



advanced FLOW engineering Installation Instructions

Part #: 51/54-10102

Magnum FORCE™ Intake Systems

Make: Toyota

Model	Year	Engine
Tundra	'00-'04	V8-4.7
Sequoia	'01-'04	V8-4.7

Tools Required:

10mm wrench or socket with ratchet

12mm wrench or socket with ratchet

7/16" wrench or socket

Phillips screwdriver, small

Slotted screwdriver, small

Parts Included:

- 1 Air filter (p/n 24-91008) or Pro Dry S™ p/n 21-90018
- 1 Coupler, straight, 3.5 i.d. x 2.0
- 1 Hose, Vent 5/32 id x 17" long
- 1 Hose, Vent 5/16 id x 19" long
- 1 Hose, Vent 1/2 id x 14" long
- 1 Housing, Filter (black powder-coated wrinkle finish)
- 1 Intake Tube
- 1 Hose barb fitting, 1/4 x 1/8 brass
- 1 Hose barb fitting, 5/16 x 1/8 brass
- 1 Hose barb fitting, 3/16 x 1/8 brass
- 1 Trim Seal, 42"
- 1 Trim Seal, 13"
- 2 Clamps, #056
- 2 Nylon spacers, 1/4x1/2x1/8
- 1 MAS sensor gasket, 3/16" thick
- 1 Washer, wavy, M6
- 1 Washer, flat, M6
- 2 Screw, slotted, M4x.7x16
- 1 Screw, hex head, M6x1.0x12
- 1 Plug, threaded 1/8 NPT

Installation Instructions

1. Disconnect negative terminal on battery.
2. Remove trim over Throttle Body. (see photo 1)
3. Remove screw for A/C line clamp and save for reuse (see photo 2).
4. Remove mass air flow meter and unclip harness from factory intake tube. Disconnect vacuum hoses from tube - the largest hose can be removed from the cylinder head valve cover vent.
5. Loosen clamp at throttle body. Loosen 3 bolts that hold down filter box. Remove the filter box with intake tube.
6. Install edge trim on aFe filter housing and smaller trim to line the tube hole (see photo 3). Remove (2) bolts on air bag sensor and place sensor aside (see photo 4). Do not disconnect sensor. Lower filter housing into place and reattach air bag sensor with filter panel sandwiched between sensor using original bolts (see photo 5). Use the provided hex screw, wave and flat washer at the other panel tab.
7. Slip the flexible coupler over the short end of the intake tube elbow and slip (2) hose clamps over coupler. Pass long end of tube thru filter housing and attach coupler to throttle body (see photo 6). Attach A/C line clamp to intake tube using original screw. With the engine off, rotate cooling fan blades by hand to verify clearance between fan and tube. Install the 3 hose fittings, smallest to largest, from right to left (see photo 7).
8. Place foam gasket and plastic spacers over flow sensor mounting pad and install flow sensor using the slotted screws provided (see photo 6).
9. Install the 5/32" x 17" hose from the smallest hose barb fitting to the fuel press regulator (see photo 7).
10. The medium hose barb fitting is connected to the existing hose to the power steering valve.
11. The largest hose barb fitting is connected to the evap canister line using the provided 5/16" x 19" long hose. Use the provided pipe plug if this hose is not used.
12. The largest vent hose, 1/2" x 12" is used to connect the valve cover vent to the molded hose fitting (see photo 7).
13. Install pre-oiled aFe filter on end of intake tube. Do not use any oil or grease. Make sure all sensors are connected. Install engine cover trim over throttle body. Re-connect negative battery terminal. Check to make sure airflow and airbag sensors are connected and check to make sure hoses are not kinked.
14. Start engine and allow to warm up before driving. If idle is erratic or a check engine light is displayed you should have disconnected the battery for at least 10 minutes. Reconnect battery and drive vehicle in a normal manner as computer re-learns new parameters (this may take up to 300 miles).
15. Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing the Smog Check inspection.

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



Photo 1



Photo 2



Photo 3



Photo 4

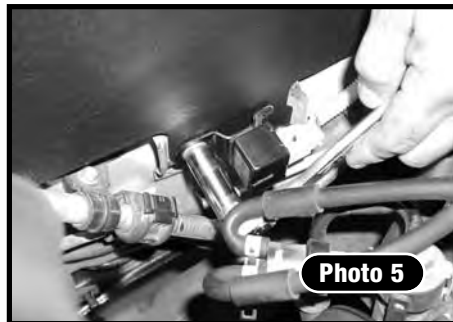


Photo 5

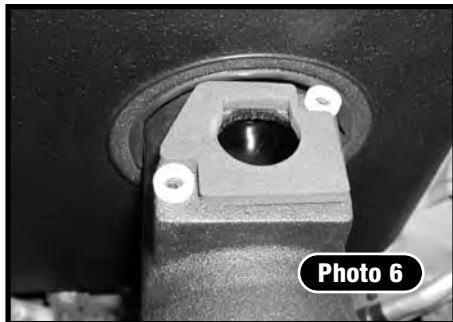


Photo 6



Photo 7



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 Release date: 06/05/03

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe PN: 90-50001 aerosol blue oil or aFe PN: 90-50500 blue squeeze bottle oil). For Filter Replacement: PN: 24-90018 (black with blue media). Pre-filter: 28-10111 yellow, 28-10112 red, 28-10113 black, and 28-10114 blue. Pro Dry S™ P/N: 21-90018 (black w/white media) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074. Revised on 4-12-04 06-80009b