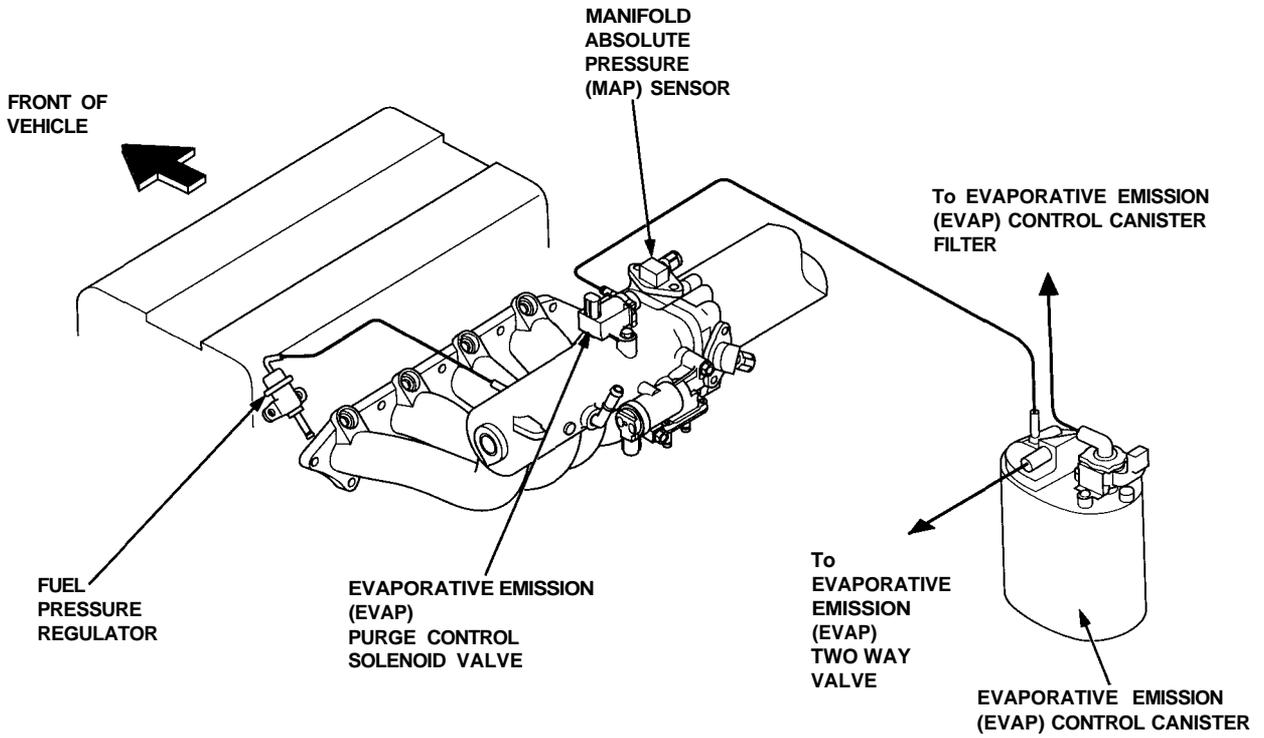


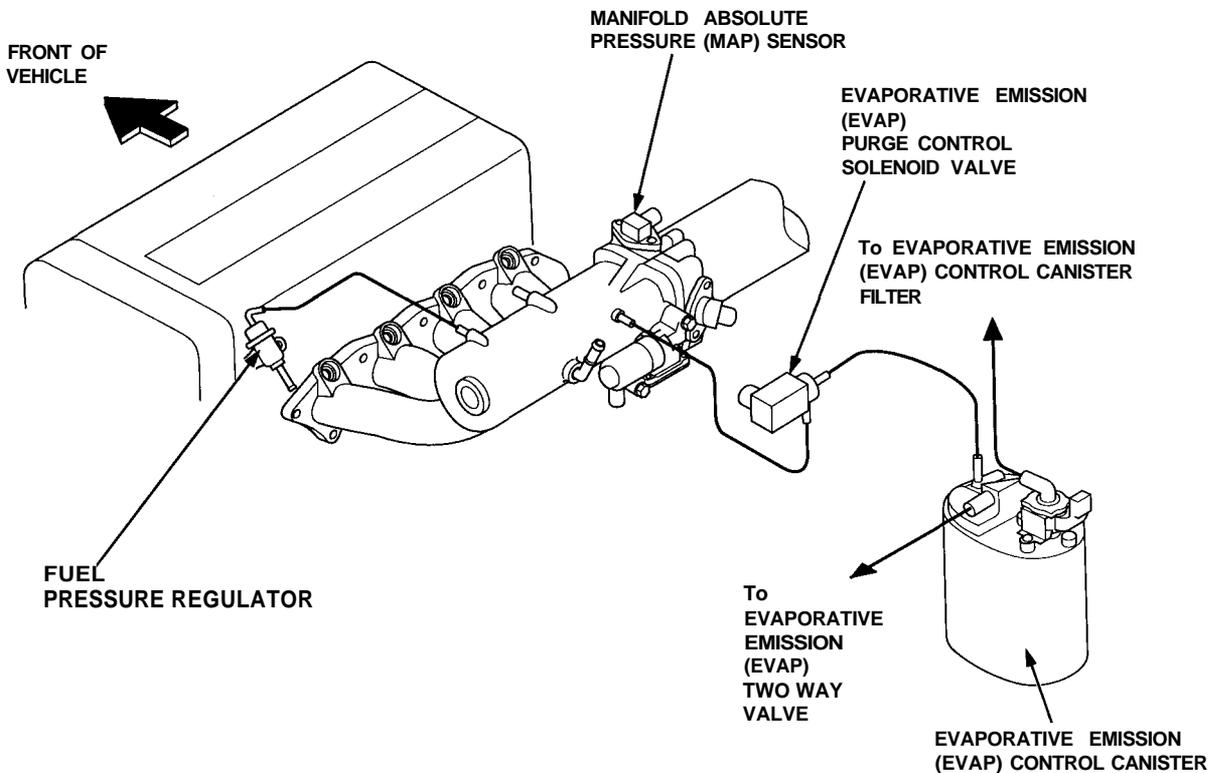
System Description

Vacuum Connections

B18B1 engine:

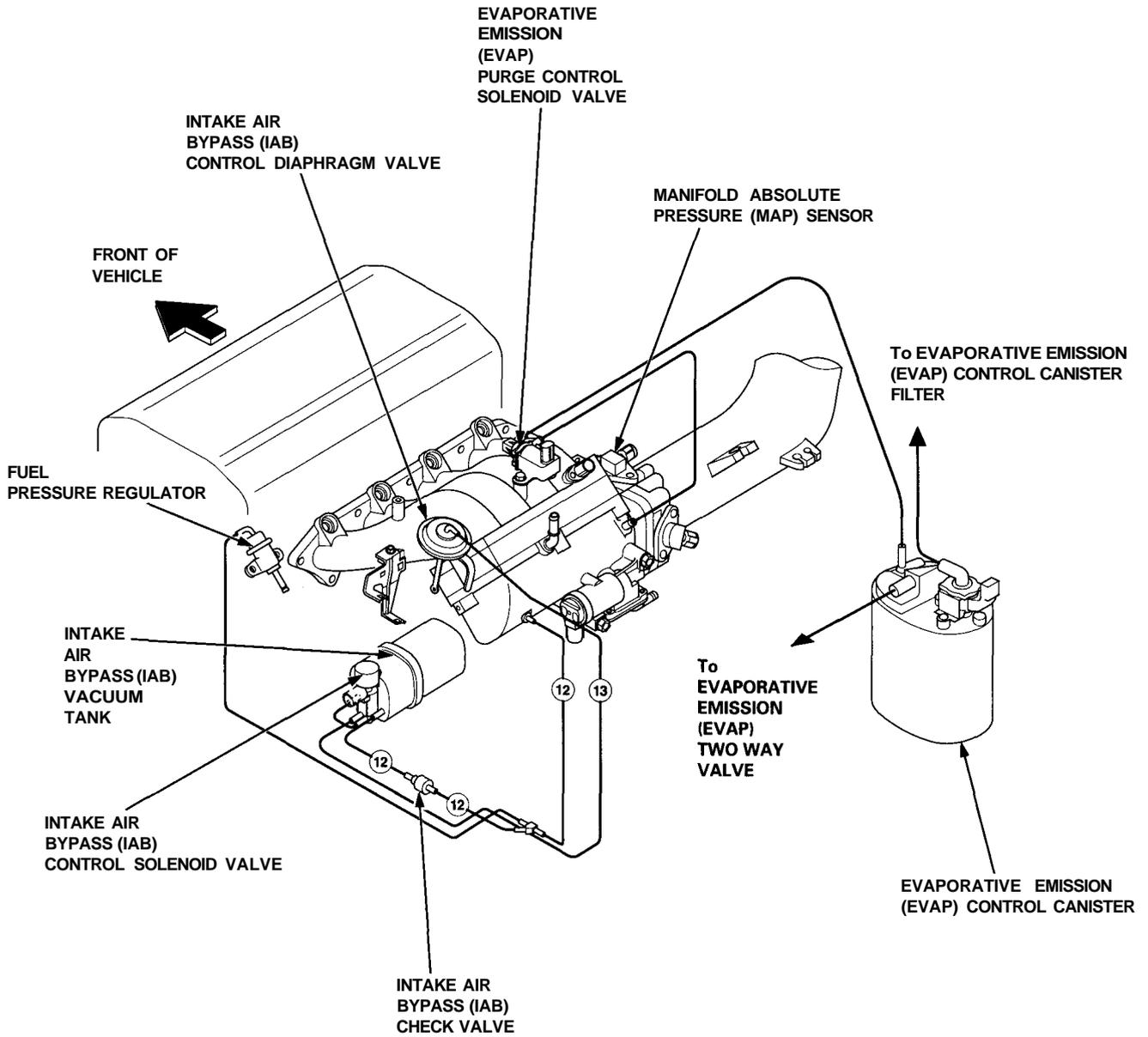


B18C5 engine:





B18C1 engine:



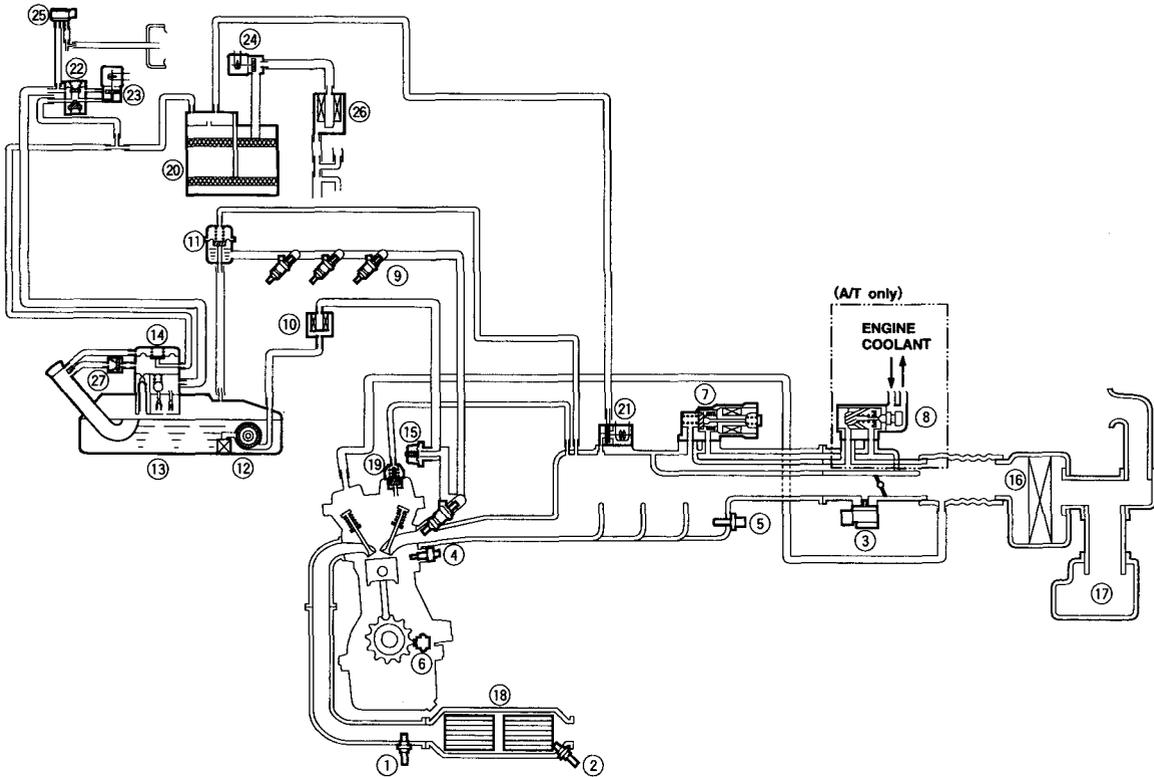
O: Vacuum hose No.

(cont'd)

System Description

Vacuum Connections (cont'd)

B18B1 engine:

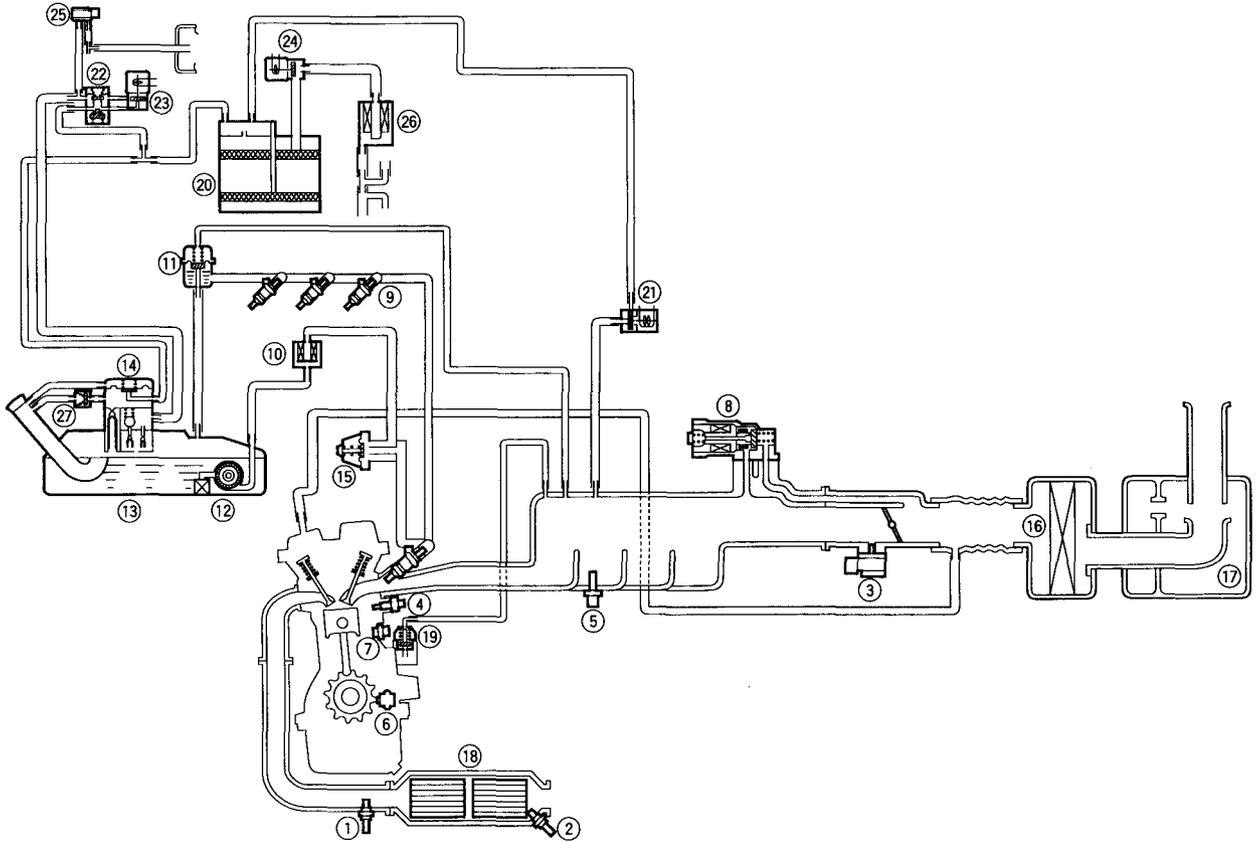


- ① PRIMARY HEATED OXYGEN SENSOR (PRIMARY HO2S) (SENSOR 1)
- ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO23) (SENSOR 2)
- ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
- ④ ENGINE COOLANT TEMPERATURE (ECT) SENSOR
- ⑤ INTAKE AIR TEMPERATURE (IAT) SENSOR
- ⑥ CRANKSHAFT SPEED FLUCTUATION (CKF) SENSOR
- ⑦ IDLE AIR CONTROL (IAC) VALVE
- ⑧ FAST IDLE THERMO VALVE
- ⑨ FUEL INJECTOR
- ⑩ FUEL FILTER
- ⑪ FUEL PRESSURE REGULATOR
- ⑫ FUEL PUMP (FP)
- ⑬ FUEL TANK
- ⑭ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VENT SHUT VALVE
- ⑮ FUEL PULSATION DAMPER

- ⑯ AIR CLEANER
- ⑰ RESONATOR
- ⑱ THREE WAY CATALYTIC CONVERTER (TWC)
- ⑲ POSITIVE CRANKCASE VENTILATION (PCV) VALVE
- ⑳ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER
- ㉑ EVAPORATIVE EMISSION (EVAP) PURGE CONTROL SOLENOID VALVE
- ㉒ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE
- ㉓ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE
- ㉔ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER VENT SHUT VALVE
- ㉕ FUEL TANK PRESSURE SENSOR
- ㉖ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER FILTER
- ㉗ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VAPOR RECIRCULATION VALVE



B18C5 engine:



- ① PRIMARY HEATED OXYGEN SENSOR (PRIMARY HO2S) (SENSOR 1)
- ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO2S) (SENSOR 2)
- ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
- ④ ENGINE COOLANT TEMPERATURE (ECT) SENSOR
- ⑤ INTAKE AIR TEMPERATURE (IAT) SENSOR
- ⑥ CRANKSHAFT SPEED FLUCTUATION (CKF) SENSOR
- ⑦ KNOCK SENSOR (KS)
- ⑧ IDLE AIR CONTROL (IAC) VALVE
- ⑨ FUEL INJECTOR
- ⑩ FUEL FILTER
- ⑪ FUEL PRESSURE REGULATOR
- ⑫ FUEL PUMP (FP)
- ⑬ FUEL TANK
- ⑭ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VENT SHUT VALVE
- ⑮ FUEL PULSATION DAMPER

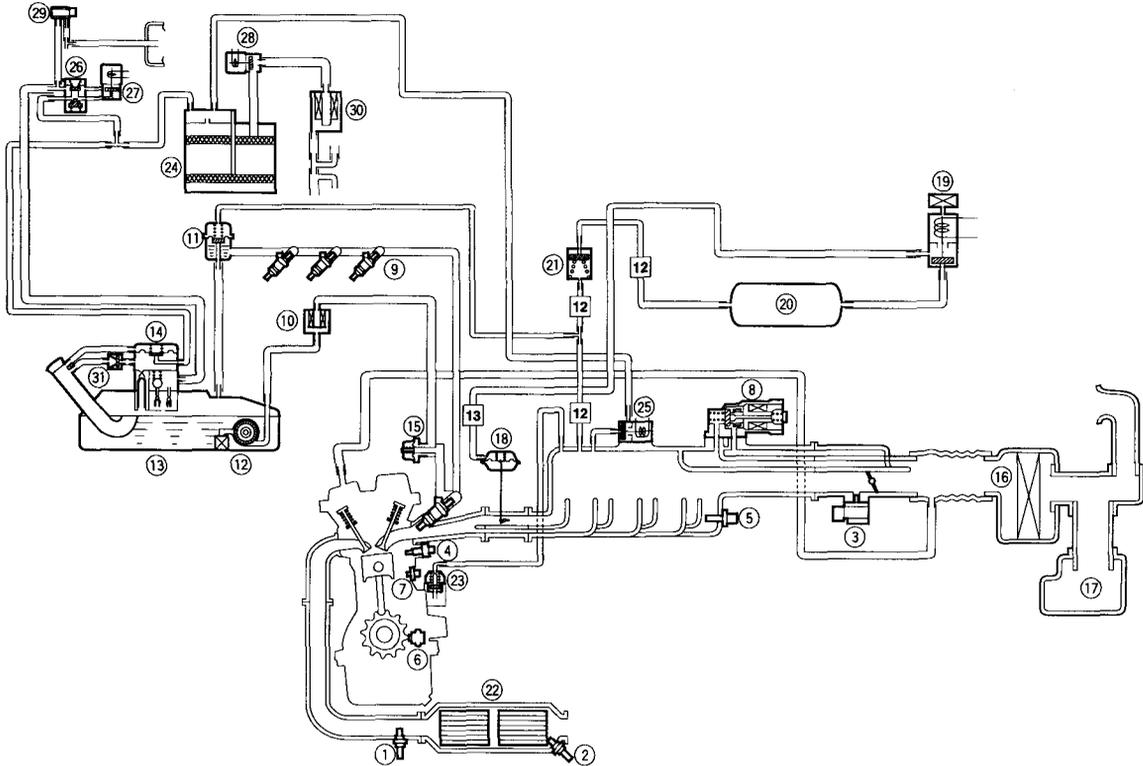
- ⑯ AIR CLEANER
- ⑰ RESONATOR
- ⑱ THREE WAY CATALYTIC CONVERTER (TWC)
- ⑲ POSITIVE CRANKCASE VENTILATION (PCV) VALVE
- ⑳ EVAPORATIVE EMISSION (EVAP)CONTROL CANISTER
- ㉑ EVAPORATIVE EMISSION (EVAP)PURGE CONTROL SOLENOID VALVE
- ㉒ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE
- ㉓ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE
- ㉔ EVAPORATIVE EMISSION (EVAP)CONTROL CANISTER VENT SHUT VALVE
- ㉕ FUEL TANK PRESSURE SENSOR
- ㉖ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER FILTER
- ㉗ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VAPOR RECIRCULATION VALVE

(cont'd)

System Description

Vacuum Connections (cont'd)

B18C1 engine:



□: Vacuum hose No.

- | | |
|---|---|
| ① PRIMARY HEATED OXYGEN SENSOR (PRIMARY HO ₂ S) (SENSOR 1) | ⑱ INTAKE AIR BYPASS (IAB) CONTROL DIAPHRAGM VALVE |
| ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO ₂ S) (SENSOR 2) | ⑲ INTAKE AIR BYPASS (IAB) CONTROL SOLENOID VALVE |
| ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR | ⑳ INTAKE AIR BYPASS (IAB) VACUUM TANK |
| ④ ENGINE COOLANT TEMPERATURE (ECT) SENSOR | ㉑ INTAKE AIR BYPASS (IAB) CHECK VALVE |
| ⑤ INTAKE AIR TEMPERATURE (IAT) SENSOR | ㉒ THREE WAY CATALYTIC CONVERTER (TWC) |
| ⑥ CRANKSHAFT SPEED FLUCTUATION (CKF) SENSOR | ㉓ POSITIVE CRANKCASE VENTILATION (PCV) VALVE |
| ⑦ KNOCK SENSOR (KS) | ㉔ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER |
| ⑧ IDLE AIR CONTROL (IAC) VALVE | ㉕ EVAPORATIVE EMISSION (EVAP) PURGE CONTROL SOLENOID VALVE |
| ⑨ FUEL INJECTOR | ㉖ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE |
| ⑩ FUEL FILTER | ㉗ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE |
| ⑪ FUEL PRESSURE REGULATOR | ㉘ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER VENT SHUT VALVE |
| ⑫ FUEL PUMP (FP) | ㉙ FUEL TANK PRESSURE SENSOR |
| ⑬ FUEL TANK | ㉚ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER FILTER |
| ⑭ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VENT SHUT VALVE | ㉛ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VAPOR RECIRCULATION VALVE |
| ⑮ FUEL PULSATION DAMPER | |
| ⑯ AIR CLEANER | |
| ⑰ RESONATOR | |