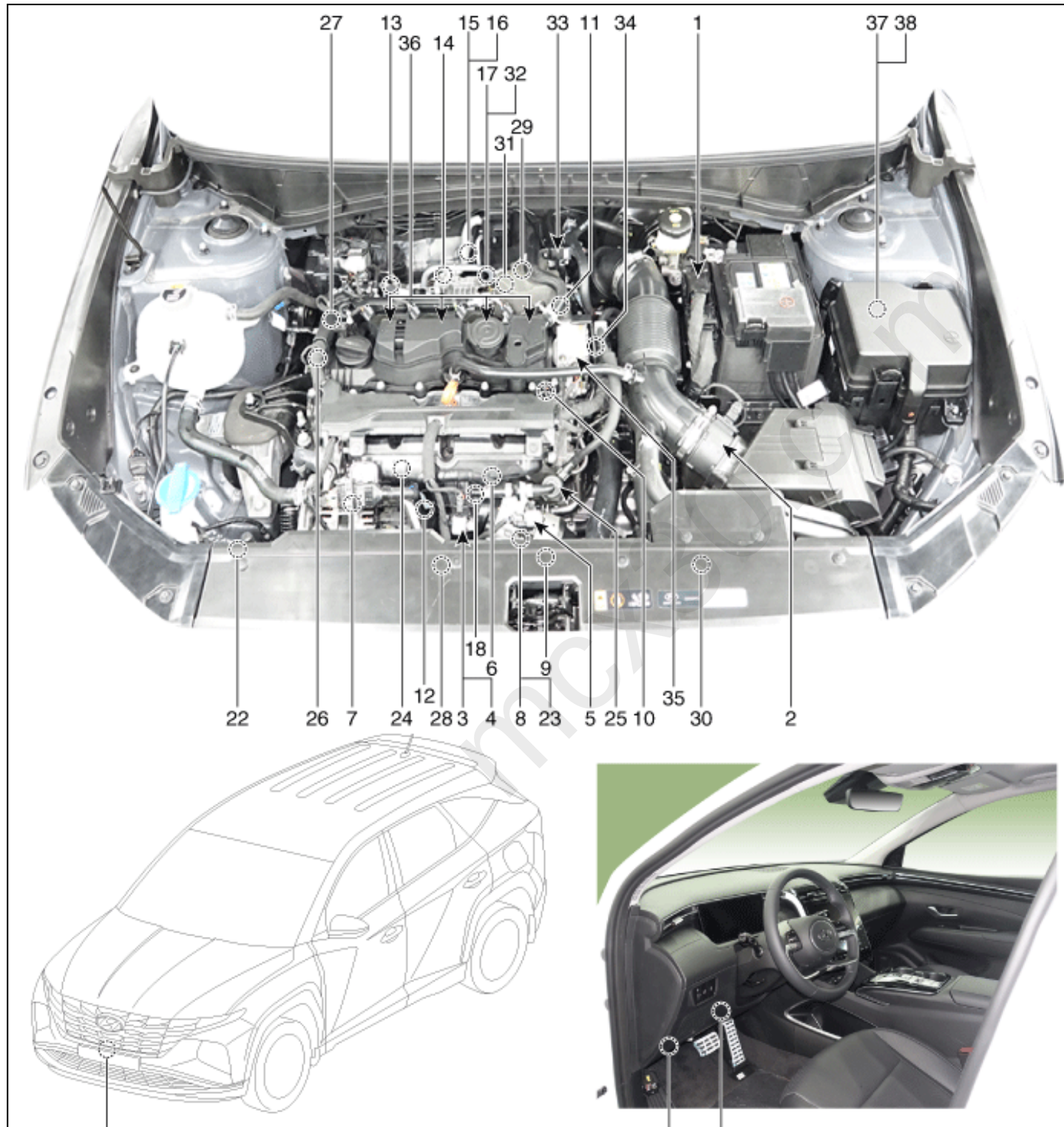


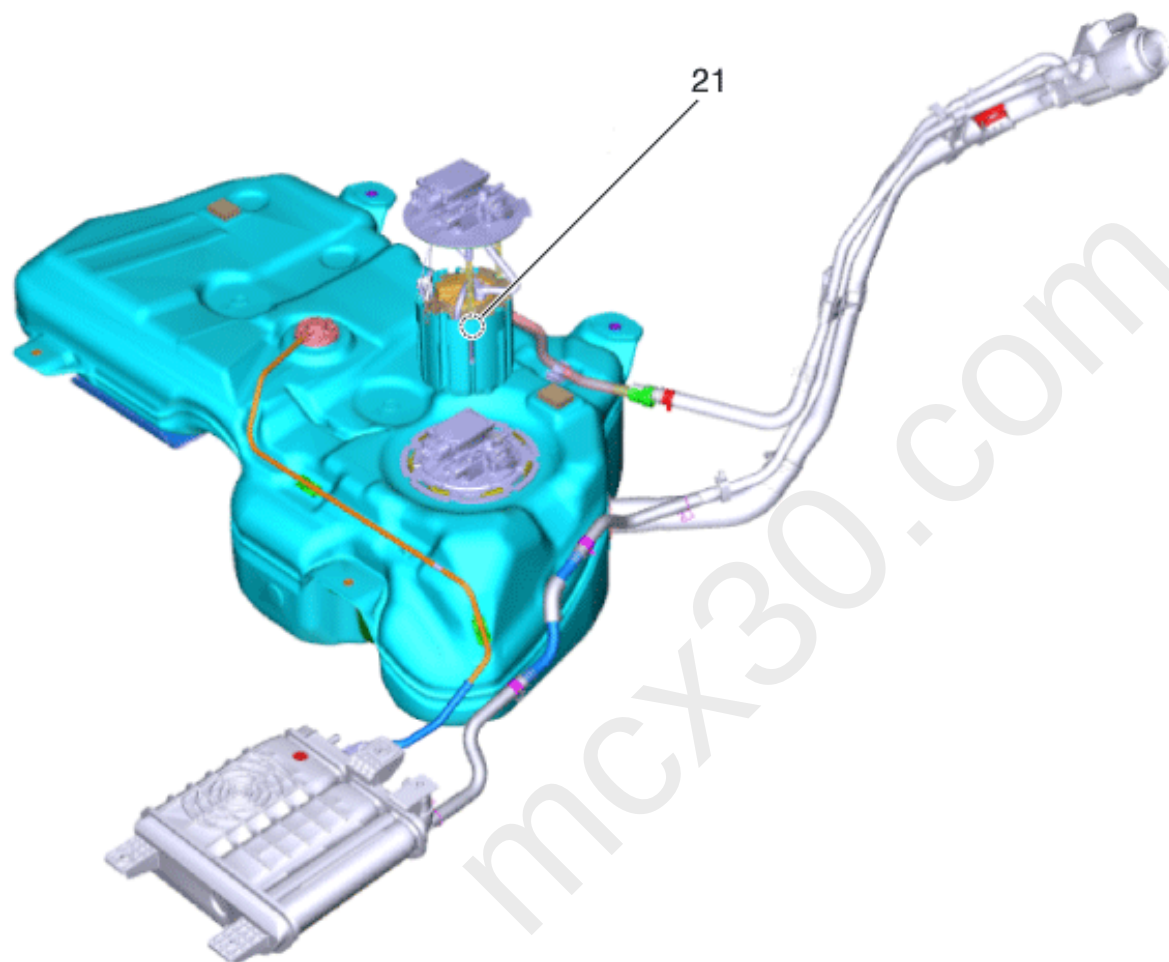
Components
Location



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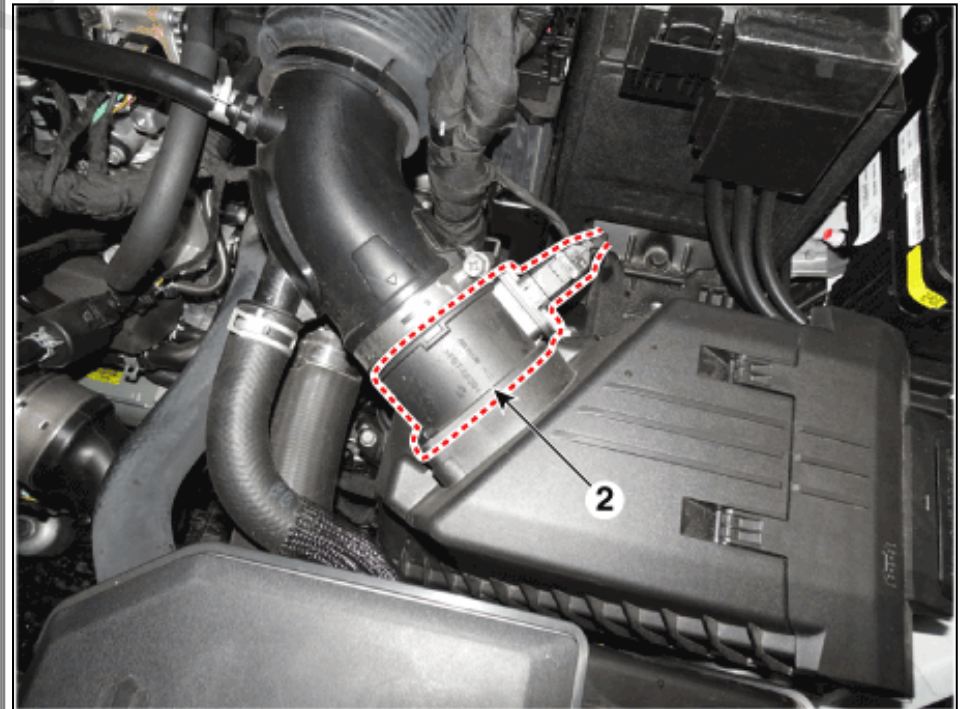
1. Engine Control Module (ECM)
2. Mass Air Flow Sensor (MAFS)
3. Manifold Absolute Pressure Sensor (MAPS)
4. Intake Air Temperature Sensor (IATS)
5. Boost Pressure Sensor (BPS)
6. Engine Coolant Temperature Sensor (ECTS) #1
7. Engine Coolant Temperature Sensor (ECTS) #2
8. Throttle Position Sensor (TPS) [integrated into ETC Module]
9. Crankshaft Position Sensor (CKPS)
10. Camshaft Position Sensor (CMPS) [Bank 1 / Intake]
11. Camshaft Position Sensor (CMPS) [Bank 1 / Exhaust]
12. Knock Sensor (KS)
13. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 1]
14. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 2]
15. Exhaust Gas Temperature Sensor (EGTS) #1 [GPF Type]
16. Exhaust Gas Temperature Sensor (EGTS) #2 [GPF Type]
17. EGR Temperature Sensor
18. Rail Pressure Sensor (RPS)
19. Accelerator Position Sensor (APS)
20. Ambient Temperature Sensor (ATS)

21. Fuel Level Sender (FLS)
22. A/C Pressure Transducer (APT)
23. ETC Motor [integrated into ETC Module]
24. Injector
25. Purge Control Solenoid Valve (PCSV)
26. Variable Force Solenoid (VFS) [Bank 1 / Intake]
27. Variable Force Solenoid (VFS) [Bank 1 / Exhaust]
28. Oil Pressure & Temperature Sensor (OPTS)
29. Electric WGT Control Actuator (EWGA)
30. RCV Control Solenoid Valve
31. Fuel Pressure Control Valve (FPCV)
32. Electric Exhaust Gas Recirculation (EEGR) Control Valve
33. Differential Pressure Sensor (DPS)
34. Integrated Thermal Mangement Module (ITM) Motor
35. CVVD Actuator
36. Ignition Coil
37. Main Relay
38. Fuel Pump Relay
39. Data Link Connector (DLC)

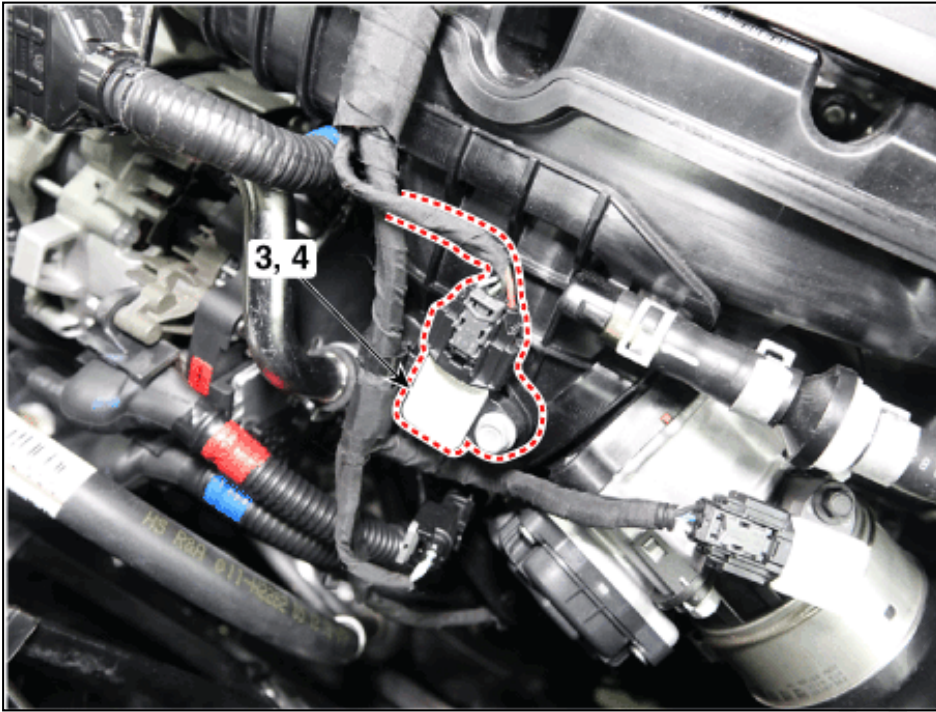
1. Engine Control Module (ECM)



2. Mass Air Flow Sensor (MAFS)

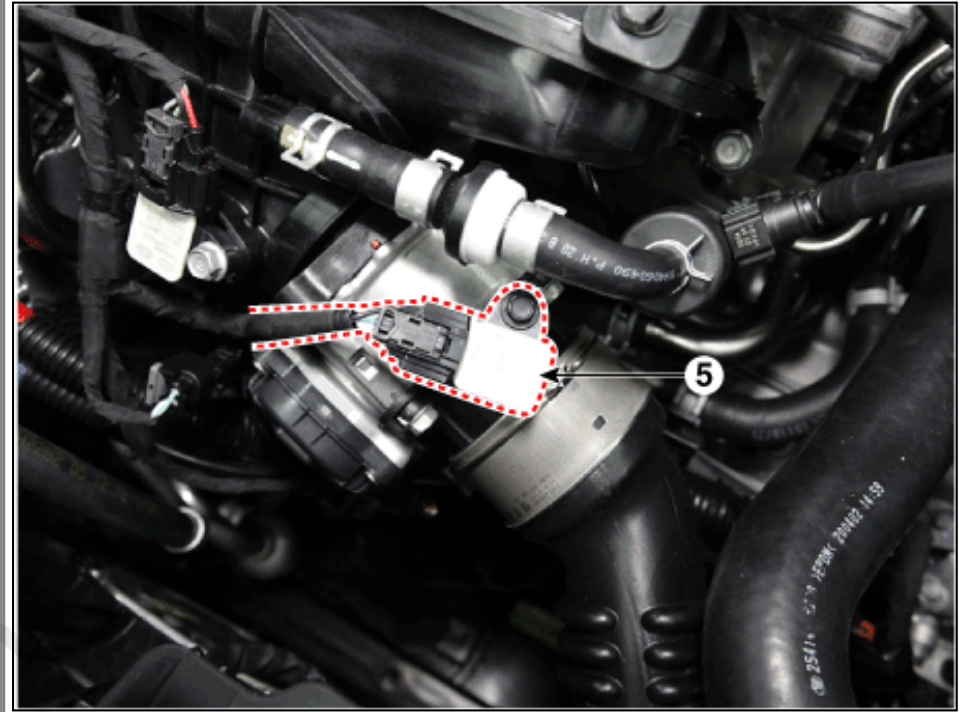


3. Manifold Absolute Pressure Sensor (MAPS)
4. Intake Air Temperature Sensor (IATS)

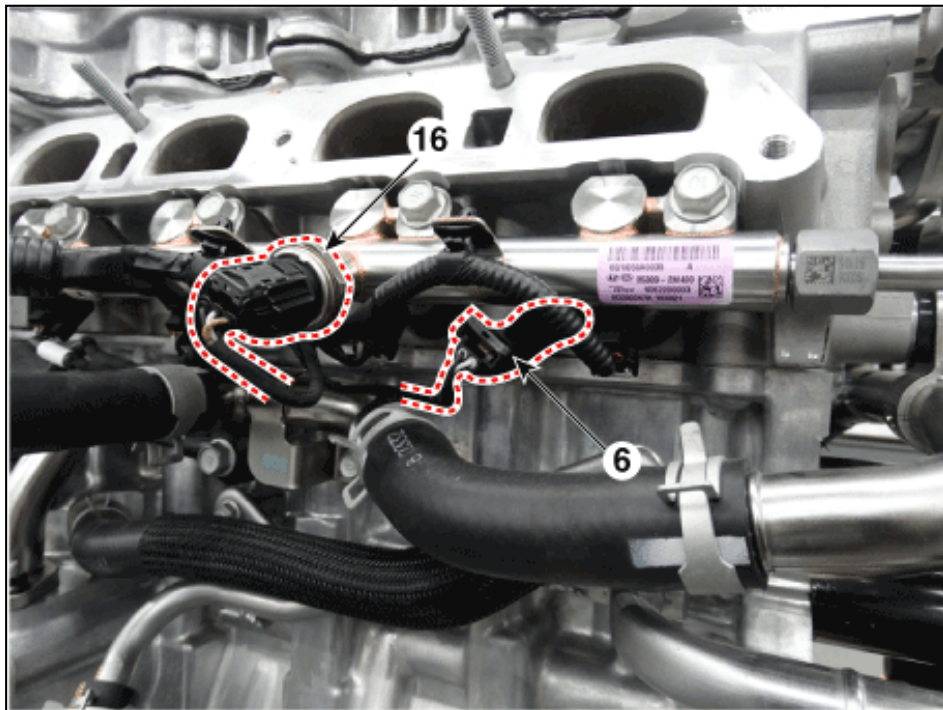


6. Engine Coolant Temperature Sensor (ECTS) #1
18. Rail Pressure Sensor (RPS)

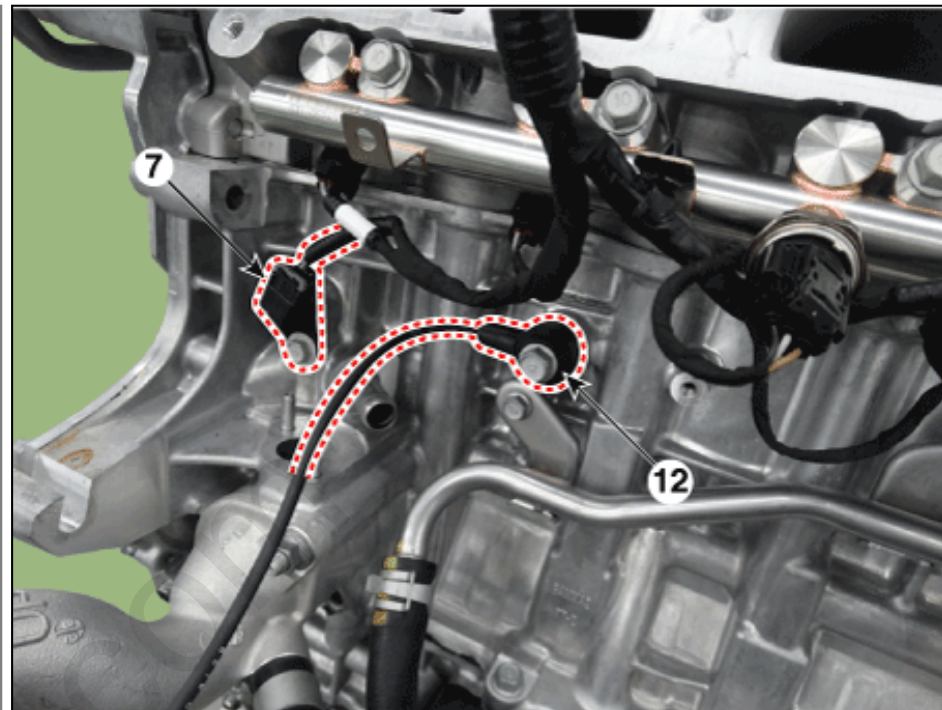
5. Boost Pressure Sensor (BPS)



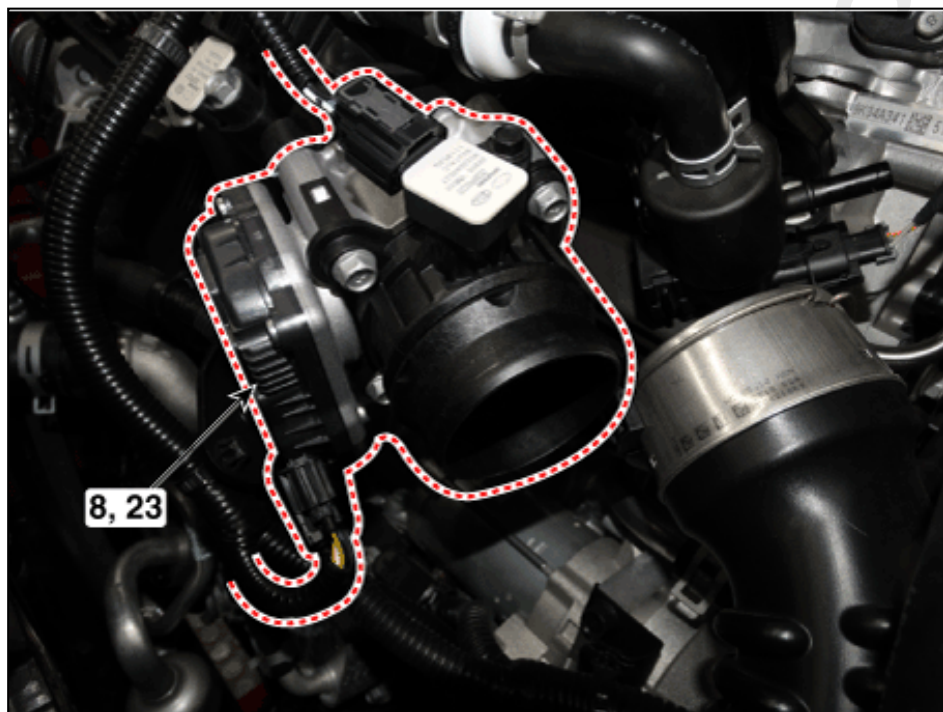
7. Engine Coolant Temperature Sensor (ECTS) #2
12. Knock Sensor (KS)



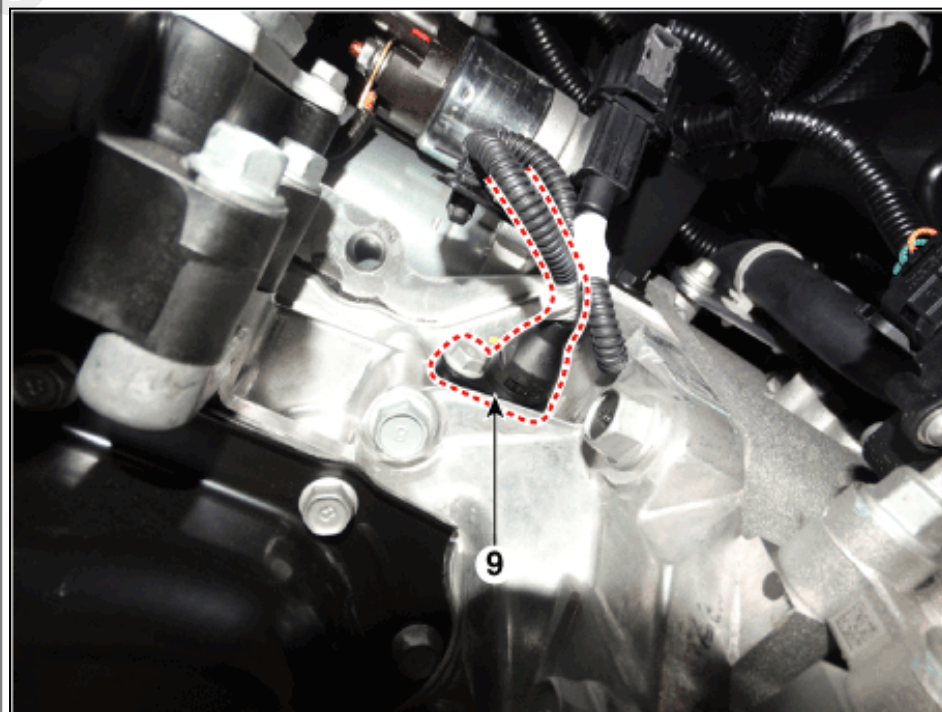
8. Throttle Position Sensor (TPS) [integrated into ETC Module]
 23. ETC Motor [integrated into ETC Module]



9. Crankshaft Position Sensor (CKPS)



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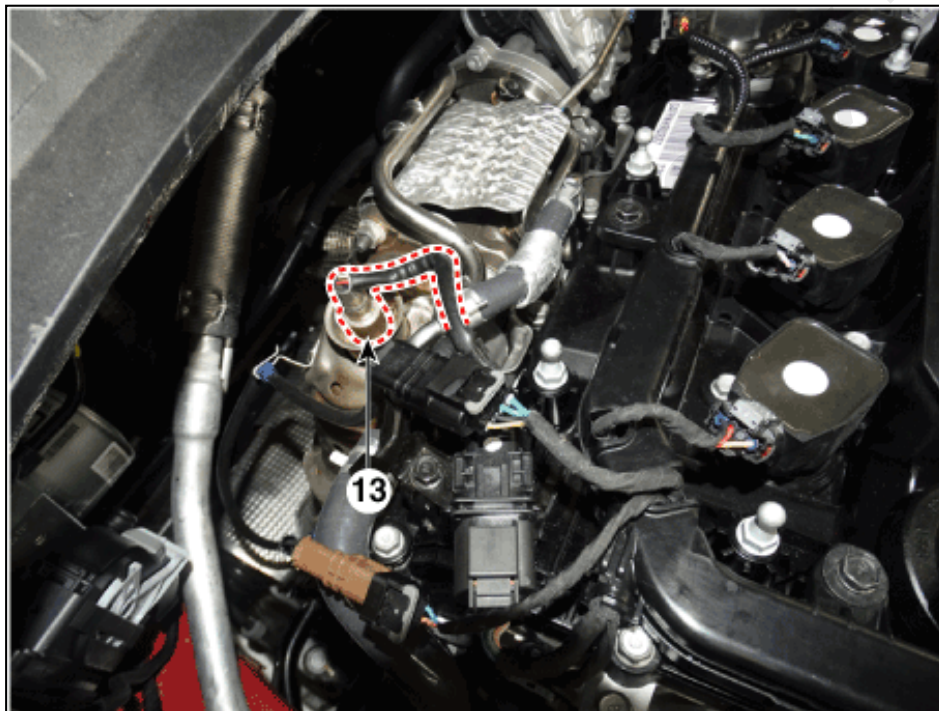
10. Camshaft Position Sensor (CMPS) [Bank 1 / Intake]



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



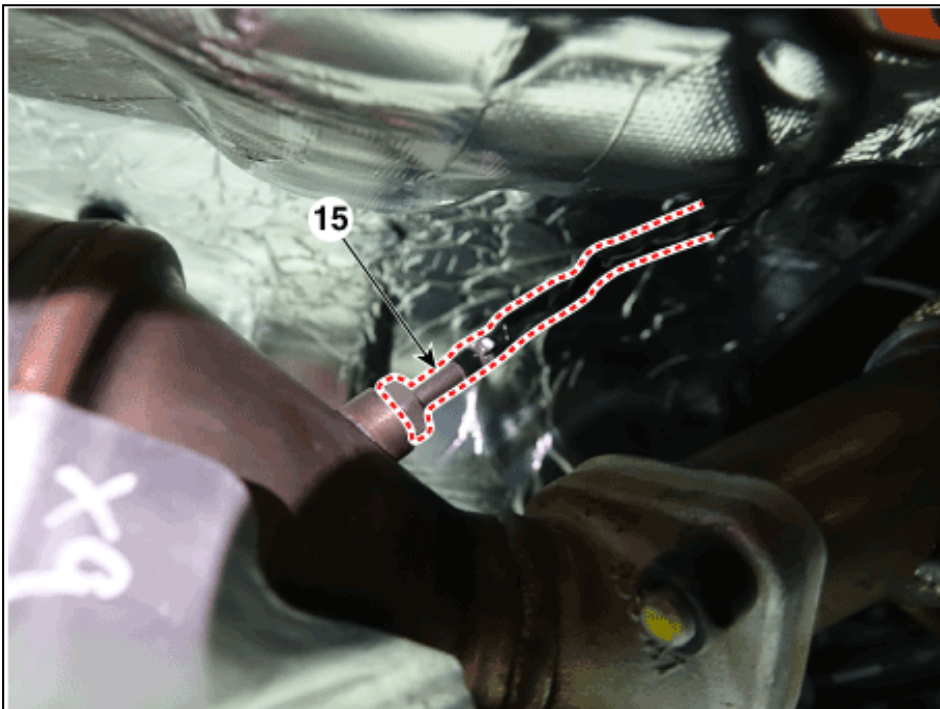
13. Heated Oxygen Sensor (HO2S) [Bank 1 / Sensor 1]



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

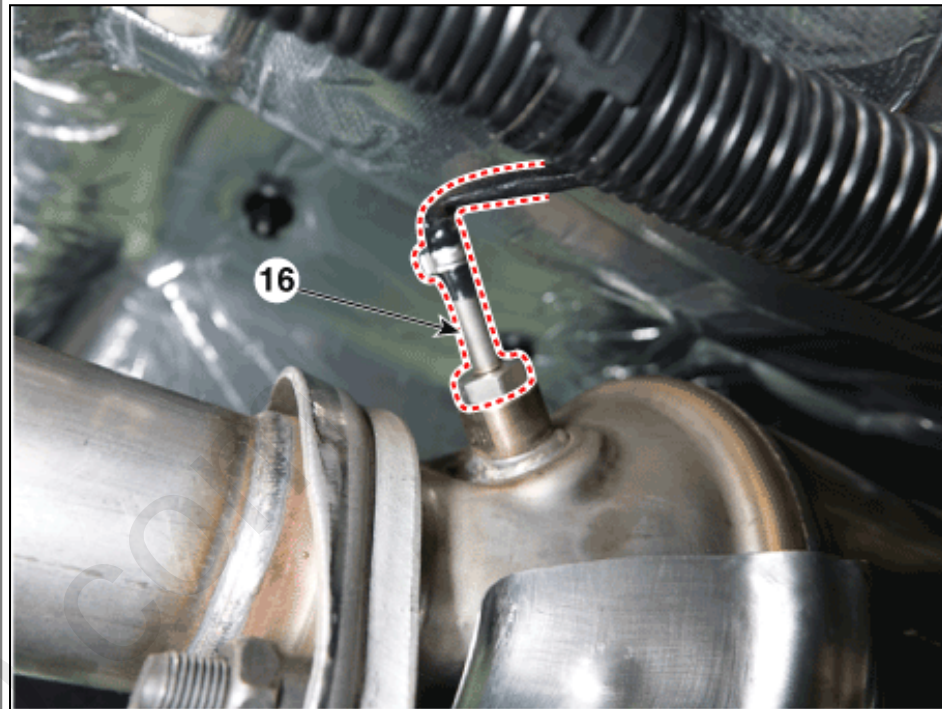


15. Exhaust Gas Temperature Sensor (EGTS) #1 [GPF Type]

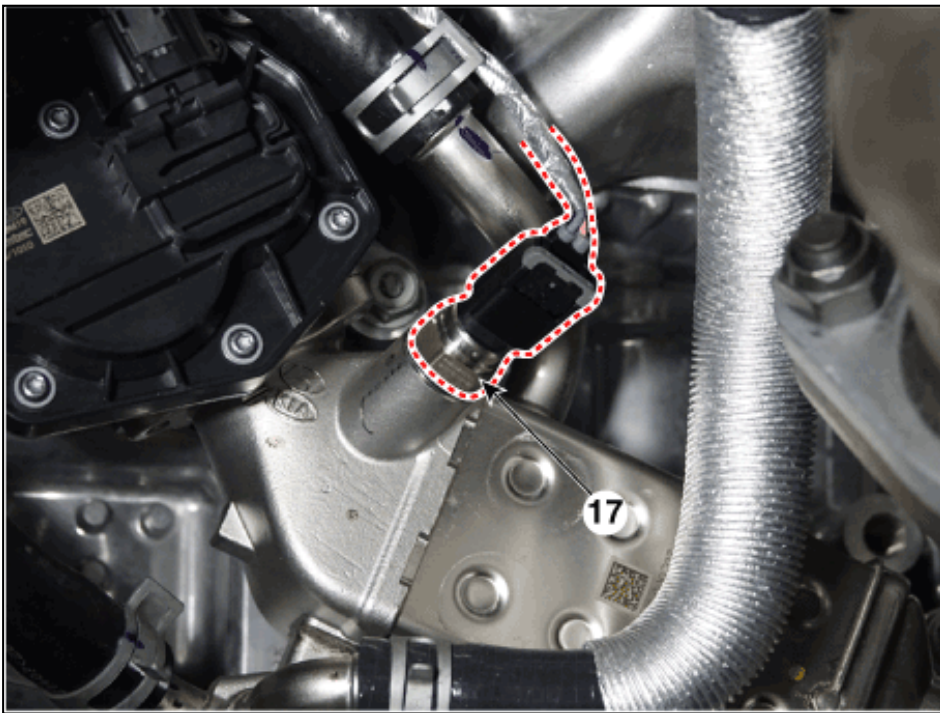


17. EGR Temperature Sensor

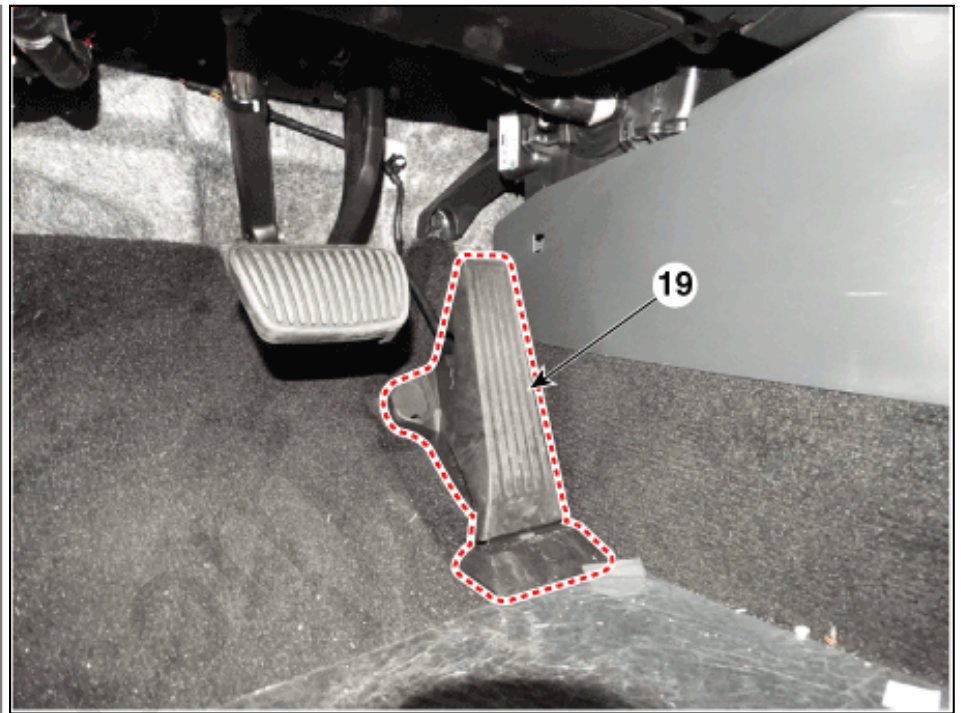
16. Exhaust Gas Temperature Sensor (EGTS) #2 [GPF Type]



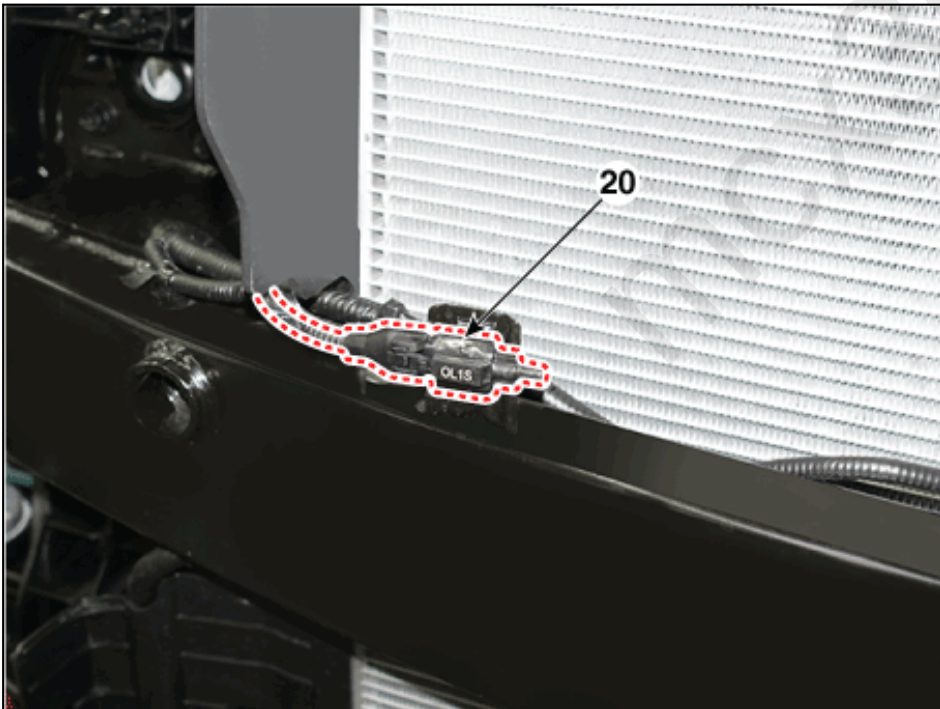
19. Accelerator Position Sensor (APS)



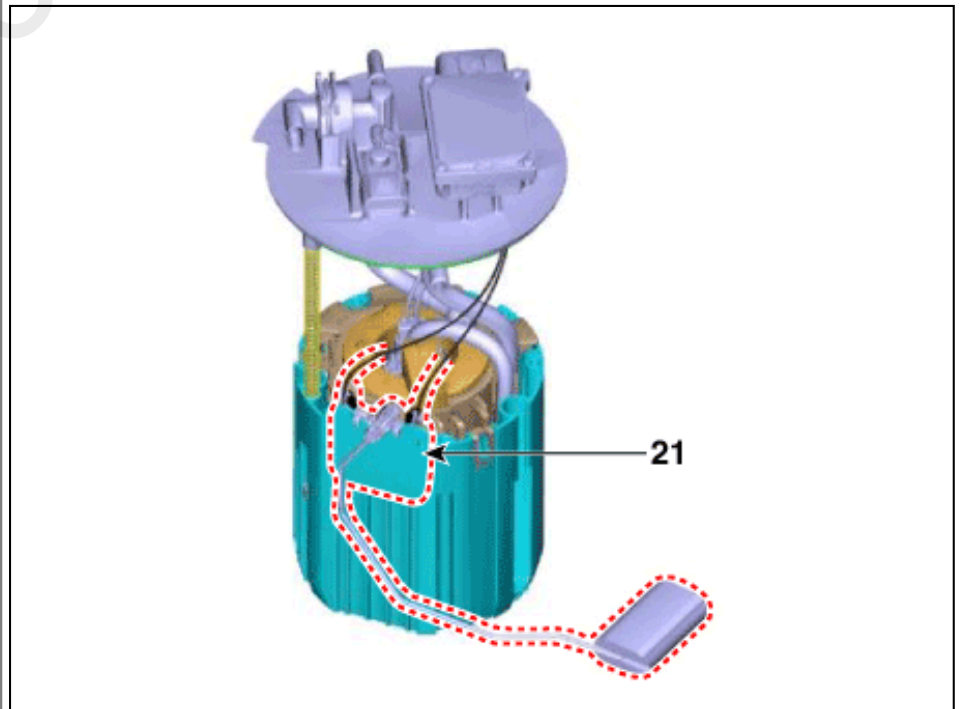
20. Ambient Temperature Sensor (ATS)



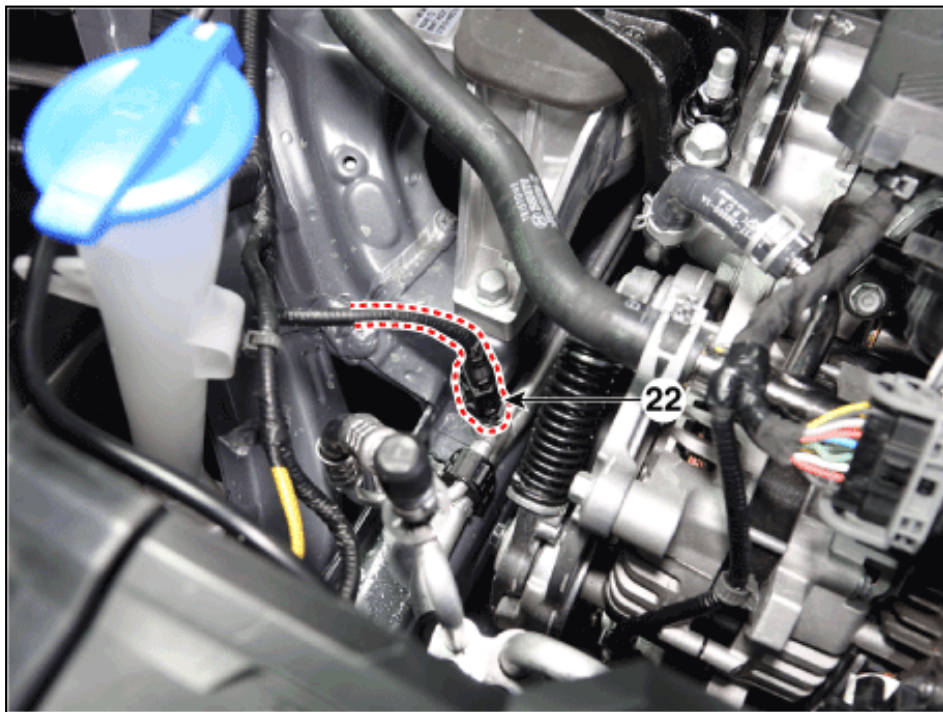
21. Fuel Level Sender (FLS)



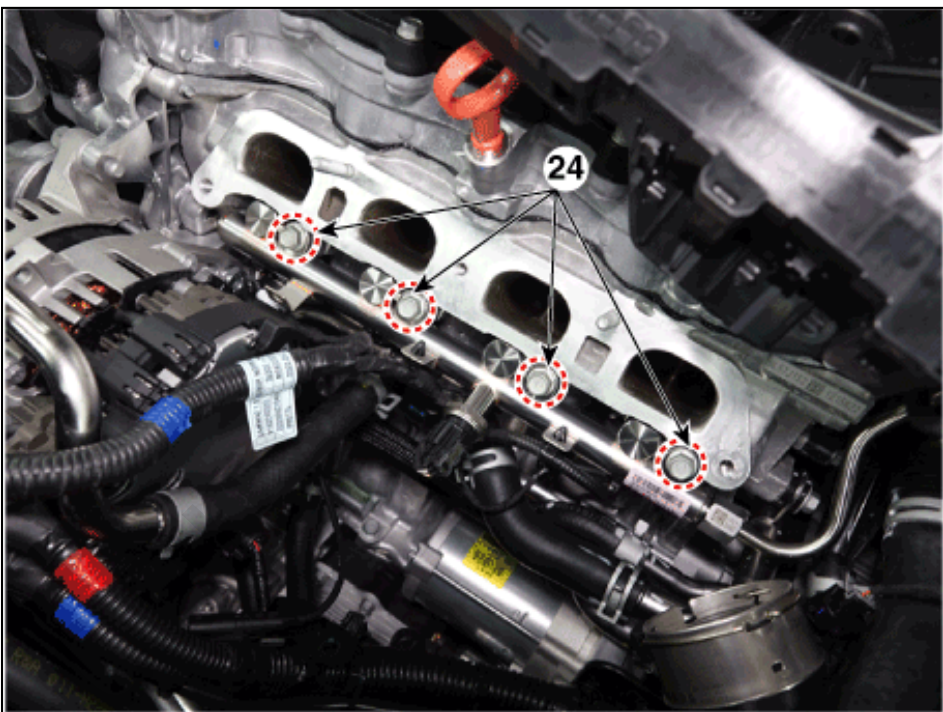
22. A/C Pressure Transducer (APT)



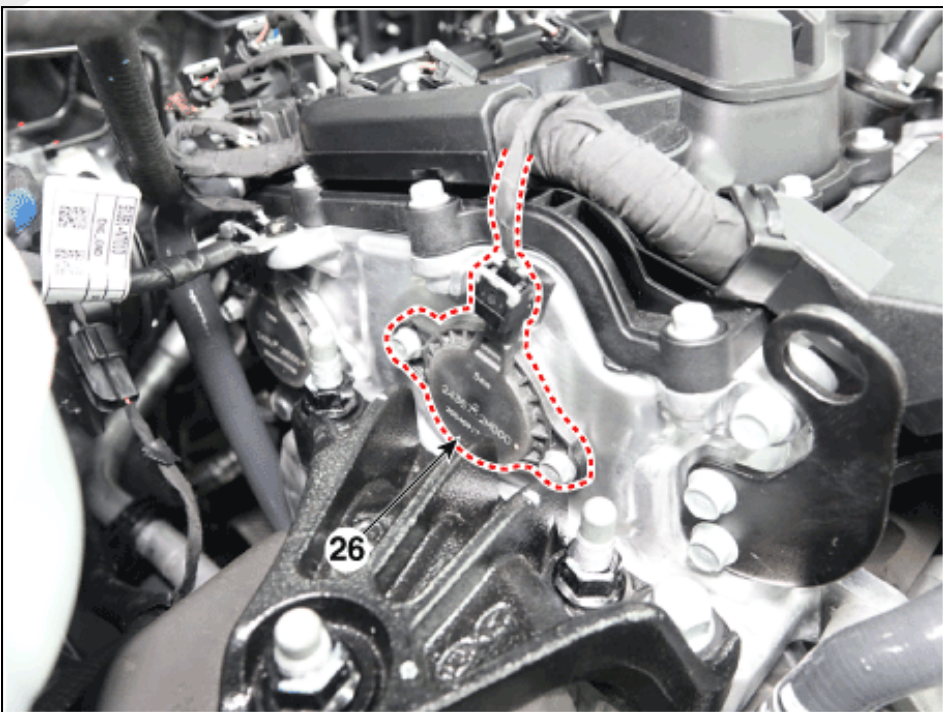
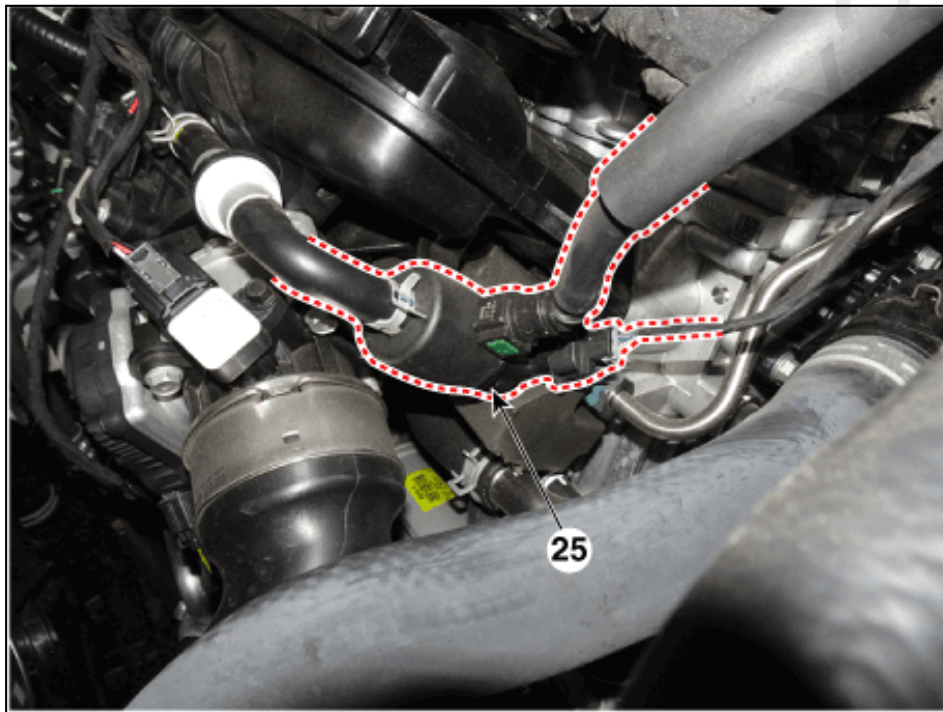
24. Injector



25. Purge Control Solenoid Valve (PCSV)



26. Variable Force Solenoid (VFS) [Bank 1 / Intake]

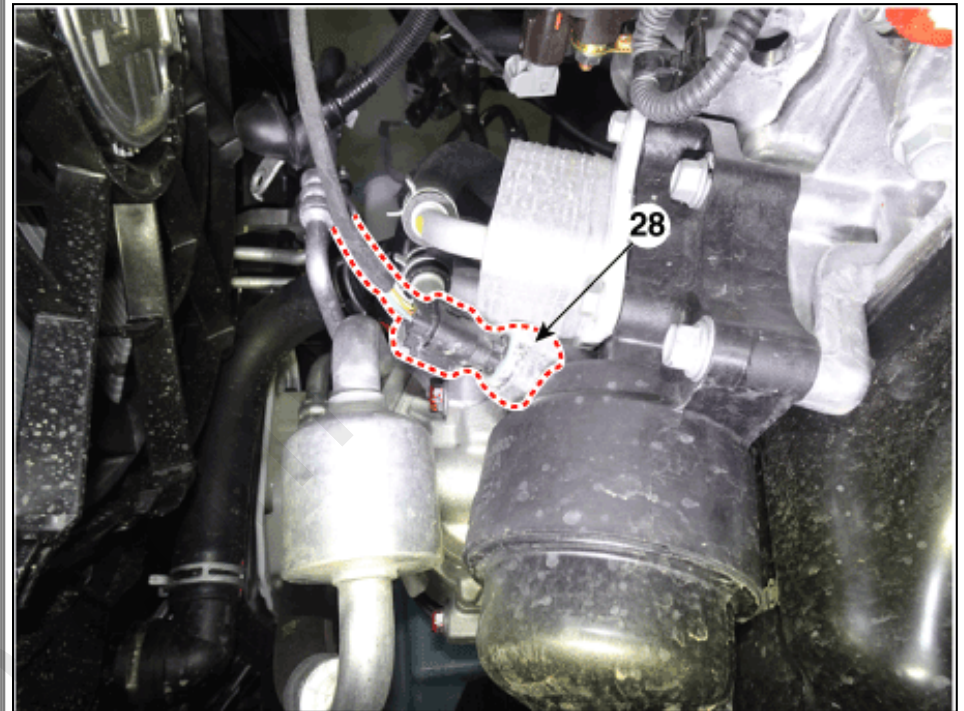


27. Variable Force Solenoid (VFS) [Bank 1 / Exhaust]

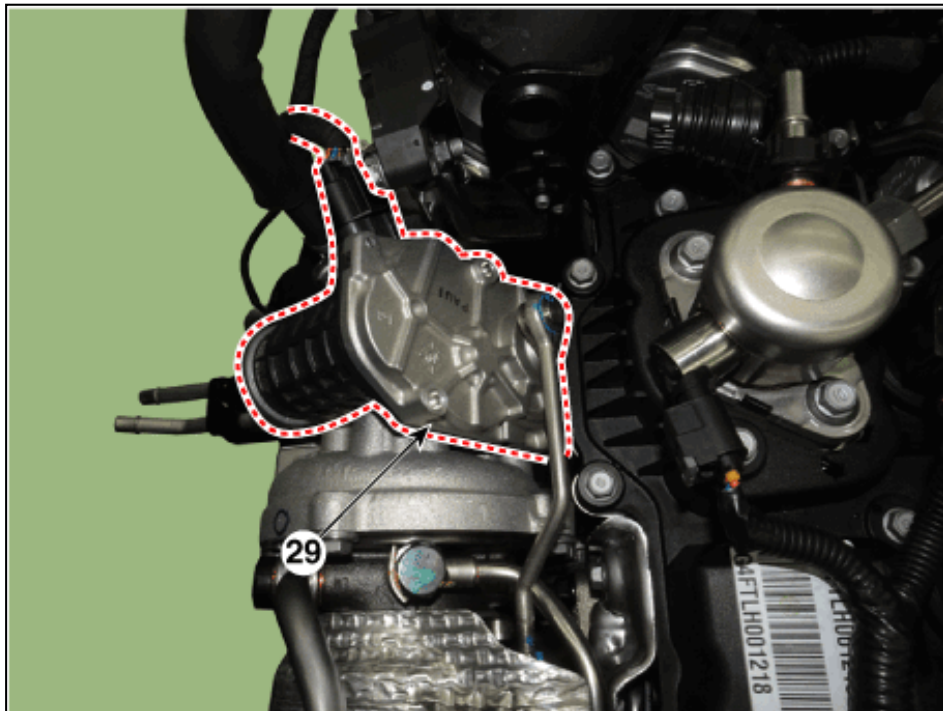


29. Electric WGT Control Actuator (EWGA)

28. Oil Pressure & Temperature Sensor (OPTS)



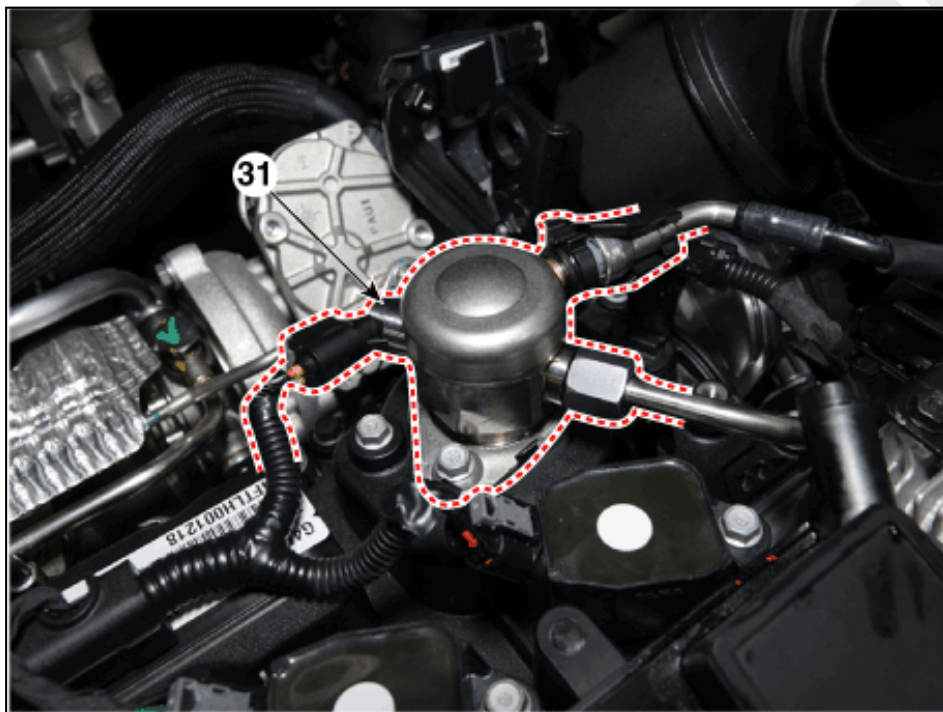
30. RCV Control Solenoid Valve



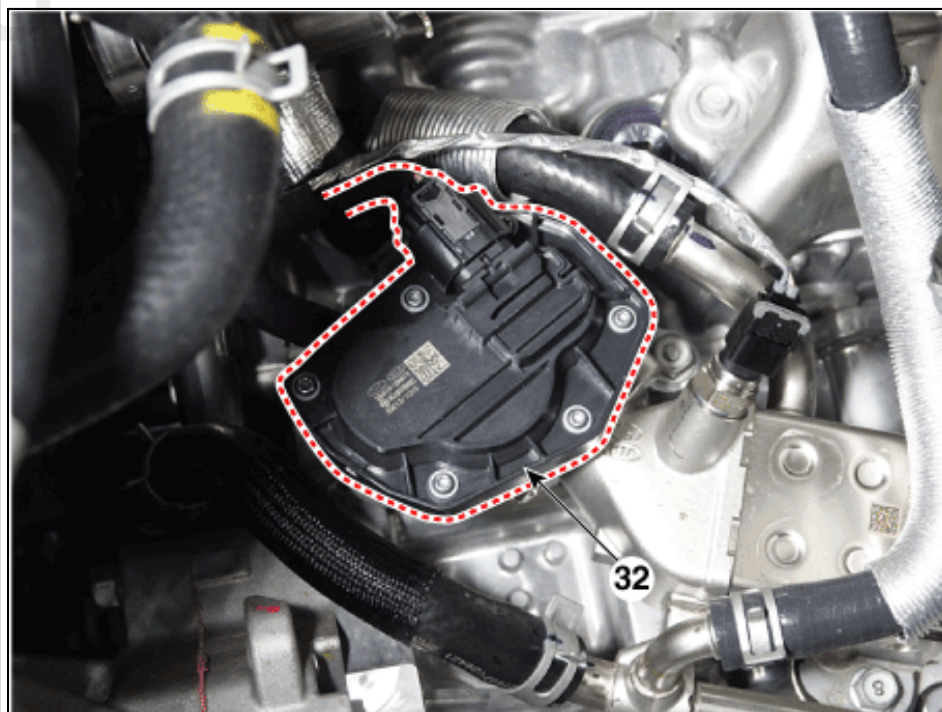
31. Fuel Pressure Control Valve (FPCV)



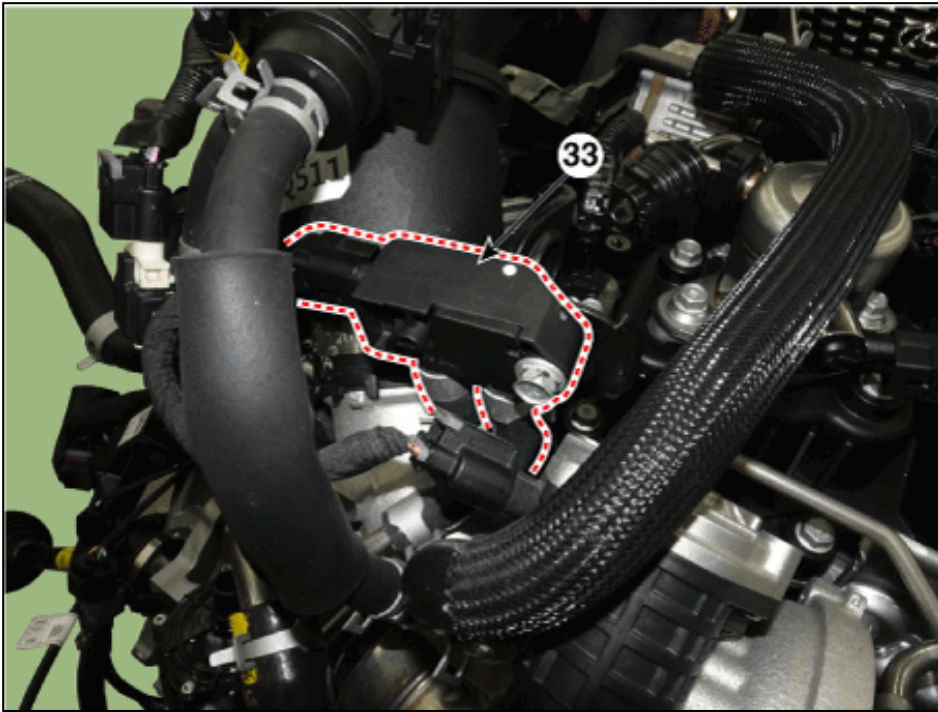
32. Electric Exhaust Gas Recirculation (EEGR) Control Valve



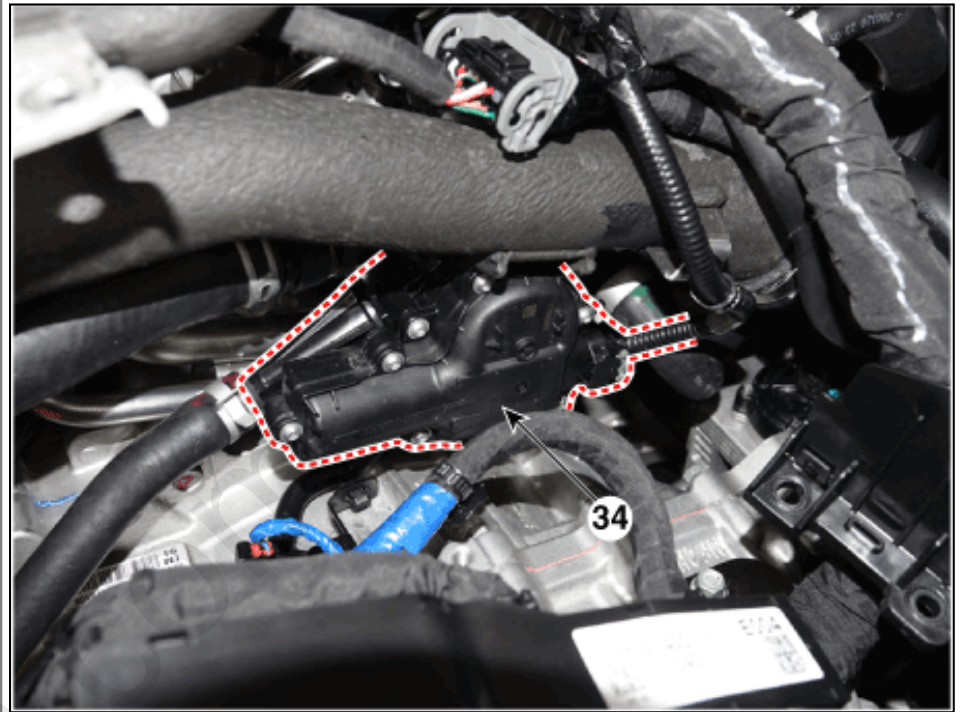
33. Differential Pressure Sensor (DPS)



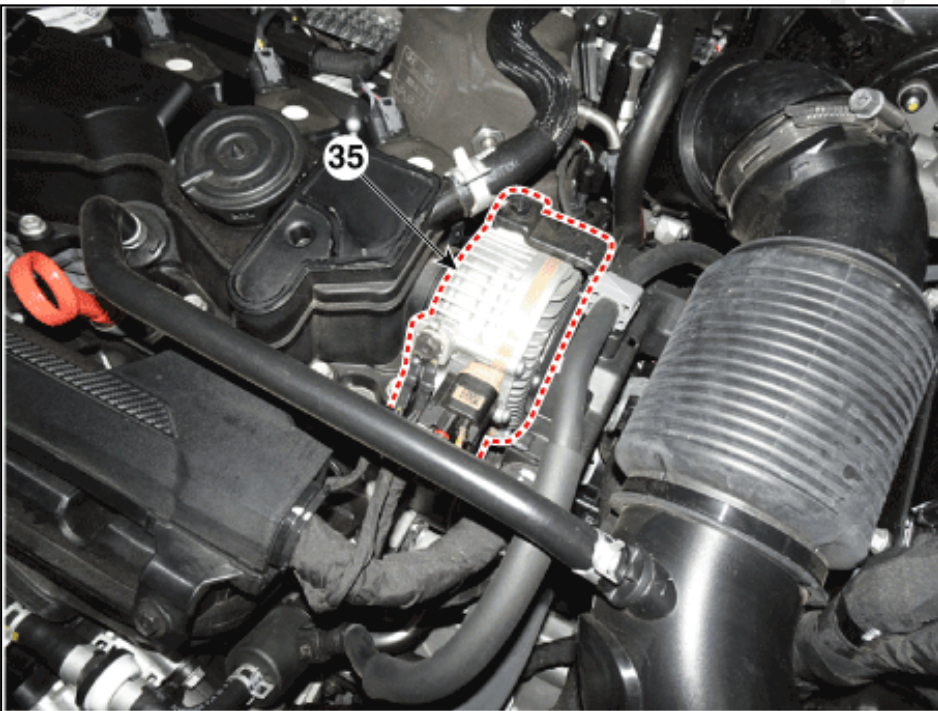
34. Integrated Thermal Management Module (ITM) Motor



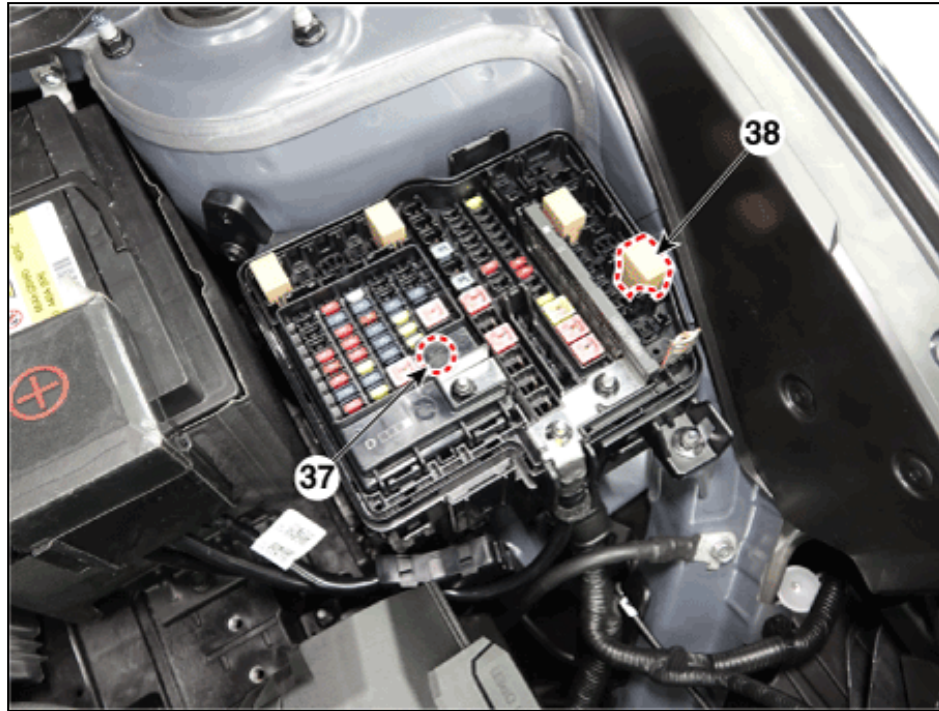
35. CVVD Actuator



36. Ignition Coil



37. Main Relay
38. Fuel Pump Relay



39. Data Link Connector (DLC)

