



COLD AIR INTAKE SYSTEM

Installation Instructions for:
Part Number 21-507
2002-2005 Acura RSX AT
Inline 4, Automatic Transmission

ADVANCED ENGINE MANAGEMENT INC.
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Instruction Part Number: 10-7044
2002-2004 Acura RSX AT C.A.R.B. E.O. #D-392-20
2005 Acura RSX AT C.A.R.B. E.O. #Pending
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Congratulations! You have just purchased the finest Air Induction & Filtration system for your car at any price!

The **AEM** Cold Air System is the result of extensive development on a wide variety of cars. Each system is engineered for the particular application. The **AEM** Cold Air System differs from all others in several ways. We take the inlet air from outside of the engine compartment where the inlet air is considerably cooler than the hot under hood air. The cooler inlet air temperature translates to more power during the combustion process because cool air is denser than warm air. **AEM** has conducted extensive inlet air temperature studies and we have seen temperature reductions of up to 50 degrees by pulling air from outside of the engine compartment. The air mass flow to the engine is increased because of the increased airflow *and* reduced inlet temperature, which translates to more power. The **AEM** Cold Air Systems are **50 states Street Legal** (some model and years still pending) and come with complete instructions for ease of installation.

Our system is constructed of lightweight aluminum and then painted with a zirconia based powder coat for superior heat insulating characteristics. The aluminum will not crack in extended use like plastic and it is actually lighter than plastic. The tube diameter and length are matched for each engine to give power over a broad rpm range. Unlike the plastic systems that use a continually diverging cross section, we take advantage of the acoustical energy in the duct to promote cylinder filling during the intake valve-opening event.

Bill of Materials for: 21-507

Quantity	Part Number	Description
1	21-202	AIR FILTER ASMBLY 2.75 5" SHRT
1	9-506	AEM RSX RPLCMNT WSHR BTL
1	2-574	INLET PIPE,RSX AT WB
3	1-2002	BOLT,HEX M6 X 1 X 35MM
3	1-3018	WASHER,FLAT M6X12
1	1228560	MOUNT,RUBBER 1" X 8MM
1	559960	WASHER,8MM SOFT MOUNT
1	444.460.08	NUT,NYLOK 8MM
3	1-113	ZIP TIE,6 LONG
1	2-125	SPACER, .625 OD X .295 ID X .185"
1	10-922EV	EMBLEM,CAS/SRS VINYL
1	1228598	MOUNT,RUBBER 5/8" X 6MM
1	559999	WASHER,6MM SOFT MOUNT
1	444.460.04	NUT,NYLOK 6MM
2	103-BLO-4420	HOSE CLAMP,2.75"
2	4093-5	HOSE CLAMP,3/4"
2	4093-8	HOSE CLAMP, 1 1/4"
1	30217-3	ELBOW,RUBBER 2.75 X 90 DEG MODIFIED
20.5"	65002	HOSE,3/4ID
12.25"	65128	HOSE 3/8ID
2	10-922S	DECAL,AEM LARGE SILVER
1	10-400W	LIC PLATE FRAME,WHITE
1	10-7044	INSTRUCTIONS RSX TYPE S

Read and understand these instructions **BEFORE** attempting to install this product.

1) Getting started

- a) Make sure vehicle is parked on a level surface.
- b) Set parking brake.
- c) **Disconnect both battery terminals.**
- d) If engine has run within the past two hours let it cool down.
- e) Chock rear wheels, jack up front of vehicle and place on properly rated jack stands.
- f) Remove front left wheel and fender liner.

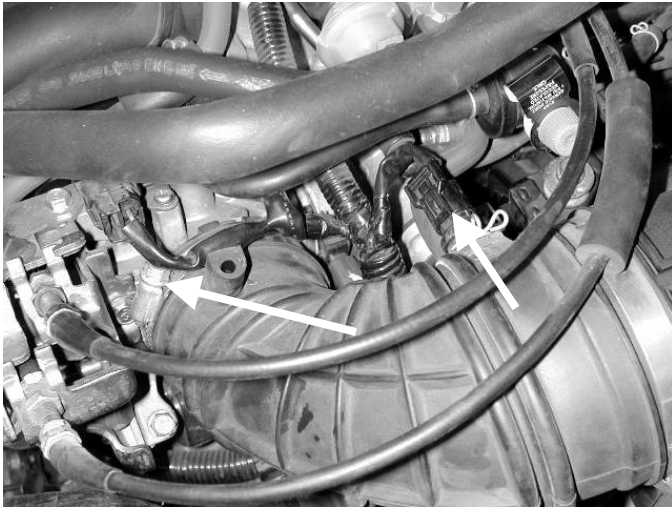
2) Removing the stock air inlet system



a) Stock intake system.



b) Remove the two bolts that secure the engine cover. Remove the engine cover.



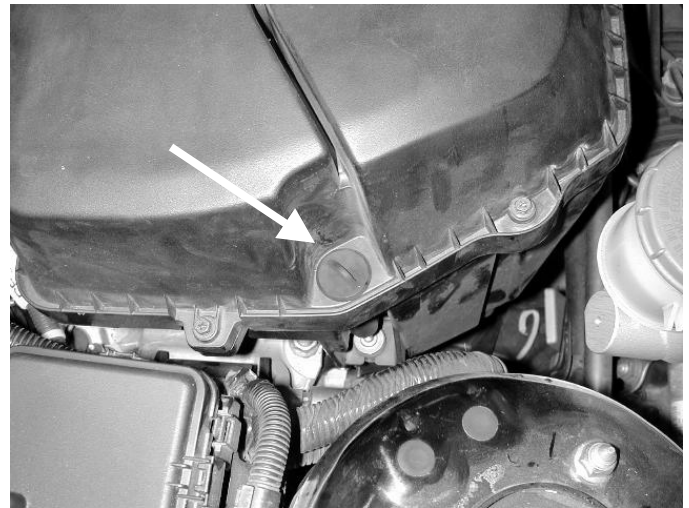
c) Pinch the clamp at the inlet air temperature (IAT) sensor and pull the sensor from the inlet pipe. Loosen the hose clamp at the throttle body.



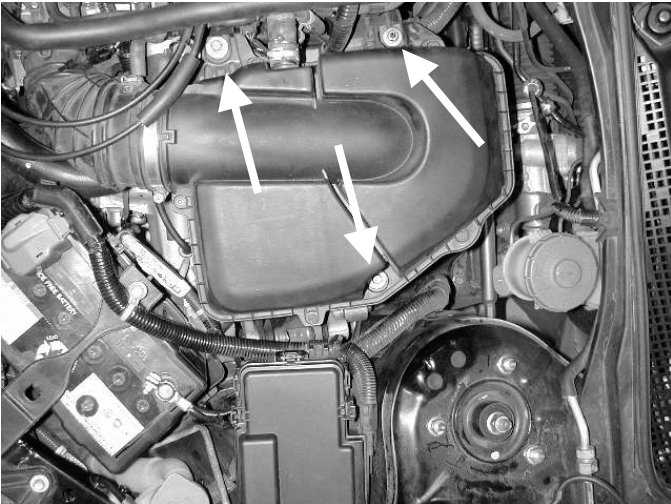
d) Pinch the clamp that secures the crankcase breather hose and pull the hose from the nipple.



e) Pinch the clamp at the evaporative valve and pull the hose from the valve.



f) Pull the rubber plug from the air box.



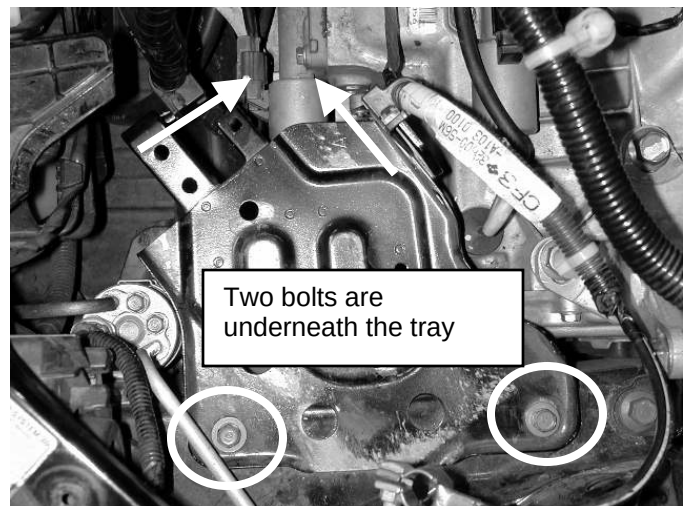
g) Loosen the three bolts that secure the air box.



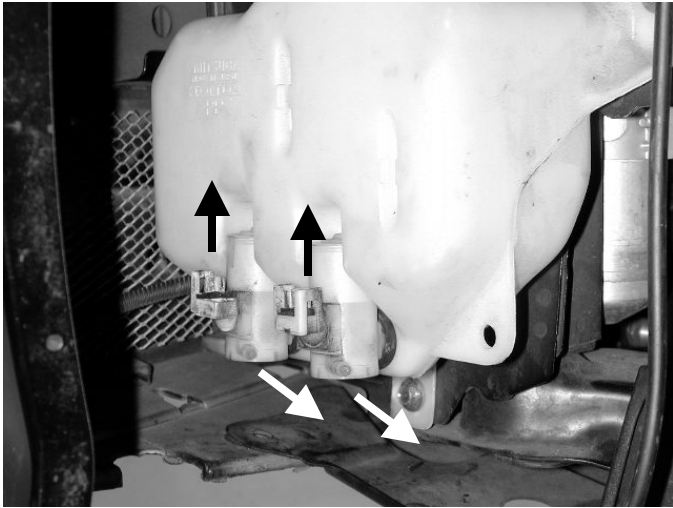
h) Remove the bolt at the air intake snorkel. Remove the stock air box from the vehicle.



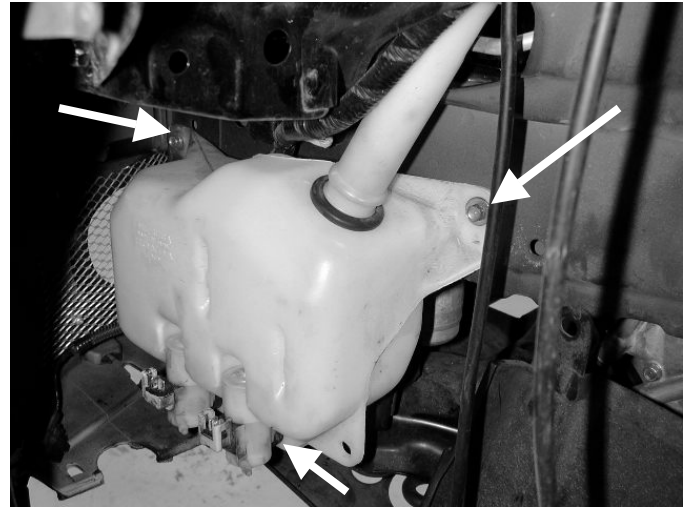
i) Remove the battery hold down bracket. Remove the battery.



j) Loosen the four bolts securing the battery tray and remove the tray from the vehicle. Release the two connectors from the tray.

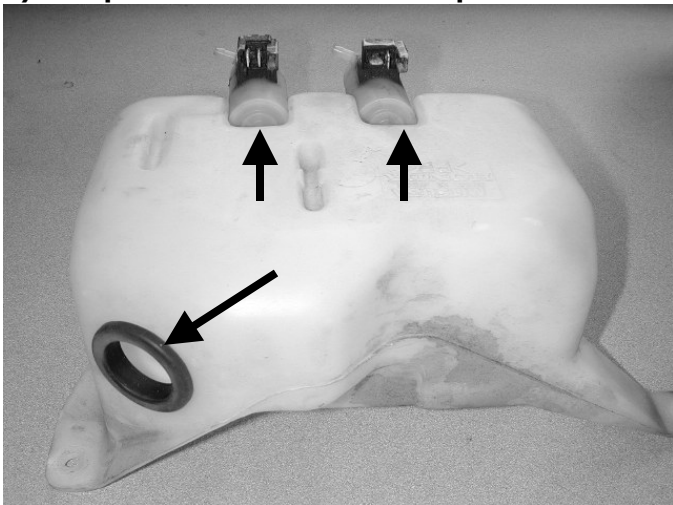


k) Disconnect the washer pump connectors. Release the washer hoses and catch the washer fluid in a suitable container.



l) Loosen the three bolts and remove the stock washer bottle.

3) Preparation of the *AEM* Replacement Washer Bottle.



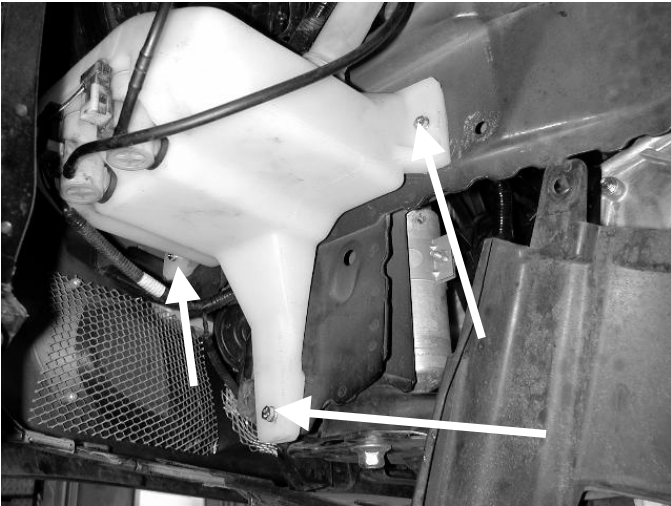
a) Remove the two washer pumps and the three grommets installed in the factory bottle.



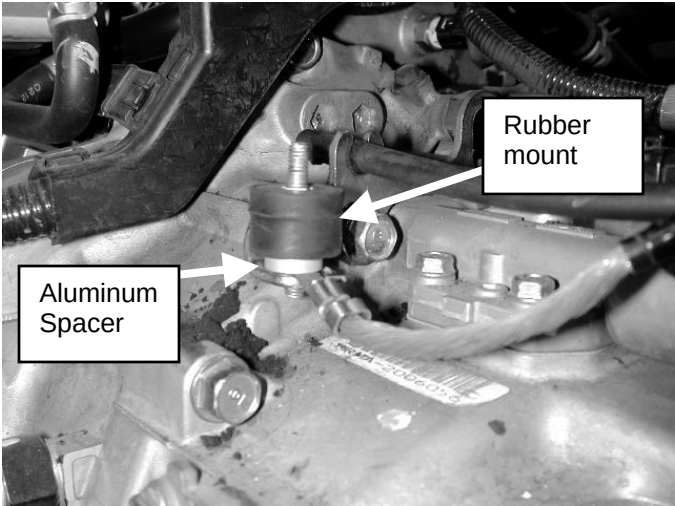
b) Install the grommets and pumps into the AEM replacement washer bottle.

4) Installation of the *AEM* Cold Air Intake System

When installing the Cold Air Intake System, DO NOT completely tighten the hose clamps or mounting tab hardware until instructed to do so later in these instructions.



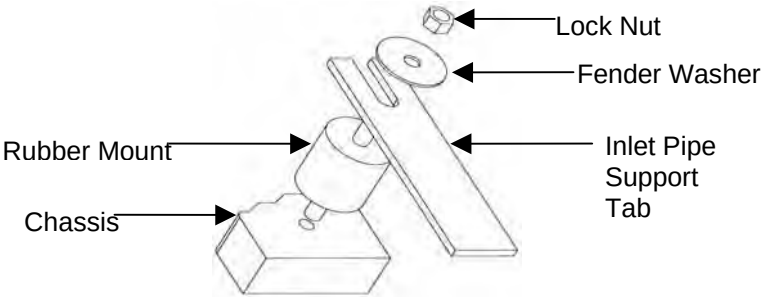
a) Install the AEM washer bottle as shown, utilizing the supplied bolts and washers. Reconnect the washer plugs and hoses. Install the filler neck into the top hole.



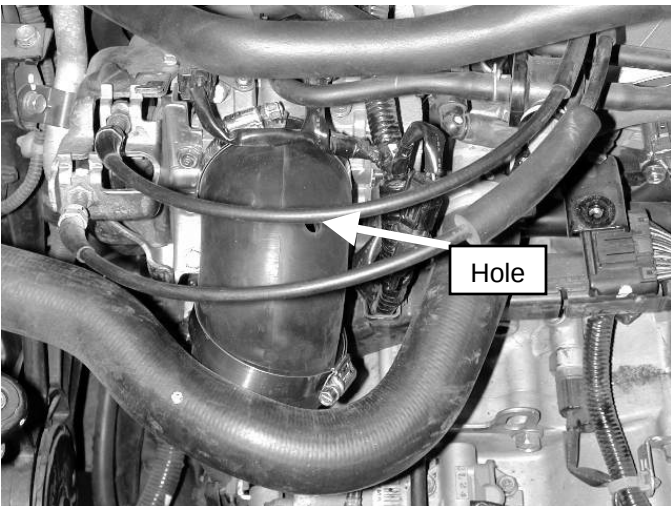
b) Remove the bolt securing the grounding wire to the transmission. Install the 5/8" rubber mount in conjunction with the supplied aluminum spacer as shown.



c) Replace the forward of the two lower battery tray bolts with the supplied 1" rubber mount. Do not completely tighten the mount or rear bolt.



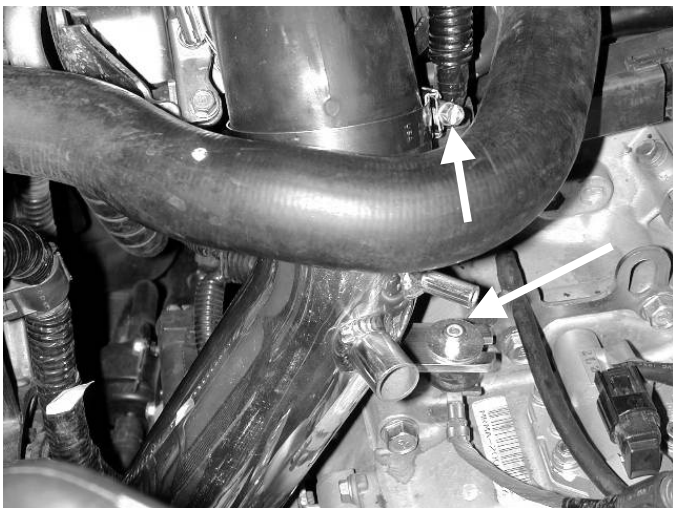
d) Proper rubber mount installation.



e) Install the supplied rubber elbow and hose clamps onto the throttle body. Do not tighten the hose clamps.



f) Route inlet pipe into the engine bay from the fender towards the throttle body.



g) Insert the inlet pipe into the rubber elbow. Install the washer and lock nut onto the rubber mount.



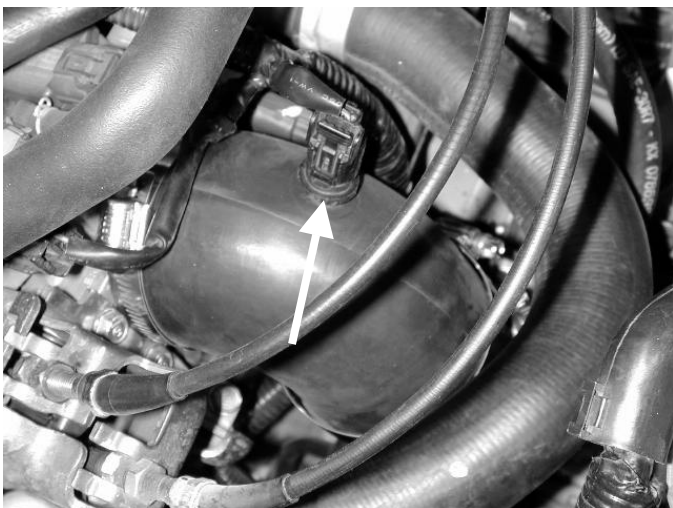
h) Place the lower support tab onto the lower rubber mount. Do not tighten the lock nuts at either mount.



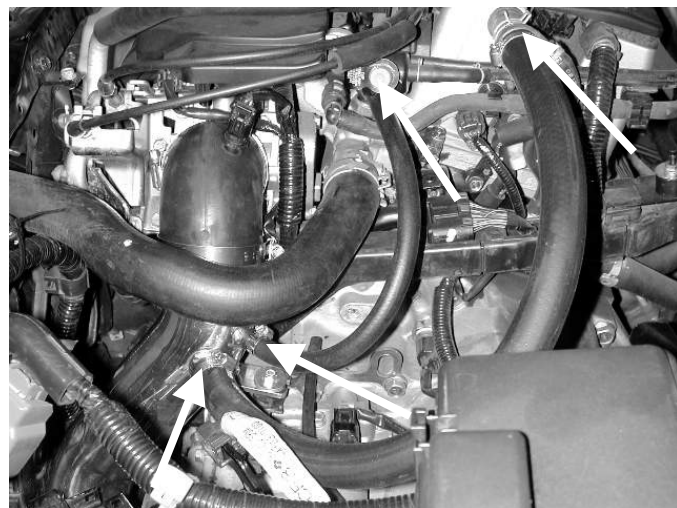
i) Reinstall the battery tray.



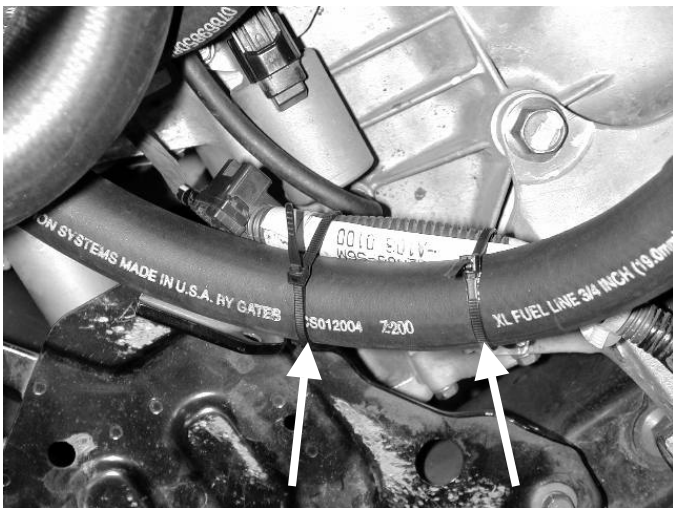
j) Use the supplied zip tie to secure the positive battery lead to snorkel support. Confirm that it clears the intake.



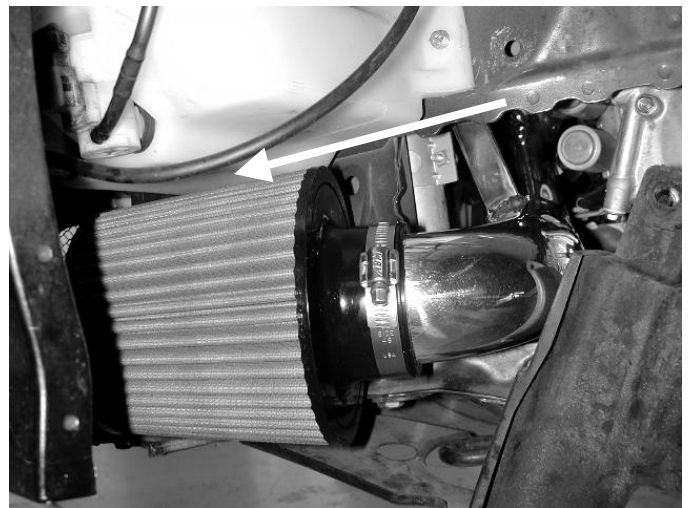
k) Insert the IAT sensor into the hole in the rubber elbow.



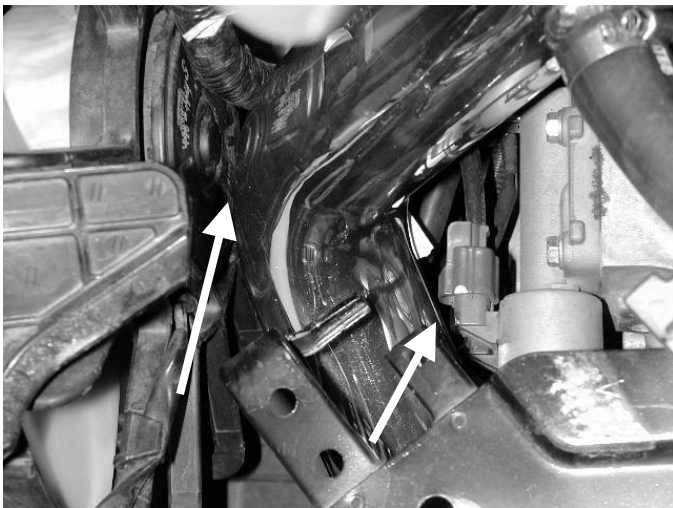
l) Using the supplied hoses and hose clamps, connect the evaporative valve and the crankcase breather port to the inlet pipe.



m) Secure the ground wire to the crankcase breather hose with two of the supplied zip ties.



n) Install the air filter onto the end of the inlet pipe. Confirm that there is adequate clearance between the filter and the washer bottle.



o) Check the clearance between the inlet pipe, the radiator fan and the electrical connectors on the transmission. Adjust as necessary.



p) Place AEM emblem and CARB sticker on radiator support as shown.



q) Reinstall the battery and engine cover. AEM Cold Air Intake System installed.

5) Reassemble the vehicle

- Refill washer bottle.
- Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- Position the pipe so that it does not touch any other surface and tighten the hose clamps and lock nuts.
- Reconnect battery terminals.
- Reinstall wheel and fender liner.
- Torque lug nuts to 85 lb-ft.
- Start engine and perform a final inspection before driving the vehicle.

For Technical Inquiries
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