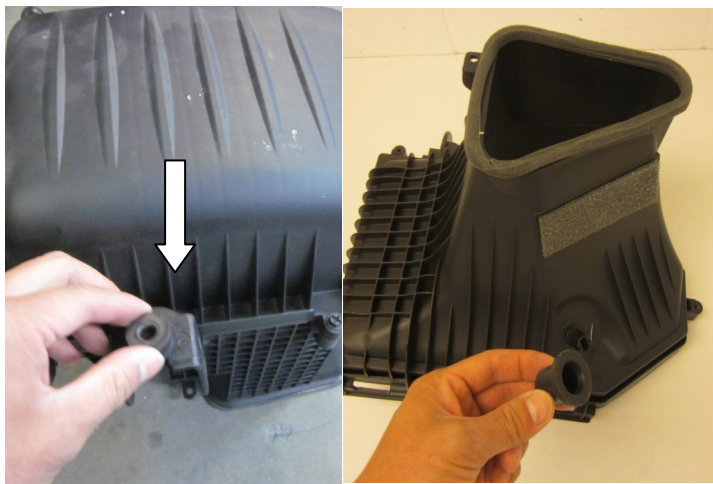
g) Detach the valve cover breather hose from the air box.



h) Remove the (3) M6 screws securing the air box lid and remove the lid with the air intake hose.



i) With the air box lid and air intake hose removed, the air box base can then be removed from the engine bay.
Note: Pull up to release the base from the inner fender.



j) Remove the rubber grommet and rubber bushing from the factory air box as shown, which will be reused in steps 3b and 3c).



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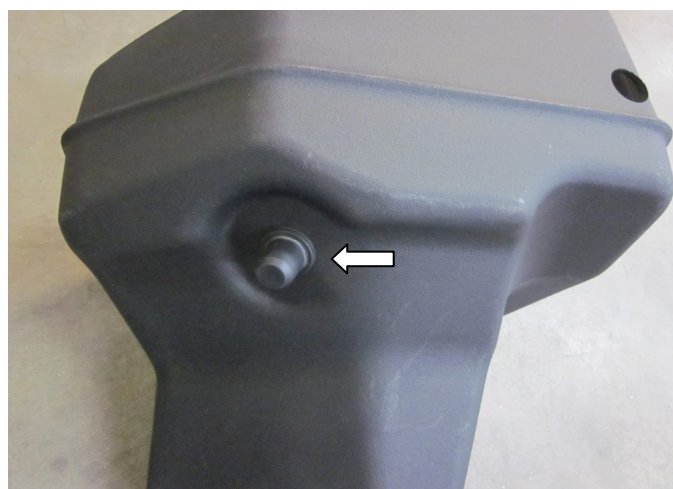
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3) Installation of MOPAR Air Intake System

NOTE: When installing the MOPAR Air Intake System, DO NOT completely tighten the hose clamps or mounting hardware until instructed to do so. Check to see that the inside of the inlet tubes and air filter are clean and free from any foreign objects and/or obstructions



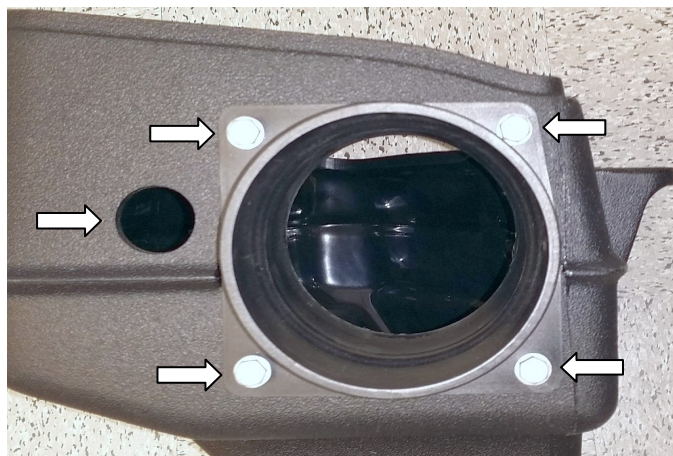
a) Install supplied aluminum threaded boss to the bottom of the MOPAR air box with supplied M6 bolt and tighten to 4.0Nm (35.4 in/lb)



b) Install the rubber bushing removed from step 2j) onto the aluminum threaded boss installed in step 3a).



c) Install the rubber grommet removed from step 2j) into the tab on the MOPAR air box.



d) Attach the filter adaptor tube to the MOPAR air box with the supplied M6 bolts using Loctite and tighten to 3.5Nm (31 in/lb) and install the blanking plug to the hole next to the filter adaptor.



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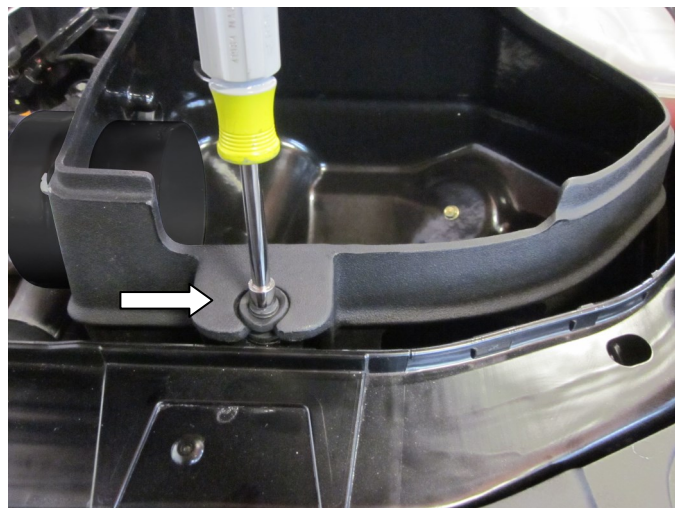
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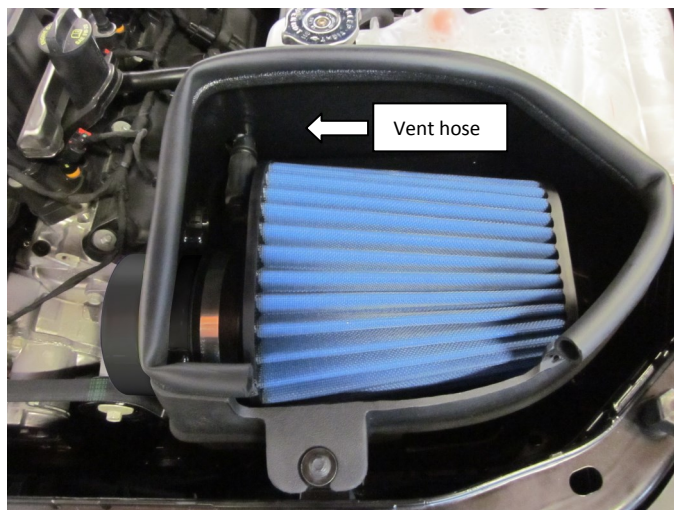
e) Lower the assembled MOPAR air box into the inner fender. **Note: Make sure the bottom of the air box and rubber bushing is completely seated into the inner fender.**



f) Secure the MOPAR air box to the core support with the M6 bolt removed from step 2f) and tighten to 3.5Nm (31 in/lb).



g) Attach the supplied elbow fitting to the MOPAR Air Filter as shown.



h) Attach the air filter to the adaptor tube in the MOPAR air box and slightly tighten the hose clamp to 3.0Nm (26.5 in/lb). **Note: The elbow fitting will go through the side of the air box.**



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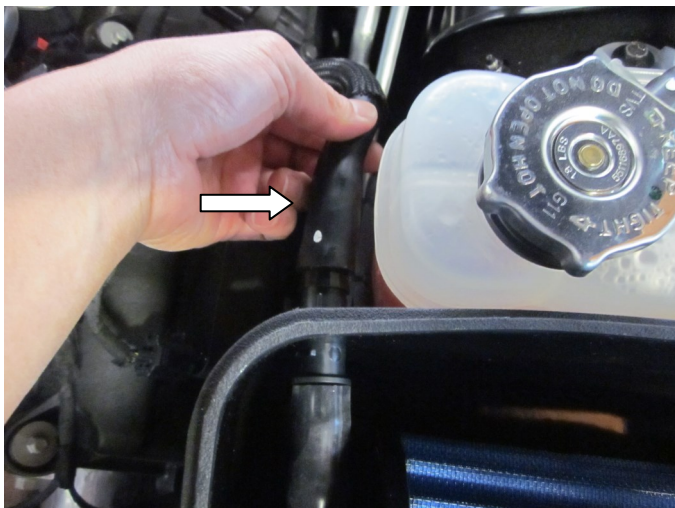
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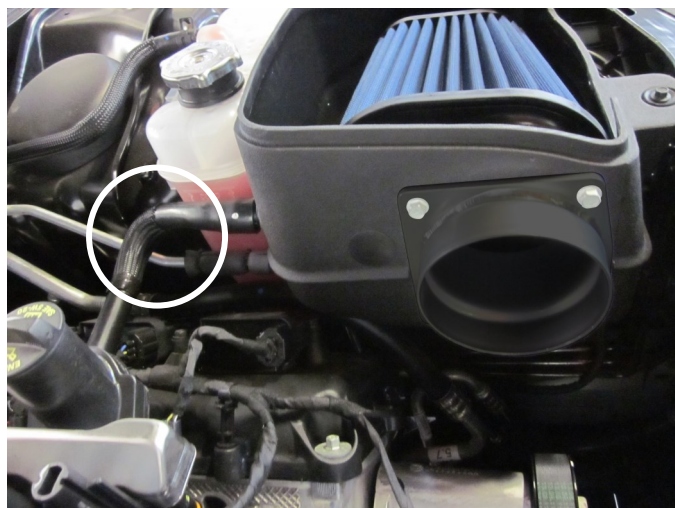
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i) Attach the factory valve cover breather hose that was removed in step 2g) from the air filter.



j) Valve cover breather hose connected. **Note: Make sure there is ample clearance between the hose and A/C line.**



k) Twist and remove the IAT sensor from the factory intake duct. Make sure the o-ring remains in place on the IAT sensor.



k) Insert the IAT sensor into the Throttle body Coupler as shown. **Orient the sensor probe relative to the notched lip.**



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m) Assure the IAT sensor is inserted all the way into the throttle body Coupler as shown.



n) Install the Throttle body Coupler and Elbow on the MOPAR intake tube as shown using the supplied hose clamps but do not tighten.



o) Install the assembly in the vehicle as shown. and tighten the Hose Clamps to 3.0Nm (26.5 in-lb)

Note: Only tighten the hose clamps when desirable tube orientation is achieved.



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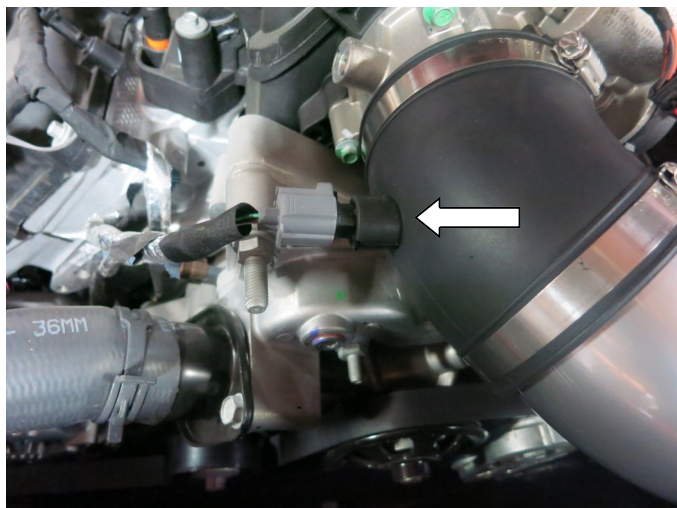
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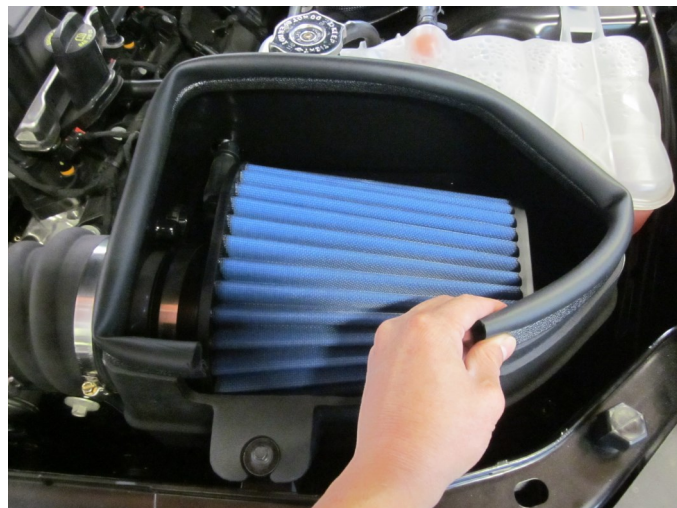
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q) Connect the IAT sensor harness that was removed in 2c) to the IAT sensor.



r) Install the supplied rubber edge trim on the MOPAR air box as shown.



s) Edge trim installed on the MOPAR air box.



t) Re-install the factory engine cover that was removed in step 2b).



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u) This is how your MOPAR air intake system should look when properly installed.



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4) Re-assemble the vehicle

- Inspect all MOPAR air intake kit components proximity to A/C lines, dip sticks, hoses for ample clearance.
- Tighten all fasteners to 3.5 Nm (31 in/lb) and hose clamps to 3.0Nm (26.5 in/lb)**
- Inspect the engine bay for any loose tools, and then check that all fasteners are tight, and that the IAT sensor cable is properly connected.
- Start the engine and allow it to idle, and then perform a final inspection before driving the vehicle.

5) Cleaning Instructions: MOPAR DRYFLOW Air Filter

(It is recommended that you service your MOPAR air filter every 20,000 miles for optimum performance.)

- Remove the air filter from intake system and set the filter clamp aside.
- Measure the length of the filter media.
- Fill a pail with warm clean water to the depth determined in Step B. Add a mild household detergent or DRYFLOW air filter cleaning solution to the water.
- Without allowing the solution to flow into the filter neck, submerge the filter into the water and let it soak for 10 minutes. After soaking, rotate the filter back and forth to agitate the water and knock off dirt.
- Empty the bucket of dirty water. Repeat steps C and D.
- Refill the pail with clean warm water and rinse by rotating the filter as in step D. The water should be clear with no signs of dirt in the pail.
- Allow the filter to air dry. Re-install the filter on the intake system once it is dry.

DO NOT APPLY ANY OIL TO THIS FILTER.

