



# advanced FLOW engineering

## Installation Guide

**Part #: 54-10142**

**Magnum FORCE™ Intake Systems**

**Make: JEEP**

**Model: Year: Engine:**  
Wrangler (TJ) 1997 - 2005 I6 4.0L

### Tools Required:

- 5/16 or 8mm nut driver
- 10mm socket wrench
- 13mm socket wrench

### Parts Included:

- Air Filter 24-30018 (1)
- Coupler, straight (1)
- Coupler, single hump (1)
- Hose, vent (1)
- Housing, filter (1)
- Tube w/vent, rotomolded black (1)
- Trim Seal (1)
- Clamp, vent hose (2)
- Clamps, hump coupler #052 (2)
- Clamps, straight coupler #048 (2)
- Rubber Grommet (1)
- Hex bolts, M6 x 20 (2)
- Nuts, M6 (2)
- Wave washer, M6 (2)
- Fender Washer (4)

### Instructions:

1. Loosen hose clamps on both ends of air intake duct and remove duct. **(Photo A)** Unclip the five clamps holding down air box lid and remove lid and filter element. Then, loosen three bolts in bottom of air box **(Photo B)** holding the nut inside the fender well with a 10mm wrench and remove box. Then using a 13mm socket, remove the two bolts holding strut rod and remove rod.
2. With 10mm socket extension and ratchet, remove bolt on radiator bracket **(Photo C)**.
3. Install heat shield using the supplied nuts, bolts, and washers and tighten. Slide rubber grommet (also supplied) over strut rod, then slide strut rod through panel **(Photo D)**. Replace bolts and tighten.
4. Install aFe Magnum Force Intake tube using straight coupler on throttle body side of intake tube. Then install 3" hump hose on heat shield. Slide intake tube into hump hose and bring tube down to meet throttle body. Slide straight coupler over throttle body and tighten coupler and hump hose with hose clamps (supplied). **(Photo E)**
5. Replace vent hose with supplied hose and clamps. Trim to length if necessary.
6. Install the edge trim seal on the filter housing. The trim is notched for the corner and the shorter 11" leg installs towards the radiator bracket.

**Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system.** Make sure all hoses and clamps are tight and that all electrical components are secure. Re-check and after a few hours of operation.

**Congratulations, you're installation should look like this when successfully completed.**



Photo A

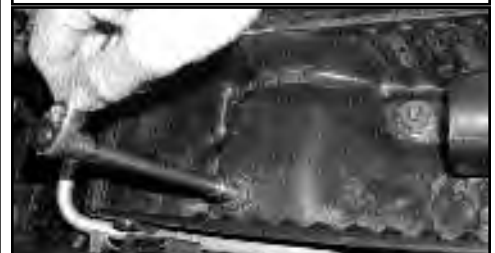


Photo B



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 24-30018 (red w/ gold media)

06-80013b

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