



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-8104

| | | | | |
|-----------|------|--|-------------|-----------------------|
| 2004-2005 | FORD | F-250 Super Duty Harley Davidson Edition | V8-6.0L DSL | C.A.R.B. E.O. # D-670 |
| 2004-2005 | FORD | F-350 Super Duty Harley Davidson Edition | V8-6.0L DSL | C.A.R.B. E.O. # D-670 |
| 2003-2006 | FORD | F-250 / F-350 Super Duty | V8-6.0L DSL | C.A.R.B. E.O. # D-670 |
| 2003-2005 | FORD | Excursion | V8-6.0L DSL | C.A.R.B. E.O. # D-670 |

2006 vehicle models fit JOB 1 build Only! Check the original window sticker to determine if the vehicle is a Job 1 or Job 2.

PARTS LIST

| Description | Qty. | Part Number |
|-------------------------------------|------|-------------|
| Air Filter Assy. 4.00 X 9" Dry Ele. | 1 | 21-2059DK |
| Inlet Pipe | 1 | 2-81041 |
| Hose, Silicone 4.00x3" Blk. | 1 | 5-400 |
| Grommet, 1/2" | 2 | 784634 |
| Wrench; Torx T20 T/R, L-Key | 1 | 69801 |
| Stand, Aluminum | 1 | 2-670 |
| Block Off Plate, MAF | 1 | 2-783 |
| Gasket, Block Off Plate | 1 | 2-7831 |
| Hose; 1/2"ID X 3"L | 1 | 5-5003 |
| Connector, Plastic 1/2" Blk. | 1 | 8-117 |
| Bolt, Hex M6-1 X 35mm | 1 | 1-2002 |
| Bolt, Socket M4-.7 X 8mm | 2 | 1-2105 |
| Washer, 6mm Soft Mount | 2 | 559999 |
| 1/2" Bnd. Hose Clamp, 3.56"-4.50" | 3 | 9464 |
| Nut, M6 Hex Serrated | 1 | 444.460.04 |

Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

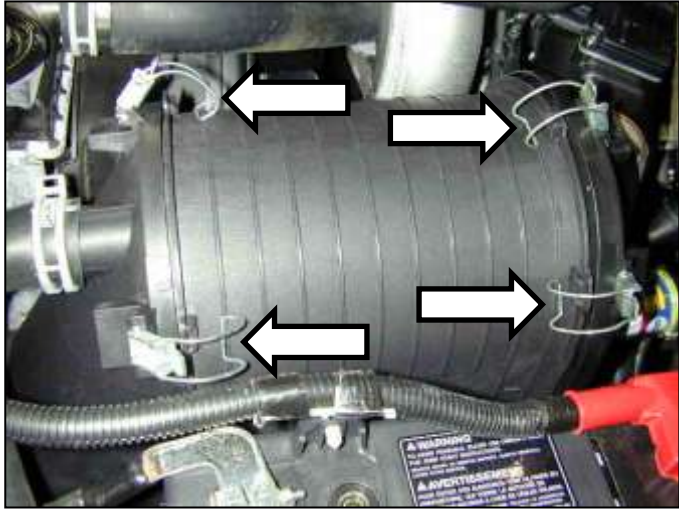
1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

2. Removal of stock system



a. Stock air box configuration system.



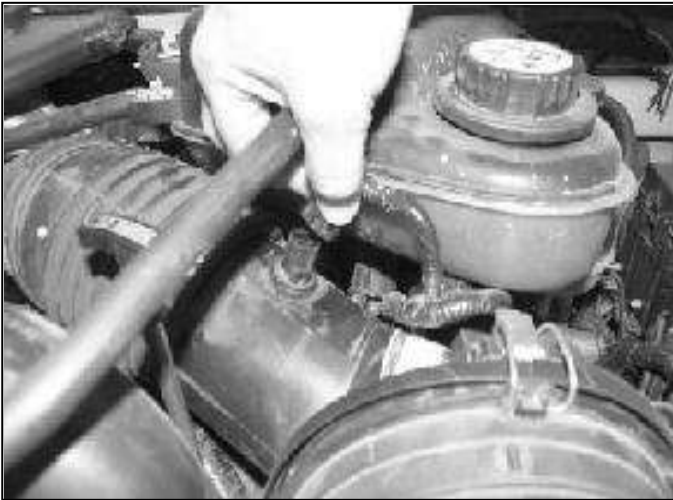
b. Release the four clips on the air box.



c. Loosen the hose clamp on the turbo inlet pipe.



d. Vehicle equipped with MAF sensor. Unplug the mass air flow (MAF) sensor.



e. On vehicles equipped with IAT, unplug the IAT sensor and remove from the housing.



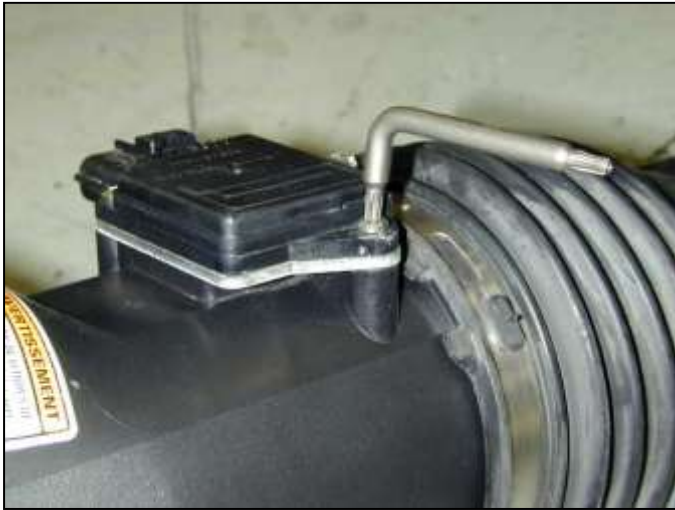
f. Pull the air filter status meter from the grommet.



g. Remove the rear section of the intake system.



h. Remove the remaining stock air box system.



i. Use the supplied torx key to remove the MAF sensor. Save screws for later use.

3. Installation of AEM® intake system.

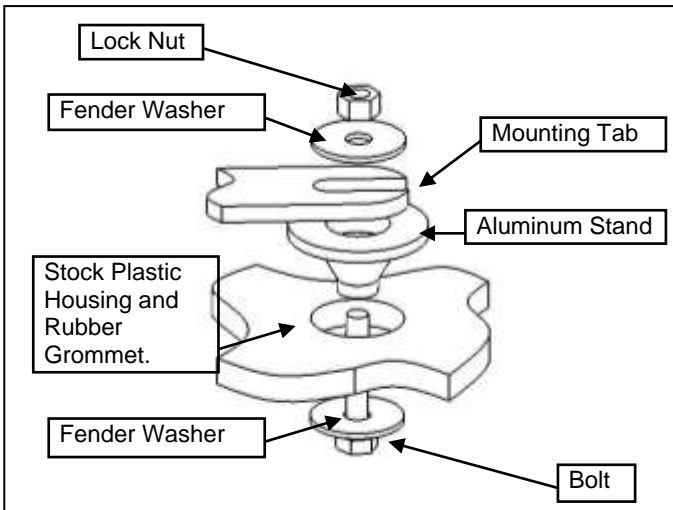
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



b. Install the supplied coupler as shown.



c. Place the aluminum stand in the plastic member as shown.



d. Proper final installation of the aluminum stand.



e. Install the supplied grommet in the inlet pipe.



f. Place the inlet pipe in engine bay as shown. Confirm that the mounting tab is under the fender washer.



g. Install the air filter onto the end of the pipe. If the negative lead touches the air filter, rotate the terminal, as shown.



h. **Vehicle with a MAF Sensor:** Install the sensor into the intake pipe using the two factory bolts removed during step 2i. Proceed to step 3k.).



i. On vehicles equipped with an IAT sensor, install the provided adapter plate onto the intake pipe using the two supplied bolts. Install the supplied grommet into the plate. Install the IAT sensor into the grommet on the adapter plate and proceed to step 3j.).



j. Install the air filter status meter into the rubber grommet on the rear of the pipe.
NOTE: If the air filter status meter wire is in tension proceed to Step 4.



k. Plug in the MAF sensor.

4. Air Filter status meter relocation.



a. If the air filter status meter wire is in tension, add the supplied hose and plastic connector as shown.



b. Install the air filter status meter assembly as shown.

5. Reassemble Vehicle

- a. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

6. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

7. Service and Maintenance

- a. It is recommended that you service your AEM[®] Dryflow[™] filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM[®] intake tube.
- c. Use window cleaner to clean your powder coated AEM[®] intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes)**