



INSTALLATION INSTRUCTIONS

PART NUMBER:

21-426B (Blue Finish)

21-426P (Vacuum Metalized Chrome-VMC)

21-426R (Red Finish)

2003-2005 DODGE Neon SRT-4 L4-2.4L Turbo C.A.R.B. E.O. # D-670-15

Part Number 21-426 is an upgrade kit that is used to convert
22-425 into a cold [air intake system](#).

PARTS LIST

Description	Qty.	Part Number
Splash Shield	1	20-425
Lower Tube	1	2-557
Hose, Silicone 3.00 x 2" Black	1	5-302
Washer, 6mm Soft Mount	2	08160
Nut, M6 Hex Serrated	2	444.460.04
Bolt, Hex/Flange M6-1 x 20	2	1-2038
1/2" Bnd. Hose Clamp, 2.56" - 3.50"	2	9448
Rubber Edge Trim 15"	1	8-3015

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.

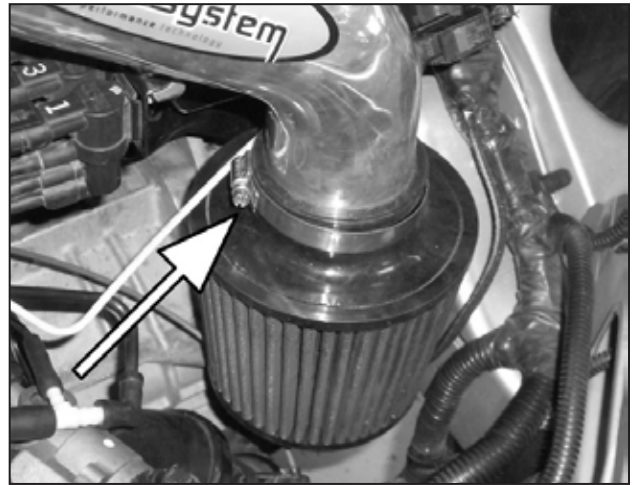
1. Preparing Vehicle

- 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. Raise the front of the vehicle with a jack. Refer to your owner's manual for proper jack and jack stand placement to properly support vehicle. Support your vehicle using properly rated jack stands before wheel removal or while working under the vehicle.
NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.
- i. Remove driver side wheel.
- f. Do not discard stock components after removal of the factory system.
- g. Disconnect vacuum line to the inlet tube.

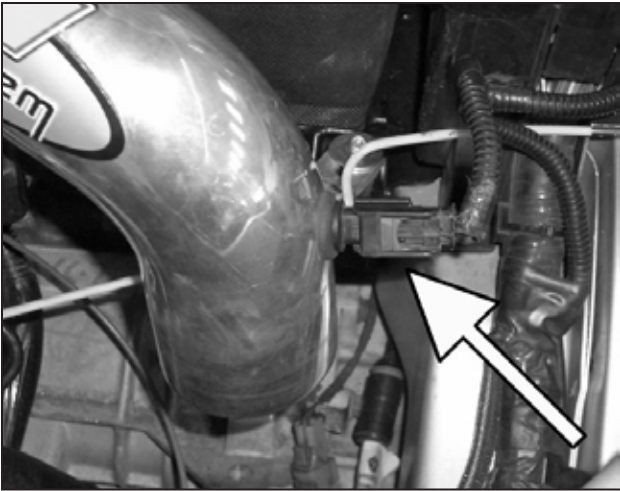
2. Removal of stock system



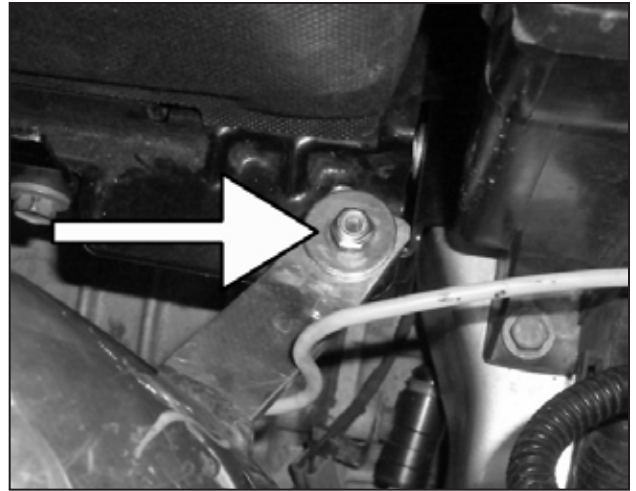
a. Dodge Neon SRT-4 with AEM® intake system (Part# 22-425) installed.



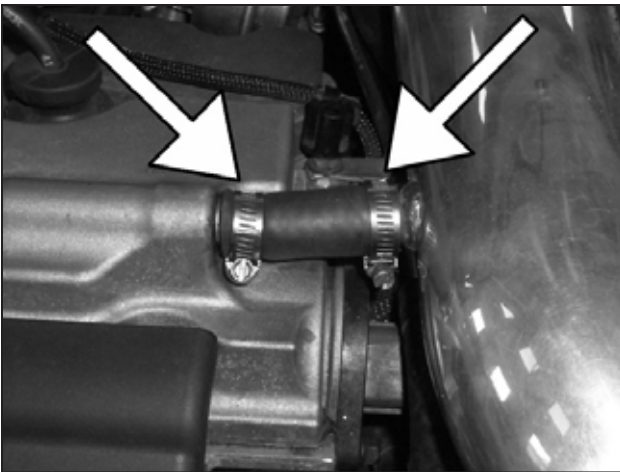
b. Loosen the hose clamp securing the air filter element to the intake tube; remove the air filter element.



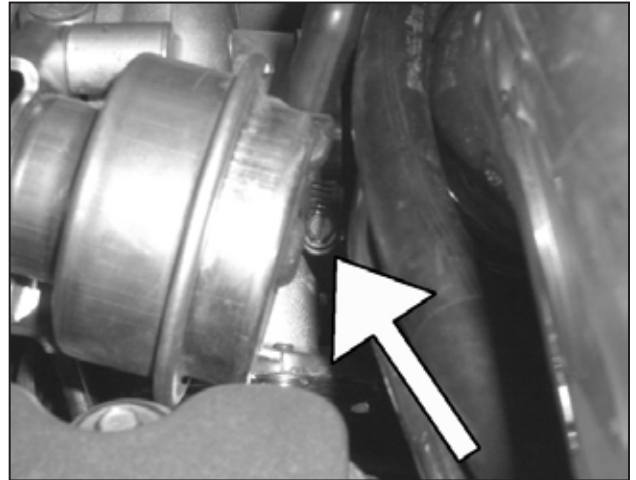
c. Remove the IAT sensor and grommet. The grommet will be reused in a later step during the installation section of the instructions.



d. Loosen the nylock nut so the intake tube can be removed.



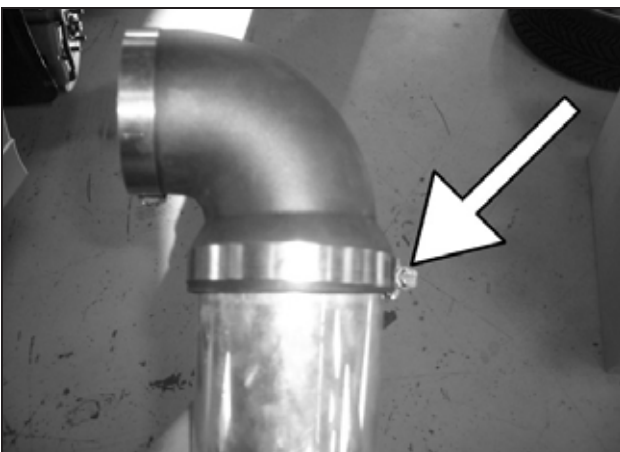
e. Loosen hose clamps securing the crank case breather hose to the valve cover and intake tube.



f. Loosen the hose clamp securing the intake assembly to the turbo; carefully remove the intake assembly from the vehicle.

3. Installation of AEM® Intake System

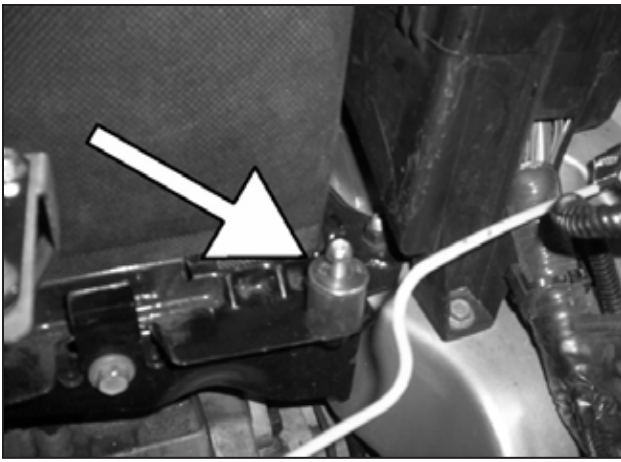
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



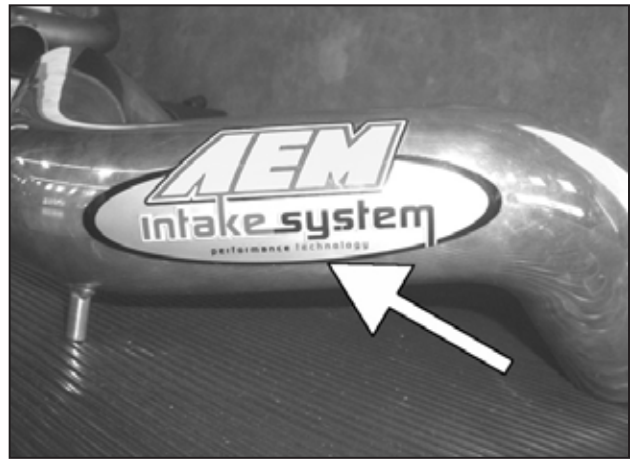
b. Loosen the hose clamp securing the coupler to the intake tube.



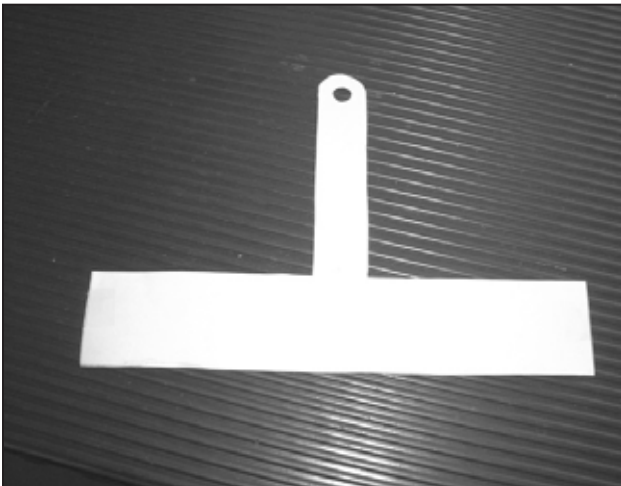
c. Retain the vacuum assembly bracket.



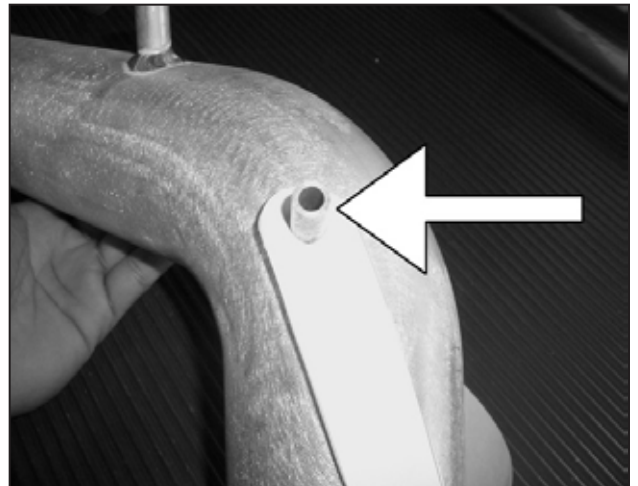
d. Retain rubber mount, nylock nut, and washer.



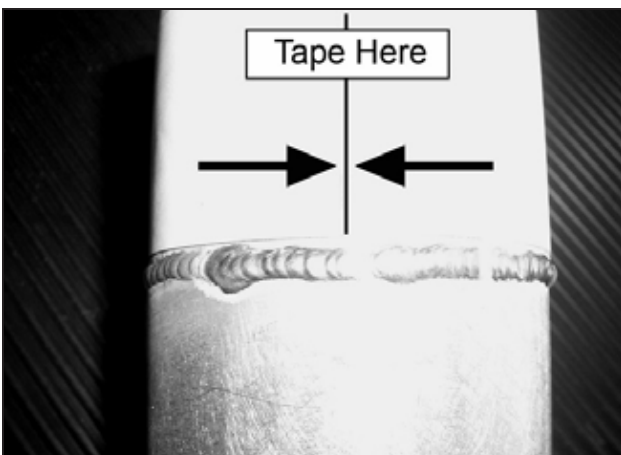
e. Remove the AEM® intake system badge. Remove all adhesive from the intake tube. The badge is metal so use caution with the sharp edges of the decal.



f. Cut out the template to trim the intake tube. You will still be able to convert your intake system into a short ram configuration. See page 12 for the cut out template.



g. Attach the template to the 3/8" nipple, this is the nipple closest to the bracket. The template will NOT fit over the 1/2" nipple.



h. On the opposite side of the intake tube, tape the edges of the template together. The two sides should align for a perfect cut.



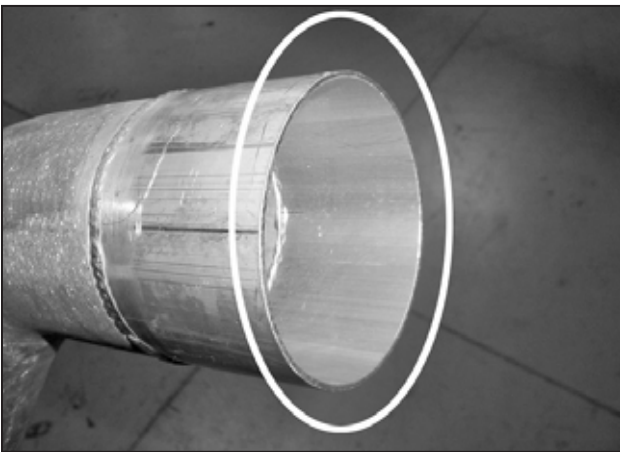
i. With the backside taped the front should look like this.



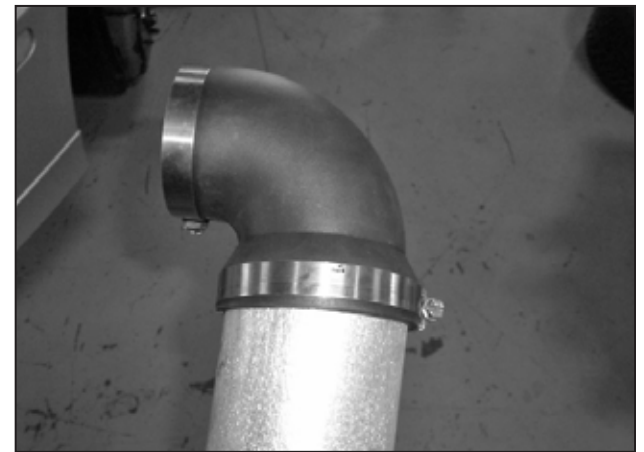
j. Saw the intake tube at the edge of the template.



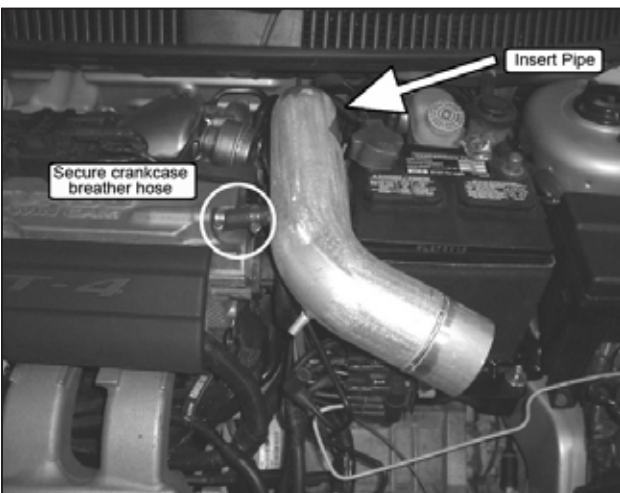
k. Once the intake tube is properly cut, it should look like this.



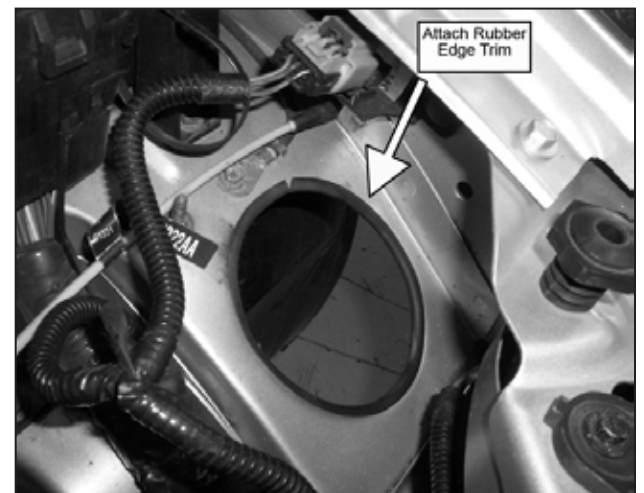
l. Remove any burrs and sharp edges from the newly cut intake tube.



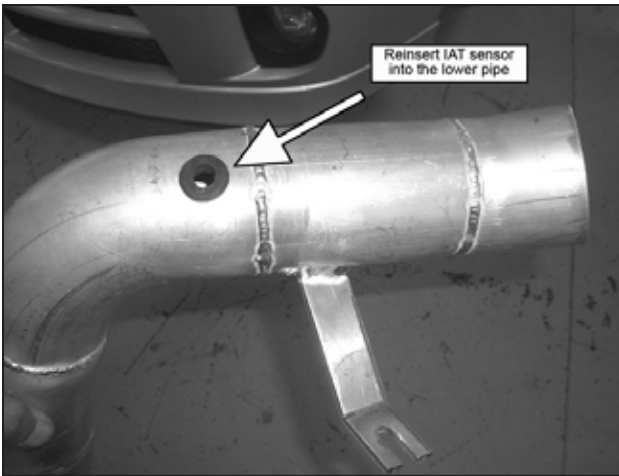
m. Attach the coupler onto the intake tube as shown.



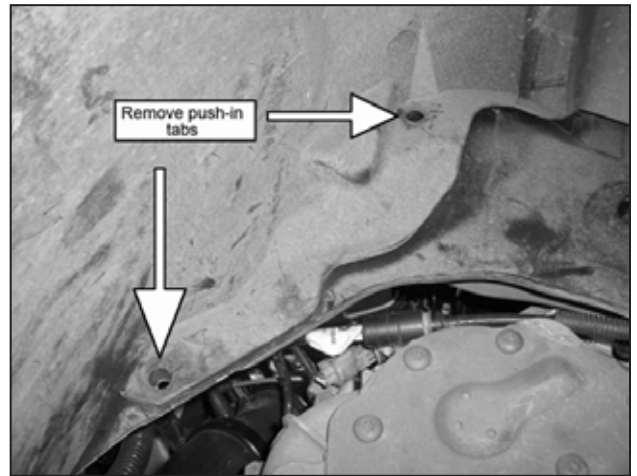
n. Install the intake tube and position as shown. Secure the crank case breather hose to the intake tube.



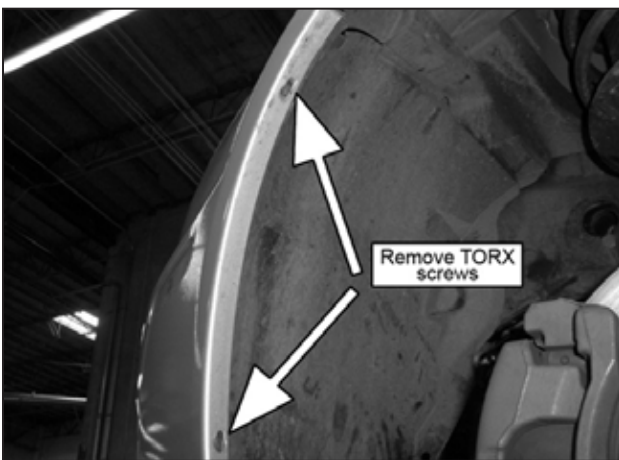
o. Line the fender well cavity with the provided rubber edge trim; adhesive may be necessary.



p. Insert the grommet into the lower intake tube's hole as shown.



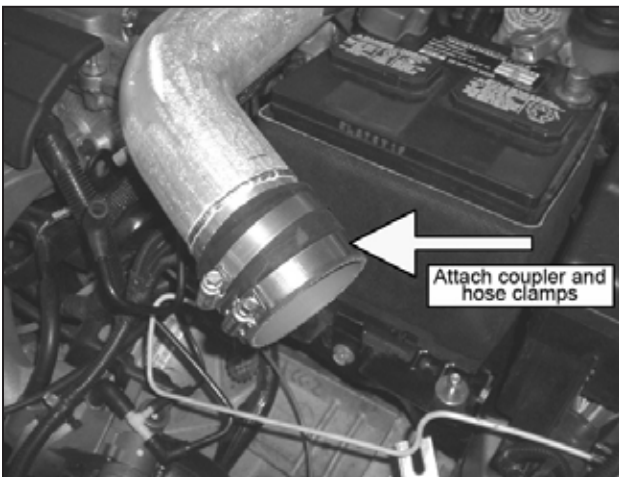
q. Remove the push in tabs from the fender liner. Do not throw away the tabs; they will be reused in a later step.



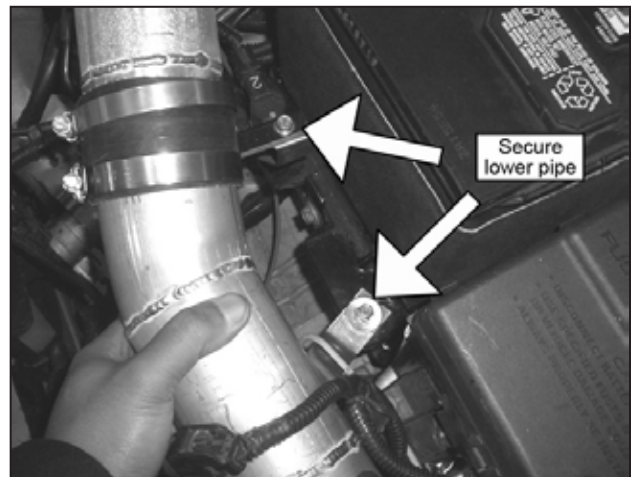
r. Remove the two TORX screws (T20) from the fender liner.



s. Insert the lower intake tube into the fender well cavity as shown.



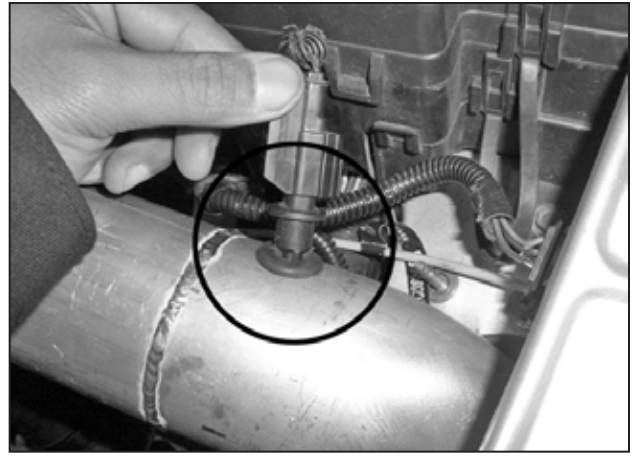
t. Attach the coupler and hose clamps to the upper intake tube as shown.



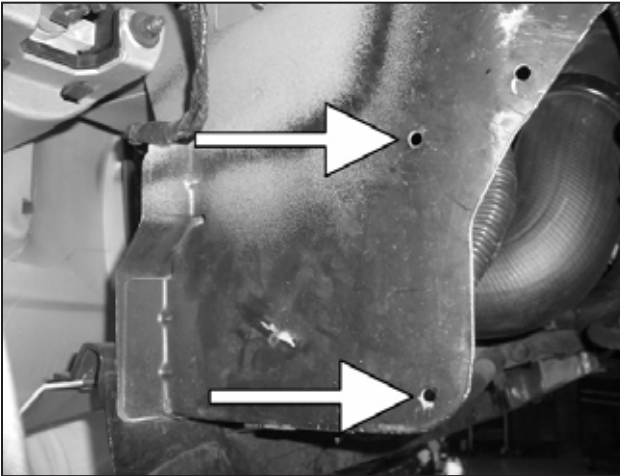
u. Insert the lower intake tube into the coupler of the upper intake tube and align the bracket with the rubber mount. Ensure the lower intake tube is centered in the fender well cavity and does not contact the vehicle's frame.



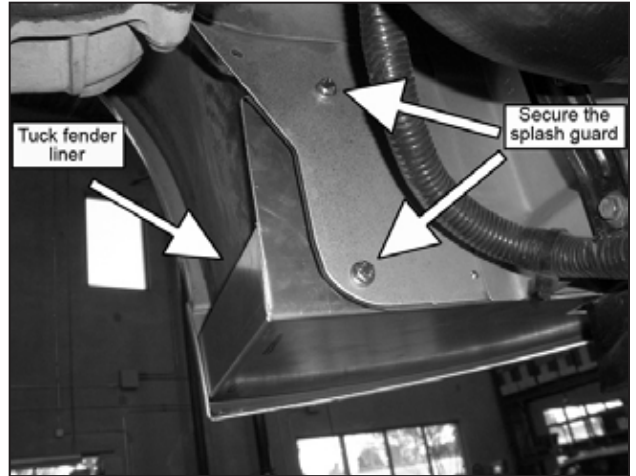
v. Attach the AEM air filter element and secure to the lower intake tube.



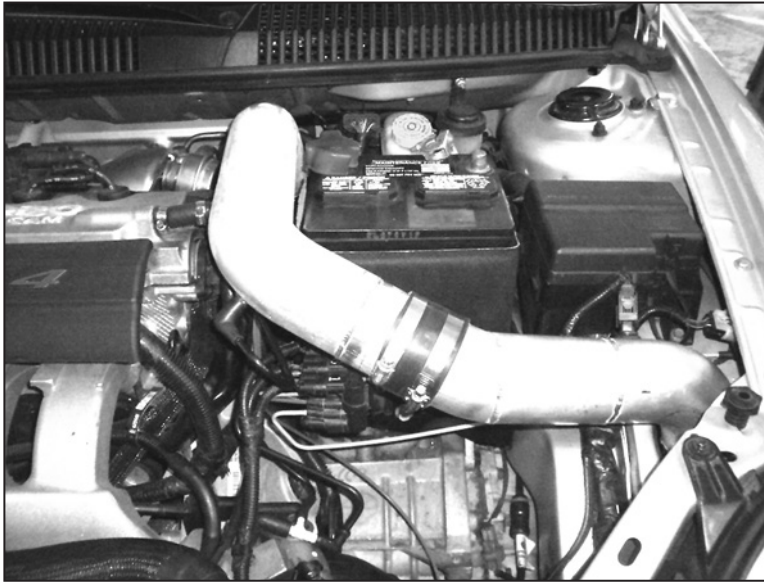
w. Insert the IAT sensor into the rubber grommet that was installed in step 3p.



x. Locate the two mounting holes on the inner fender.



y. Secure the splashguard with flange bolts, washers and nylock nuts. The fender liner will tuck inside the splashguard as shown.



z. Adjust the intake pipes for best fitment, ensuring the intake tubes and air filter element have sufficient clearance. Ensure that the air filter does not make contact with the fender liner or the fog light harness, if applicable. Reattach the vacuum line to the intake tube.

4. Reassemble Vehicle

- a. **Fender liner:** Install the fender liner and any hardware that was removed in steps 3q through 3r.
NOTE: Failure to install the fender liner will result in diminished performance and increase the potential for engine damage due to water ingestion in rainy conditions.
- b. **Wheel:** Install the driver side wheel using the factory torque specification (see owner's manual).
- c. 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.
- d. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- e. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- f. Reconnect negative battery terminal 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. AEM Induction Systems requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean, purchase our Synthetic air filter cleaner, part number 99-0624 and follow the easy instructions.
- b. Use window cleaner to clean your powder coated AEM® intake tube.
NOTE: DO NOT USE aluminum polish on powder coated AEM® intake tubes.



Template for 2-4251

