



advanced FLOW engineering

Installation Guide

Part #: 54-11442
Magnum FORCE™ Intake Systems
 Make: Chrysler
Model **Year** **Engine**
 PT Cruiser '01-'02 L4-2.4L

Tools Required:

- 5/16" or 8mm nut driver or medium flat blade screwdriver
- 10mm socket or wrench

Parts Included:

- Air filter PN# 24-91016 (1)
- Coupler, reducer, 2-1/2" x 2-1/4" (1)
- Hose, Vent 1/2 id x 5.5" long (5.5)
- Trim Seal, Large bulb, 23" oal (23)
- Trim Seal, Small bulb, 12" oal (12)
- Rubber Grommet (2)
- Clamps, coupler-Tridon # 044(2)
- Elbow, Vent hose 1/2" (1)
- Housing, Filter (1)
- Tube, rotomolded black (1)

Disassembly Instructions:

1. Remove intake manifold cover trim by pulling straight up to release the 3 rubber mounts.
2. Loosen intake boot clamp & pull vent hose off at valve cover. Disconnect wire harness at intake air temperature sensor (see Photo A).
3. Pull complete filter box straight up and out of vehicle. Remove two rubber grommets from mounting plate and keep with filter box.
4. Carefully remove air temperature sensor from boot. It may be necessary to lubricate and gently pry out the sensor. Be careful not to damage the sensor.
5. For extra panel clearance, it may be necessary to rotate the two heater hose spring clamps.
6. Remove the two 10mm bolts from the filter/fuse box mounting plate. (See Photo B). Also remove the 10mm bolt from the upper computer mount plate. Lower filter housing into position and reinstall all three bolts. Install long trim on top edge of housing. Install small trim along hole in panel for intake tube.
7. Take new intake tube and install two grommets into holes. Slip rubber vent tube over elbow and install elbow through bottom grommet (See photo C). It may help to support grommet from inside to prevent grommet from pushing through. Also install air temperature sensor through upper grommet. Slip rubber coupler over small end of intake tube but do not install clamps at this time.
8. Place tube assembly into housing and pass vent hose and tube coupler end through panel and slip over valve cover vent and throttle body. The large hose clamps can be opened fully and placed over tube coupler and tightened in place as shown (See photo D). The air temperature sensor wire harness can now be reconnected.
9. Loosen filter clamp and install factory pre-oiled filter over tube inlet. Re-position clamp and tighten as shown (See photo E). Insure adequate clearance between filter and hood support rod.
10. Your installation is now complete. Check that there are no pinched wires or loose clamps or connections.

Make sure all hoses and clamps are tight and secure. Re-check after a few hours of operation.

Congratulations, your installation should look like this when successfully completed.

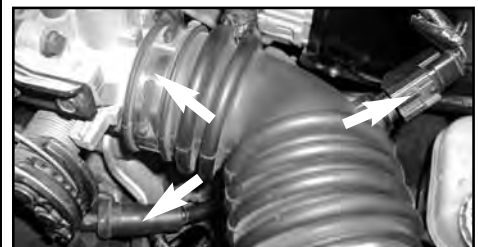


Photo A



Photo B



Photo C



Photo D



Photo E

Note:

Filter Cleaning and Re-oiling: When cleaning your aFe filter, use the "Restore Kit" aFe PN 90-50001 (aerosol blue oil) or PN 90-50501 (squeeze bottle blue oil). For Filter Replacement: PN 24-91016 (Black w/blue media).

Revised 7-24-07 06-80208

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