



COLD AIR SYSTEM

Installation Instructions for:
Part Number 21-415
1998-2002 Honda Accord 4 Cyl.

ADVANCED ENGINE MANAGEMENT INC.

2205 126th Street, Hawthorne, CA 90250
Phone: (310) 484 2322 Fax: (310) 484 0151
www.aempower.com

Instruction Part Number: 10-204

1998-1999 Honda Accord 4 Cyl. F23A1, F23A4 & F22A5 C.A.R.B. E.O. #D-392-5
2000-2001 Honda Accord 4 Cyl. F23A1, F23A4 & F22A5 C.A.R.B. E.O. #D-392-11 & D-392-21
2002 Honda Accord 4 Cyl. F23A1, F23A4 & F22A5 C.A.R.B. E.O. #D-392-18 & D-392-21
Excludes 2001 MY LEV II SULEV 1HNXV02.3BF9 & 2002 MY LEV II SULEV 2HNXV02.3FK6

© 2008 Advanced Engine Management, Inc.

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 variety of cars. We engineer each system 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. Because of the increased airflow and reduced inlet temperature, the air-mass flow to the engine increases, this translates to more power. The **AEM** Cold Air Systems are **50 states Street Legal** (some models 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. For each engine, we match the tube's diameter and length to promote 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.

Kit Contents:

Part Number 21-415 1998 - 2002 Honda Accord 4 Cyl.

F23A1 & F23A4

<u>QTY</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	21-201	2.5" AEM Air Filter & Hose Clamp
1	2-422	Inlet Pipe
1	444.460.04	6mm Nut
1	559999	6mm X 25mm X 1mm Washer
1	1228599	Rubber Mount includes connector nut and stud
1	5-250	2.5" x 3" Connector Hose
2	103-BLO-4020	2.5" Hose Clamp
2"	65128	3/8" Breather Hose
2	4093-5	3/4" Hose Clamp
1	10-204	Instructions
2	10-922S	AEM Decal
1	10-905	Warning Decal
1	11-415	E.O. Decal

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

1. Make sure vehicle is parked on a level surface.
2. Set parking brake.
3. Disconnect negative battery terminal.
4. If engine has run within the past two hours let it cool down.
5. The following items will be removed from the vehicle.
 - (a) The OE inlet tube
 - (b) The air filter case
 - (c) Intake air noise resonators (Fig A)

6. **Removal of intake air tube.**

- (a) Disconnect the breather hose from the intake tube. The hose consists of a section of metal tubing between the intake tube and the cam cover.

7. **Removal of air filter case.**

- (a) Remove the two mounting bolts for the air filter case and lift the case out.

8. **Preparing the vehicle to accept the Cold Air System.**

- (a) From underneath the vehicle, remove the engine splash shield and the front left plastic fender liner.

- i) The front plastic under-tray can be removed entirely for installation of the Cold Air System and the fender liner can be temporarily folded such that it does not interfere with the installation. (Fig B)

- (b) Remove the bolts holding the lower resonator assembly and pull the assembly out from underneath the vehicle.

- (c) Remove the two bolts securing the diagonal fender brace that is mounted between the battery and the passenger-side fender. (Fig C)

9. **Installing the Cold Air System**

- (a) Install the orange hose section on the throttle body side (side opposite the bracket) of the Cold Air System air inlet tube.

- i) Install two 2¹/₂" hose clamps on either end and tighten them enough to hold them on during installation.

- (b) Thread the supplied rubber mount into the fender brace. (Fig D)

- (c) Place the air inlet tube in the engine bay.

- i) Install the orange hose over the throttle body but do not tighten.
- ii) The filter end of the tube should pass through the hole in the fender where the brace was removed. (Fig E)

- (d) Replace the diagonal fender brace with the rubber mount installed. The rubber soft mount should line up with the bracket on the air inlet tube.

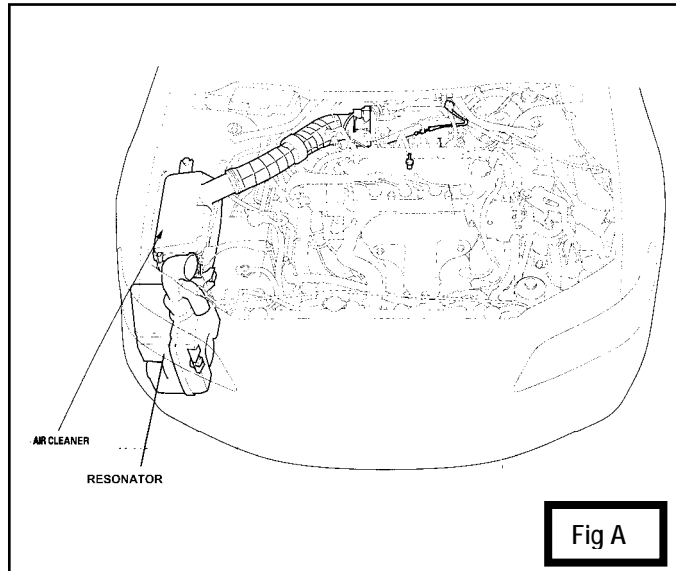


Fig A

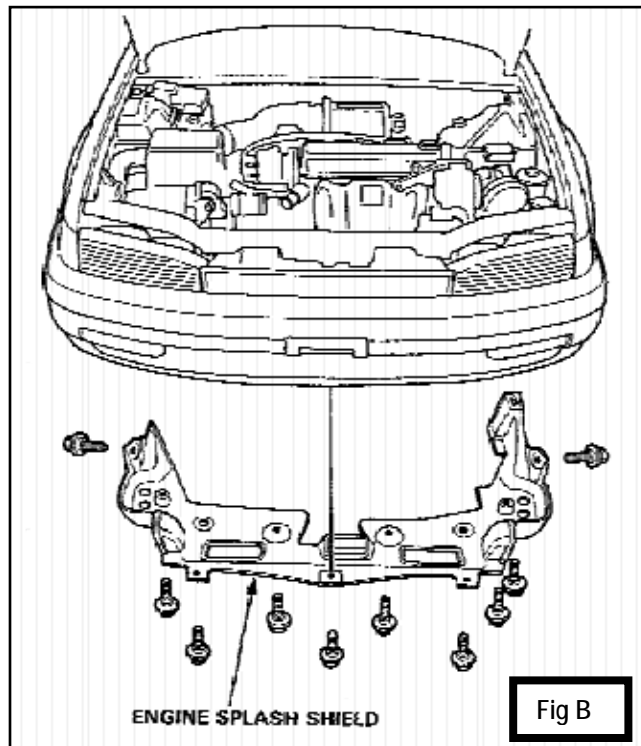
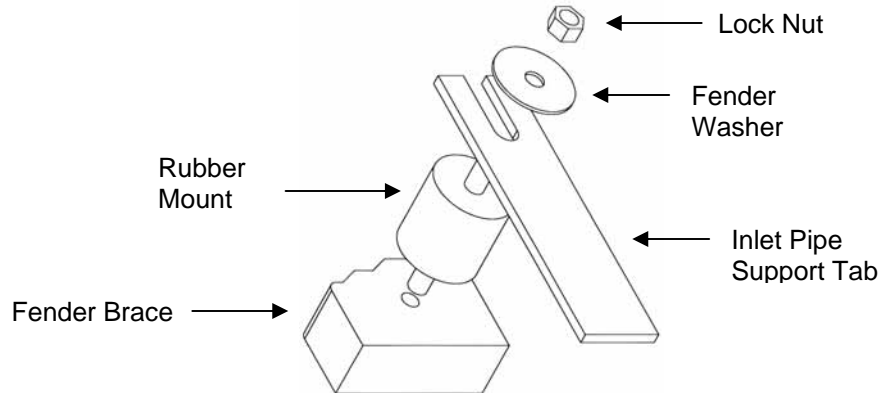


Fig B

- (e) Install the large fender washer and the lock nut onto the isolator mount stud and snug it down. (Fig. F) **Failure to install the rubber mount will void all warranties of the Cold Air System.** Below is a diagram of how the rubber mount should be installed.



- a) Tighten the hose clamps at the throttle body end of the air inlet tube enough to allow you to rotate the tube for any adjustments to position before you tighten them completely.
10. **Installing the air filter assembly.**
- (a) Install the **AEM** filter on to the end of the inlet tube. Push the filter on around 2 inches over the inlet pipe and install one hose clamp to secure the filter on to the inlet pipe. Once fitment is checked, you can either push the filter on to the inlet pipe more or less depending on clearances. Tighten the hose clamp after this is done.
- (b) Check for clearance around the tube. Make sure the tube and filter do not come in contact with any part of the vehicle. (Fig. G)
- (c) Once you are satisfied with the installation, tighten all the hose clamps and the rubber mount.
- i) 2 hose clamps at the throttle body.
- ii) 1 hose clamp at the filter assembly.
11. **Final installation steps**
- (a) Install the 3/8" x 2" hose supplied with the kit on end of the metal valve cover breather tube that was removed in step 6 a. Use the two clamps provided in the kit to secure the breather to the inlet pipe (Fig H).
- (b) Reinstall the splashguard and front under-tray.
- i) **Failure to install inner fender well (splashguard) will result in diminished performance and increase the potential for engine damage by the ingestion of water during wet weather conditions.**

**For Technical Inquiries
Please E-Mail us at
tech@aempower.com**



Fig. C



Fig. D



Fig. E

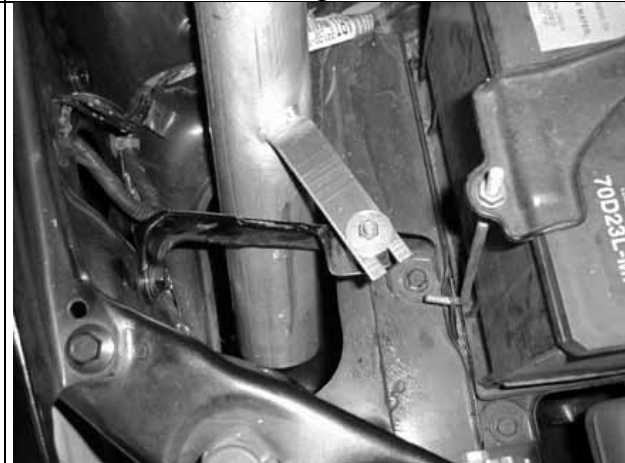


Fig. F



Fig. G

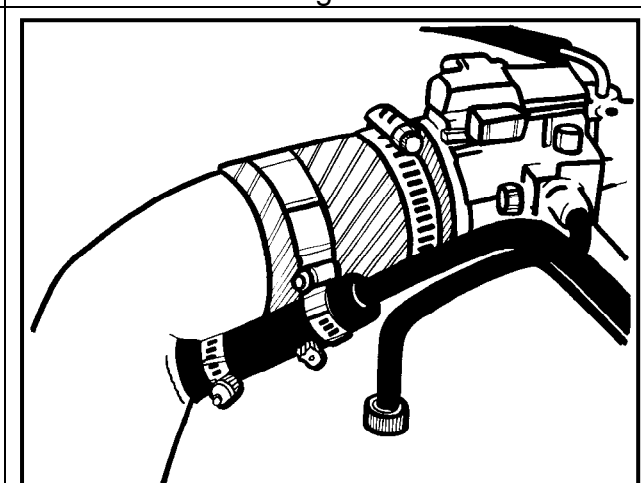


Fig. H