



# ***COLD AIR SYSTEM***

Installation Instructions for:  
Part Number 21-508  
2002-2005 Honda Civic Si

**ADVANCED ENGINE MANAGEMENT INC.**  
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Instructions Part Number: 10-347  
2002-2003 Honda Civic Si K20A3 C.A.R.B. E.O. #D-392-21  
2004 Honda Civic Si K20A3 C.A.R.B. E.O.#D-392-24  
2005 Honda Civic Si K20A3 C.A.R.B. E.O. #D-392-28  
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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.

Our Dyno testing as well as **independent dyno tests** (see 7/97 Sport Compact Car Magazine) prove that the **AEM** Cold Air System produces as much as twice the power gain than any other system on the market.

**Bill of Materials for: 21-508**

1	2-508	Inlet Pipe
1	784639	Rubber Grommet
1	21-201D	2.5" Air Filter
2	9444	#44 Hose Clamp
1	9440	#40 Hose Clamp
1	5-257	Hose Adapter, 2.5 to 2.75
30"	65002	3/4" Breather Hose
28"	65128	3/8" Breather Hose
2	4093-6	1 1/16" Hose Clamp
2	4093-5	3/4" Hose Clamp
1	1228560	8mm-2.0 Rubber Isolator
1	444.460.08	8mm-2.0 Serrated Nut
1	559960	8mm Fender Washer
1	10-347	Instructions
2	10-922S	AEM Decal

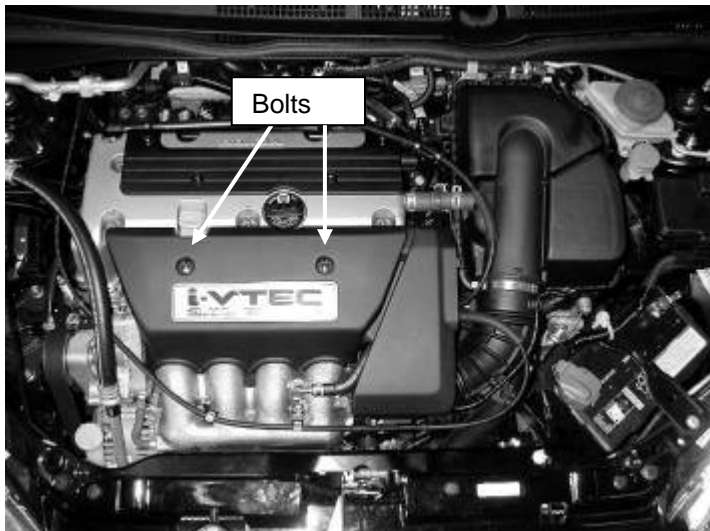
**For technical inquiries e-mail us at [tech@aempower.com](mailto:tech@aempower.com)**

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

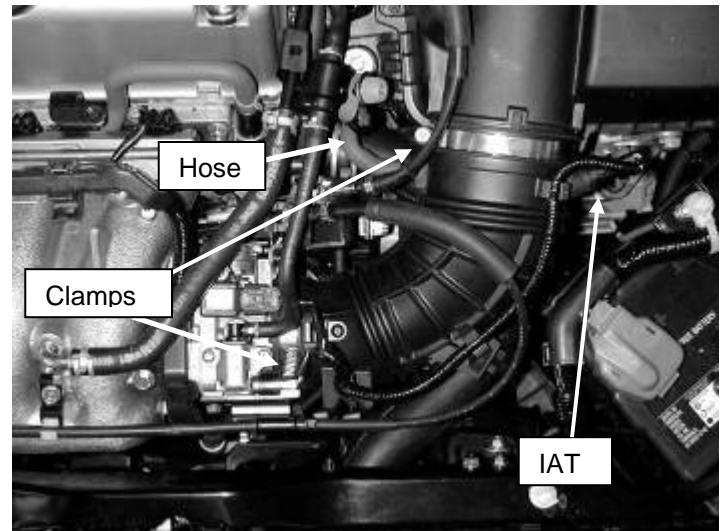
### 1) Getting Started

- a) Make sure vehicle is parked on a level surface.
- b) Set parking brake. Install rear wheel chocks.
- c) Disconnect negative battery terminal.
- d) If engine has run with in the past two hours let it cool down.
- e) Jack the front of the vehicle and support using properly rated jack stands.
- f) Remove the left front wheel.
- g) Remove the left front inner fender well liner.

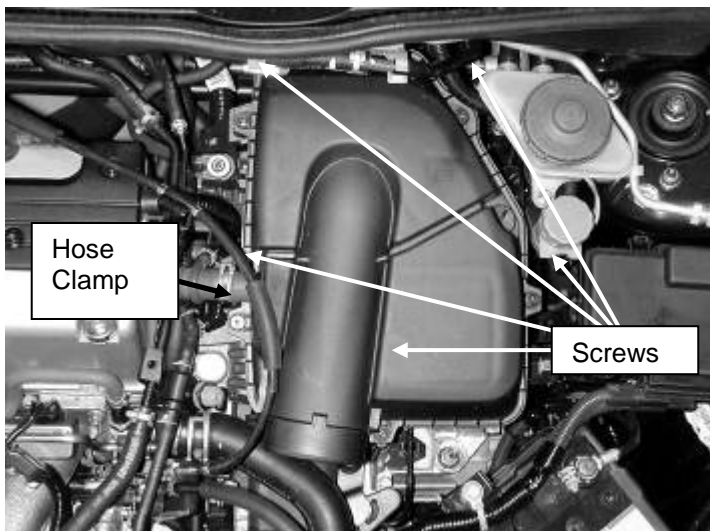
### 2) Removal of the Stock Air Intake System



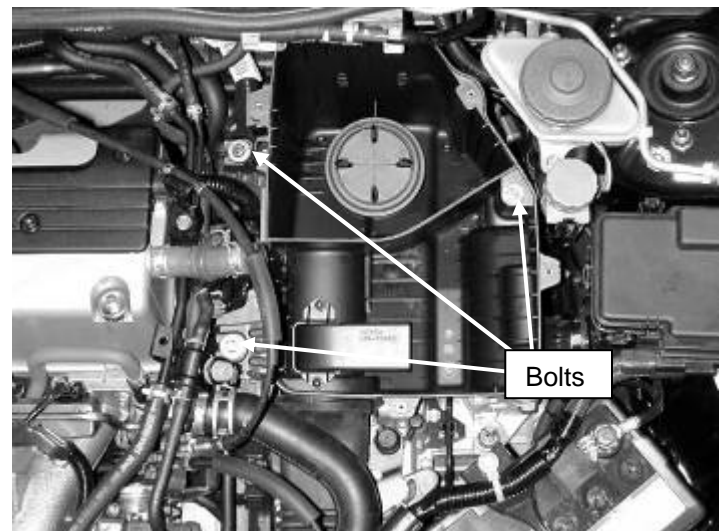
a) Loosen the two bolts holding the intake cover, and remove it.



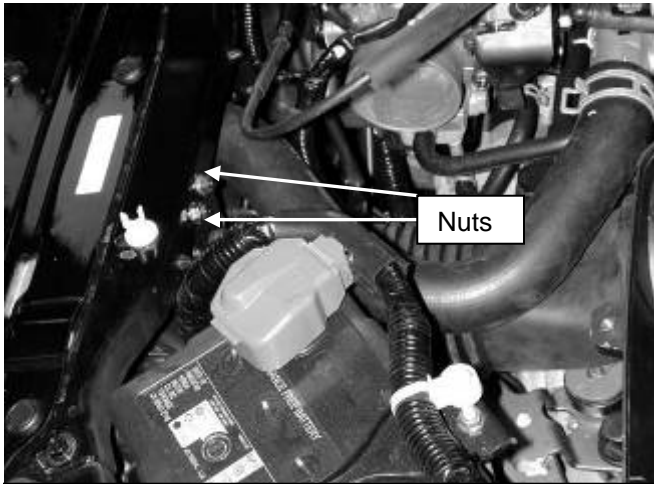
b) Loosen the two clamps securing the Intake Tube to the throttle body and air cleaner, and unplug the Intake Air Temp Sensor, and remove the hose attached to the intake tube. Finally, remove the IAT.



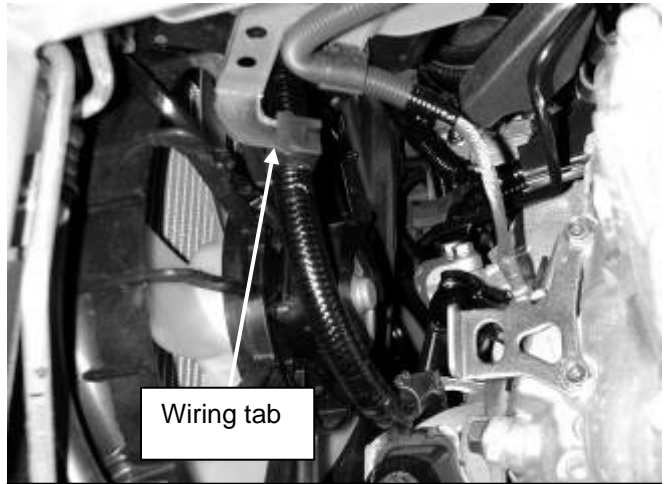
c) Loosen the 5 phillips head screws, and remove the air filter assembly lid. Disconnect the breather hose by releasing the hose clamp.



d) Loosen the 3 bolts holding the air filter assembly, and remove it.



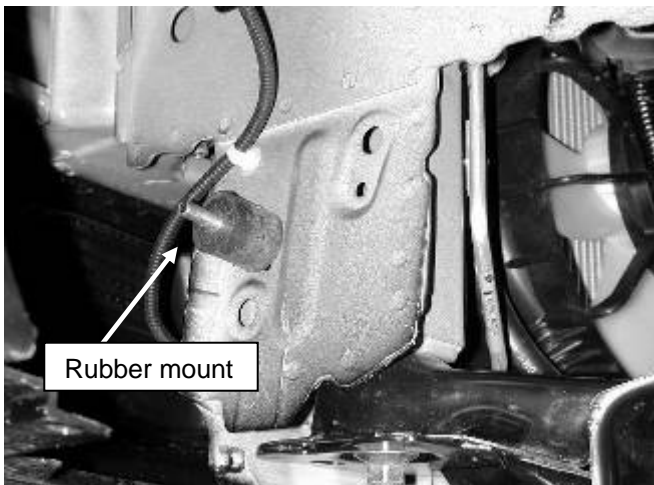
e) Loosen the two nuts holding the cold air tube, and remove it.



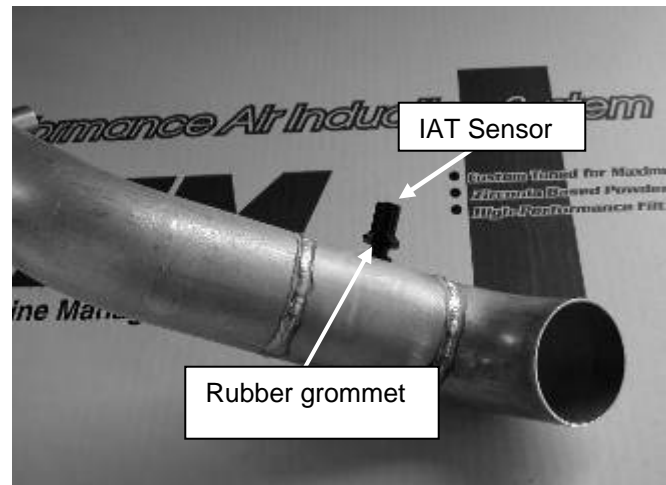
f) Bend the Wiring Mount Tab towards the radiator, to make room for the Cold Air Pipe.

### 3) Installation of the **AEM** Cold Air Intake System.

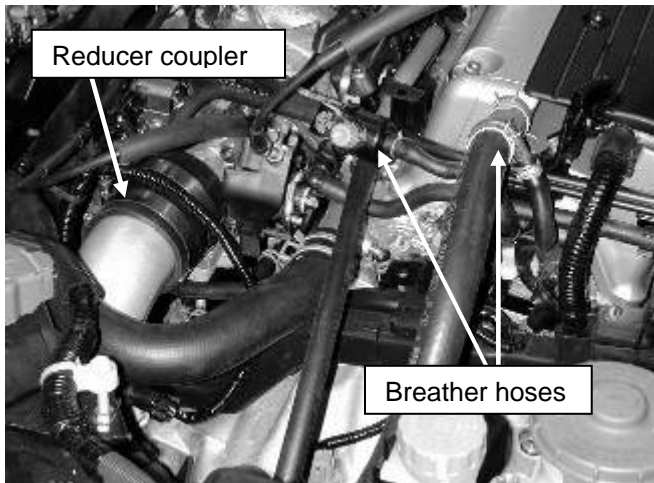
- a) When installing the Cold Air Intake System, **DO NOT** completely tighten the hose clamps or mounting tab hardware until instructed to do so later in these instructions.



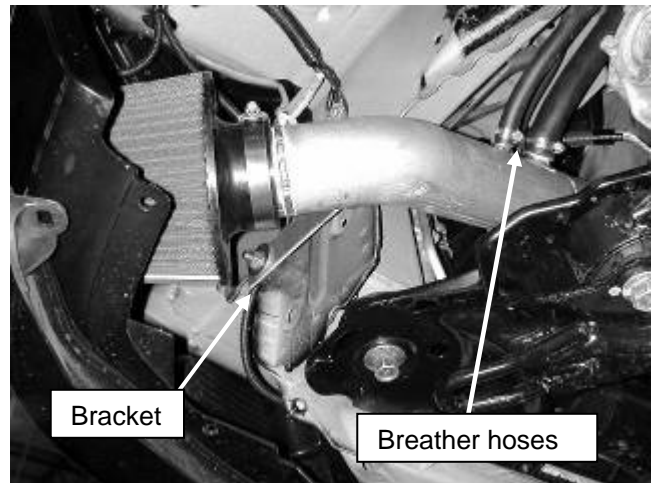
B) Install the included rubber mount in the factory threaded hole in the frame, as shown.



C) Install the supplied rubber mount and the factory IAT sensor in the Cold Air Pipe.



d) Install the Cold Air Pipe, using the included reducer coupler and hose clamps. Replace the factory breather hoses with the supplied hoses and retain them with the included clamps.



e) Install the filter, and secure the Cold Air Pipe to the rubber mount with the included serrated nut and washer, and secure the breather hoses to the nipples in the pipe using the supplied clamps.

#### 4) Re-Assemble the vehicle.

- a) Reinstall the inner fender liner and front wheel/tire. The inner fender well liner must be cut in order to properly fit the intake system into the vehicle.
- b) Plug the IAT wiring harness back into the IAT sensor.
- c) Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tight.
- d) Start engine and perform a final inspection before driving the vehicle.

Note: This system is not compatible with an Air Bypass Valve.