

## JLT Ram Air Intake (96-04 GT):

### Tools Required:

- ✓ Flat head screwdriver
- ✓ Ratchet
- ✓ 5/16" socket
- ✓ 10mm socket
- ✓ 11mm socket
- ✓ Shop rag
- ✓ For 96-01 cars, a drill and spade bit

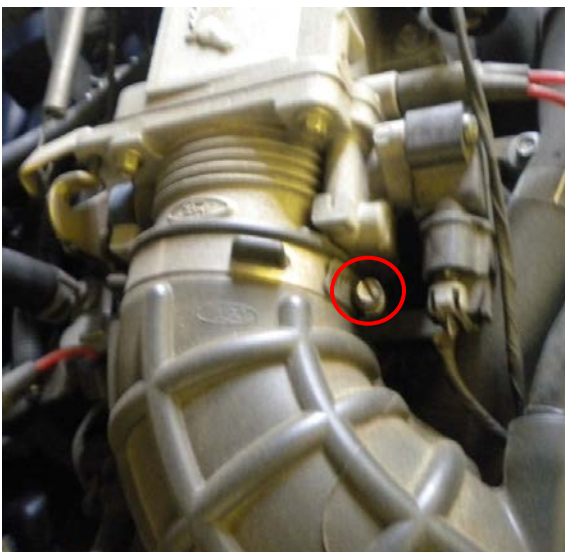
**Installation Time:** Approximately 1 hour

Before Installation:

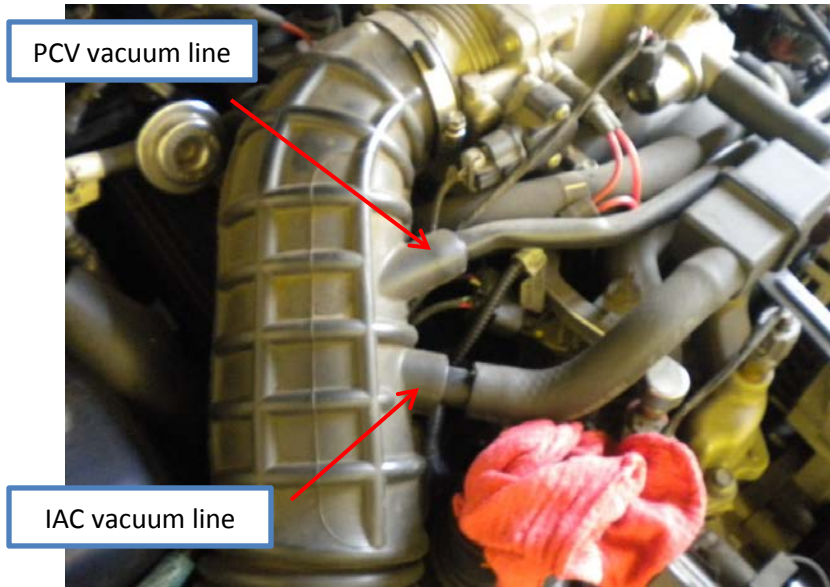


### Removal Procedure:

1. Raise and secure hood. Disconnect negative battery terminal lead using ratchet and 5/16" socket.
2. Remove oil fill cap and place shop rag over its opening on the valve cover to prevent any dust or debris from getting into the motor.
3. Disconnect mass air flow sensor connection.
4. Loosen upper intake band clamp connecting factory upper intake tubing to the throttle body using the flat head screwdriver. Remove upper intake tube from the throttle body; this may take some coaxing.



5. Remove the (2) vacuum hoses (IAC and PCV hoses) from intake and set to side for now.



6. Remove the (1) 5/16" air box bolt holding the factory air filter housing to the fender.



7. Remove factory intake from engine bay.



## Installation Procedure:

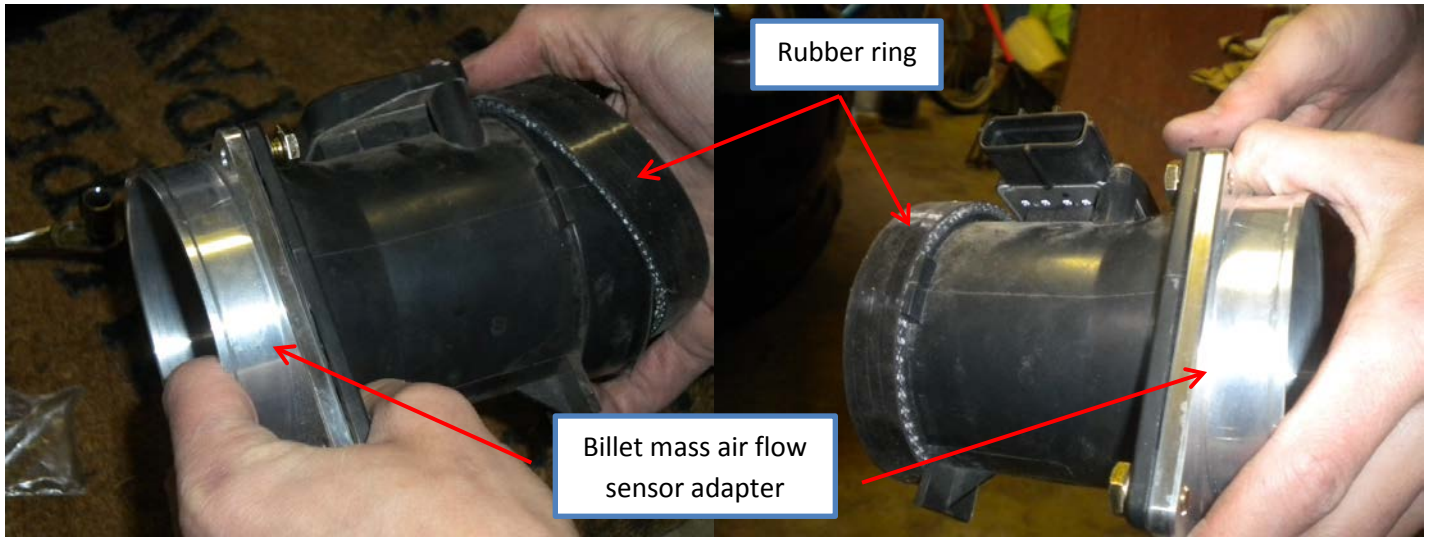
1. With factory intake removed, remove the (4) 10mm bolts holding the mass air flow sensor housing to the factory air filter housing.



2. Remove band clamp holding the mass air flow sensor to the factory upper intake tube using a flat head screwdriver.



3. Begin assembling the JLT Ram Air Intake, starting by attaching the factory mass air flow sensor to the provided billet mass air flow sensor adapter using the (4) provided 11mm bolts. Snug the (4) bolts using the ratchet and 11mm socket, but be sure not to over tighten. Then slide on the rubber ring onto the mass air flow sensor.



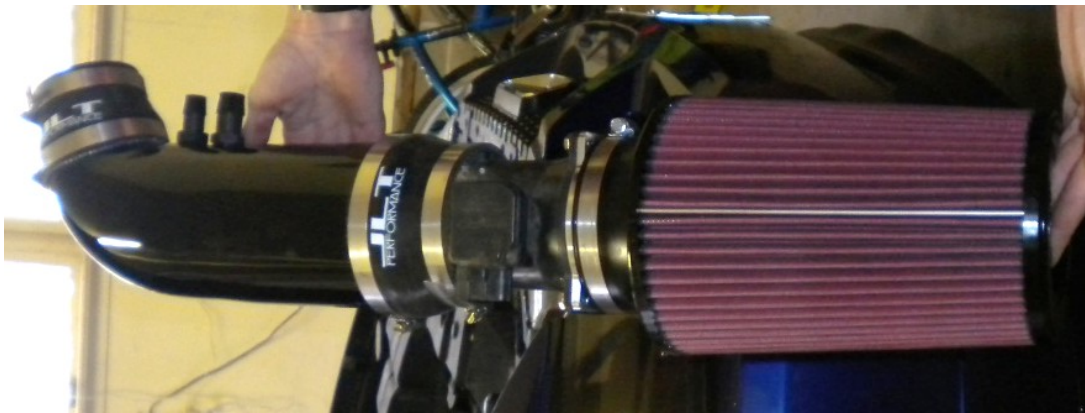
4. Install new air filter by sliding it onto the billet mass air flow sensor adapter. Tighten band clamp using flat head screw driver.



5. On JLT intake pipe, install the larger silicone reducer on the larger end and the smaller silicone reducer on throttle body end. Apply band clamps and tighten reducers to intake pipe.
6. If your car is between the years of 1996 and 2001 and is equipped with an IAT sensor (located on the underside of the factory intake tube), you will need to use a drill and spade bit to drill a hole in the bottom of the JLT intake tube. Also, use the provided silicone grommet on the newly drilled hole.



7. Connect JLT intake tube to mass air flow sensor housing and tighten band clamp using a flat head screwdriver.



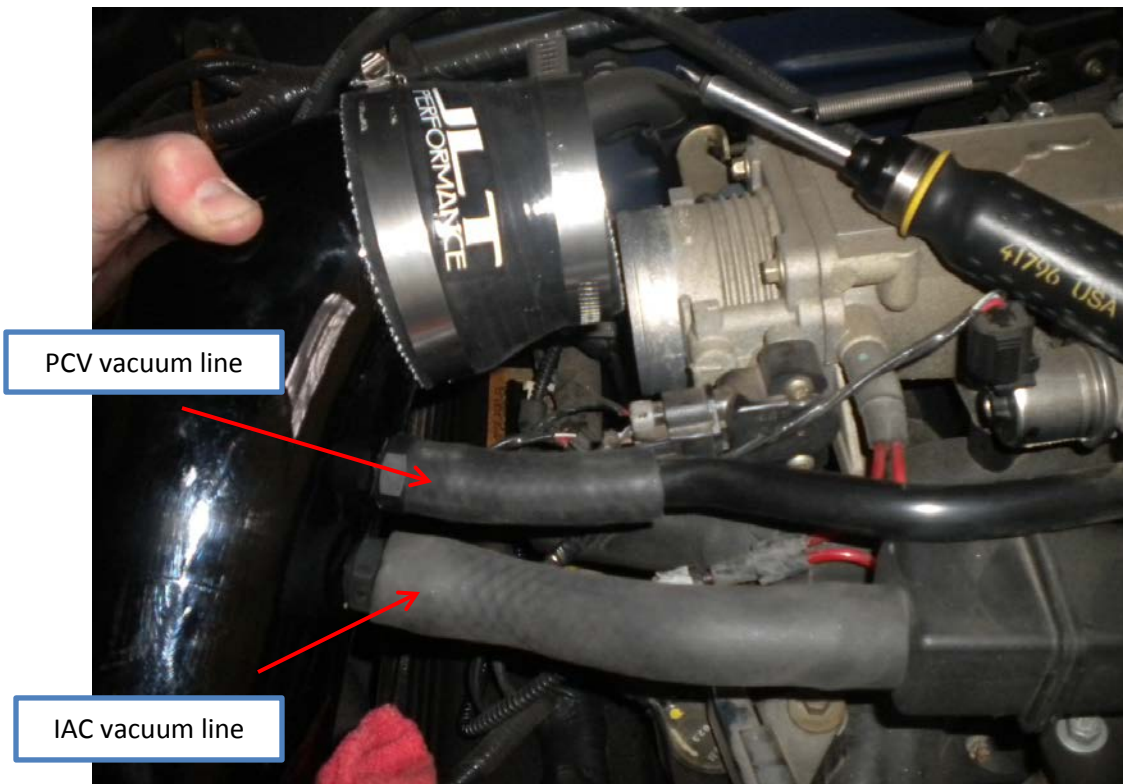
8. Apply the 5/8" vacuum hose extension to the PCV vacuum line fitting on JLT intake pipe (upper fitting).



9. Move assembled Ram Air Intake to engine bay. Orient the assembly into position by setting the filter end in first.



10. With intake in place connect PCV and IAC vacuum lines to the JLT Intake Tube.



11. Tighten band clamp holding the upper silicone reducer to throttle body using a flat head screw driver.



12. With intake in place, install heat shield reusing the factory 5/16" bolt.



13. Remove shop rag from oil fill tube and re-install oil fill cap.
14. Reconnect mass air flow sensor connector.
15. Reconnect negative battery terminal lead using 5/16" socket and ratchet.
16. Go back over each band clamp and vacuum line connection to ensure they are all snug.
17. Lower hood and enjoy.



Installation Instructions written by AmericanMuscle customer John Collmann 12.28.11