



## Installation Procedures

### **ECS XAS - Cold Air Intake System Installation Instructions**

**This tutorial is provided as a courtesy by ECS Tuning.**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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### **Safety first:**

When performing any work on your vehicle it is important that you make safety your main concern. If using a jack, Properly support the vehicle with jack stands on each side. Never work under a vehicle supported only by a jack.

Note: The Following installation was done on a Volkswagen MKIV 1.8T Jetta. Installation for other vehicles will be similar.

### **Tools Required:**

Jack –optional  
Jack stands –optional  
#2 Phillips screwdriver  
#2 Flat head screwdriver  
Socket wrench  
10mm socket  
13mm socket  
10” socket extension  
10mm open end wrench

### **Preparation:**

Park automobile on a level, suitable working area.  
Be sure to put the vehicle in gear and/or in park and engage the parking brake.  
Allow the engine time to cool to ambient temperatures to avoid the possibility of burns.

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## Step One: Removal of the Factory Air Box



Begin the installation by removing the two phillips screws that secure the air box lid.



Next, remove the two phillips screws that hold the mass airflow sensor to the air box lid. Set the air box lid and filter aside.

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Remove the bottom half of the air box by removing the two 10mm bolts that secure it in place.

## Step Two: Removal of the air duct and air duct guide



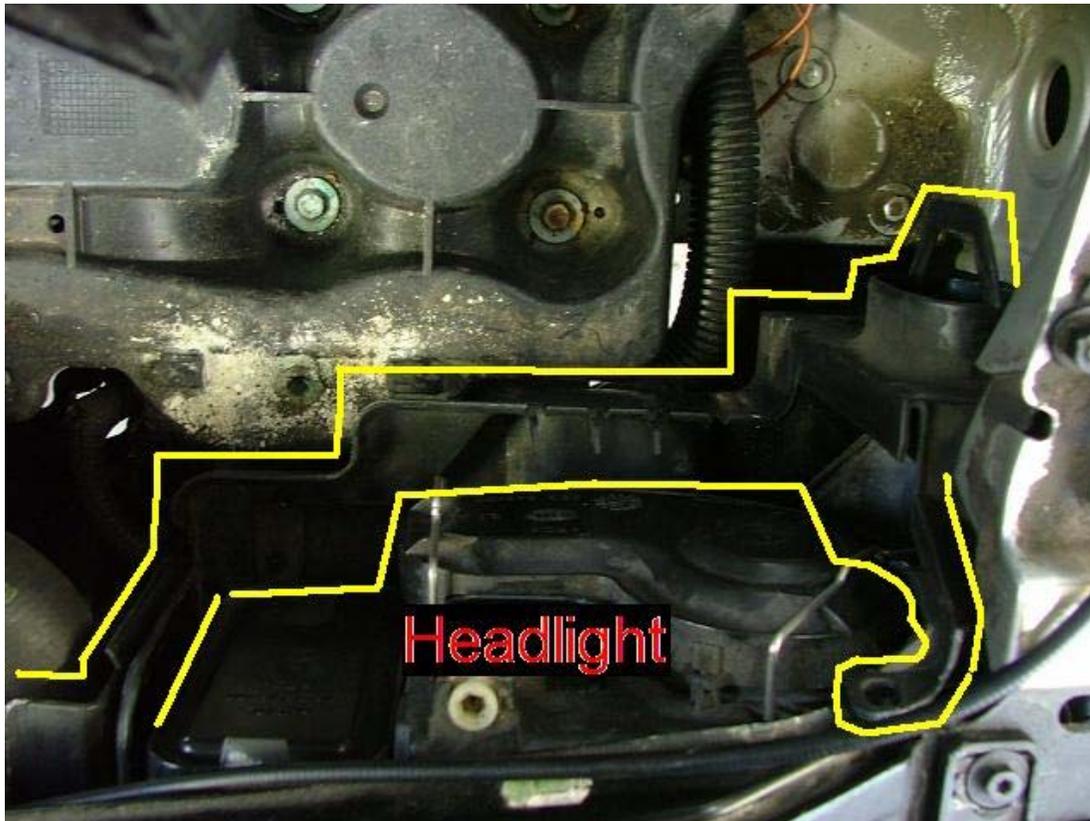
Remove the 10mm nut securing the air duct to the fender, then remove air duct.

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Remove the 10mm bolt holding the battery cover, remove the battery cover and set it aside. Installation note: Battery, and battery tray can be removed. While not necessary, removal of these components allows for more room to work, resulting in an easier installation. Also, disconnecting the battery may require you to re-enter your radio anti-theft code.

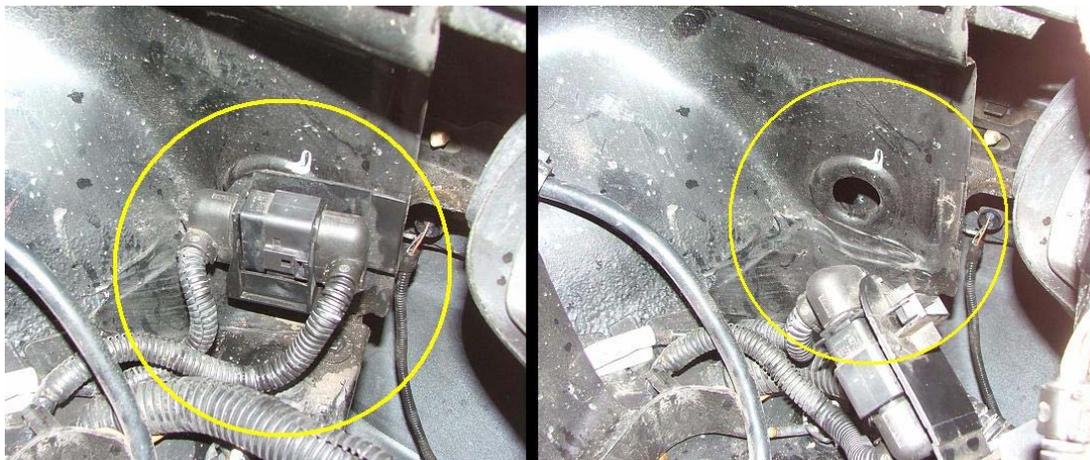
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To get the air duct guide (out lined) out from underneath the headlight, you must take a 13mm socket with a 10" extension and remove the front battery hold down bracket. The air duct guide is held in place with 3 plastic rivet type pins, these pins are in locations difficult to reach. Removal of air duct guide with out removing the pins will probably result in broken pins or air duct guide.

### Step Three: Installation of the cold air intake pipe

**VERIFY THAT THE INTAKE PIPE IS FREE FROM ALL DUST, DIRT and DEBRIS PRIOR TO INSTALLATION.**



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To ensure intake pipe clearance, the electrical clip must be removed from the inner fender. Once removed, tuck it to the side.



Attach the intake pipe to the mass air flow sensor using the supplied silicone hose connector and 3" clamps. Installation note: Loosen the top flex section clamp while fitting the intake. This will allow for the best possible fit on your vehicle. Once satisfied with mounting position, tighten the clamp to further secure the intake.

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When mounting the intake to the lower fender well, the correct pre-drilled hole must be used. ALWAYS USE THE HOLE CLOSEST TO THE FENDER.

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Using the supplied double male rubber mounting brace, attach the intake to the lower fender mounting location.



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Install the High Flow Intake Filter on the end of the intake Pipe, and secure the filter in place by tightening the supplied hose clamp.

### Step Four: Breather Filter Installation



Clip the supplied adapter with supplied attached into the female breather tube that was previously connected to the back of the air box.

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Using zip ties, Secure the breather filter out of the way of all shifting and radiator components.

### Step Five: Finishing Up

Inspect and Double-Check Your Work: Be sure that all connections are tight, all tools are accounted for and all pieces supplied in the kit are used. Start the car and let idle. Listen for any weird noises. Close the hood and go enjoy the added power and sound from your **ECS XAS** Cold Air Intake System.

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