



Evolution MotorSports 993 V-Flow Air Induction System Installation Instructions

Tools Needed:

- 10 mm Wrench / Socket w/ Ratchet
- 11 mm Wrench / Socket w/ Ratchet
- Flat Head Screwdriver
- 6,7,8 mm Nut Drivers
- Cutting Pliers
- Razor Knife

Installation Time: 1 hour



V-Flow Parts Supplied:

- 1 x 3.5" Silicone 90 degree tube (With 1/2" Temp Hole For 96-98 V-Ram ONLY)
- 1 x 3.5" Aluminum coupling sleeve
- 2 x 80/100 Hose Clamps
- 1 x Small Breather Filter
- 1 x M10 x 40mm Bolt
- 1 x SAE11 x 10mm Bolt
- 1 x Small Zip Tie (Not Pictured)
- 1 x CNC Machined Billet MAF/Venturi Adapter
- 1 x Injection Molded V-Flow Venturi
- 1 x EVOMS Logo V-Flow Cotton Air Filter w/ Clamp
- 1 x V-Flow Water Shield / mounting System w/ EVOMS Stainless Logo
- 1 x Mounting Bracket (For 96-98 V-Ram ONLY)



Removing OEM Airbox:

1. To remove the OEM airbox, refer to the OEM instruction Manual for detailed instructions. This guide will provide the basic information. The engine compartment should be cool in order to avoid getting burned.
 - Locate the OEM airbox in the engine compartment on the right side of the engine compartment.
 - Remove the cover as if you were going to replace the air filter. On 6-speed cars, you will have to remove the clutch breather line from the front of the airbox. Simply pull it from the airbox cover. Unlatch the fastening clips and remove the right side cover and air filter entirely from the engine compartment.
 - To remove the remaining the portion of the airbox, you will have to remove the hose clamp securing the smog pump line to the left side of the airbox. Once removed, tilt the rear portion of the airbox up and off of the locating mounts. Unclip the air temp sensor electric (1996-1998 models only). Next, you will now have to reach your hand around from the right side to remove the metal clips that secure the MAF housing to the airbox.
 - Remove the airbox from the engine compartment.
 - Remove the MAF harness from the MAF meter by unscrewing the round connector located on the meter. Remove the MAF meter housing from the engine compartment by loosening the hose clamp that fastens it to the OEM throttle body boot.

Installing the EVO V-Flow:

2. Preassembly procedure. There are items that will need to be installed and assembled prior to fitting the V-Flow air intake system.



Install the CNC machined venturi adapter to the OEM MAF as shown in the photo. BE SURE the airflow is correct as indicated in the photo.



Next, install the Venturi over the MAF adapter. BE SURE to align one of the brass mounting holes of the venturi inline as shown in the picture. Press the Venturi in place. (This picture also shows the differences in mounting methods for the 1995 models as well as for the 1996-1998 models.)

Next install the V-Flow heat shield as shown in the photo. Use the supplied short 11mm bolt to fasten this to the venturi. Be sure that if you are installing this in a 1996-1998 model, you also attach the additional mounting bracket as shown.



Remove the Smog pump hose directly from the smog pump and install the supplied air filter directly over the snout of the smog pump. NOTE: This is a very tight procedure and will require some time and patience.

On 1996-1998 Models, you will have to remove the OEM air intake temperature sensor from the OEM airbox and install it into the supplied 3.5" silicone hose as shown in the picture. Install the silicone hose as shown utilizing the supplied hose couplers and aluminum coupler to join our 3.5" silicone hose to the OEM throttle body boot. You will want to secure the hose clamp to the throttle body boot and tighten to the aluminum coupler. The other hose clamp should remain loose until final assembly.





For both the 1995 and 1996-1998 models, at this point install the assembled V-Flow venturi, water shield and OEM MAF assembly into the engine compartment. Insert the MAF into the open 3.5" silicone hose. Do not tighten the hose clamp until the final step.



Secure the V-Flow water shield to the OEM airbox mount on the 1996-1998 model as shown. Use the supplied M10 x 40 mm bolt instead of the OEM long bolt. NOTE: You may have to slice the OEM MAF / temp sensor electric harness shielding in order to gain enough length for these plugs to connect. The 1995 models will attach to the side of the plastic manifold utilizing the mounting tab on the heat shield. The 1995 models will not have the additional mounting bracket as the 1996-1998 models have.



Final assembly photo of the 1995 model. At this point, tighten the hose clamps that connect the MAF housing to the 3.5" silicone hose and the hose clamp that connects the 3.5" silicone hose to the aluminum coupler at the OEM throttle body boot.



Final assembly photo of the 1996-1998 models. At this point, tighten the hose clamps that connect the MAF housing to the 3.5" silicone hose and the hose clamp that connects the 3.5" silicone hose to the aluminum coupler at the OEM throttle body boot.



Final Steps

- Verify that all connections have been secured and that everything is tightened.
- Reinstall the transmission vent line to the front of the V-Flow water shield. On tiptronic cars, reinstall the rubber plug from the OEM airbox in place of this hole.
- Double-check all of your work and adjustments. You will want to make sure there are no clearance issues when closing the decklid. The water shield will be very close to the mechanical arm of the tail. If there are any clearance issues, you will have to make the necessary adjustments to the mounting rotation, of the MAF assembly. This will allow for proper clearances. We have installed these on numerous vehicles from 1995-1998 model years and when installed properly, there are absolutely no clearance issues with the engine lid.

-If you have any questions about this installation, please call us at (480) 317-9911.

