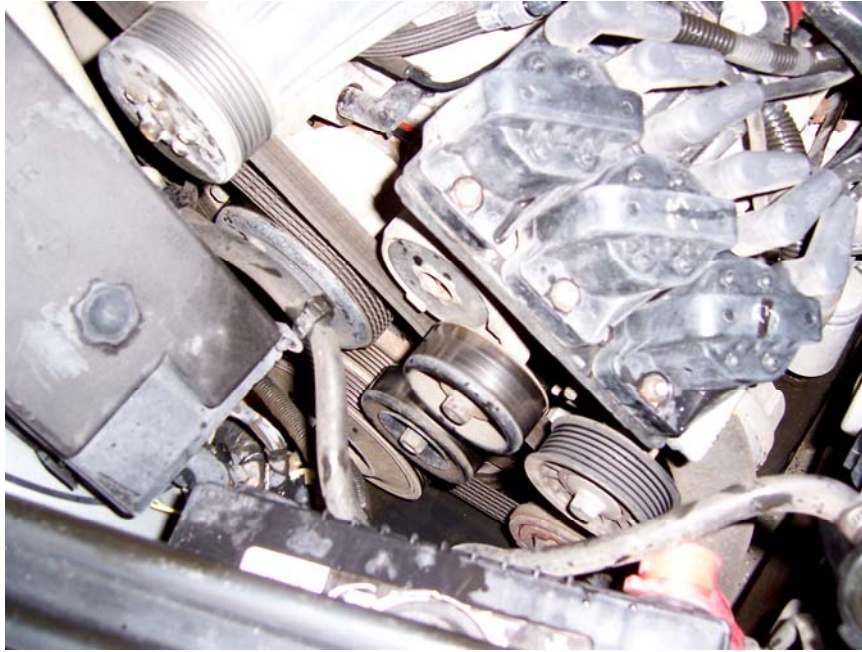


INTERCOOLER INSTALLATION INSTRUCTIONS

1. Remove fuel pump relay circled and attempt to start car three times. This will relieve the fuel pressure in the system to allow fuel rail to be removed later.

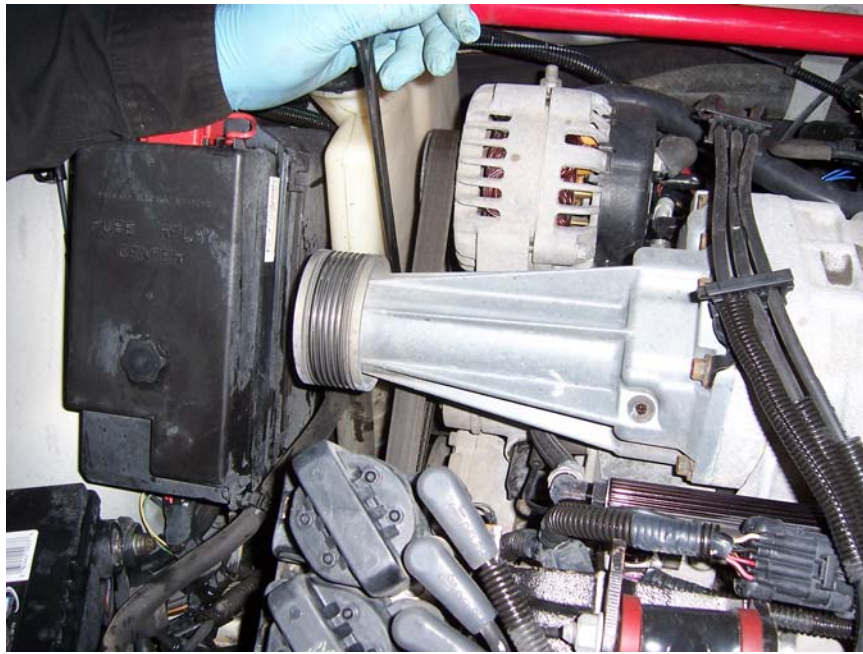


2. Disconnect negative battery cable with 5/16" wrench
3. Drain some coolant using petcock on driver's side bottom of radiator
4. Remove supercharger belt. A long 15mm wrench works well to turn the tensioner clockwise to loosen belt.



5. Remove accessory belt using the same 15mm wrench to turn the tensioner counter-clockwise.



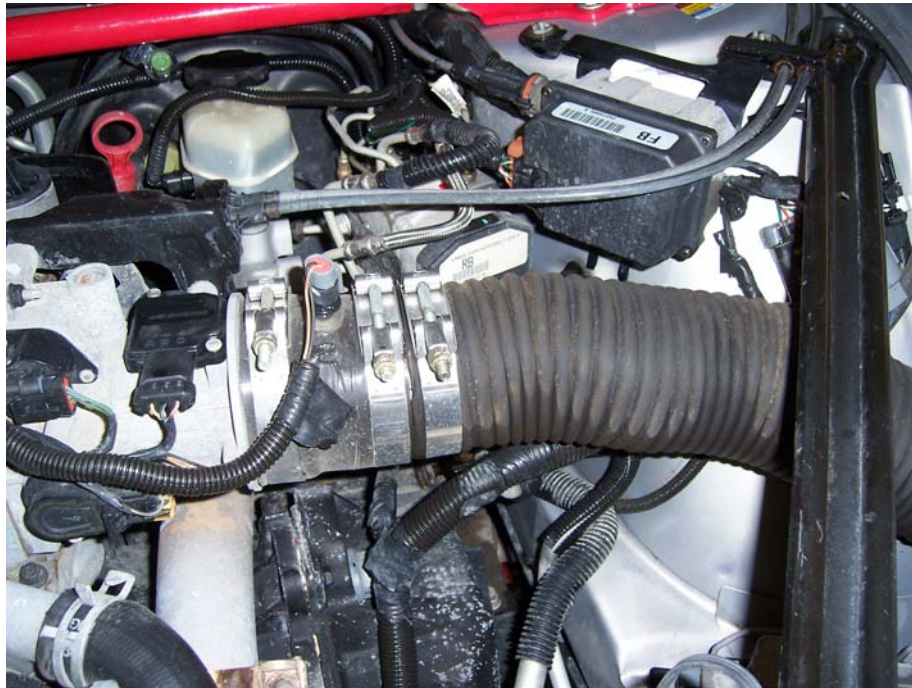


6. Remove strut tower brace (if applicable)
7. Remove overflow tank. (2) 10mm nuts.

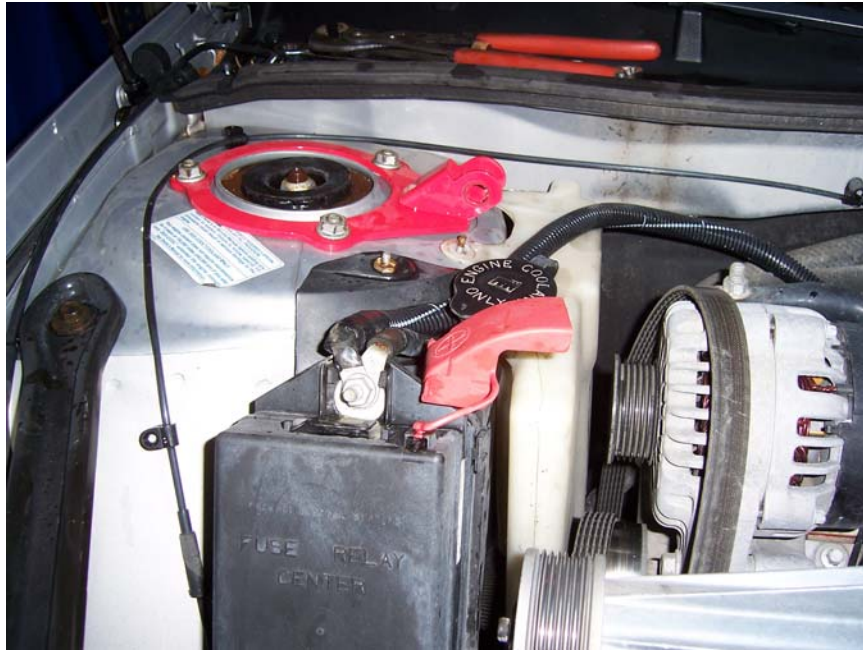




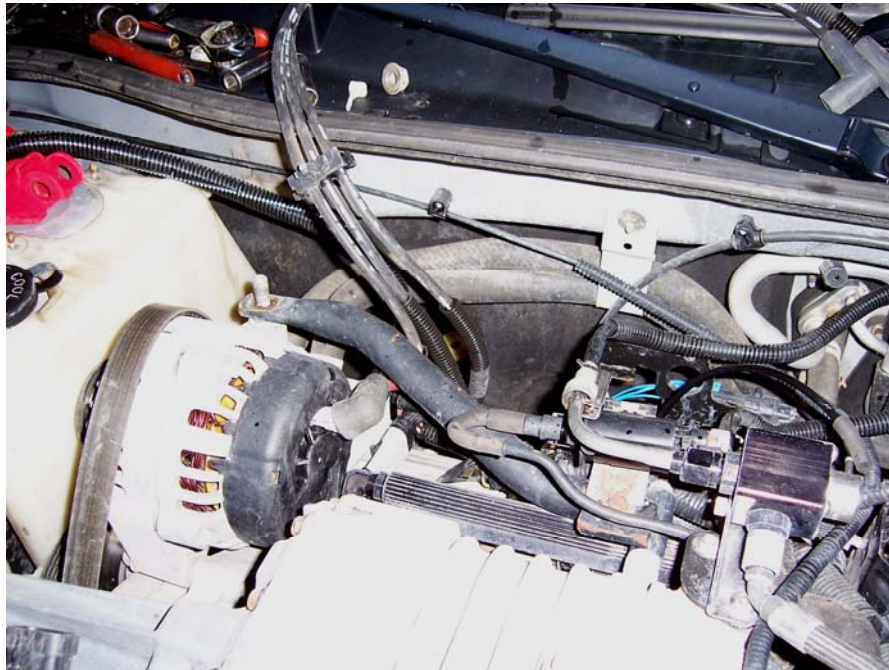
8. Disconnect air intake from throttle body



9. Disconnect rear spark plug wires from coils
10. Remove alternator jumper wire (if applicable)



11. Disconnect injector wiring, bypass solenoid, ECT, vacuum to bypass valve, vacuum to the fuel pressure regulator, IAT sensor, TPS, IAC, EGR, vacuum to the heater controls and brake booster.
12. Remove alternator brace and EVAP solenoid bracket.



13. Remove wire(s) from alternator.
14. Remove alternator. Three 15mm bolts.



15. Remove alternator bracket. Three more 15mm bolts and two heater hoses. If not doing lower intake the bracket can be left on the car to avoid damaging the two plastic coolant elbows.



16. Remove throttle cables. Cruise cable pushes off. Rotate linkage to access throttle cable ferrule.



17. Remove cap from Schrader valve on fuel rail and drape a rag over it. Use a screwdriver to press the valve. This will release any remaining fuel pressure in the rail so use caution.



18. Remove fuel rails. Four 10mm nuts. Special tool may be needed to release fuel lines. ZYP or any auto parts store will have these available.



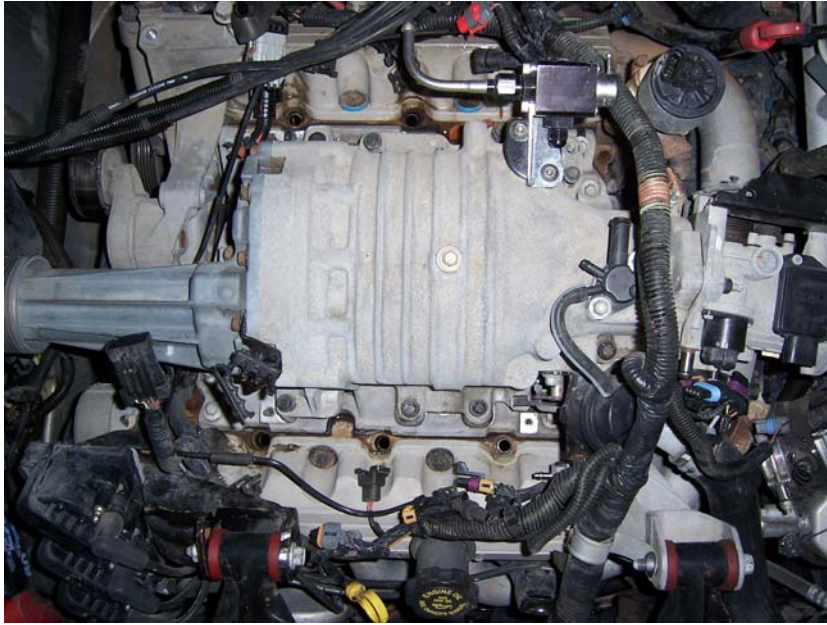
19. Remove EGR heat shield. One 10mm nut and one 10mm bolt on back.



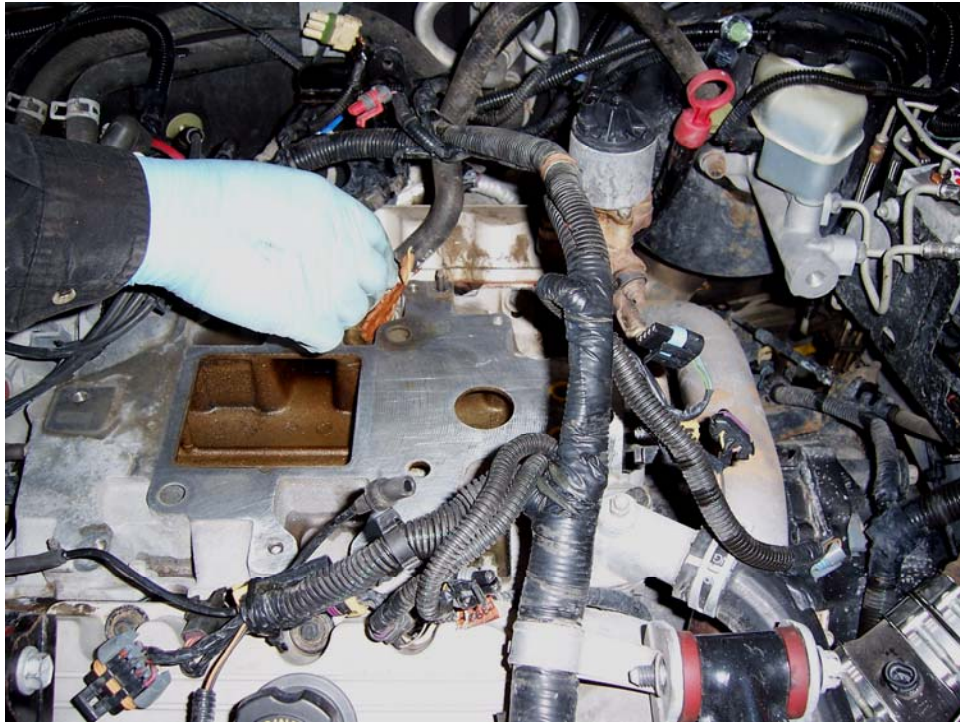
20. Pull wiring harness straight up to gain clearance over the supercharger. Removing this hold-down allows harness to move further out of the way.



21. Remove MAP bracket from back of supercharger. Two 10mm bolts.
22. Remove ten 10mm supercharger bolts.

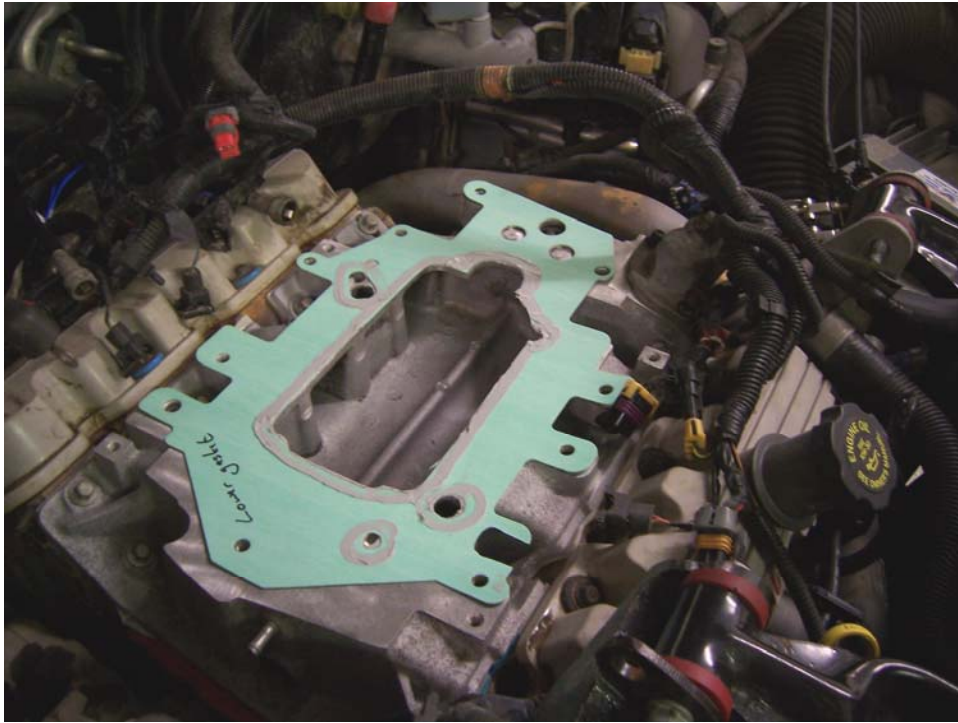


- 23. Remove supercharger.
- 24. Clean lower intake.

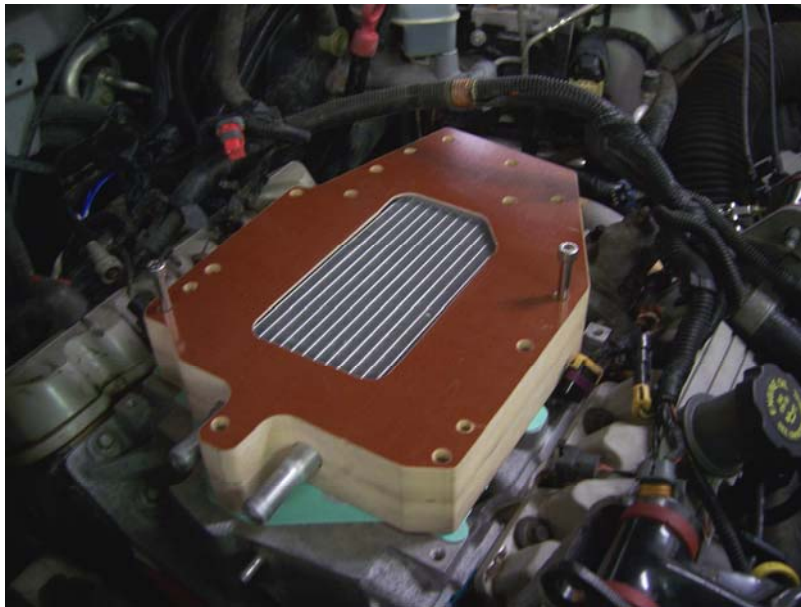


25. Put sealer around all openings on both sides of lower intercooler gasket and lay it on the lower intake.





26. Lay intercooler on gasket and line it up with supercharger bolts.



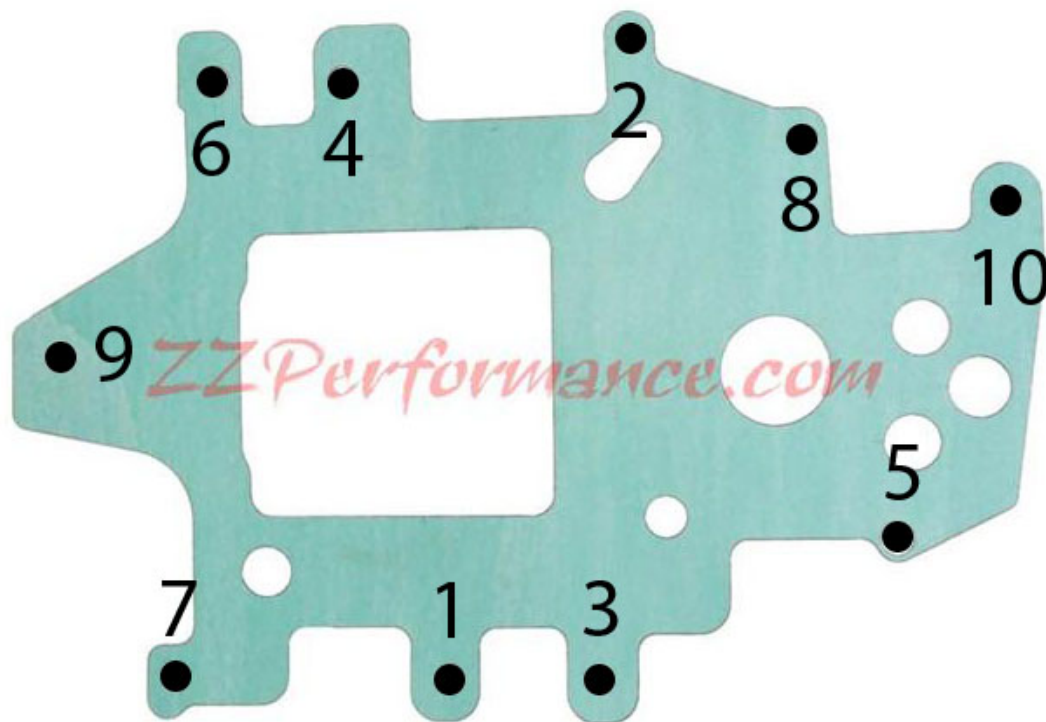
27. Put sealer on the intercooler side of the upper gasket and lay that in place. The top of the gasket does not need sealer.

28. Set supercharger on gasket.



29. Install ten longer supercharger bolts from kit. The longest one goes near throttle body and the second longest goes by the supercharger snout.
30. Tighten supercharger bolts using the procedure below.

3800 Supercharger torque sequence



Torque bolts to 17ft/lb.

Gasket is for visual reference only and may not be the gasket used in certain applications.

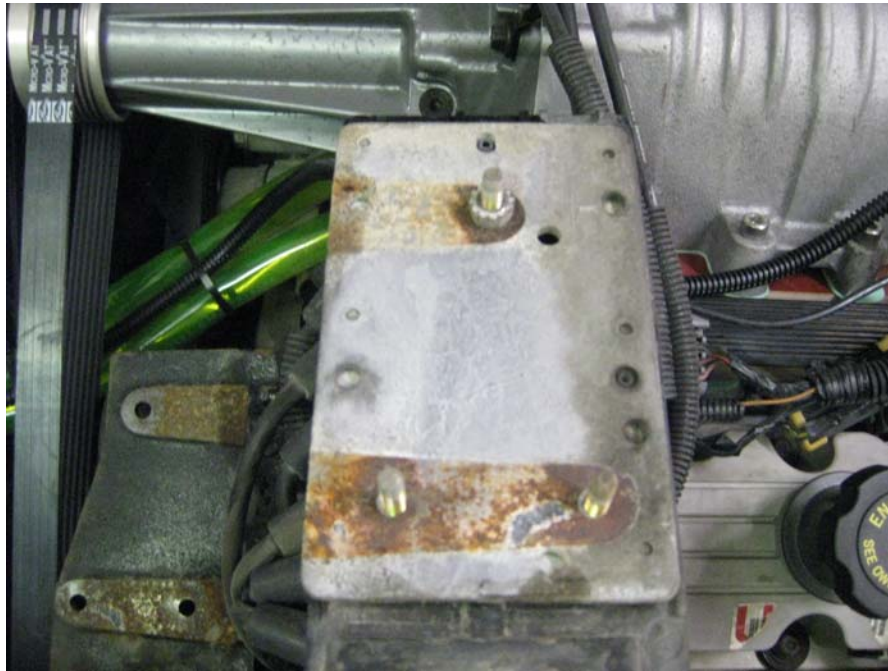
31. When done, spin blower by hand to make sure that the rotors are not contacting the housing, if they are, then retorque SC down until it spins freely.
32. Reinstall alternator bracket and heater hoses.
33. Reinstall fuel injectors and rails.
34. Reinstall throttle body.
35. Reinstall air intake and connections from wiring harness.
36. Reinstall throttle cables and MAP bracket.
37. Reconnect spark plug wires to coils

38. Alternator brace is omitted and EVAP solenoid can be zip tied to MAP sensor bracket.



39. Reinstall alternator

40. Reinstall accessory belt and supercharger belt. A longer supercharger belt is included for the taller intercooler. Coils must be removed and one nut swapped to top of bracket as shown for belt clearance with the taller intercooler. The remaining two bolts are more than sufficient to hold the coil packs on.



41. Connect wire(s) to alternator.
42. Reinstall overflow bottle.