

INSTALLATION INSTRUCTIONS (v1.0 08/2008)

Harman Motive Intake System
Mitsubishi Lancer Evolution X
 PN: HM-EVOX-CAI



QTY	ITEM	Note
1	Harman Motive Intake Pipe	
1	3.00" x 5.00" Air Filter (AEM)	
1	3.00" to 2.75" Silicone Reducer	For intake to turbo connection
1	1.5" x 9" Silicone Hose	For lower intercooler pipe to BPV
1	1.5" x 5.5" Silicone Hose	For BPV to HM Intake
1	6mm x 18.5" Vacuum Hose	For BPV vacuum connection
1	6mm x 10" Vacuum Hose	For valve cover to intake connection
1	2 13/16 - 3 3/4 Hose Clamp	Intake to 3.00 to 2.75" Reducer
1	2 5/16 - 3 1/4 Hose Clamp	From 3.00 to 2.75" Reducer to turbo
4	1 1/16 - 2" Hose Clamp	For 1.5" silicone BPV connections
2	4mm x .7mm x 12mm Stainless Bolt	For MAF sensor
2	4mm Flat Washer	For MAF sensor
2	4mm Lock Washer	For MAF sensor
5	Short Tie Wraps	For various vacuum hose connections
2	Long Tie Wraps	For routing BPV vacuum hose

Thank you for purchasing the Harman Motive Intake System for the Mitsubishi Lancer Evo X. We know you'll appreciate the quality and performance of this Harman Motive product.

These instructions are intended as a guide to properly install your product. Please take care and take your time.

Should you have any questions or comments, please don't hesitate to contact us. We sincerely appreciate your business and support.

WARNINGS AND NOTES

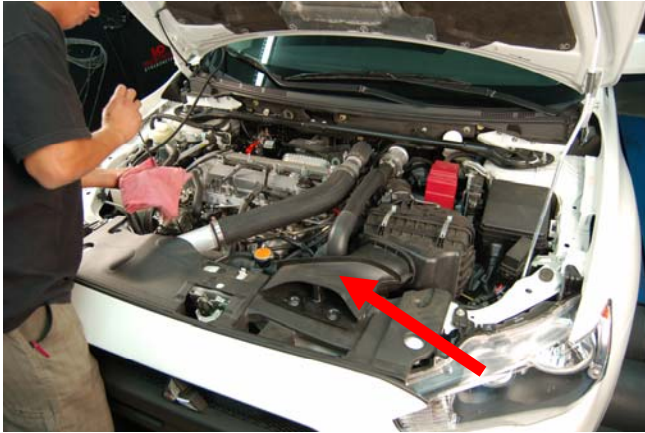
1. Make sure ignition is turned off (dash off). For extra protection, you may disconnect the battery (in the trunk).
2. Take great care with you MAF sensor. It is fragile and can easily be damaged. Be sure not to pinch the o-ring when installing the sensor into the Harman Motive intake pipe.
3. Make sure to check all vacuum lines before starting the car. If you forget to connect the crank case vent, BPV vacuum line, boost solenoid lines, etc. your car will not run correctly.
4. If you have a rough idle after starting the car, please be sure all vacuum lines are connected and that your MAF sensor is properly seated and plugged in.
5. The supplied AEM filter uses no oil. You should clean your filter every 10,000 miles or when it becomes dirty. Simply wash with warm water and Simple Green™ from the inside out. Let dry completely and reinstall!
6. Make sure to install the BPV (turbo bypass valve) in the correct orientation. See Step #9 for a picture. Installing the BPV backwards will cause turbo surge and poor drivability.

TOOLS REQUIRED

1. FLAT HEAD SCREWDRIVER
2. PHILIPS HEAD SCREWDRIVER
3. RATCHET
4. 8MM SOCKET
5. 10MM SOCKET
6. T20 TORX
7. CUTTERS FOR TIE WRAPS
8. NEEDLE NOSE PLIERS

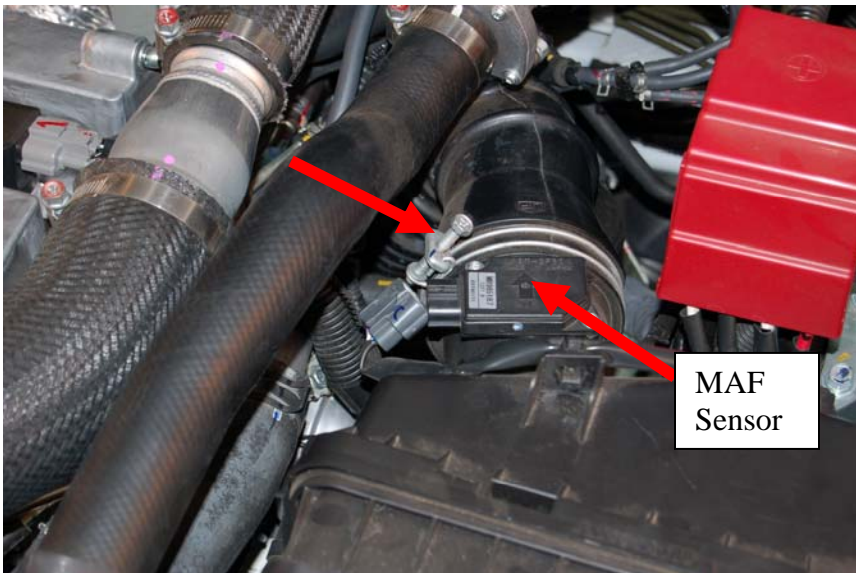
INSTALLATION INSTRUCTIONS

1. REMOVE AIRBOX SCOOP

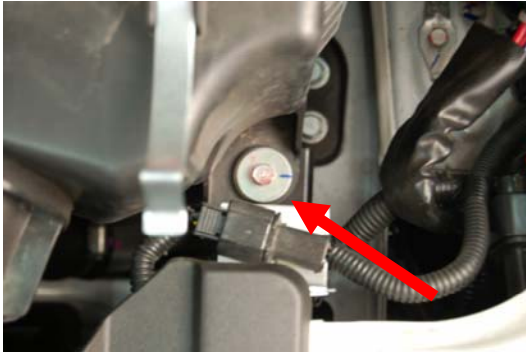


- Remove two plastic body clips with Phillips head screwdriver
- Gently pull scoop away from airbox

2. REMOVE AIRBOX



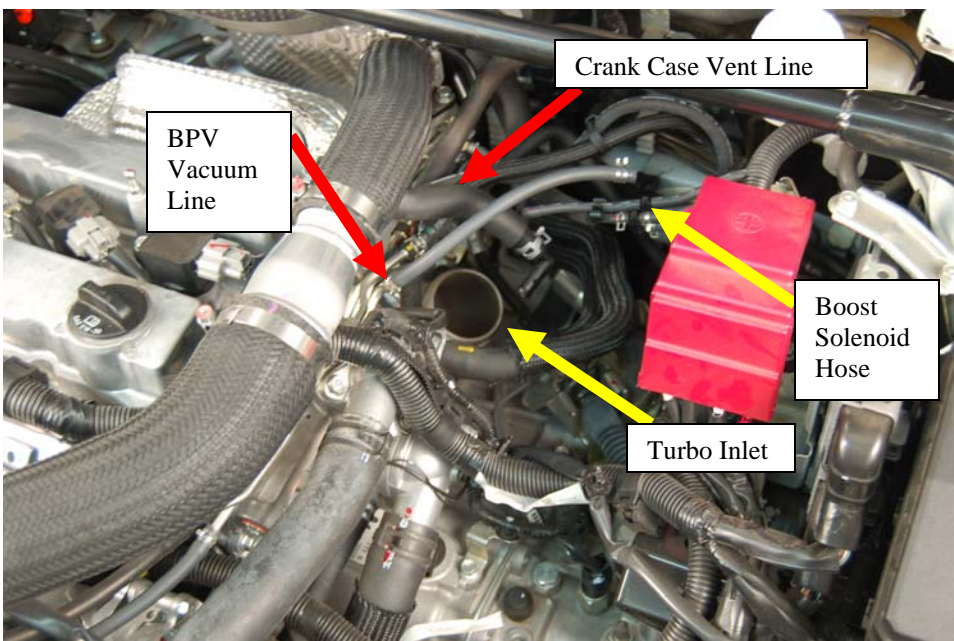
- Disconnect MAF sensor plug and loosen hose clamp



- Remove 10mm bolt connecting airbox to bracket
- Remove entire airbox and MAF assembly by gently pulling up and away from the factory rubber intake pipe
- Remove BPV (Turbo Bypass Valve) return hose from IC to BPV
- Remove BPV from rubber intake pipe and completely disconnect BPV vacuum line

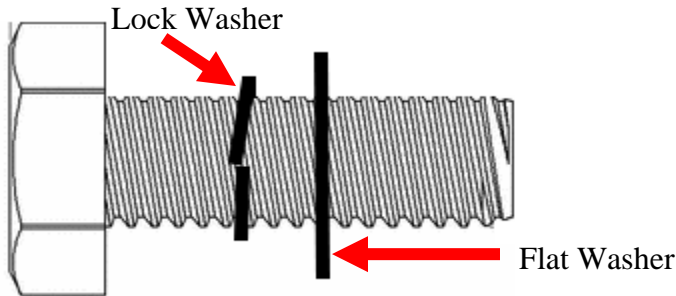
3. REMOVE RUBBER INTAKE PIPE FROM TURBO

- Loosen hose clamp from intake pipe to turbo
- Remove boost solenoid hose from intake pipe (leave connected to solenoid)
- Remove crank case vent line (take off completely)
- Pull intake pipe away

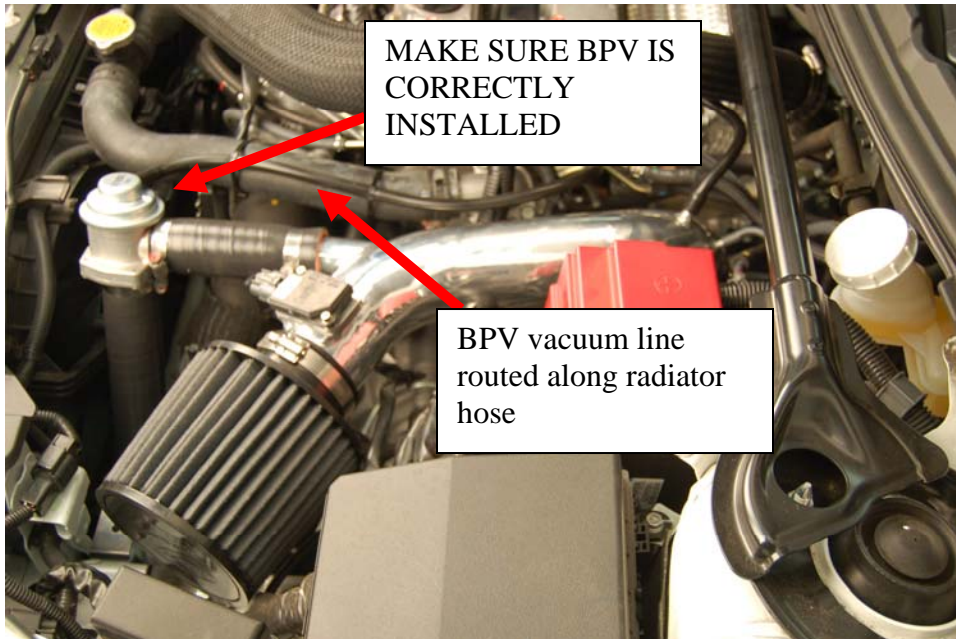


NOTE: PICTURE SHOWS RUBBER INTAKE PIPE ALREADY REMOVED

4. **REMOVE MAF SENSOR FROM STOCK AIRBOX AND INSTALL TO HARMAN INTAKE PIPE. BE CAREFUL NOT TO PINCH OR DAMAGE THE RUBBER O-RING ON THE MAF SENSOR.** Use supplied 4mm bolt with lock washer and washer to attach MAF sensor to intake pipe. **DO NOT OVERTIGHTEN.**

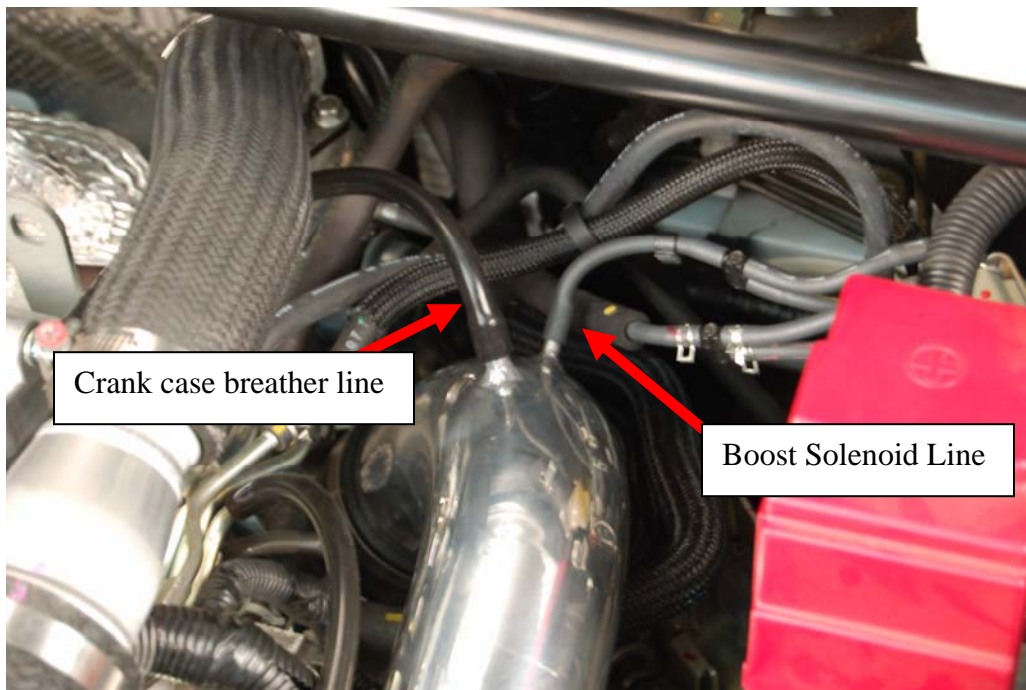


5. **INSTALL 3.00" TO 2.75" SILICONE REDUCER TO TURBO WITH SUPPLIED CLAMP.** Small side goes to the turbo.
6. **INSTALL HM INTAKE PIPE TO SILICONE REDUCER WITH CLAMP**
7. **CONNECT MAF SENSOR PLUG TO MAF SENSOR**
This is the most common problem when installing the intake. Don't forget to plug in the MAF sensor before turning the ignition. Failure to do so will cause a CEL.
8. **INSTALL CONE FILTER USING SUPPLIED HOSE CLAMP**
9. **INSTALL BPV**



- 9" Long 1.5" OD hose goes from factory lower intercooler pipe to BPV (goes to the port on the bottom of the BPV) w/ 2 clamps
- 5" Long 1.5" OD hose goes from side of BPV to the HM intake w/ 2 clamps
- 18.5" Long 6mm hose replaces factory vacuum line to BPV. Secure vacuum hose with supplied small tie wraps.
- Carefully route BPV vacuum hose along the radiator hose and use supplied long tie wraps. Make sure hose is clear of radiator fans.

10. INSTALL BOOST SOLENOID AND CRANK CASE VENT LINES



- Install factory boost solenoid vacuum line to intake pipe. Secure vacuum line with supplied small tie wrap.
- Install Crankcase Breather Line to valve cover and intake pipe. Secure breather hose with supplied small tie wraps.

INSTALLATION IS NOW COMPLETE. PLEASE DOUBLE CHECK YOUR WORK AND THEN START THE CAR. CAR SHOULD IDLE AND DRIVE SMOOTHLY WITH NO CEL.

IF YOU HAVE ANY ISSUES – PLEASE CONTACT US IMMEDIATELY.