



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 22-427

2003-2004 CHRYSLER PT Cruiser L4 – 2.4L Turbo 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
Short Pipe	1	2-4271
Heat Shield	1	20-427
Elbow, 3.00/2.362 90 Deg	1	5-303
1/2' Bnd. Hose Clamp, 2.15-3.00"	1	9440
1/2" Bnd. hose Clamp, 2.56"-3.50"	1	9448
Air Filter Assy. 3.00 X 5" Dry Ele.	1	21-203DK
Nut, M6 Hex Serrated	2	444.460.04
Washer, 6mm Soft Mount	2	559999
Mount, Rubber 1" X 6mm	1	1228599
Grommet, 3/8"	1	784633
Rubber Edge Trim 12"	1	8-3012
Edge Trim, 3"	1	8-4003
Edge Trim, 7"	1	8-4007
Hose; 1/2"ID X 8"L	1	5-5008
Hose Clamp, 1"	2	99024.032
1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452

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 all negative battery terminals.
- e. Do not discard stock components after removal of the factory system.

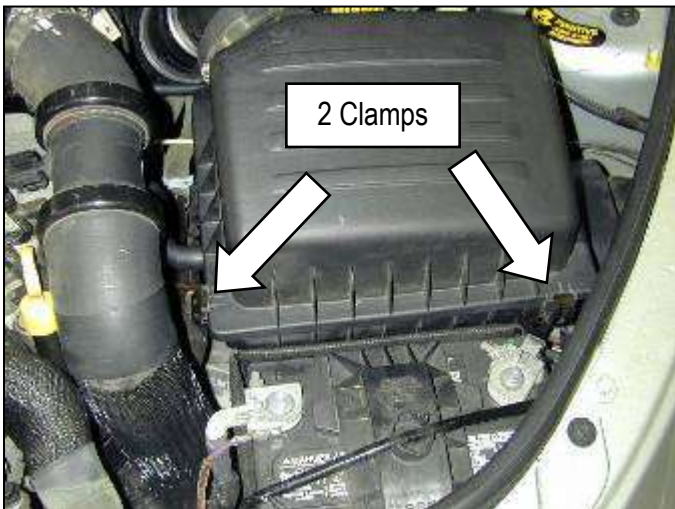
2. Removal of stock system



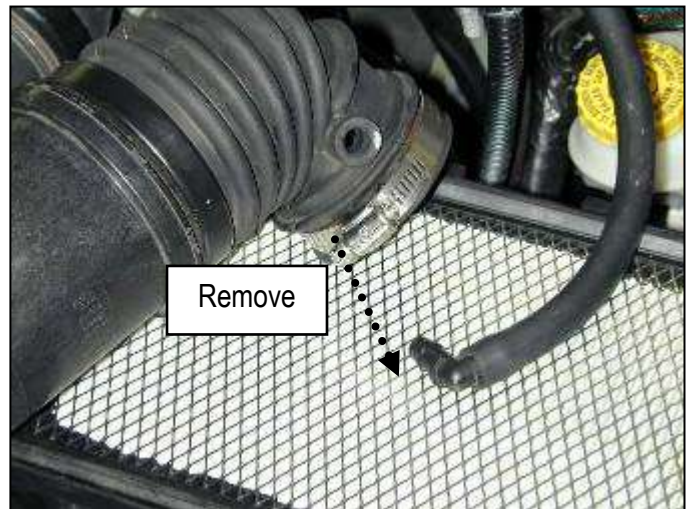
a. Loosen the clamp at air box.



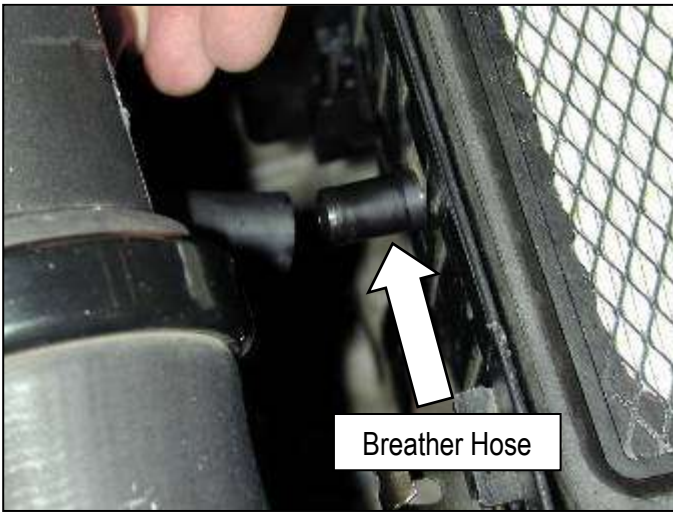
b. Loosen the clamp at the turbo inlet. It is suggested to use a 5/16 socket on a long extension or multiple extensions as needed.



c. Unclamp the 2 clamps that keep the air box sealed. Remove the top half of the box.



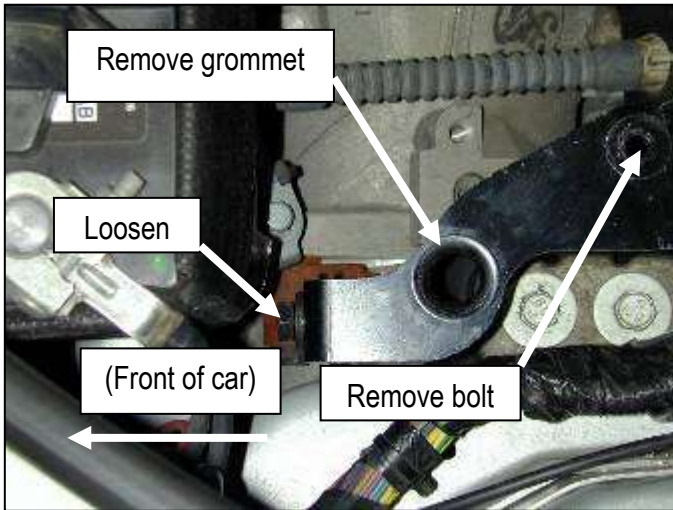
d. With the top half of the air box removed, pull the stock inlet tube off the turbo. Disconnect the hose from the inlet tube.



e. Disconnect the breather hose from left side of air box. After the air box is removed, remove the breather hose from the valve cover.



f. Remove the air box by pulling straight up.



g. Remove the grommet from the bracket. As shown, loosen the bolt but do not remove. As shown, remove the bolt and reuse for heat shield installation.



h. Remove the nut from the strut tower and reuse when installing heat shield.

3. Installation of AEM® intake system.

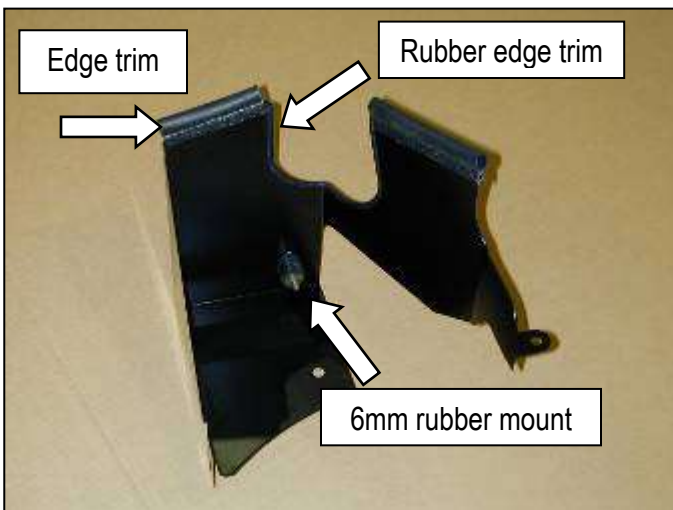
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



b. Prepare reducing elbow as shown. For ease of tightening clamps, arrange them as shown.



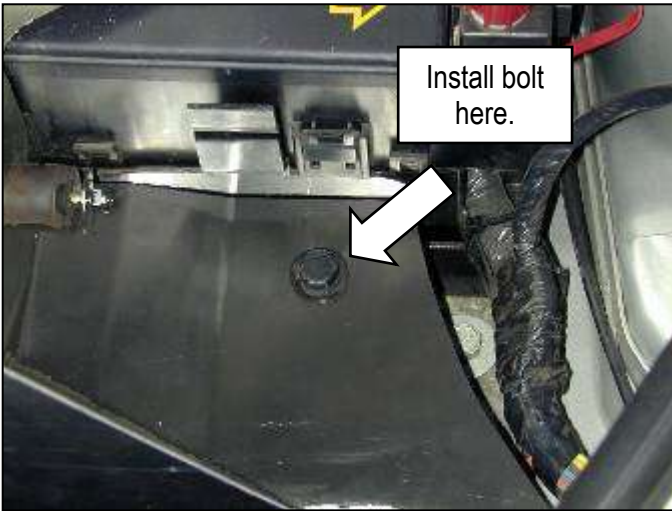
c. Install elbow on turbo inlet. Tighten the clamp at turbo snugly but do not tighten all the way.



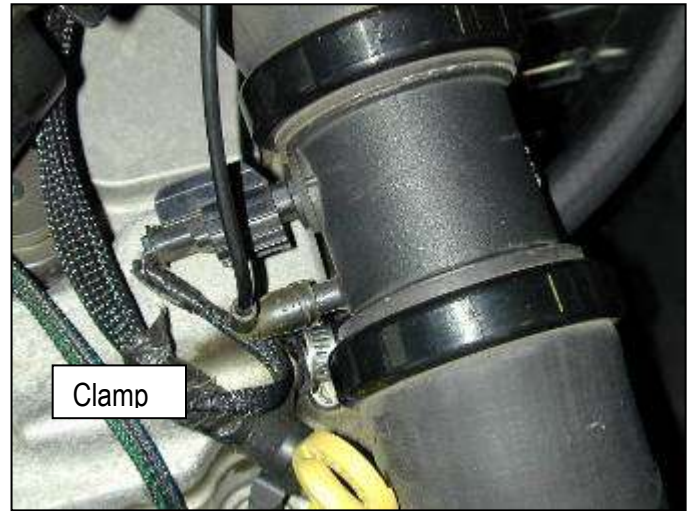
d. Assemble heat shield as shown using the rubber edge trim and sponge gasket. Install 6mm rubber mount using flat washer and nylok nut but do not tighten.



e. Install heat shield. Make sure this tab slides over the bolt between the washer and the bracket.



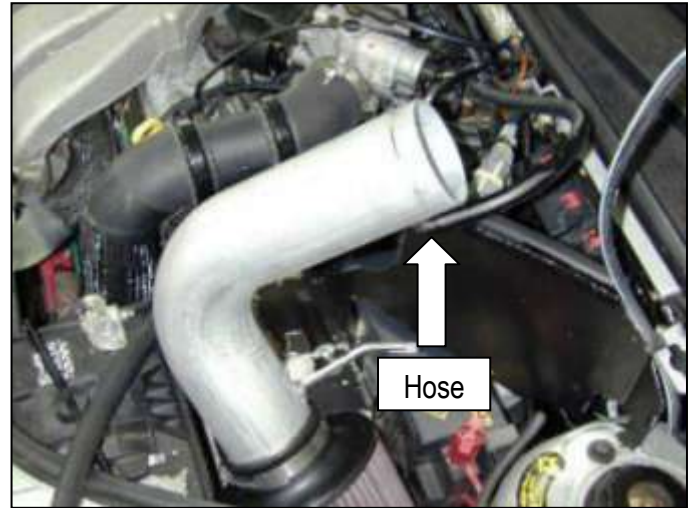
f. Reinstall bolt that was earlier removed. Place mounting tab over the stud in step 2h and tighten.



g. Install the 1/2" breather hose using the hose clamp supplied in the kit.



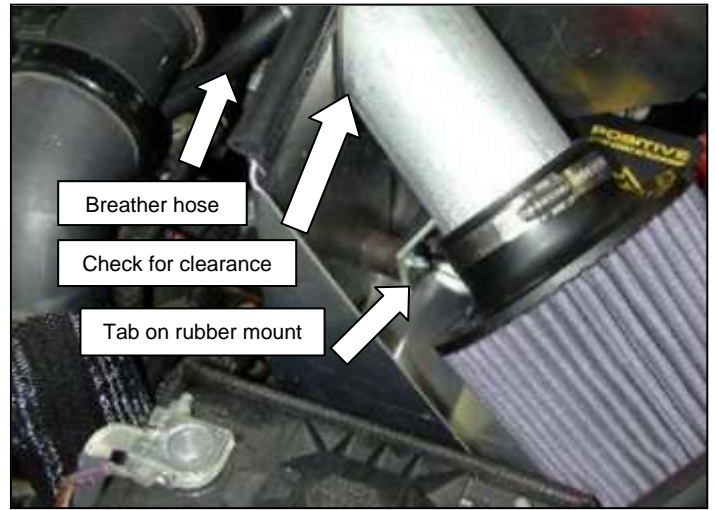
h. Assemble pipe as shown. Install filter to the end of the pipe with the bracket. Install grommet as shown.



i. Set pipe assembly into position as shown. Reinstall hose. Make sure not to push grommet through hole.



j. Place end of pipe over heat shield and into coupler at the turbo.



k. Slide the mounting tab from the pipe onto the 6mm rubber mount. Install other end of breather hose on to pipe nipple using the supplied clamp. There should be at least 1/2" clearance between the inlet pipe and the heat shield.



l. Adjustments to the assembly can be made by adjusting the intake bracket or by rotating the intake pipe in the coupler to get the proper fit. Make sure there is adequate clearance around the air filter. Make note of the hood prop and its position when lowered. Adjust the assembly so that the air filter does not contact the hood prop. Tighten all clamps and mounting tab hardware once proper fitment is achieved.



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.