



advanced FLOW engineering

Installation Guide

Part #: 51/54-10232
Magnum FORCE™ Intake Systems
Make: Jeep
Model: Liberty
Engine: V6 - 3.7L
Year: 2002-2003

Tools Required:

- 5/16 or 8mm socket, nutdriver, or med flat screwdriver
- 10 mm socket or wrench
- Ratchet & extension

Parts Included:

Air Filter #24-30018 or Pro Dry S™ 21-30018 (1)
Housing panel (1)
3" Intake Tube, Black (1)
Coupling, hump 3" x 3" (1)
#052 Clamps (2)
#006 Mini Clamps (2)
Spacer Washers (1)
3/4" Trim seal @ 25"L (1)
7/16" Trim seal @ 12-3/4"L (1)

Installation Instructions:

1. Loosen clamps for the air ducts at throttle body and filter box. Disconnect the (2) rubber vent hoses at the plenum box. Pull the plenum box straight off the throttle body & rubber mounts. Remove the rubber coupler from the throttle body if it separates from the plenum box. Lift the filter box straight up & out of vehicle.
2. Remove nut from inner fender above coil spring seat (see **Photo A**). Remove nut from top ECM bracket (see **Photo B**). Remove bolt from radiator core support (see **Photo C**). Install Magnum Force housing panel using these attachment points (see **Photo D**). The (2) spacer washers will be used under the tab on the radiator core support.
3. Install 22" Trim on top edge of panel. The notch is placed in the corner with the short leg towards the fender and the longer leg towards the radiator core support. The shorter edge trim is used to line the hole in the panel. Start & end the trim at the bottom of the hole for appearance.
4. Install the Flexible Coupler over the short end of the intake tube. It may take some effort & can be assisted by hand from the inside of the coupler. Slide it on until the edge touches the vent tube. Pass the other end of the tube thru the hole in the panel. Slide the coupler over the throttle body. This will also take a bit of effort but can be done without tools. It helps to push from the front side of the intake tube while working the coupler evenly over the throttle body. When evenly installed the large hose clamps can be opened up and placed over the coupler & tightened. Install clamps with adjustment screws away from throttle linkage (see **Photo E**).
5. Slide existing vent hoses onto vent tube connections & secure with small hose clamps.
6. Install your pre-oiled aFe filter onto the end of the intake tube & secure with the provided clamp (do not use any oil).
7. Your installation is now complete. Double-check all connections & make sure there is no interferences with hoses, wires, etc.

Your installation is now complete. Start your engine and check for unusual noises. If you have any questions in regards to this installation, please feel free to call our toll free support line. 877-512-8111.



Photo A



Photo B



Photo C



Photo D



Photo E

Legal in California only for racing vehicles which may never be used upon a highway.
CARB certification pending.

Note:
Filter Cleaning and Re-oiling: When cleaning your aFe filter, use the "Restore Kit" aFe PN 90-50000 (aerosol) or PN 90-50500 (squeeze bottle). For Filter Replacement: PN 24-30018. Pro Dry S™ P/N: 21-30018 Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074