



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

### PART NUMBER: 22-432

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2000-2005	MITSUBISHI	Eclipse	V6-3.0L	C.A.R.B. E.O. # D-670-2
2005	MITSUBISHI	Eclipse GT	V6-3.0L	C.A.R.B. E.O. # D-670-2
2003-2004	MITSUBISHI	Eclipse GT	V6-3.0L	C.A.R.B. E.O. # D-670-2
2001-2003	DODGE	Stratus	V6-3.0L	C.A.R.B. E.O. # D-670-2

Intake systems for vehicles listed are 50 state legal. See AEMIntakes.com for CARB status on each part for a specific vehicle.

## PARTS LIST

Description	Qty.	Part Number
Element Parts Kit 2.75 X 5" Dry Ele.	1	21-202DK
Short Pipe	1	2-4321
Adapter, MAF	1	2-606
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Elbow, 2.75-90 2.4"& .9"Legs	1	5-280-1
Bracket, Support MAF Eclipse, TB/PC	1	32-3000
Bolt, Socket M6-1 X 30mm	4	1-2020
Bolt, Hex M6 X 1.0 X 16mm	1	1-2030
Washer, 6mm Soft Mount	2	08160
Nut, M6 Hex Serrated	4	444.460.04
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
1/2" Bnd. Hose Clamp, 2.31-3.25"	3	9444
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 intercooler system, throttle body and engine.**

**The AEM<sup>®</sup> 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**

- 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. Disconnect the breather hose from the stock inlet piping and set aside as it will be used in the installation of the AEM<sup>®</sup> intake system.
- b. Remove the two hose clamps securing the stock inlet piping.
- c. Disconnect the air flow sensor wire harness.
- d. Disconnect and remove the stock inlet piping.
- e. Remove the two plastic hold downs on the air inlet funnel.
- f. Disconnect and remove the air inlet funnel from the stock air box.
- g. Remove the bolt holding the stock air box to the mounting bracket.
- h. Disconnect and remove the stock air box.
- i. Remove the two bolts securing the mounting bracket to the body.
- j. Remove the mounting bracket.
- k. Remove the 4 nuts holding the air flow sensor to the stock air box.
- l. Remove the air flow sensor and set aside as it will be used in the installation of the AEM<sup>®</sup> intake system.
  - i. **NOTE: Be careful with the air flow sensor as it can be damaged easily. Set the air flow meter aside in a safe place.**

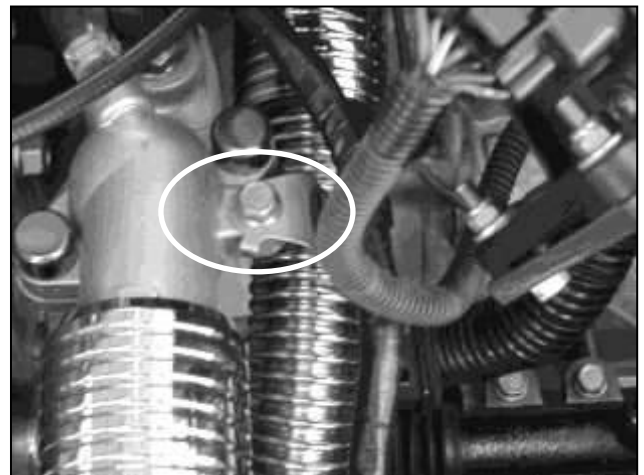
## **3. Installation of AEM<sup>®</sup> Intake System**

- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.
- b. Install the black rubber elbow on the throttle body. The short side of the rubber elbow towards the throttle body and the long side towards the front of the vehicle. Install a #44 hose clamp on the throttle body end of the rubber elbow and snug it down. **(Fig. 1)**
- c. Install the end of the inlet pipe closest to the breather nipple into the exposed end of the rubber elbow. Install a #44 hose clamp onto the inlet pipe end of the rubber elbow and snug it down.
- d. Install the black rubber reducer on the end of the exposed inlet pipe. The 2.75" towards the primary inlet pipe. Install a #44 hose clamp on the inlet pipe end of the rubber reducer and snug it down.
- e. Assemble the air flow sensor and the air flow adaptor together using the supplied four bolts and nuts.
  - i. Slide the side of the air flow adaptor with the cut out in the back of it over the air flow sensor.
  - ii. Install the four bolts from the air flow adaptor side and snug the nyloc nuts down on the air flow sensor side.

- f. Install the air flow sensor into the rubber reducer. Install a #52 hose clamp on the sensor side of the rubber reducer and snug it down.
- g. Installation of bracket.
  - i. Remove the bolt from the tab on the cylinder head. **(Fig. 2)**
  - ii. Install the supplied bracket from the air flow sensor to the threaded hole just exposed on the tab.
    - 1. The side of the bracket with the hole will be installed on the air flow sensor bottom bolt closest to the front of the vehicle. Snug the nyloc nut down.
    - 2. Remove the wire harness from the stock metal bracket that was removed.
    - 3. Place the new bracket over the threaded hole and use the supplied bolt and washer to secure it to the tab.
- h. Install the AEM<sup>®</sup> air filter on to the end of the MAF sensor adaptor. Push the air filter over the adaptor and then install one hose clamp to secure the air filter onto the adaptor. Tighten the hose clamp.
- i. Connect the breather hose that was disconnected in step 2a to the primary inlet pipe nipple. **(Fig. 1)**
- j. Connect the air flow sensor wire harness that was disconnected in step 2c to the air flow sensor.
- k. At this point the entire intake pipe and air filter can be adjusted for position and alignment. Make sure that no part of the AEM<sup>®</sup> intake pipe rubs anywhere along its length.



**Fig. 1**



**Fig. 2**

#### **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

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