



INSTRUCTIONS

BMW E36 with M50 engine 1992-1999 AA 3.0 CAIS-Cold Air Intake System

Tools Required:

- Phillips screwdriver -#2
- Drill with 1/8" bit
- Flat head screwdriver
- 10mm socket with ratchet
- Pencil or awl

Installation Time: 2.0 Hours

Procedure:

Remove factory air box and air mass meter. On 325i and 95' M3 remove heating element from air box first.

Bypass the heating element, and attach the hoses directly to the throttle body housing. This eliminates the element from the cooling system.

An alternate is to mount the element directly to the alternator (As shown in diagram below)





- Remove original air box rubber mount.
- Install AA CAIS in place. Use the black plastic nut to secure the CAIS at the bottom.
- Using a drill with a 1/8" bit, install the other brass looking screw to the bottom front. (See picture for details)

(Drilling of holes to install these screws is necessary, drill size =1/8")



- On the radiator core support, remove both clips that protrude through (These are the black spots to the left and right of the green sticker in the picture).
- These holes will retain the grill cover at the bottom front.



- Temporarily mount the grill cover to air box with screws. This will help self align mounting holes for the grill cover to tabs later.
- Now mark the top hole to be drilled. Use a pencil or an awl.

IMPORTANT:

make sure panel is straight before marking.



- Remove the grill cover.
- Drill the top hole with a 1/8" drill bit and install the brass looking screw on the inner fender.



- Remove air mass meter from air box
- Identify air flow direction, look at the arrow on the air mass meter
- Silicone 3" hose will attach to inlet side of the air mass meter

NOTE: Hose can be difficult to install. Using a small amount of engine oil, slightly lubricate the inside opening of the 3" silicone hose



- After lubricating the inside of the 3" silicone hose. Mount the hose.
- It is easier to mount the hose on a work bench and not on the car
- Using a small screwdriver to help roll on the hose can be easier



- Install air mass meter with hose attached and slide it through opening in rear panel.
- Secure mass meter to boot with clamps



- Install air intake bracket to cruise control bracket with 6mm bolt and nut supplied.
- Install cruise control actuator. Actuator cable fits in top slot.



-Install the air filter so that air filter is as close to headlamp as possible.



- Install grills cover with screws provided.

NOTE: The front screws in the cover will go through the factory holes in the headlamp metal panel. The plastic pins that hold the wires under the panel will have to be removed to allow use of these holes. The wires will be fine without the pins holding them.

Bottom of grill cover is mounted below radiator core support.

OPTIONAL MODIFICATION – Increasing additional airflow

MODIFICATION 1

-More airflow is available by removing the horn bracket.

-Use a hacksaw attached to a handle to cut off the bracket.

This removes the horn from the original mounting bracket.

-Now bolt the horn and bracket to the grounding bolt nearby.

-Cut a 2” or greater hole in the left brake duct at the top.

-This will allow a greater airflow to the cone filter.

MODIFICATION 2



-Center cowl removed to access air flow restrictions



-Start removing panels



-Remove screws to access center panel



-A very close up of the restriction



-Removed for clarity

SPECIAL NOTE:

Replace air filter every 6 months. More often if the car is operated in dusty conditions.