



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.

* **NOTE:** Legal in California only for racing vehicles which may never be used upon a highway

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.

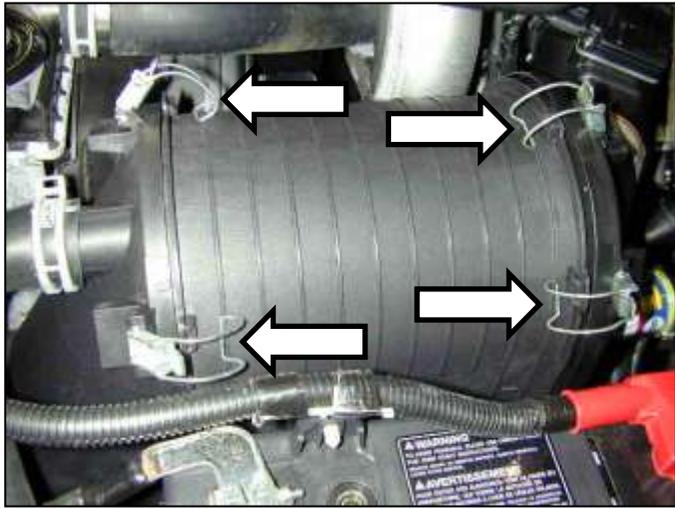
1. Preparing Vehicle

- 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.



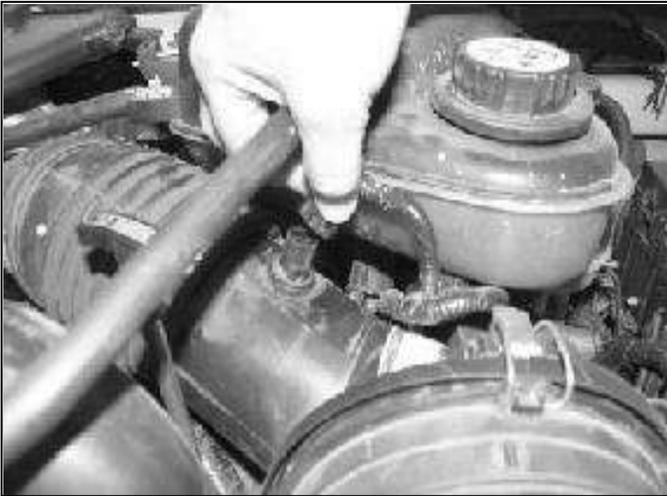
b. Release the four clips on the air box.



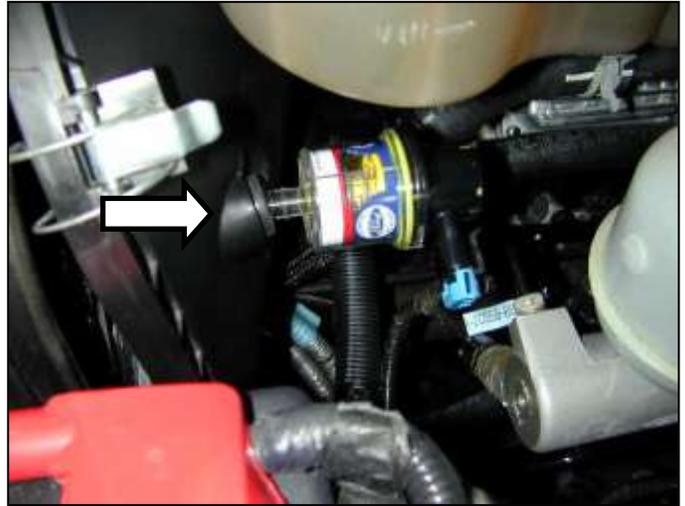
c. Loosen the hose clamp on the turbo inlet pipe.



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.

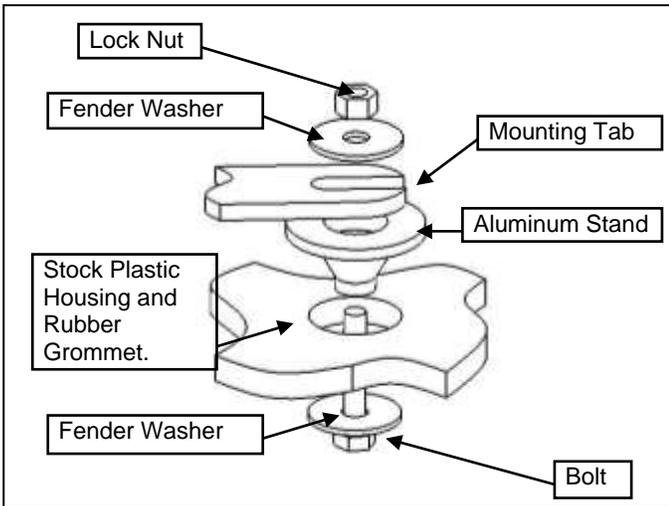
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



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)**

For technical inquiries
e-mail us at
sales@aemintakes.com
or
call us at
800.992.3000

AEM Air Intake System Warranty Policy

AEM® warrants that its intake systems will last for the life of your vehicle. AEM will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM warranty claims.