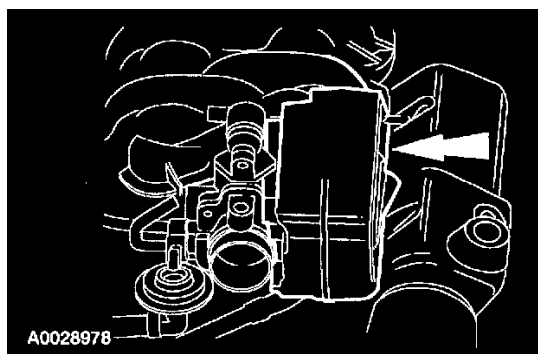


Fuel Injector Wiring Harness: Service and Repair

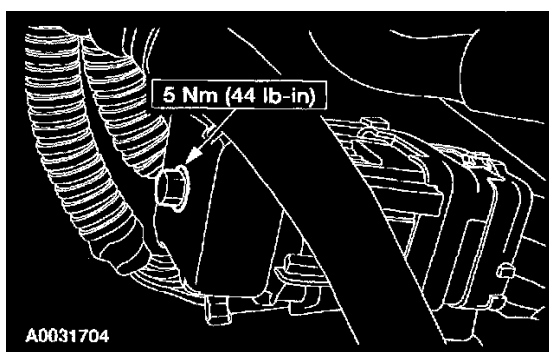
REMOVAL

WARNING: DO NOT SMOKE OR CARRY LIGHTED TOBACCO OR OPEN FLAME OF ANY TYPE WHEN WORKING ON OR NEAR ANY FUEL-RELATED COMPONENTS. HIGHLY FLAMMABLE MIXTURES ARE ALWAYS PRESENT AND MAY BE IGNITED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

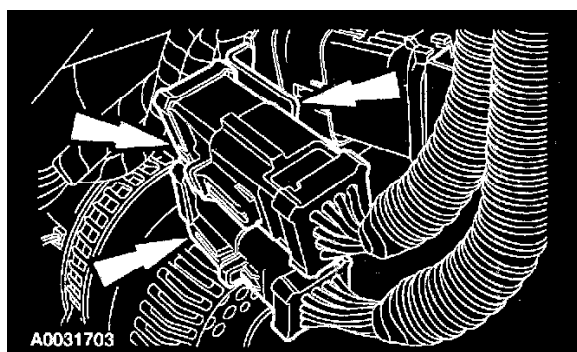
1. Disconnect battery ground cable.
2. Remove the engine cover.
3. Remove the air cleaner assembly.



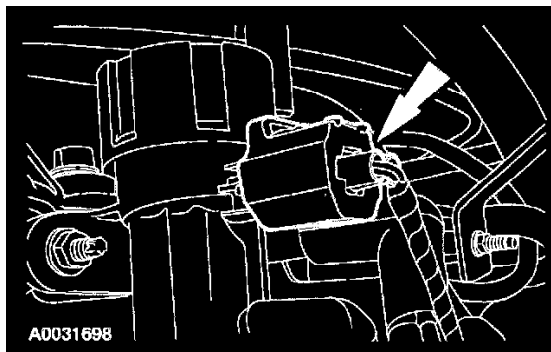
4. Remove the wiring splash shield.



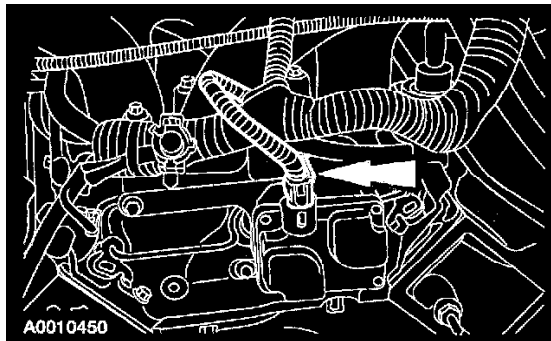
5. Disconnect the 42-pin fuel charging wiring electrical connector.
^ Loosen the bolt and separate the connectors.



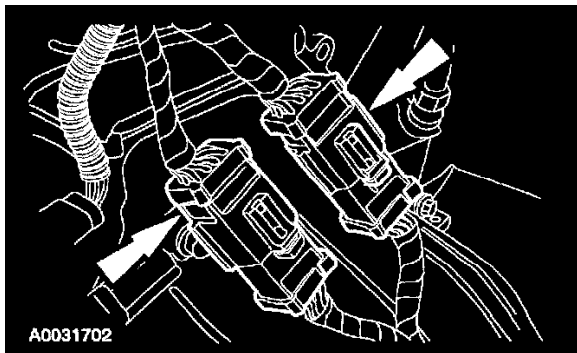
6. Disconnect the two 16-pin fuel charging wiring electrical connectors and remove them from the bracket.



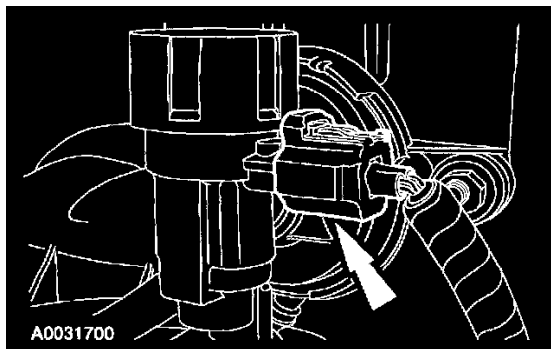
7. Disconnect the Exhaust Gas Recirculation (**EGR**) vacuum regulator solenoid electrical connector.
8. Disconnect the two upstream Heated Oxygen Sensor (**HO2S**) electrical connectors.



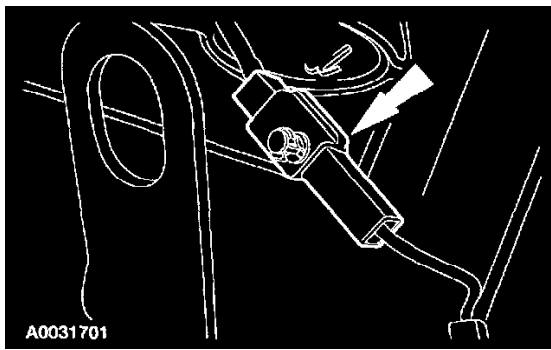
9. Disconnect the Intake Manifold Runner Control (**IMRC**) electrical connector.



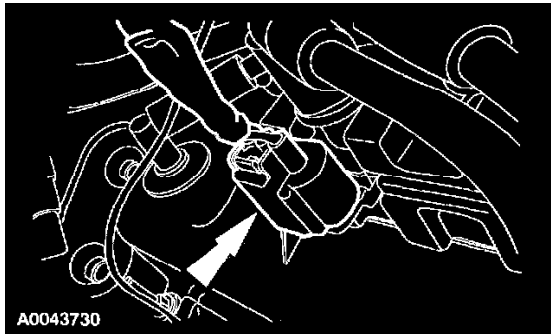
10. Disconnect the transmission wiring harness electrical connectors.



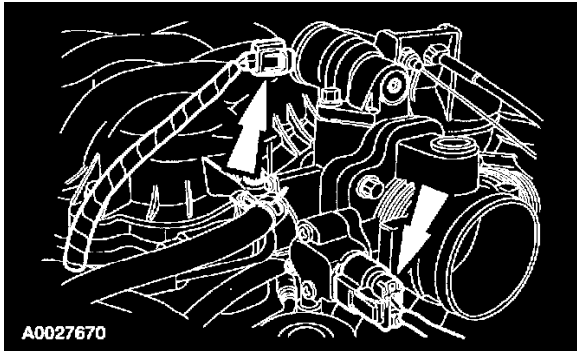
11. Disconnect the vapor management valve electrical connector.



12. Disconnect the radio ignition interference capacitor electrical connector.



13. Disconnect the ignition coil electrical connector.



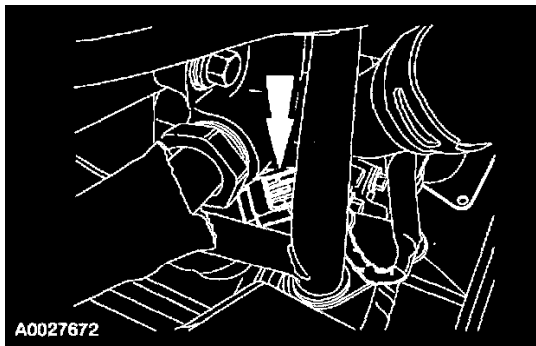
14. Disconnect the Idle Air Control (IAC) valve electrical connector and the Throttle Position (TP) sensor electrical connector.



15. Disconnect the A/C compressor clutch electrical connector.



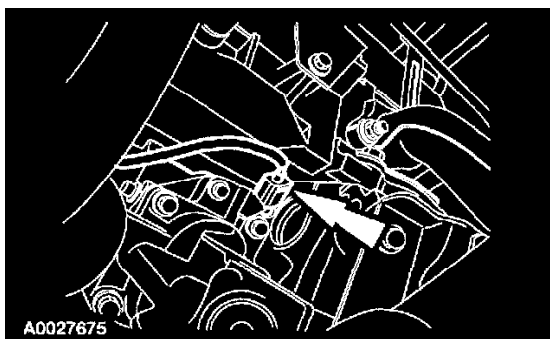
16. Disconnect the differential pressure feedback EGR system electrical connector and the wiring harness pin-type retainer.



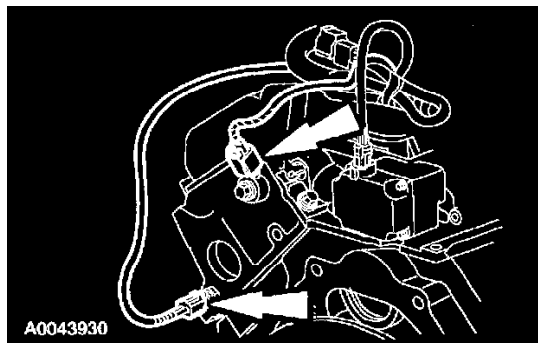
17. Disconnect the camshaft synchronizer electrical connector.



18. Disconnect the Crankshaft Position (CKP) sensor electrical connector and remove the clip from the mounting stud.

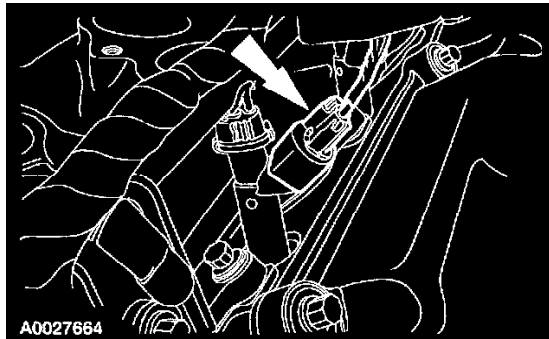


19. Disconnect the oil pressure sensor electrical connector.



20. Disconnect the following electrical connectors:

- ^ Cylinder Head Temperature (CHT) sensor electrical connector.
- ^ Engine knock sensor electrical connector.



21. Disconnect the six fuel injector electrical connectors.

NOTE: Intake manifold removed for clarity. One fuel injector shown, all are similar.

22. Remove the fuel charging wiring.

INSTALLATION

1. To install, reverse the removal procedure.