



COLD AIR INSTAKE SYSTEM

Installation Instructions for:
Part Number 21-511
2003-2004 Honda Accord 4-Cyl. 2.4L
Excluding LX-P model

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Instructions Part Number: 10-7006
2003 Honda Accord 2.4L K24A4 C.A.R.B. E.O. #D-392-21
2004 Honda Accord 2.4L K24A4 C.A.R.B. E.O. #D-392-24
Excludes 2003 MY LEV II SULEV 3HNV02.4KCP
Excludes 2004 MY LEV II SULEV 4HNV02.4KCV
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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 underhood 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: 21-511

1	2-540	Intake Pipe Assembly
1	21-201	2.5" x 5" Air Filter & Clamp
1	5-257	HOSE,ADAPTER 2.50/2.75 X 3" BLK
3	4093-5	3/4" Hose Clamp
2	99024.032	1" Hose Clamp
1	784639	GROMMET,13/32"
10"	65004	HOSE,5/8ID
1	103-BLO-4020	#40 Hose Clamp
1	103-BLO-4420	#44 Hose Clamp
1	1228599	MOUNT,RUBBER 1" X 6MM
2	444.460.04	M6 x 1.0 Nylok nut
2	559999	6mm x 25mm x 1mm washer
10"	516-006	5/16" ID Hose
1	10-922E250	EMBLEM,CAS/SRS 2.50R
1	10-7006	Instructions
2	10-922S	AEM Silver Decals
1	8-139	Oil Trap Coupler
1	8-700	Oil Trap Spring Clamp
1	103-BLO-4420N	Filter Clamp
1	10-400W	White License Plate Frame
1	10-905	Warning Decal

For technical inquiries e-mail us at tech@aempower.com

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

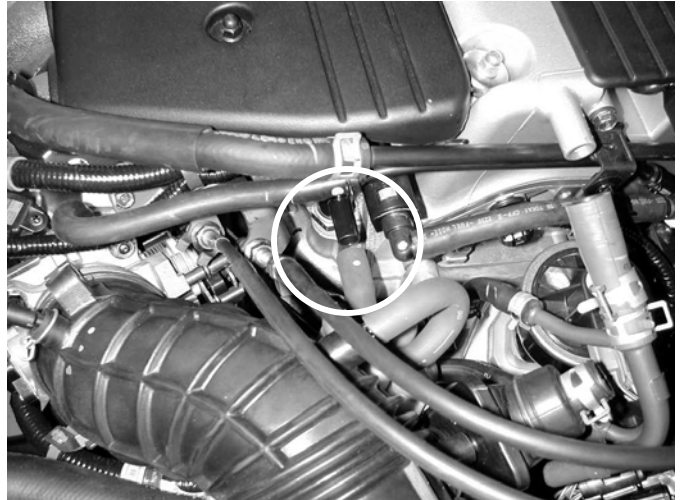
1) Getting Started

- a) Make sure vehicle is parked on a level surface.
- b) Set parking brake. Install rear wheel chocks.
- c) If the engine has run within the past two hours let it cool down.
- d) Jack the front of the vehicle and support using properly rated jack stands.
- e) Remove the left front wheel.

2) Removal of the Stock Air Intake System



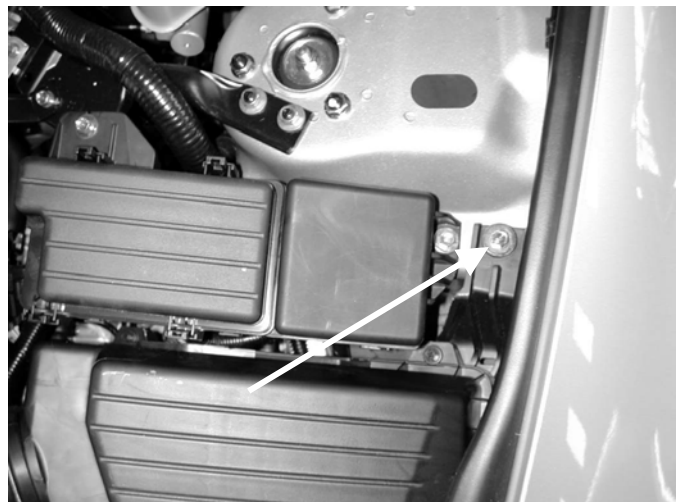
a) Loosen the clamp around the throttle body using a 5.5mm socket or screwdriver. Pull the Intake Air Temperature (IAT) sensor out of the intake tube by loosening the spring loaded clamp.



b) Unplug the breather tube from the fitting underneath the intake manifold.



c) Remove the air box mounting bolt shown in the picture.



f) Remove the other air box mounting shown in the picture.



g) Carefully remove the air box assembly from the engine bay.



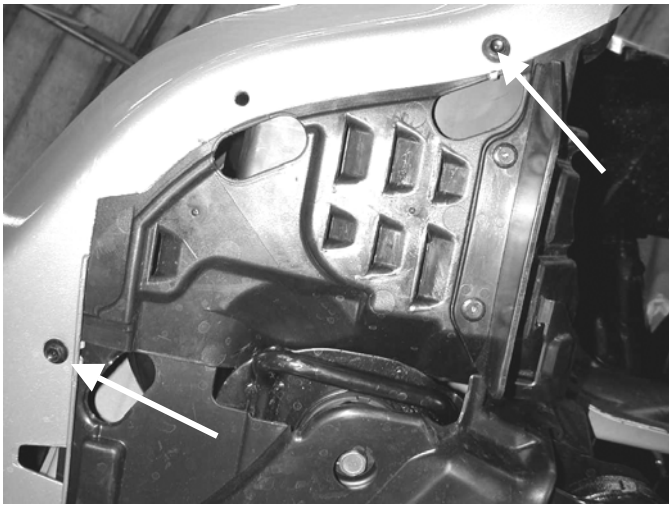
h) Remove the two fasteners holding the plastic cover in front of the battery.



i) Pull upward on the plastic cover to remove the resonator box intake tube.



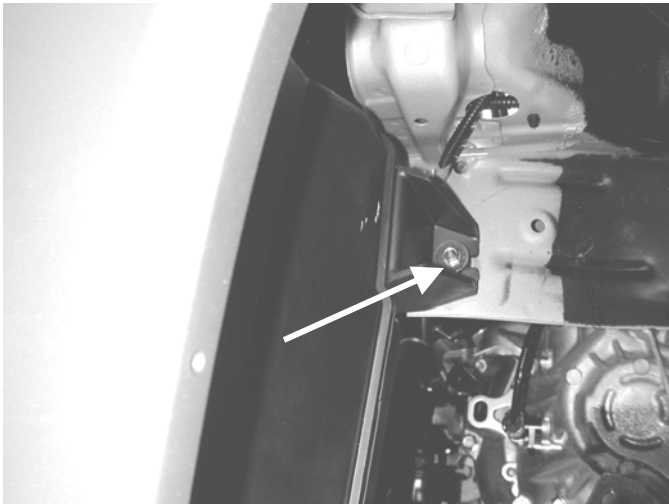
j) From inside the driver-side wheel well, remove the fastener shown in the picture.



k) From underneath the vehicle, remove the fasteners shown in the picture.



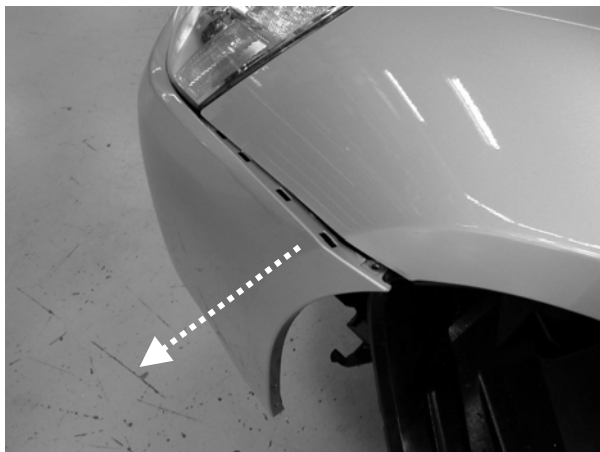
l) Tuck the splash guard out of the way behind the brake rotor.



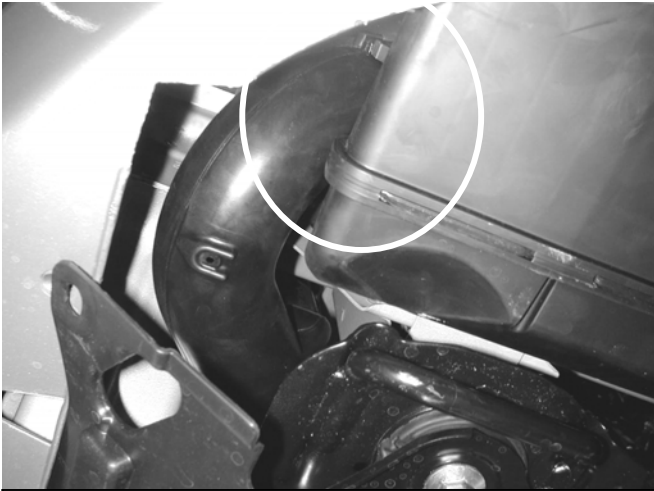
m) Remove the resonator mounting bolt shown in the picture.



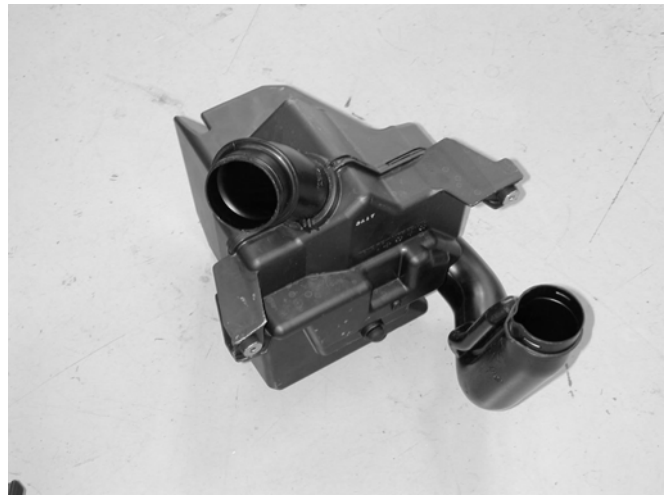
n) Remove the screw holding the corner of the front bumper cover.



o) Unsnap the corner of the bumper cover as shown in the picture. This will help in removal of the resonator assembly.



p) Reach up inside the space in front of the resonator assembly with a 10mm socket or wrench and remove the other mounting bolt.



q) Remove the resonator assembly from the car.

3) Installation of the AEM Cold Air Intake System.

- a) 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.



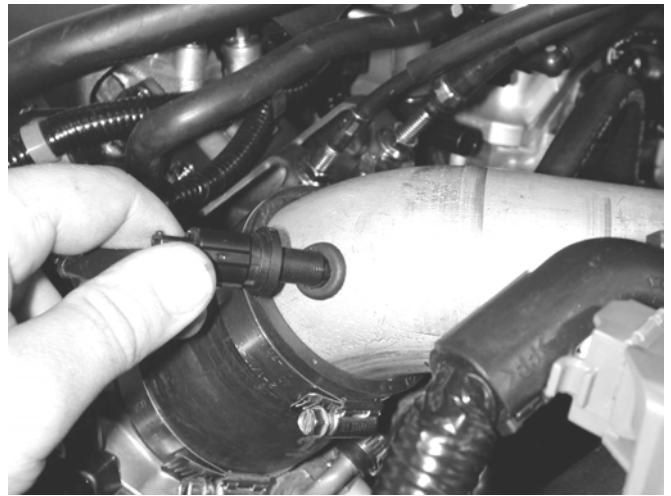
a) Place the coupler on to the throttle body. Install a #44 hose clamp around the throttle body and a #40 on the other end. Do not tighten hose clamps.



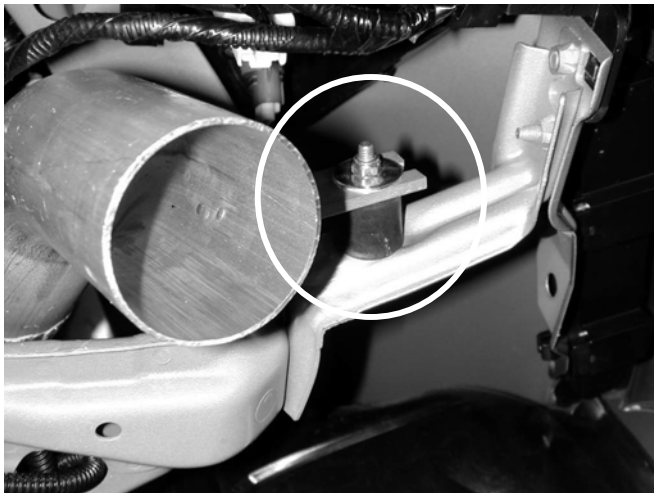
b) Install the rubber mount in the bracket behind the front left headlight as shown in the picture. Secure it in place with a washer and Nylok nut as shown in the picture.



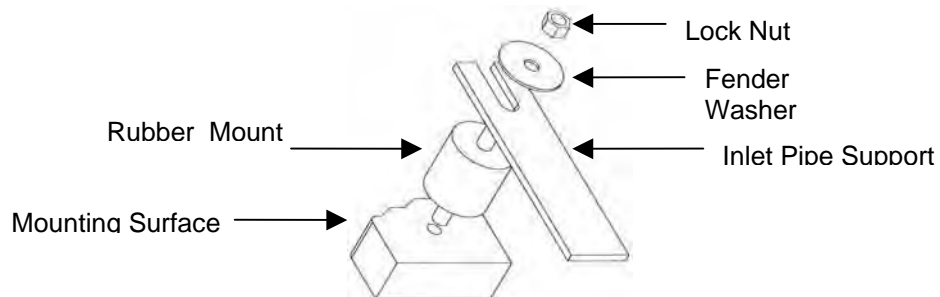
c) Insert the AEM intake pipe into the engine bay. Line up the bracket on the pipe with the rubber mount, and place the end of the pipe in to the coupler on the throttle body.



d) Install the included rubber grommet into the small hole on the intake pipe. Insert the IAT sensor into the hole.



e) Install a nut and washer on to the rubber mount as shown in the picture. Make sure the rubber mount and bracket are assembled according to the diagram below.





f) Remove the small hose from the factory intake system.



g) Re-install the small hose with the AEM intake system. Use a $\frac{3}{4}$ " hose clamp to secure it on the small nipple on the intake pipe.



h) Install the filter on the end of the intake pipe and tighten the hose clamp.



i) Attach the Oil trap coupler to the oil trap and secure with the stock clamp. Attach the small end to the inlet pipe and secure with provided spring clamp.



Your AEM Cold Air Intake should look like this.

- j) Position the intake system so that no part touches the car.
- k) After proper positioning has been achieved, tighten all the hose clamps and mounting hardware.
- l) Snap the bumper cover back in place and replace the fastener.
- m) Re-install the fender liner and all of the hardware that was previously removed.
- n) Re-install the wheel and tighten the lug nuts to 80 ft-lb.

Start the engine and perform a final inspection before driving.

**For Technical Inquiries
Please E-Mail Us At:
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