



COLD AIR INTAKE SYSTEM

Installation Instructions for:
Part Number 21-510
2003-2005 Honda Accord
V6

ADVANCED ENGINE MANAGEMENT INC.
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Instruction Part Number: 10-7003
2003 Honda Accord V6 C.A.R.B. E.O # D-392-21
2004 Honda Accord V6 C.A.R.B. E.O. # D-392-24
2005 Honda Accord V6 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: 21-510

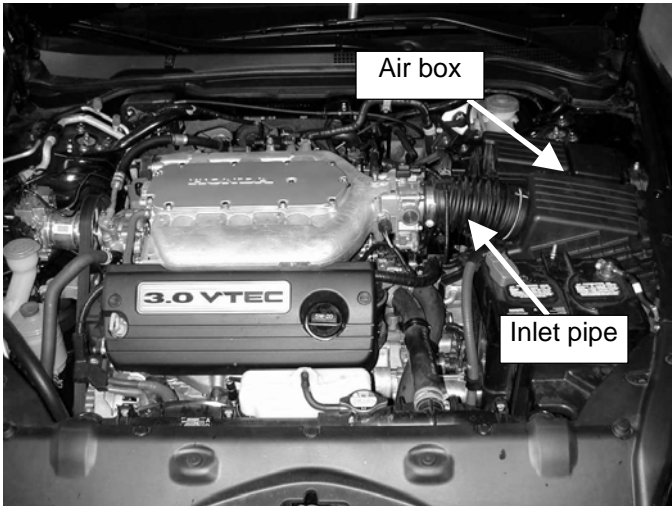
Quantity	Part Number	Description
1	2-538*	Inlet Pipe
1	21-203	Air Filter Asmbly 3.00 5" & Clamp
1	1228599	Mount, Rubber 1" X 6MM
2	444.460.04	Nut, Nylok 6MM
2	559999	Washer, Flat M6X25
1	5-300	Hose, Silicone 3.00X3" AEM BLK
2	103-BLO-4820	Hose Clamp,2.56-3.50"
20	516-006	Hose,5/16ID
20	65116	Hose,1/2ID
2	99024.032	Hose Clamp, 1"
2	4093-5	Hose Clamp, 3/4"
3	1-113	Zip Tie,6" Long
2	10-922S	AEM Silver Decal
1	10-400W	White License Plate Frame

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

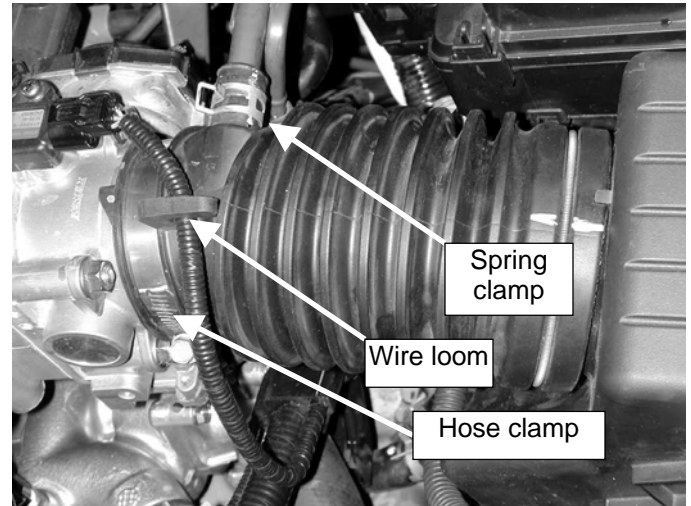
1) Getting started

- 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) Drain engine coolant from radiator, DO NOT let coolant drain onto the ground, catch in proper container.

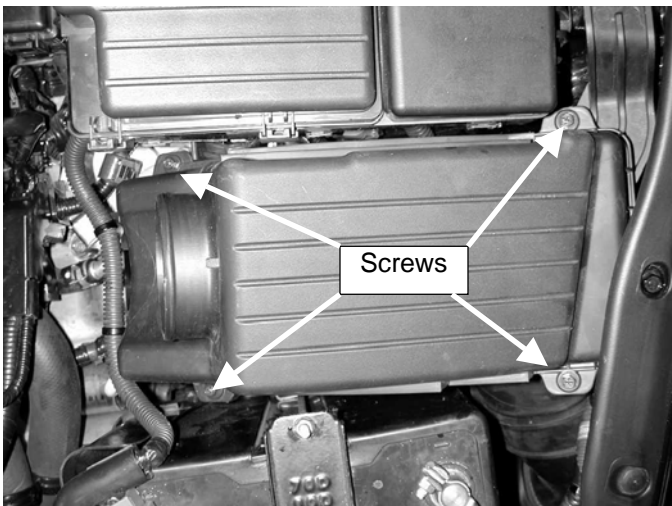
2) Removing the stock air inlet system



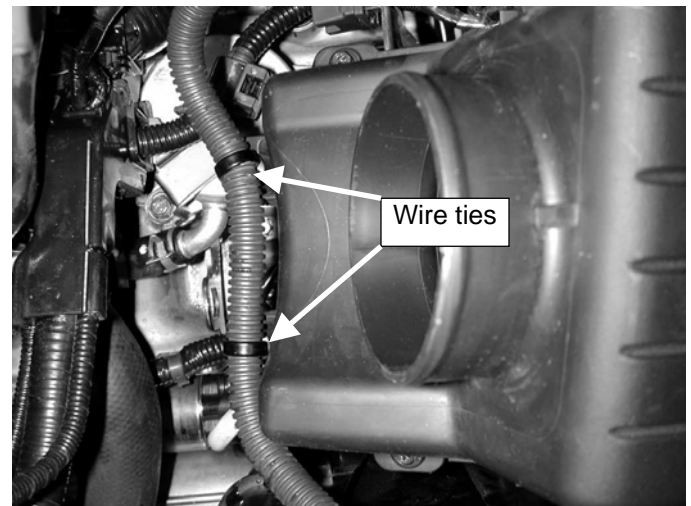
a) Stock intake system.



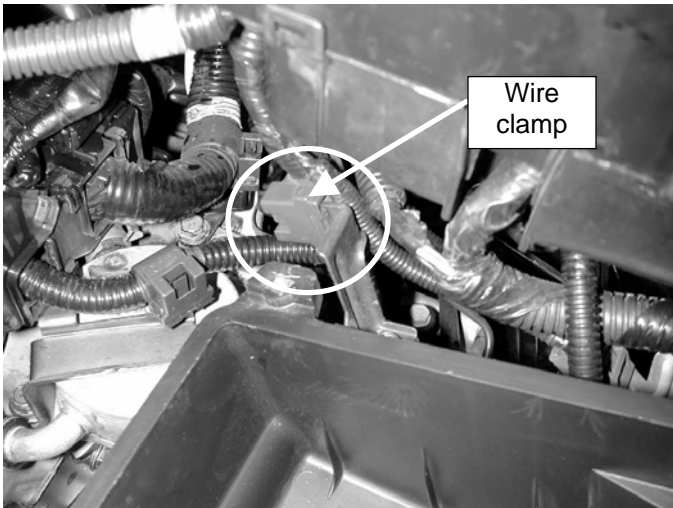
b) Remove inlet pipe by first loosening the hose clamp, removing the spring hose clamp and releasing the wire loom from the clip. Pull the breather pipe out of the inlet pipe and pull inlet pipe off of the air box.



c) Loosen the four screws that hold down the upper air box.



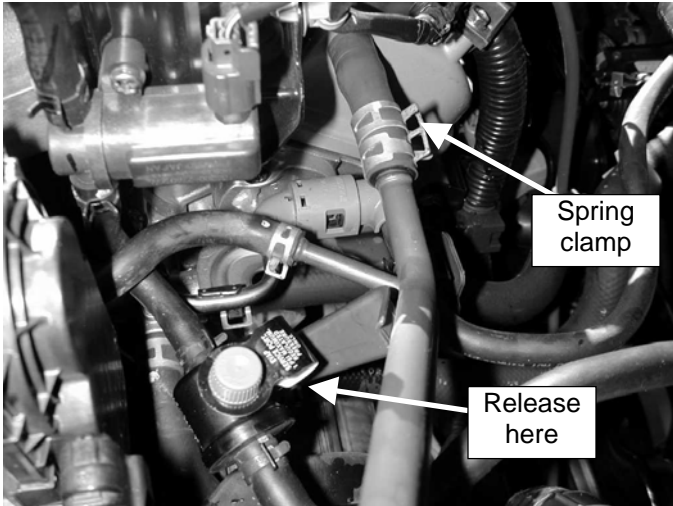
d) Carefully lift the upper air box. Pinch the bottoms of the wire ties with pliers and remove them from the upper air box. Completely remove the upper air box and air filter from the vehicle.



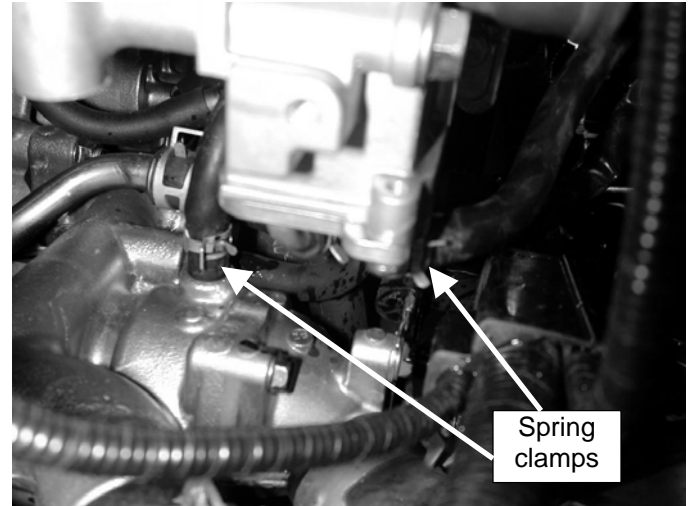
e) Remove wire clamp from the lower air box bracket.



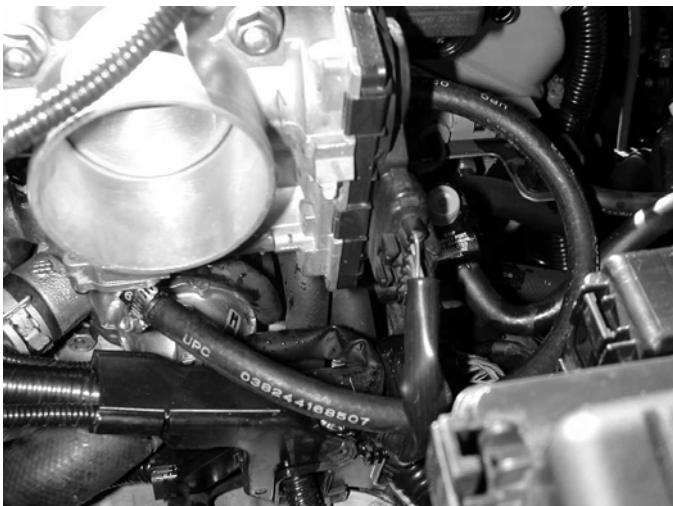
f) Remove the two bolts that hold the lower air box to the chassis. Remove lower air box.



g) Release the spring clamp on the breather hose attached to the valve cover. Pull hose off valve cover. Release the clip that holds the vacuum hose to the breather hose.



h) Release the two spring clamps on the coolant feed hose attached between the throttle body and coolant source. Confirm that the engine is cool and pull both ends of the hose off of their respective nipples. Coolant may spill out.

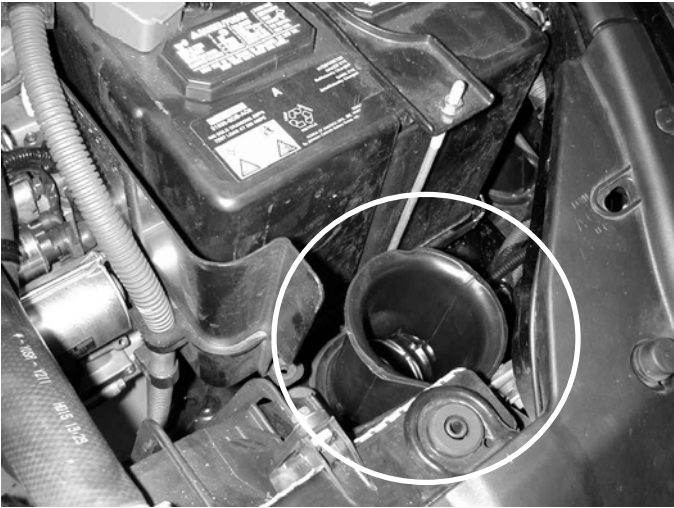


i) Remove the stock breather/coolant hose system. Route supplied 5/16" ID hose as shown. Secure hose to both coolant nipples with supplied 3/4" hose clamps.

3



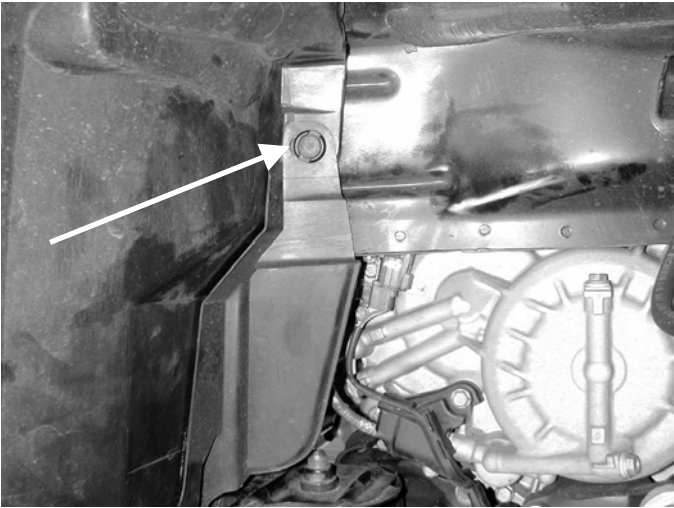
j) Remove plastic cover by first removing the two plastic clips.



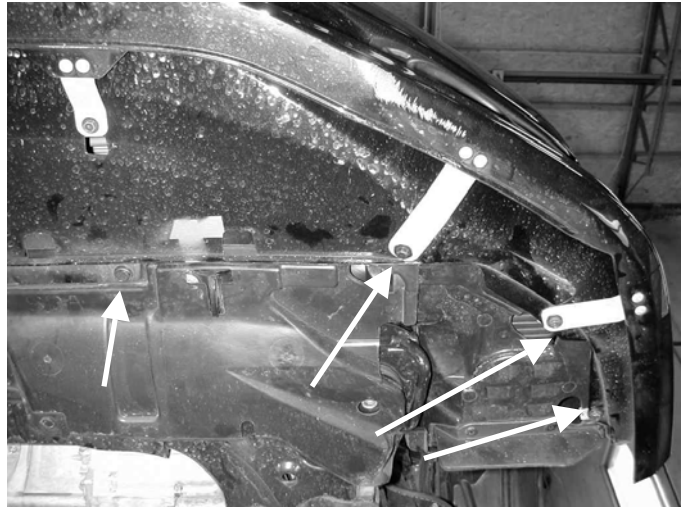
k) Remove plastic air horn, if equipped, by pulling up.



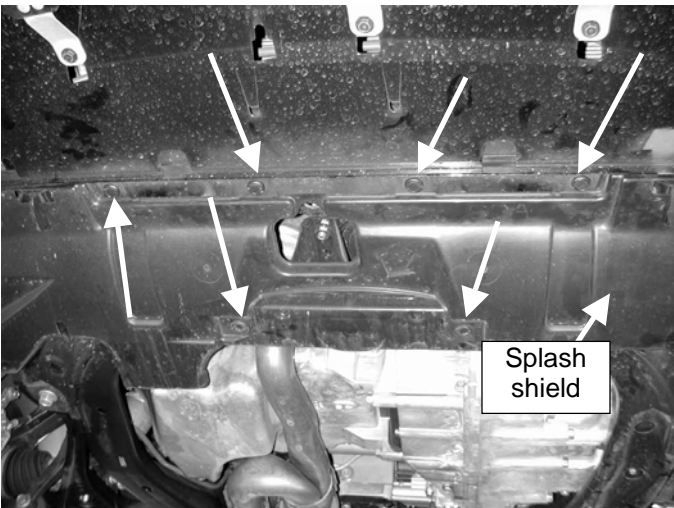
l) Remove front left wheel.



m) Remove plastic clip.



n) Remove plastic clips and bolts.



o) Remove plastic clips. Pull lower splash shield away from vehicle.



p) Place fender liner as shown.



q) On manual transmission equipped cars: the stock resonator looks like the one pictured above. Remove the two mounting bolts holding it in place and the mounting bracket attached to the frame. See step 3.



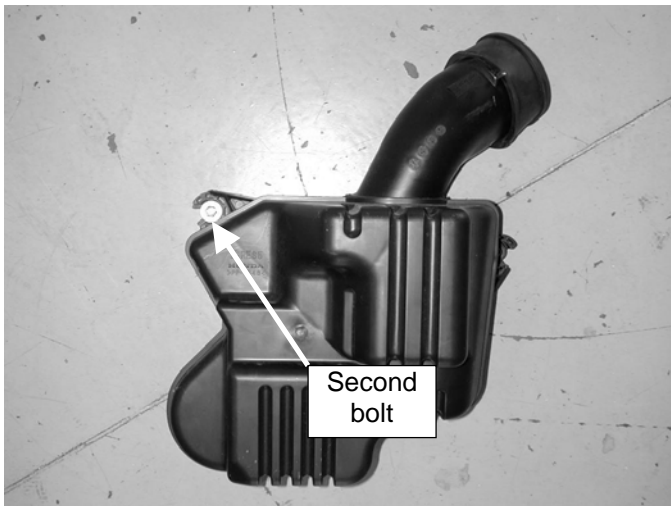
r) Cars with automatic transmissions: Loosen and remove resonator bolt.



s) Pull plastic inlet pipe from air box, remove it from the vehicle.



t) Remove bolt.



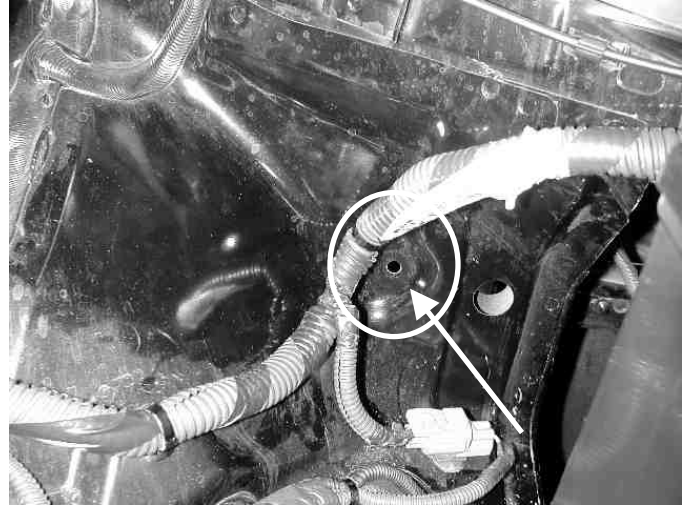
u) Remove second bolt and remove resonator from vehicle.

3) Installation of the AEM Cold Air Intake System

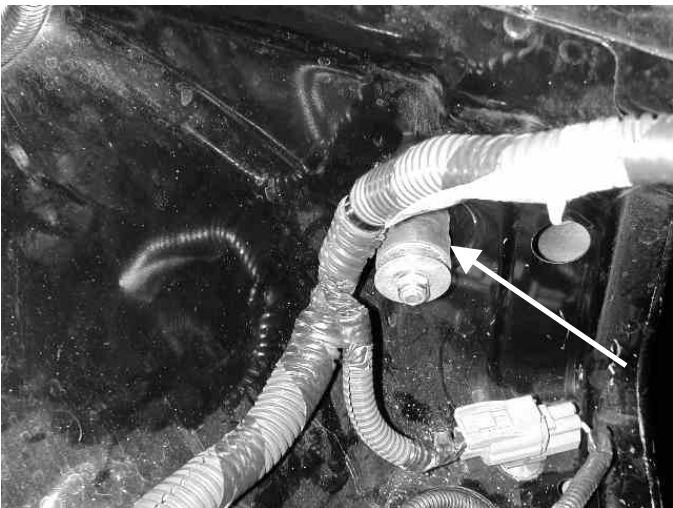
When installing the Cold Air Intake System, DO NOT completely tighten the hose clamps or mounting tab hardware until instructed to do so later in these instructions.



a) Install coupler onto throttle body, utilizing the supplied hose clamps.



b) Release wire loom from the hole in the fender.



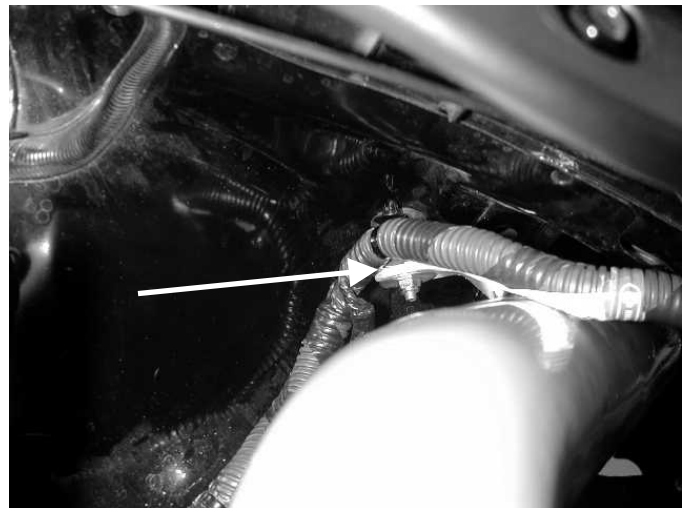
c) Insert rubber mount stud through the hole.



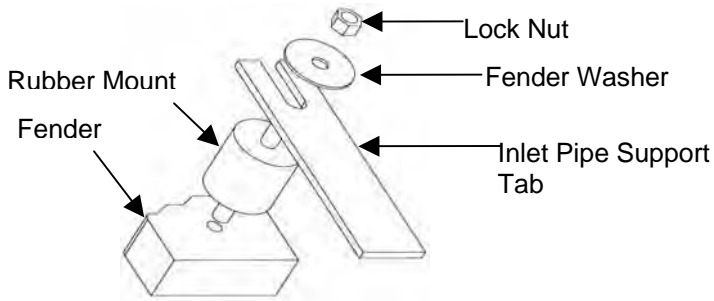
d) Secure the rubber mount stud inside the fender well with the supplied washer and lock nut.



e) Place pipe into the engine bay as shown.



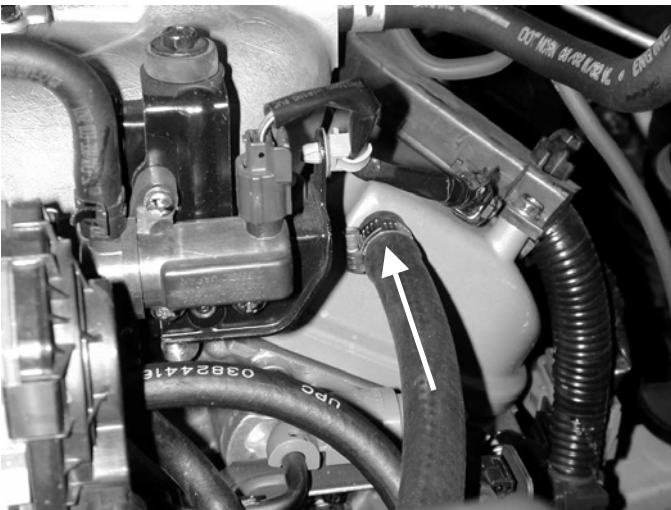
f) Place pipe support bracket behind the washer on the rubber mount as shown.



g) Position support tab as shown.



h) Install air filter onto the end of the pipe.



i) Install ½" ID hose over breather nipple on valve cover. Secure it with a supplied 1" hose clamp.



j) Attach other end of breather hose onto nipple on inlet pipe. Secure it with a supplied 1" hose clamp. Do not tighten hose clamps.



k) AEM Cold Air System installed.

4) Reassemble the vehicle

- a) Use supplied zip ties to secure any wires that may touch the AEM Cold Air Intake System.
- b) Refill radiator.
- c) Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened, including the wheel and fender liner.
- d) Position the pipes so that they do not touch any other surfaces and tighten hose clamps.
- e) Reconnect battery terminals.
- f) Start engine and perform a final inspection before driving the vehicle.

**For Technical Inquiries
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