



advanced FLOW engineering Installation Instructions

Part #: 51/54-10261

Magnum FORCE™ Intake Systems

Make: Ford

Model	Year	Engine
Lightning	'99-'04	V8-5.4(sc)
Harley Davidson	'99-'03	V8-5.4(sc)

Tools Required:

- 5/16 or 8mm wrench or socket with ratchet
- 10mm wrench or socket with ratchet
- 7/16 or 11mm wrench or socket with ratchet

Parts Included:

- 1 Filter (P/N 24-90023) or Pro Dry S™ P/N 21-90023
- 1 Housing, Filter - Stainless
- 1 Gasket, MAF
- 1 Grommet, air temp
- 1 Grommet, wire loom
- 2 Screw, Hex Head 1/4 -20
- 2 Nut, 1/4-20 self locking
- 2 Spacer, plastic
- 2 Washer, fender, 1/4"
- 4 Screw, hex head, M6
- 4 Washer, wavy
- 1 Trim Seal 28"
- 1 Trim Seal 5"

Installation Instructions

1. Disconnect negative terminal of battery (optional)
2. Disconnect wire harness from air temp sensor. There are two types of temp sensor. A push-barb style sensor that removes by pulling out, or a twist-lock sensor that rotates a 1/4 turn and pull to remove. (see photo 1)
3. Disconnect wire harness from Mass AirFlow Sensor (M.A.S.) (see photo 2) and remove 4 bolts (see photo 3). Loosen clamp and remove M.A.S. and set aside.
4. Reach under filter box and support its mounting plate while pulling upward to disengage box from rubber mounts (see photo 4).
5. Install plastic spacers halfway thru rubber mounts (see photo 5).
6. Remove bolt from cruise control bracket (see photo 6).
7. Install edge trim and hole grommet into aFe filter housing (see photo 7).
8. Lower housing into place and insert (2) hex bolts thru plastic spacers and secure with large washers and self-locking nuts from underneath. Insert screw thru tab for cruise control bracket.
9. Pass the air temp sensor and wire harness thru housing and install by pushing into grommet (see photo 8). If you have the barb-style sensor it may help to lubricate the grommet before insertion. If you have the twist-lock sensor install it dry thru the grommet.
10. Slip mas sensor into boot but do not tighten clamp. Place gasket and small hex screw with wave washer into mas sensor and install onto housing (see photo 9). Make sure all bolts are started and gasket is in place before final tightening. Tighten boot clamp last. If the clamp at the throttle body was loosened during installation it should be tightened.
11. Re-connect Mass AirFlow Sensor and air temp sensor wire harness.
12. **Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing Smog Check inspection.** Make sure all hoses and clamps are tight and that all electrical components are secure.



Photo 7



Photo 8



Photo 9



Photo 1

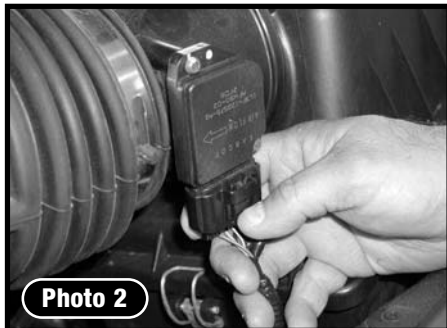


Photo 2

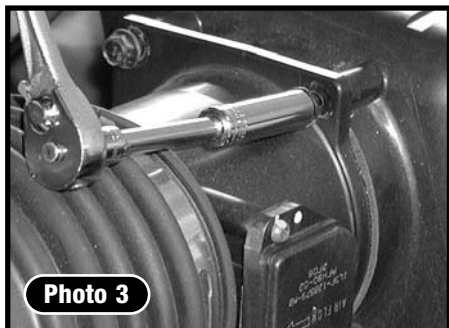


Photo 3



Photo 4



Photo 5

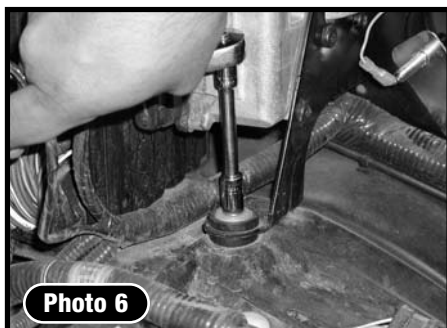


Photo 6

P.O. Box 1718
Corona, CA 92878
Tech Support: 951-493-7100
www.afefilters.com
Release date: 06/9/03

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 aerosol blue oil or aFe P/N: 90-50500 blue squeeze bottle oil). Pre-filters: P/N: 28-10111 yellow, 28-10112 red, 28-10113 black, and 28-10114 blue. Replacement filter P/N: 24-90023. Pro Dry S™ P/N: 21-90023 (black w/white media) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074.