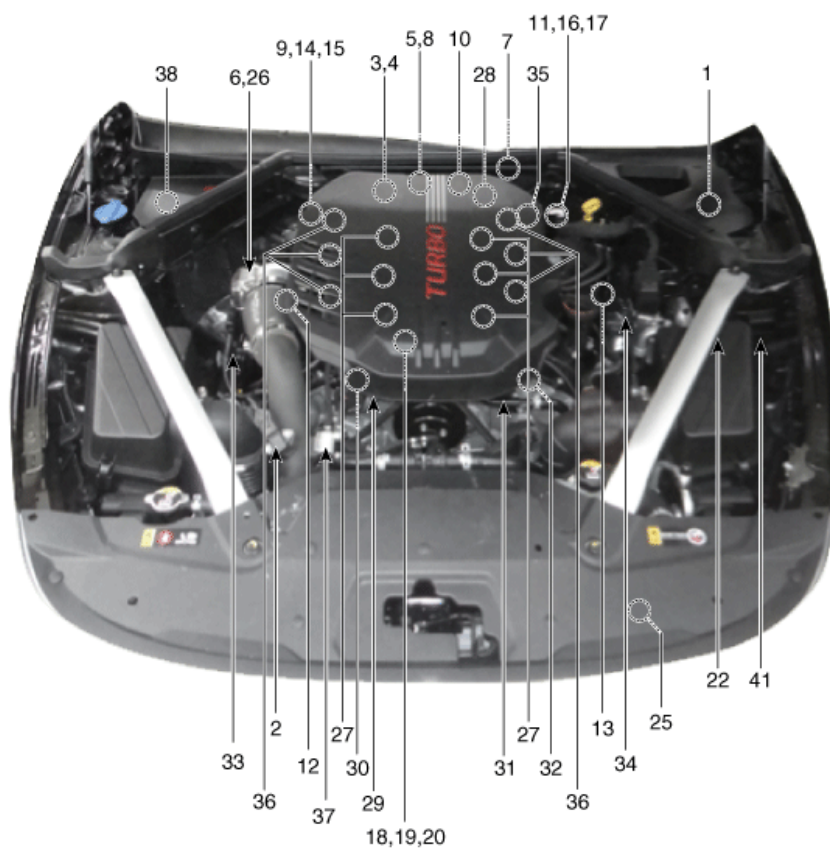
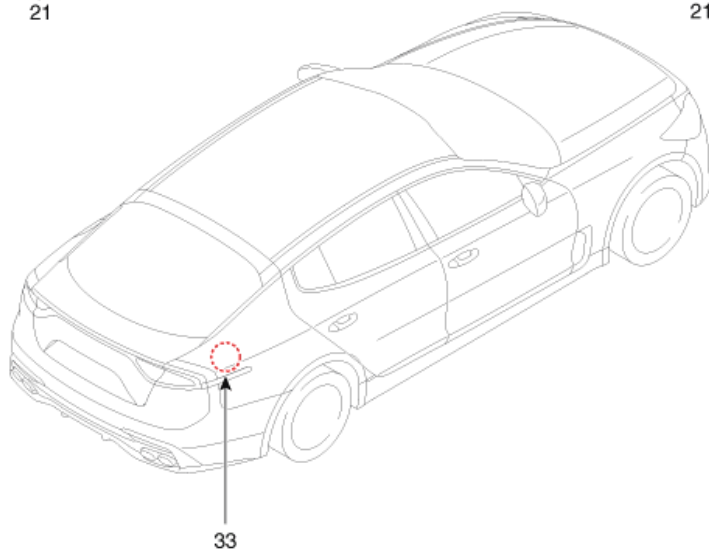


Please rate this document after reviewing at the bottom of this page.

COMPONENTS LOCATION





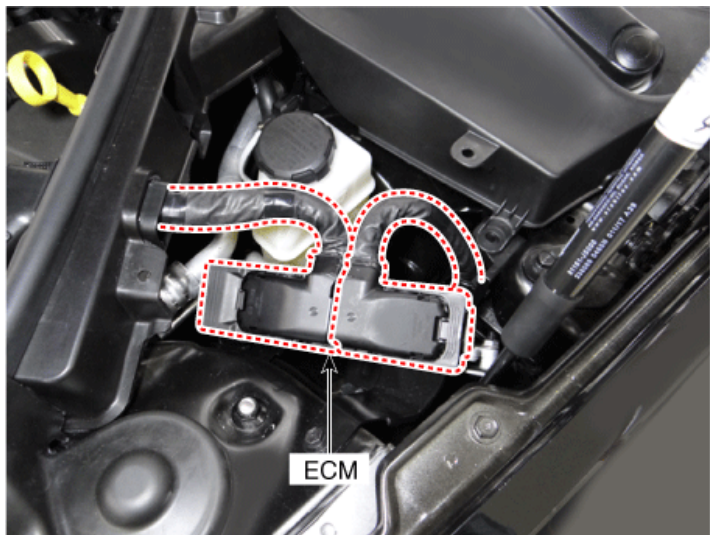
1. ECM (Engine Control Module)
2. Boost Pressure Sensor (BPS)
3. Intake Air Temperature Sensor (IATS)
4. Manifold Absolute Pressure Sensor (MAPS)
5. Engine Coolant Temperature Sensor (ECTS)
6. Throttle Position Sensor (TPS) [integrated into ETC Module]
7. Crankshaft Position Sensor (CKPS)
8. Camshaft Position Sensor (CMPS) [Bank 1 / Intake]
9. Camshaft Position Sensor (CMPS) [Bank 1 / Exhaust]
10. Camshaft Position Sensor (CMPS) [Bank 2 / Intake]

22. A/C Pressure Transducer (APT)
23. Fuel Level Sensor (FLS)
24. Fuel Pressure Sensor (FPS)
25. Ambient Temperature Sensor (ATS)
26. ETC Motor [integrated into ETC Module]
27. Injector
28. Purge Control Solenoid Valve (PCSV)
29. Variable force solenoid (VFS) [Bank 1 / Intake]
30. CVVT Oil Control Valve (OCV) [Bank 1 / Exhaust]
31. Variable force solenoid (VFS) [Bank 2 / Intake]

- 11. Camshaft Position Sensor (CMPS) [Bank 2 / Exhaust]
- 12. Knock Sensor (KS) [Bank 1]
- 13. Knock Sensor (KS) [Bank 2]
- 14. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 1]
- 15. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 2]
- 16. Heated Oxygen Sensor (HO2S) [Bank 2 / Sensor 1]
- 17. Heated Oxygen Sensor (HO2S) [Bank 2 / Sensor 2]
- 18. Rail Pressure Sensor (RPS)
- 19. CVVT Oil Temperature Sensor (OTS)
- 20. CVVT Oil Pressure Sensor (OPS)
- 21. Accelerator Position Sensor (APS)

- 32. CVVT Oil Control Valve (OCV) [Bank 2 / Exhaust]
- 33. Electric Waste Gate Actuator (EWGA) [Bank 1]
- 34. Electric Waste Gate Actuator (EWGA) [Bank 2]
- 35. Fuel Pressure Control Valve (FPCV)
- 36. Ignition Coil
- 37. RCV Control Solenoid Valve
- 38. Main Relay
- 39. Fuel Pump Relay
- 40. Data Link Connector (DLC) [16 Pin]
- 41. Multi-Purpose Check Connector [20 Pin]

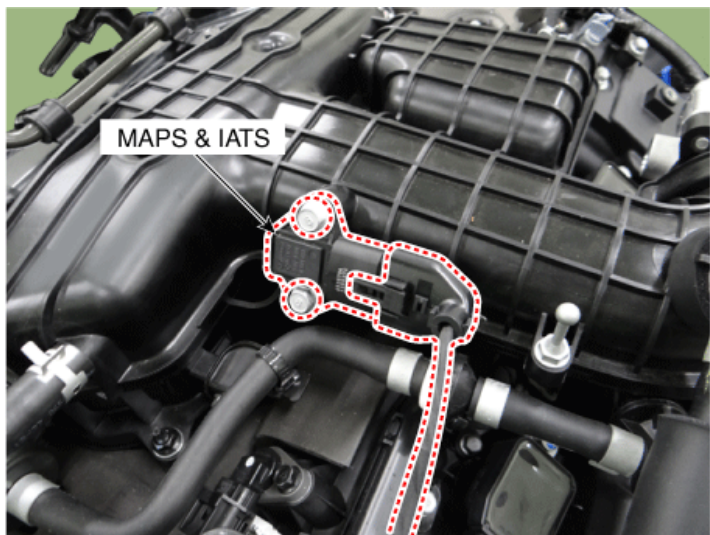
1. ECM (Engine Control Module)



2. Boost Pressure Sensor (BPS)



3. Intake Air Temperature Sensor (IATS)
4. Manifold Absolute Pressure Sensor (MAPS)

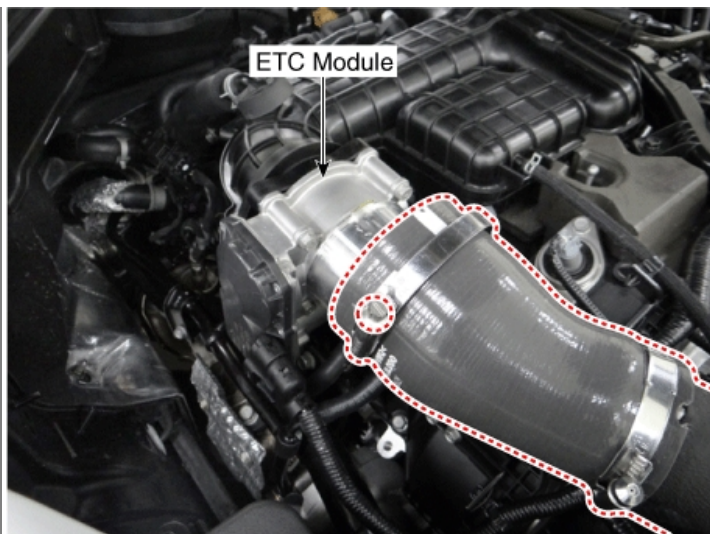


5. Engine Coolant Temperature Sensor (ECTS)



6. Throttle Position Sensor (TPS) [integrated into ETC Module]
26. ETC Motor [integrated into ETC Module]

7. Crankshaft Position Sensor (CKPS)



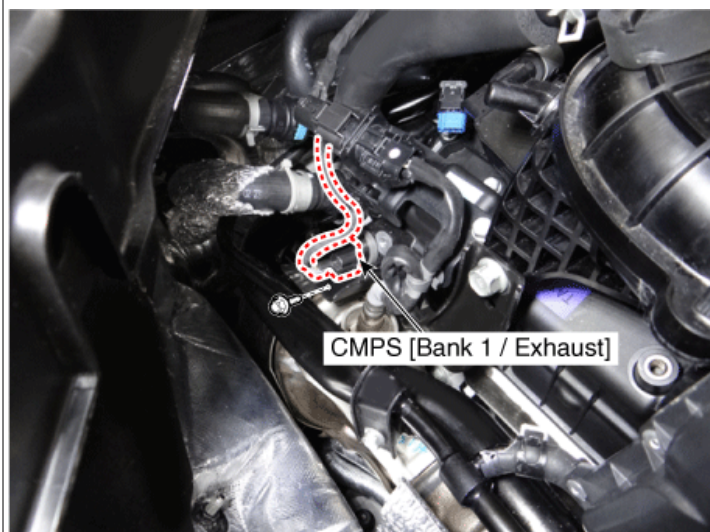
8. Camshaft Position Sensor (CMPS) [Bank 1 / Intake]



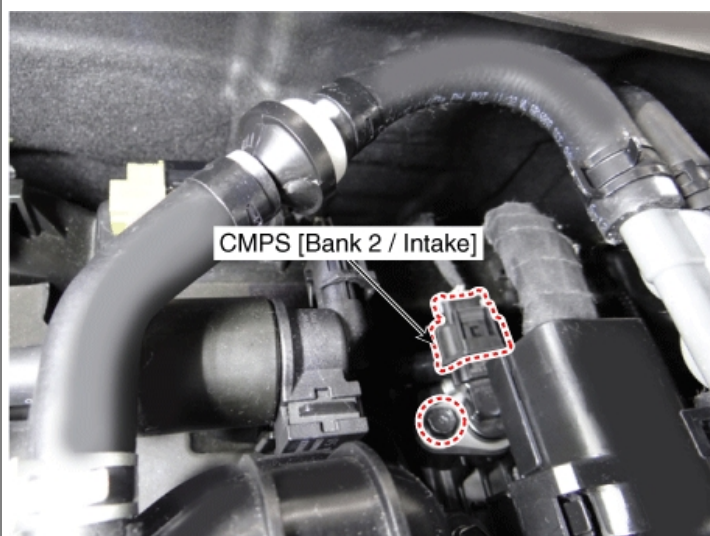
9. Camshaft Position Sensor (CMPS) [Bank 1 / Exhaust]



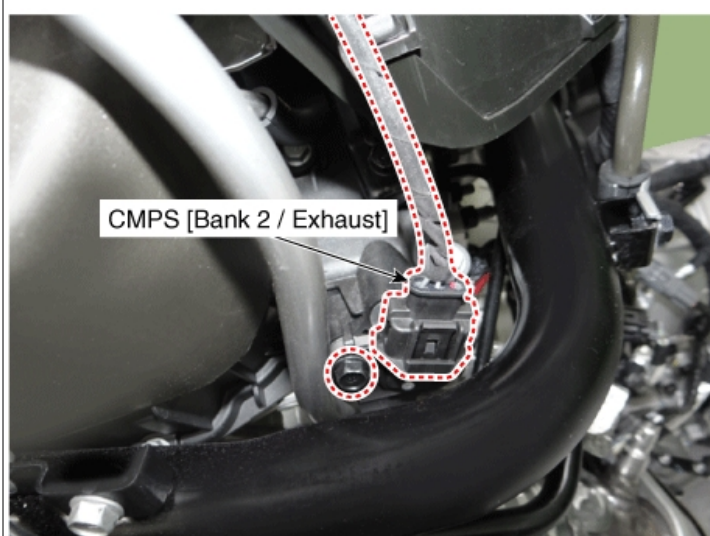
10. Camshaft Position Sensor (CMPS) [Bank 2 / Intake]



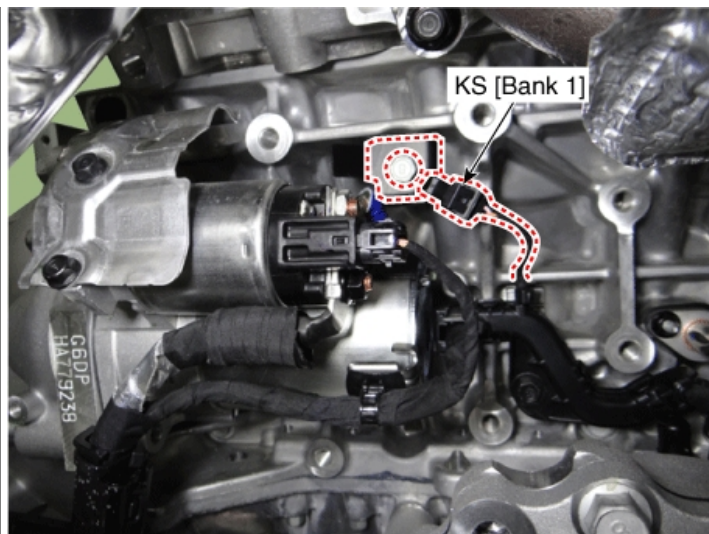
11. Camshaft Position Sensor (CMPS) [Bank 2 / Exhaust]



12. Knock Sensor (KS) [Bank 1]



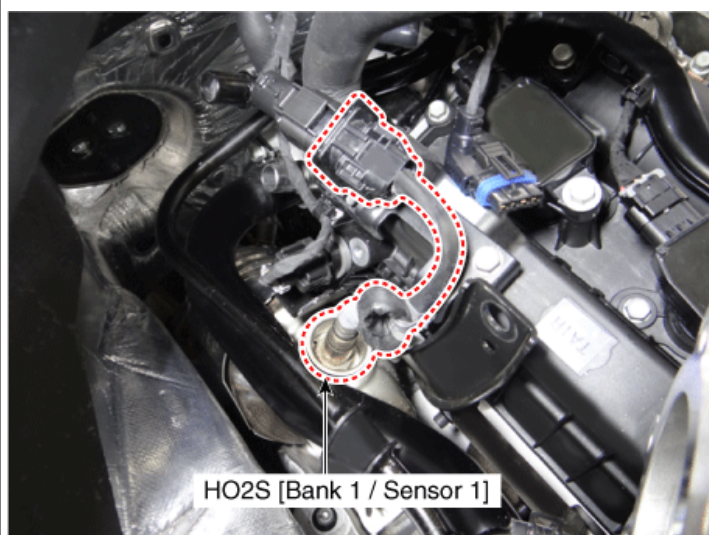
13. Knock Sensor (KS) [Bank 2]



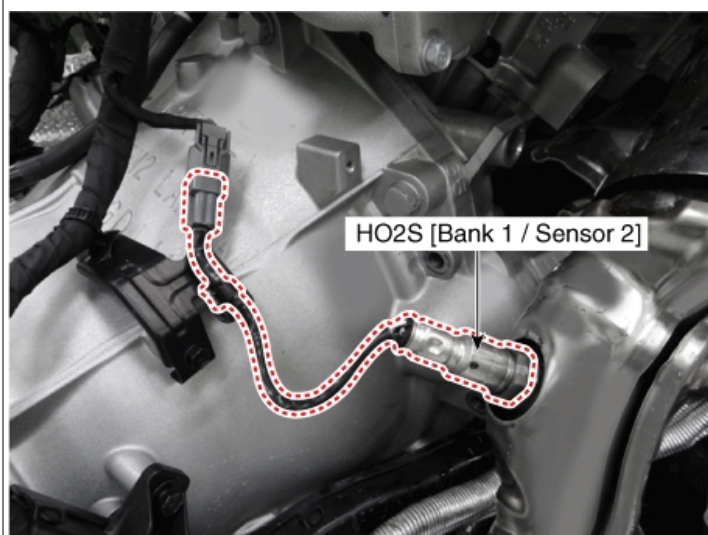
14. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 1]



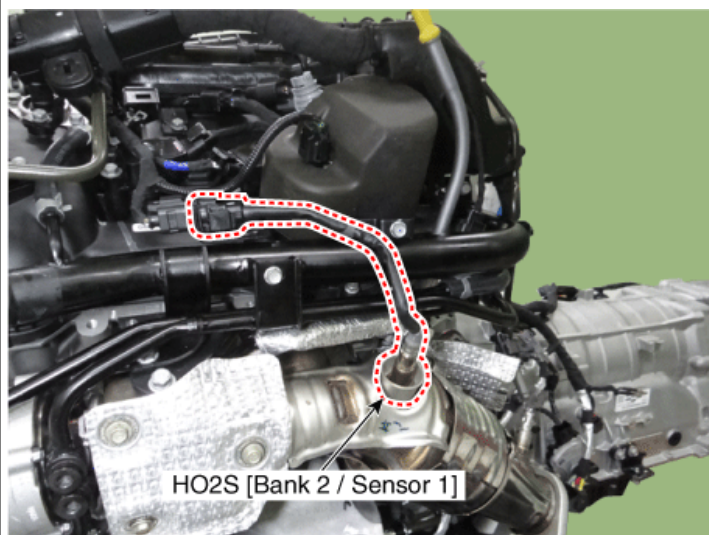
15. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 2]



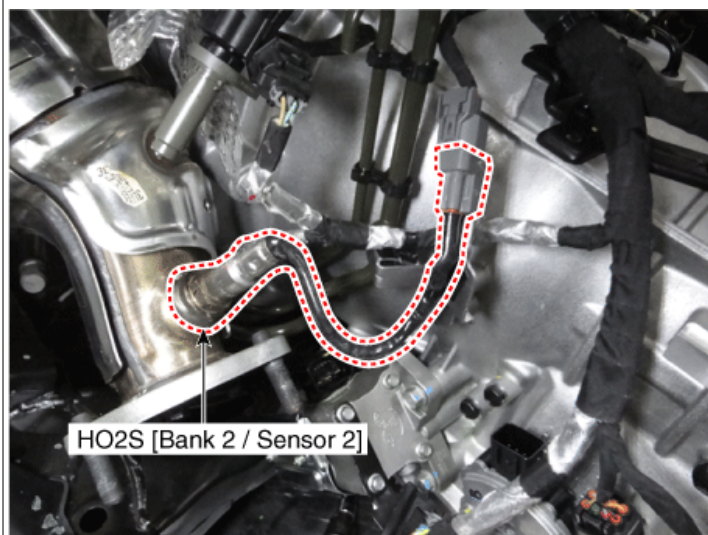
16. Heated Oxygen Sensor (HO2S) [Bank 2 / Sensor 1]



17. Heated Oxygen Sensor (HO2S) [Bank 2 / Sensor 2]



18. Rail Pressure Sensor (RPS)



19. CVVT Oil Temperature Sensor (OTS)

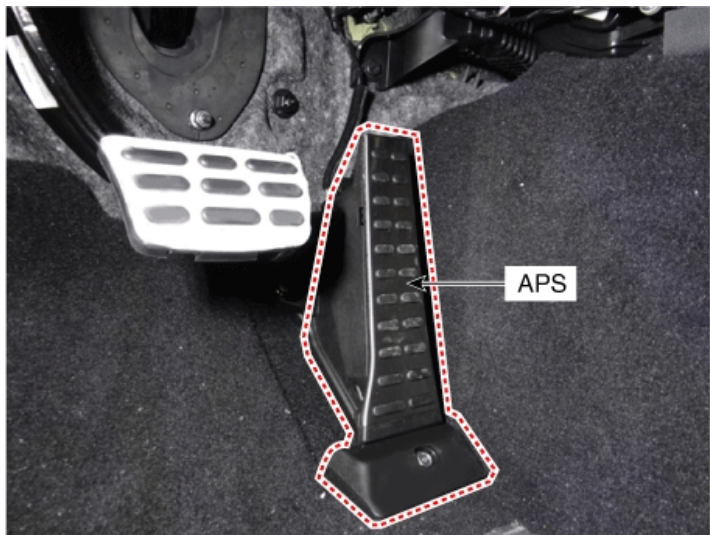
20. CVVT Oil Pressure Sensor (OPS)



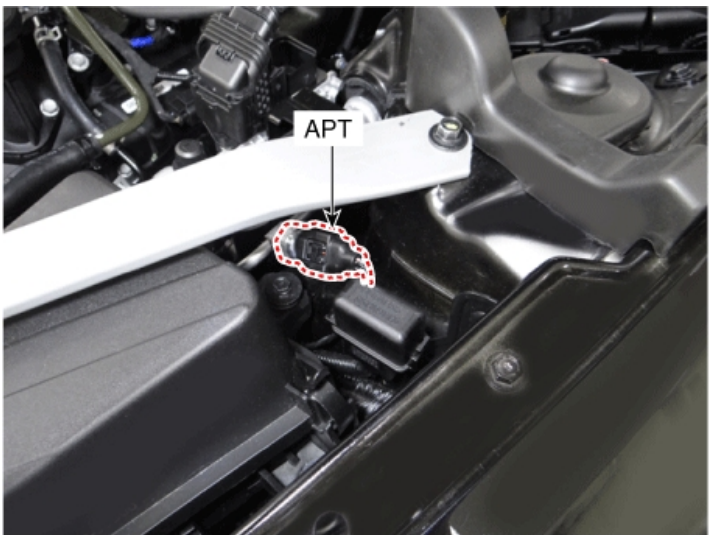
21. Accelerator Position Sensor (APS)



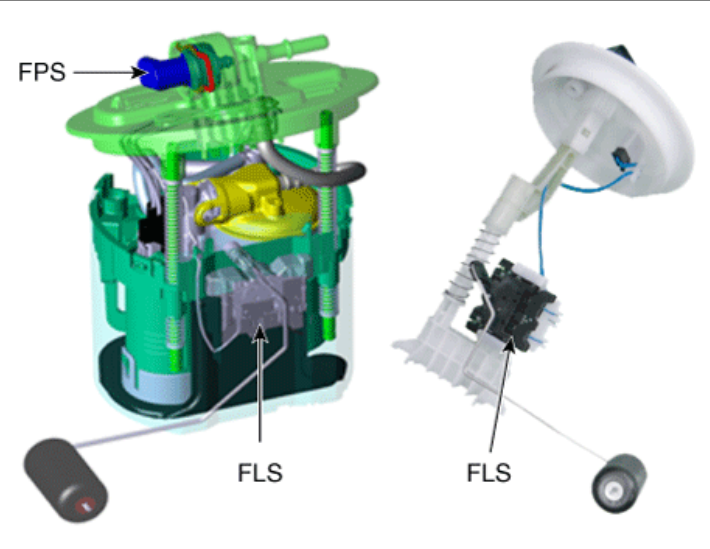
22. A/C Pressure Transducer (APT)



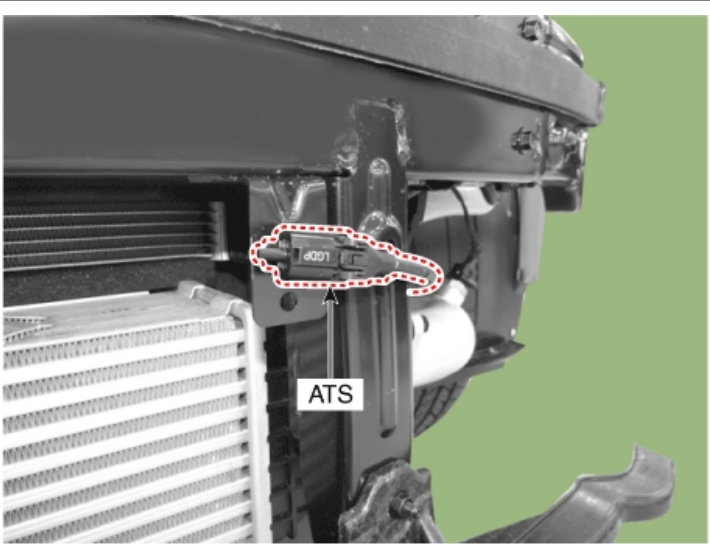
23. Fuel Level Sensor (FLS)
24. Fuel Pressure Sensor (FPS)



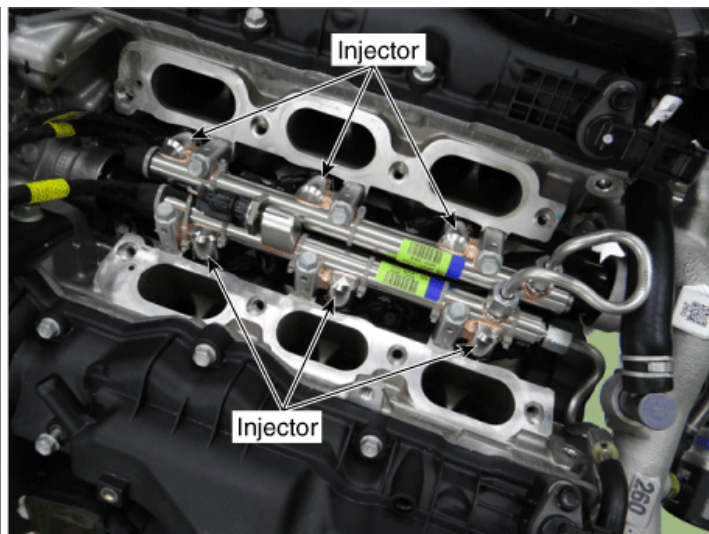
25. Ambient Temperature Sensor (ATS)



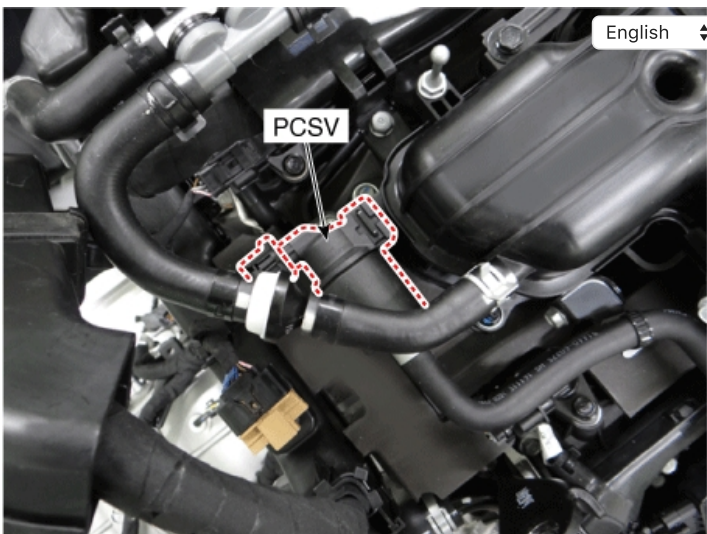
27. Injector



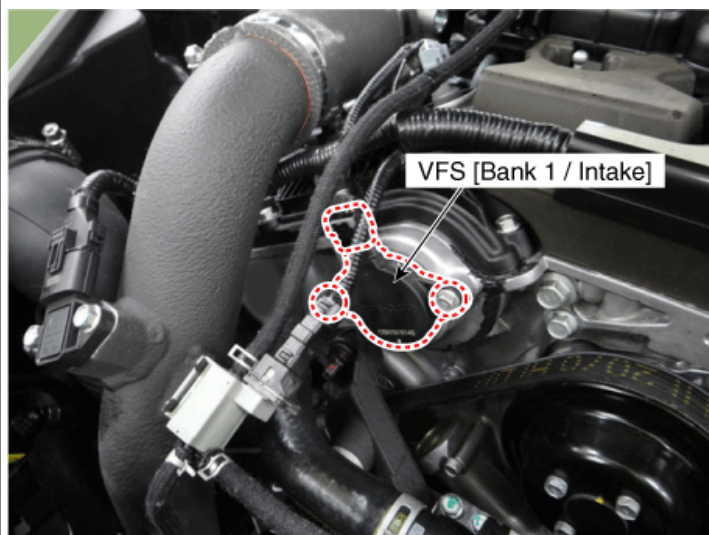
28. Purge Control Solenoid Valve (PCSV)



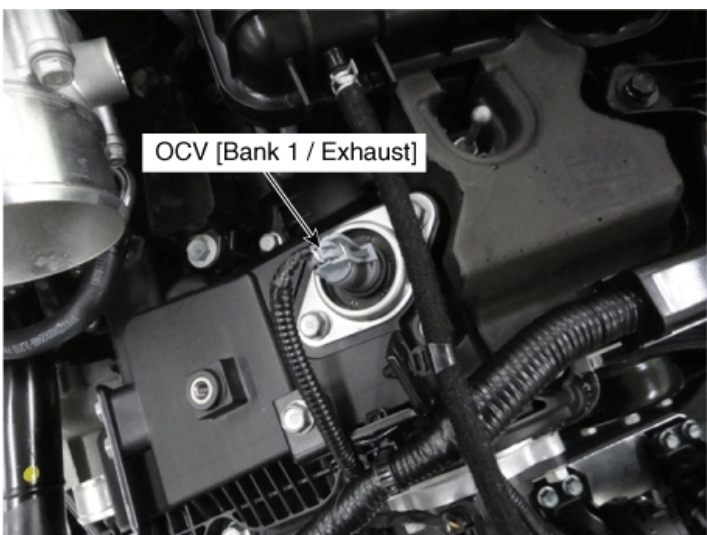
29. Variable force solenoid (VFS) [Bank 1 / Intake]



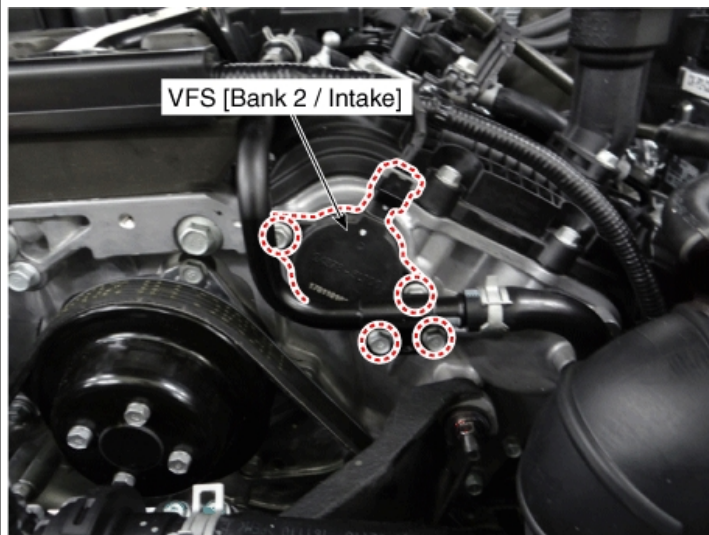
30. CVVT Oil Control Valve (OCV) [Bank 1 / Exhaust]



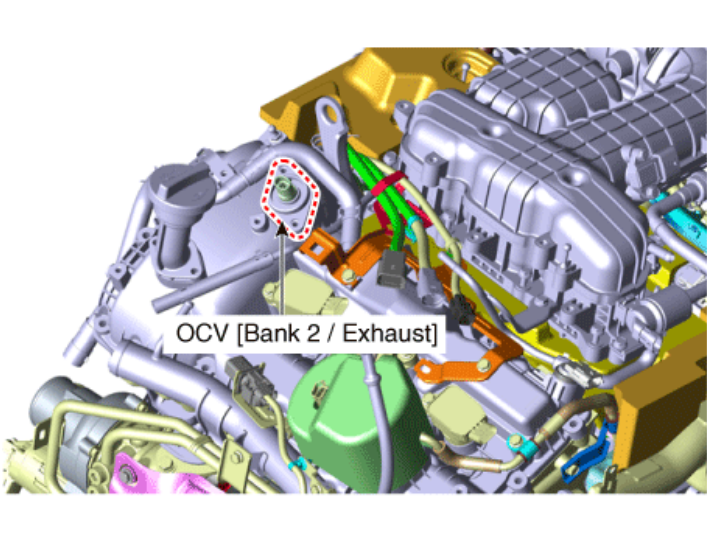
31. Variable force solenoid (VFS) [Bank 2 / Intake]



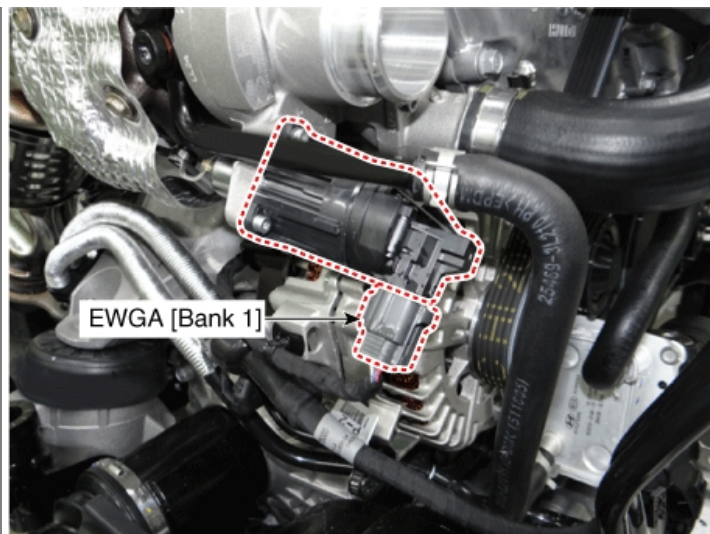
32. CVVT Oil Control Valve (OCV) [Bank 2 / Exhaust]



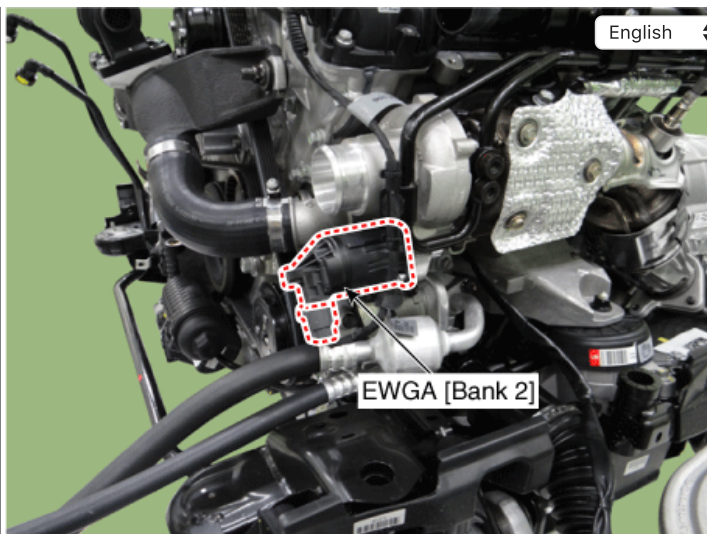
33. Electric Waste Gate Actuator (EWGA) [Bank 1]



34. Electric Waste Gate Actuator (EWGA) [Bank 2]



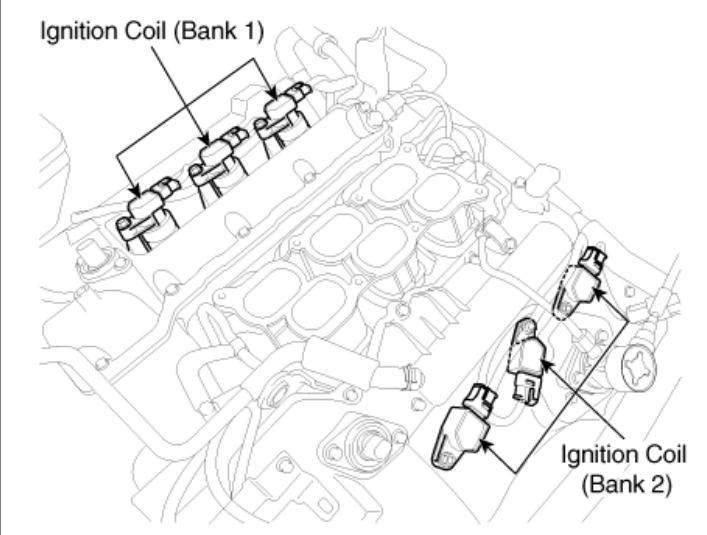
35. Fuel Pressure Control Valve (FPCV)



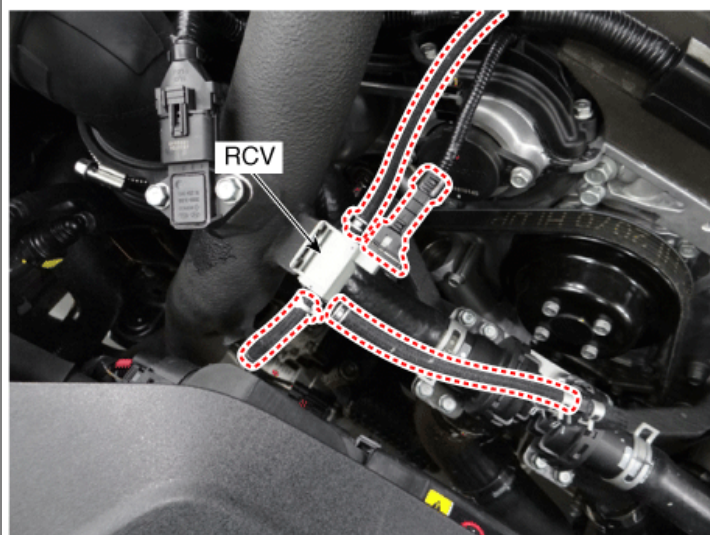
36. Ignition Coil



37. RCV Control Solenoid Valve



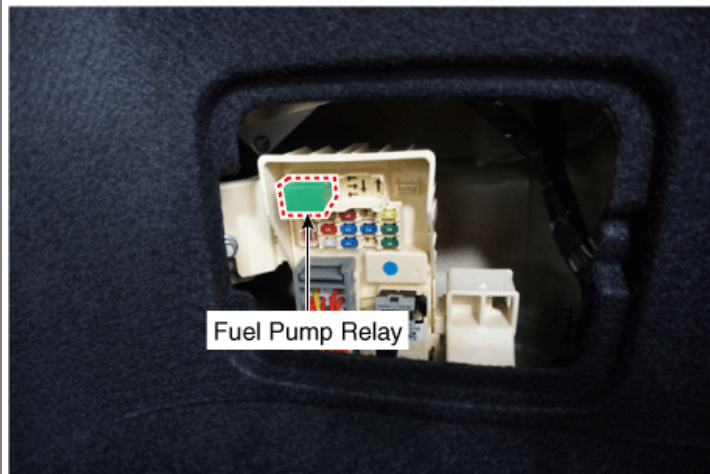
38. Main Relay



39. Fuel Pump Relay



40. Data Link Connector (DLC) [16 Pin]



41. Multi-Purpose Check Connector [20 Pin]



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