



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER:21-8315

1991-2001

JEEP

Cherokee

L6-4.0L

C.A.R.B. E.O. # D-670

*** 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. 2.75 X 9" Dry Ele.	1	21-2029DK
Inlet Pipe	1	2-83151
Heat Shield	1	20-8315
Elbow, 2.75-90 2.4"& .9"Legs	1	5-280-1
Hose; 5/8"ID X 14"L	1	5-7014
Edge Trim, 13"	1	8-4013
Mount, Rubber 1" X 8mm	1	1228560
Vacuum Cap, 5/8"	1	8-104
Rubber Edge Trim 14"	1	8-3014
Zip Tie, 8" Tree Push-Mnt.	1	1-127
Hose; 5/8"ID X 8"L	1	5-7008
Bolt, Hex/Flange M8-1.25 X 20	2	1-2025
Washer, 8mm Soft Mount	5	559960
Nut, M8 Hex Serrated	3	444.460.08
Hose Clamp, 1 1/16" Narrow	4	4093-6
1/2" Bnd. Hose Clamp, 2.31-3.25"	2	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448

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.

The AEM® intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.

1. Preparing Vehicle

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

2. Removal of stock system



a. Factory air box system installed.



b. Remove the breather hose between the air filter housing and the valve cover.



c. Remove the rubber hose connecting the hard plastic charcoal canister hose to the air filter housing.



d. Loosen the hose clamp on the throttle body. This is done by simply pulling outward on the plastic hose clamp grips.



e. Unclip the three clamps securing the air filter housing lid to the base. Remove the lid and the inlet hose.



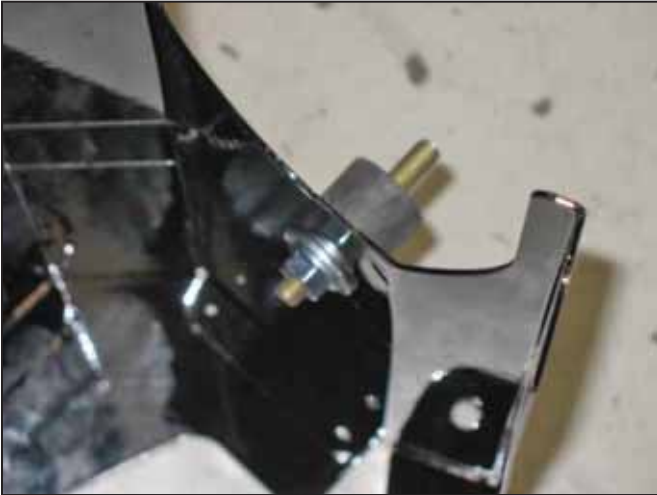
f. Remove the air filter from the housing. Remove the two bolts and the one nut from inside the filter housing. Lift up and remove the air filter housing base.



g. Stock air box system removed.

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 rubber mount onto the heat shield using an M8 washer and nut.



c. Install the tree mount zip-tie into the hole on the side of the heat shield as shown.



d. Install the rubber edge trim onto the top edge of the heat shield where the pipe passes through.



e. On Jeeps from 1996 on, remove the perforated panel from the center of the heat shield by either cutting it out or punching it out. File the edges flat and use a small amount of paint to prevent rust.



f. Install the heat shield by aligning the stud in the inner fender with the corresponding hole on the heat shield. Secure using the supplied M8 nut, two M8 bolts, and three washers.



g. Install the 90 degree coupler onto the throttle body and secure using the supplied #48 hose clamps.



h. Slide the intake pipe into the elbow until the mounting bracket aligns with the rubber mount on the heat shield. Secure the pipe to the rubber mount using the remaining M8 washer and nut.



i. Install the hose between the valve cover breather nipple and the breather nipple on the engine side of the intake pipe. Secure using two of the supplied 1" hose clamps. Trim hose to fit.



j. Install the supplied breather hose between the hard plastic charcoal canister hose and the nipple on the driver side of the intake pipe. Secure using the remaining 1" hose clamps. Trim hose to fit.



k. Install the AEM® Dryflow™ air filter onto the end of the pipe. Push the air filter over the intake pipe until the stop in the air filter is reached. Use a #48 clamp to secure the air filter onto the intake pipe.



Factory air box system installed



AEM® intake system installed

4. 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.

5. 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.

6. 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.