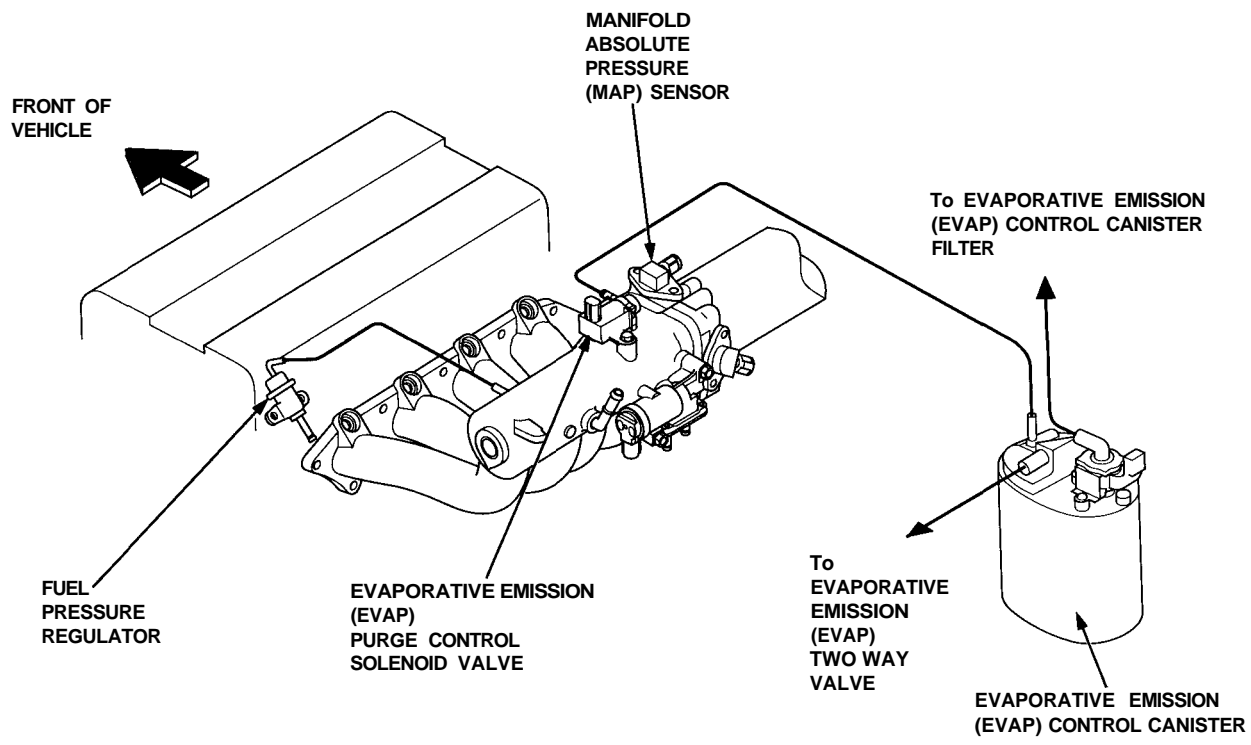


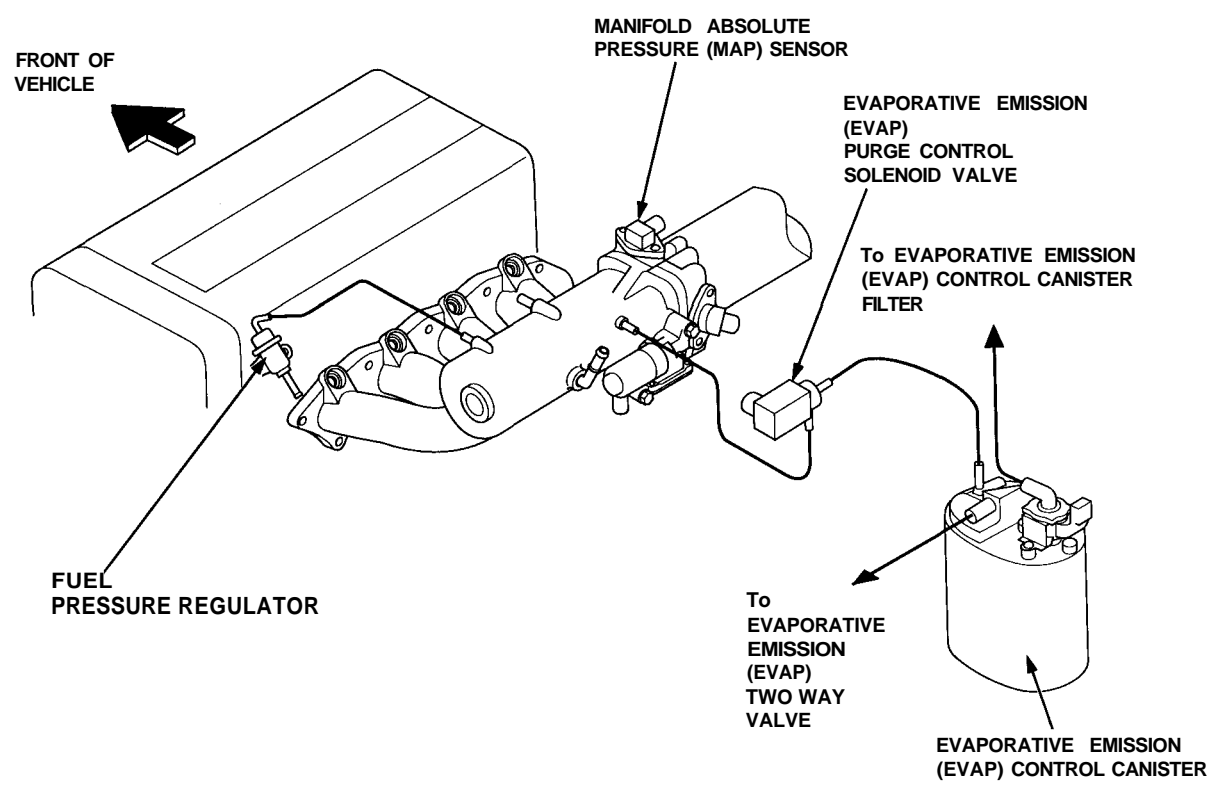
# System Description

## Vacuum Connections

B18B1 engine:

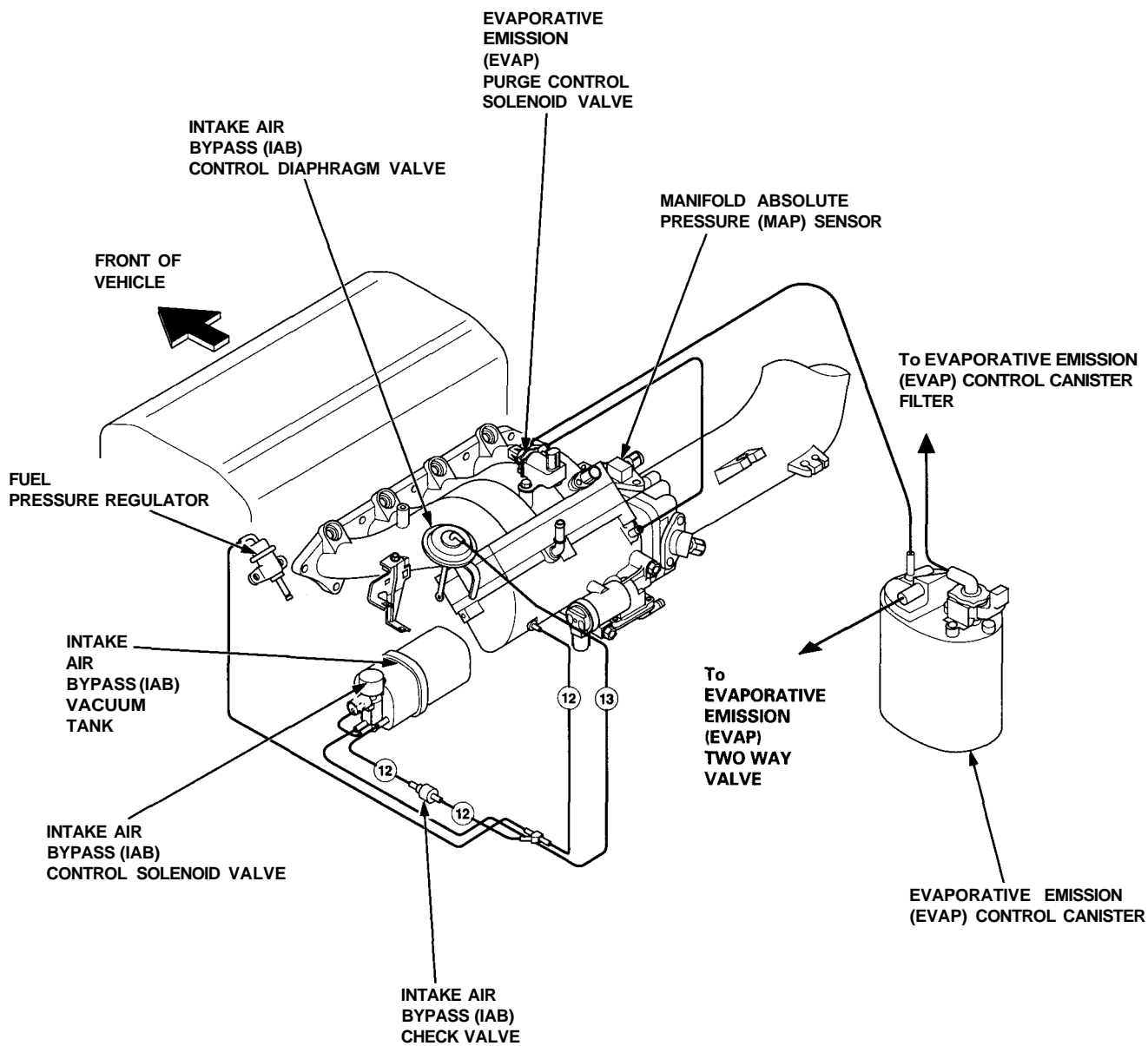


B18C5 engine:





B18C1 engine:



O: Vacuum hose No.

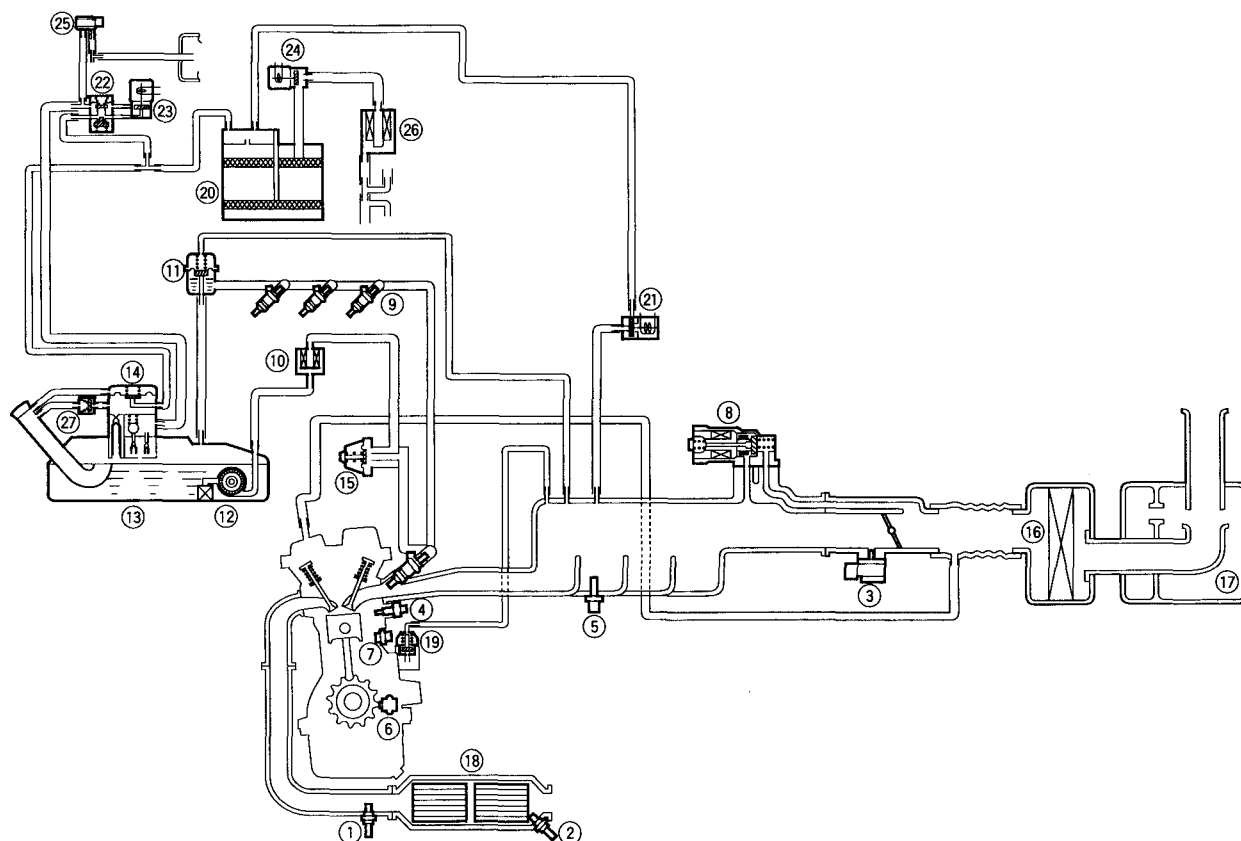
(cont'd)

## Vacuum Connections (cont'd)

- 11-10**



B18C5 engine:



- ① PRIMARY HEATED OXYGEN SENSOR (PRIMARY HO<sub>2</sub>S) (SENSOR 1)
- ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO<sub>2</sub>S) (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

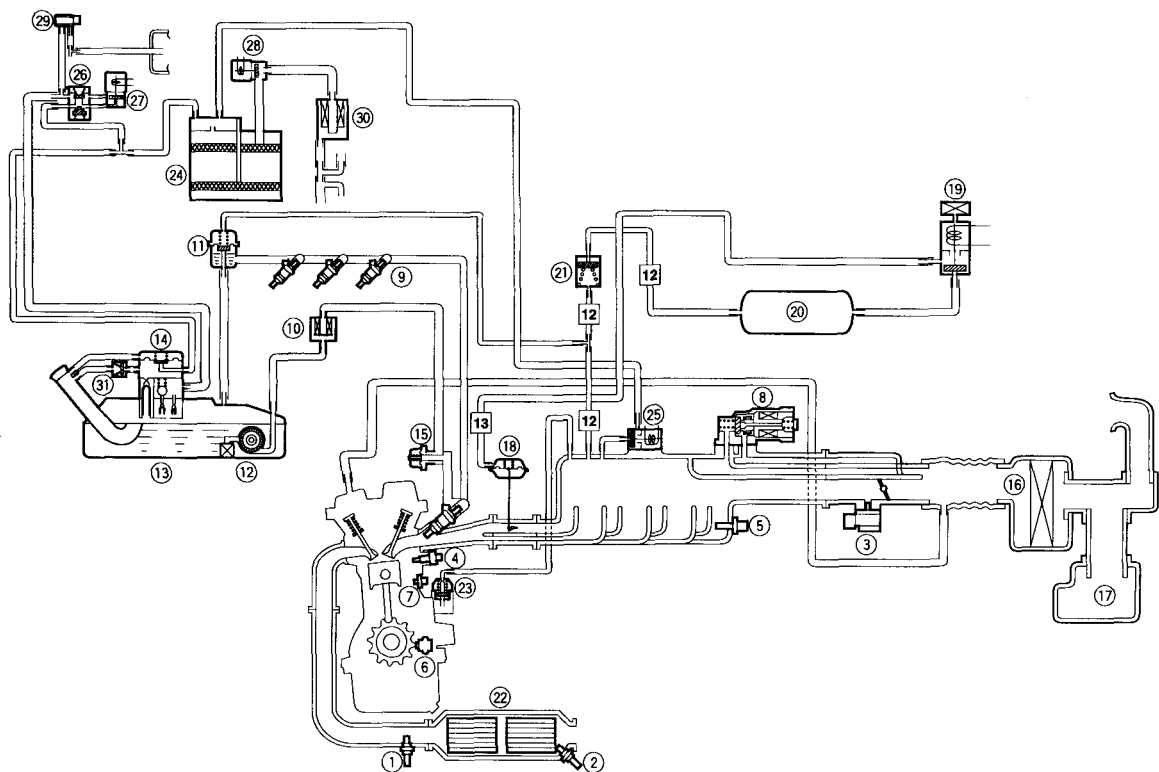
- ⑯ AIR CLEANER
- ⑰ RESONATOR
- ⑱ THREE WAY CATALYTIC CONVERTER (TWC)
- ⑲ POSITIVE CRANKCASE VENTILATION (PCV) VALVE
- ⑳ EVAPORATIVE EMISSION (EVAP)CONTROL CANISTER
- ㉑ EVAPORATIVE EMISSION (EVAP)PURGE CONTROL SOLENOID VALVE
- ㉒ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE
- ㉓ EVAPORATIVE EMISSION (EVAP) 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 HO2S) (SENSOR 1)     | ⑩ INTAKE AIR BYPASS (IAB) CONTROL DIAPHRAGM VALVE                   |
| ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO2S) (SENSOR 2) | ⑪ INTAKE AIR BYPASS (IAB) CONTROL SOLENOID VALVE                    |
| ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR                    | ⑫ INTAKE AIR BYPASS (IAB) VACUUM TANK                               |
| ④ ENGINE COOLANT TEMPERATURE (ECT) SENSOR                    | ⑬ INTAKE AIR BYPASS (IAB) CHECK VALVE                               |
| ⑤ INTAKE AIR TEMPERATURE (IAT) SENSOR                        | ⑭ THREE WAY CATALYTIC CONVERTER (TWC)                               |
| ⑥ CRANKSHAFT SPEED FLUCTUATION (CKF) SENSOR                  | ⑮ POSITIVE CRANKCASE VENTILATION (PCV) VALVE                        |
| ⑦ KNOCK SENSOR (KS)  | ⑯ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER                      |
| ⑧ IDLE AIR CONTROL (IAC) VALVE                               | ⑰ EVAPORATIVE EMISSION (EVAP) PURGE CONTROL SOLENOID VALVE          |
| ⑨ FUEL INJECTOR  | ⑱ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE                         |
| ⑩ FUEL FILTER  | ⑲ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE                 |
| ⑪ FUEL PRESSURE REGULATOR                                    | ⑳ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER VENT SHUT VALVE      |
| ⑫ FUEL PUMP (FP)   | ㉑ FUEL TANK PRESSURE SENSOR   |
| ⑬ FUEL TANK  | ㉒ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER FILTER               |
| ⑭ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VENT SHUT VALVE    | ㉓ ONBOARD REFUELING VAPOR RECOVERY (ORVR) VAPOR RECIRCULATION VALVE |
| ⑮ FUEL PULSATION DAMPER                                      |   |
| ⑯ AIR CLEANER  |   |
| ⑰ RESONATOR  |   |