



SHORT RAM SYSTEM

Installation Instructions for:
Part Number 22-521
2003-2005 Hyundai Tiburon V6

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Instructions Part Number: 10-342
2003 Hyundai Tiburon V6 C.A.R.B. E.O. #D-392-21
2004 Hyundai Tiburon V6 C.A.R.B. E.O. #D-392-24
2005 Hyundai Tiburon 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** Short Ram Air Intake System is the result of extensive development on a wide variety of cars. It is the most advanced short pipe air intake system on the market. Each system is specifically engineered for its particular application. All **AEM** Short Ram Air Intake Systems deliver maximum performance gains through lightweight, all-aluminum, mandrel-bent tubing that is tuned in both length and diameter. The aluminum will not crack in extended use like plastic. The tube length and diameter are matched for each specific engine to give power over a broad RPM range. Unlike plastic systems that use a continually diverging cross-section, we take advantage of the acoustical energy in the inlet duct to promote cylinder filling during the intake valve opening event. Every intake is coated with a high-gloss, heat-reducing Zirconia based powder coating. This special blend of powder coating helps reduce heat penetration, which in turn reduces the temperature of the inlet air charge. The cooler inlet air temperature translates to more power during the combustion process because cool air is denser than warm air. The air mass flow to the engine is increased because of the increased airflow and reduced inlet temperature, which translates to more power.

Bill of Materials for: Part #22-521

1	21-203	3" Air Filter & Clamp
1	103-BLO-5220	3.25" Hose Clamp
1	444.460.04	6mm Nyloc Nut
1	559999	6mmX25mmX1mm Washer
1	1-2064	Hex Flange Bolt,M8 X 1.25 X 50
1	1-2038	Hex Flange Bolt,M6 X 20
1	7-7354	Mounting Bracket
1	10-342	Instructions
2	10-922S	AEM Silver Decal
1	10-400W	White License Plate Frame
1	10-503	Box, 24 x 12 x 8

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

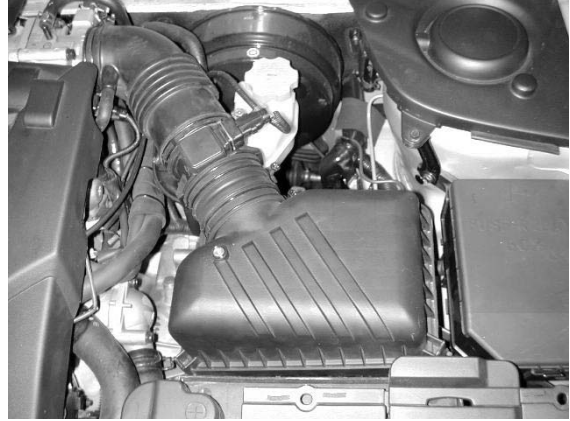
1) Getting Started

- a) Make sure vehicle is parked on a level surface.
- b) Set parking brake.
- c) If engine has run with in the past two hours let it cool down.

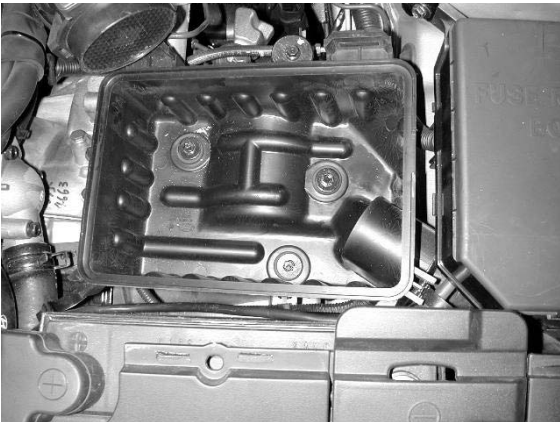
2) Removal of the stock intake system.



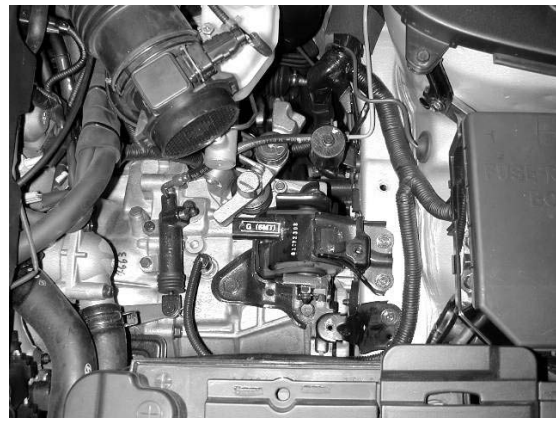
a. Remove the upper plastic cover covering the stock intake system.



b. Remove the hose clamp securing the upper filter box to the air flow sensor. Unlatch the two clips securing the upper filter box and remove.



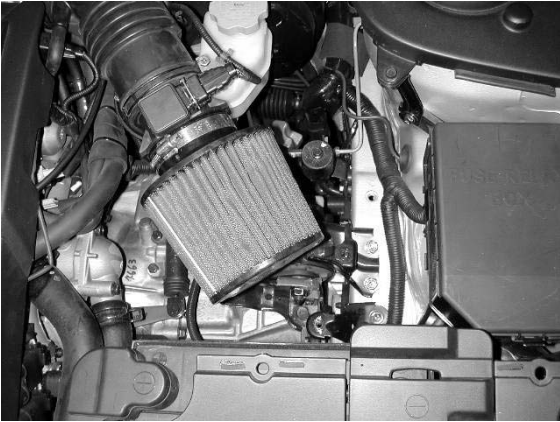
c. Remove the filter. Remove the three bolts securing the lower filter box and remove from vehicle.



d. Kit removed from vehicle.

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.



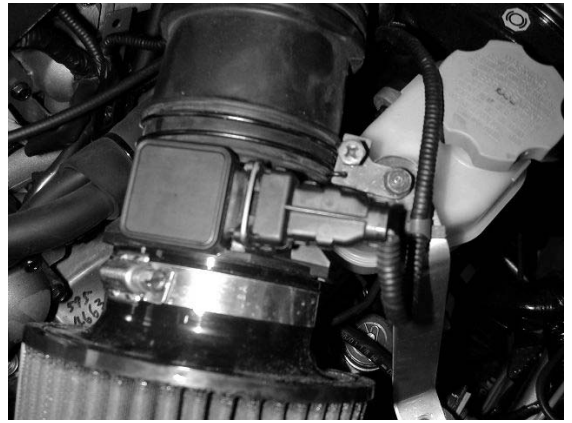
b. Install the filter over the air flow sensor and secure using the supplied hose clamp.



c. Remove the bolt securing the vibration dampener. Install the bracket securing it with the supplied bolt.



d. Remove the wire harness clip from the hose clamp. Install the bracket with the supplied bolt, washer and nut.



e. Install the wire harness clip into the second hole on the mounting bracket.



f. Kit installed on vehicle.

4) Re-assemble the vehicle

- a) Position the filter for best fitment. Be sure that the filter or any other components do not contact any part of the vehicle.
- b) Tighten all hose clamps.
- c) Tighten the bolts and nuts on the mounting bracket.
- d) Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are tight.
- e) Start engine and perform a final inspection before driving the vehicle.