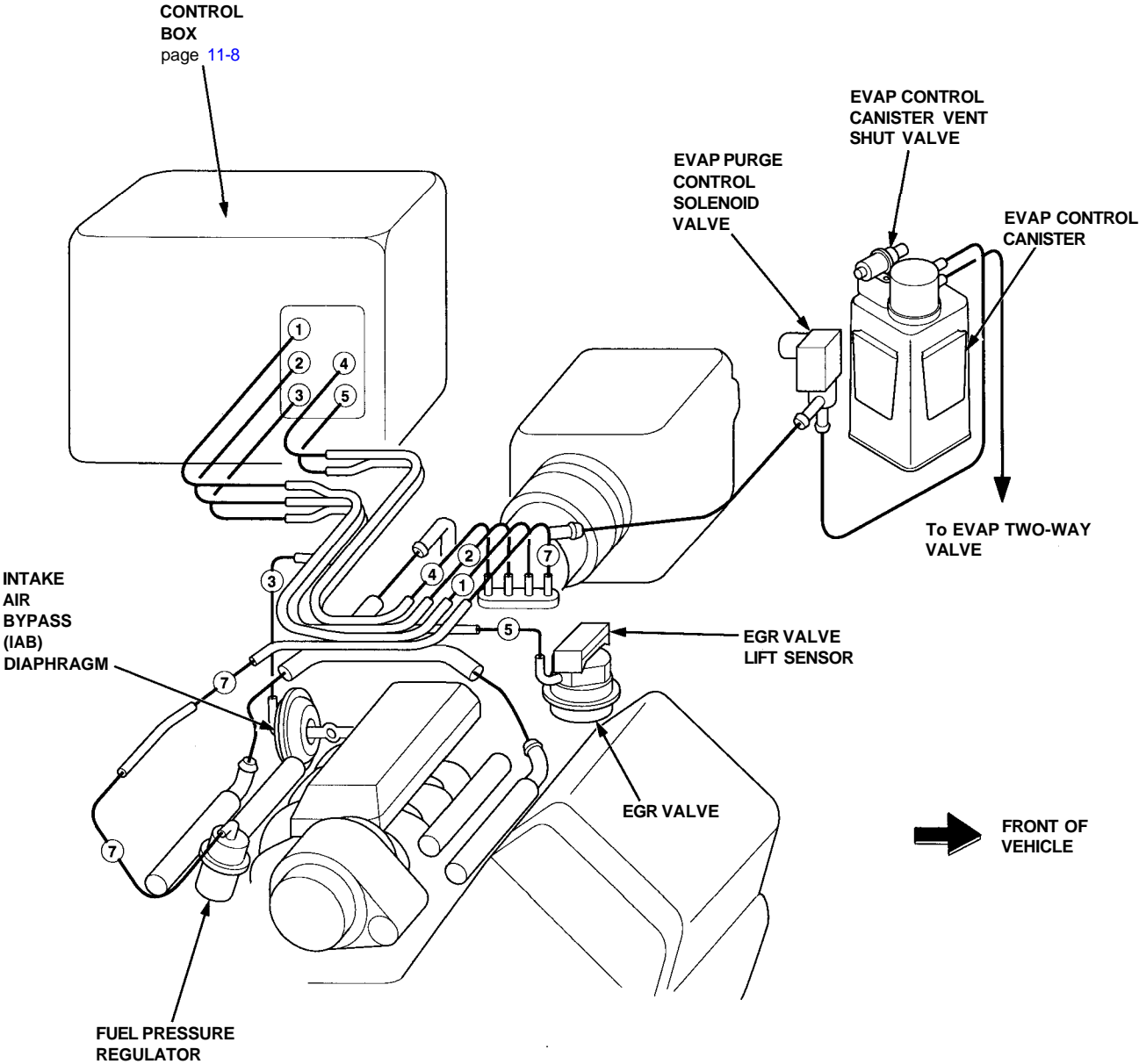


# System Description

## Vacuum Connections



For Troubleshooting of DTC related components, see chart on page 11-52.



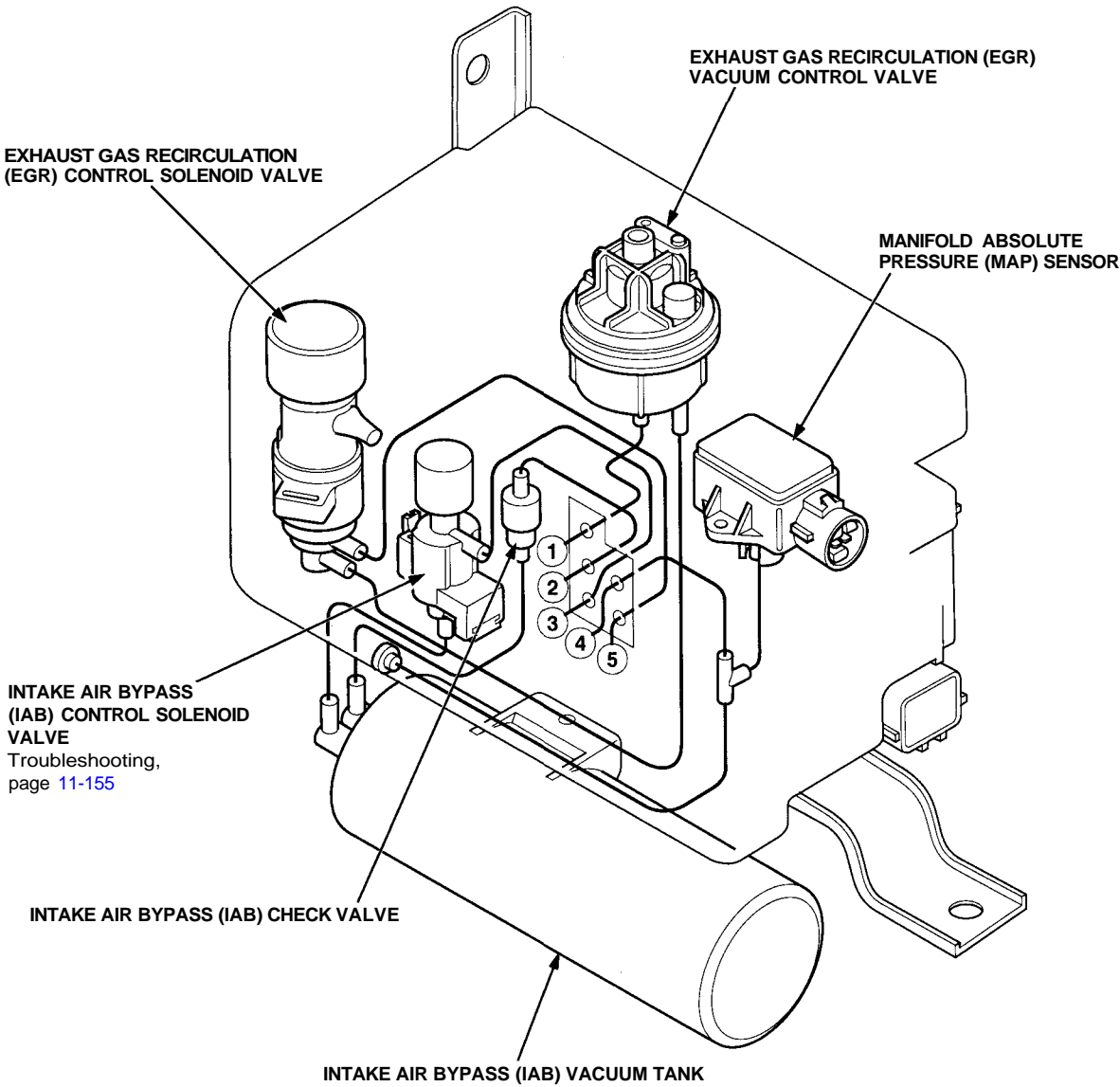
(cont'd)

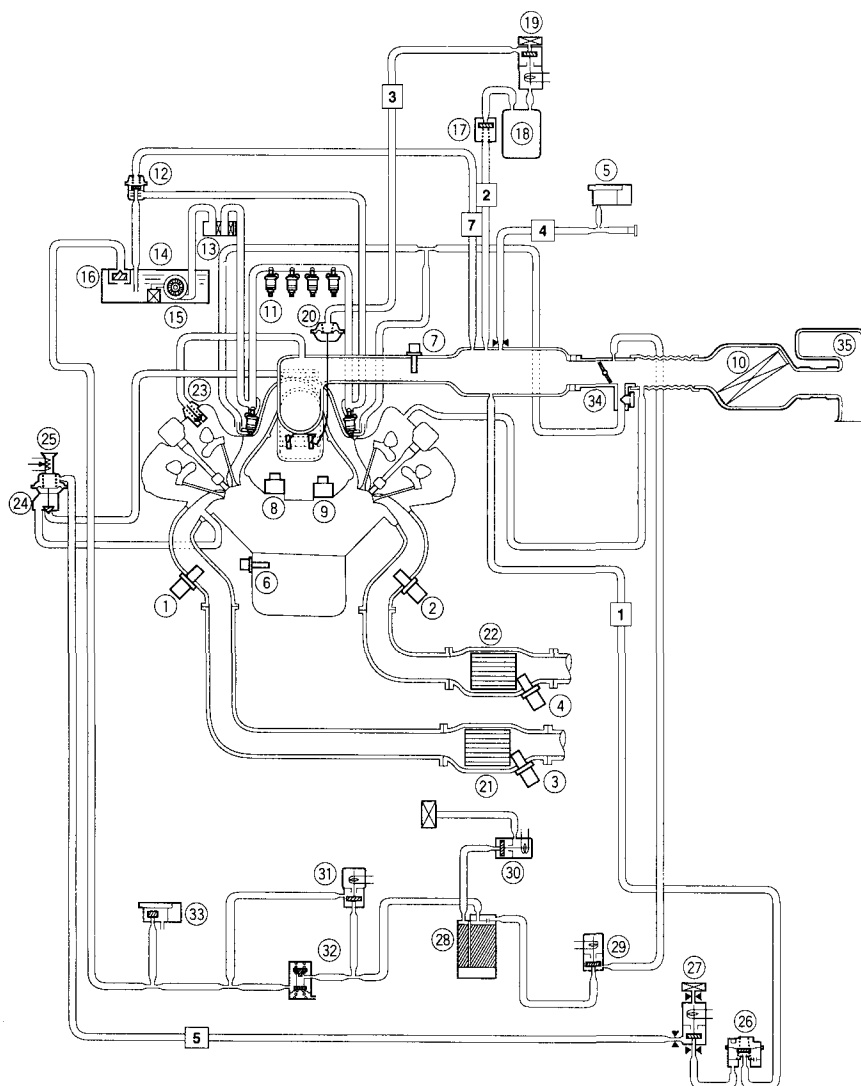
# System Description

## Vacuum Connections (cont'd)

### Control Box

For Troubleshooting of DTC related components, see chart on page [11-52](#).





□: Vacuum hose No.

- ① FRONT PRIMARY HEATED OXYGEN SENSOR (HO2S) (BANK 2, SENSOR 1)
- ② REAR PRIMARY HEATED OXYGEN SENSOR (HO2S) (BANK 1, SENSOR 1)
- ③ FRONT SECONDARY HEATED OXYGEN SENSOR (HO2S) (BANK 2, SENSOR 2)
- ④ REAR SECONDARY HEATED OXYGEN SENSOR (HO2S) (BANK 1, SENSOR 2)
- ⑤ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
- ⑥ ENGINE COOLANT TEMPERATURE (ECT) SENSOR
- ⑦ INTAKE AIR TEMPERATURE (IAT) SENSOR
- ⑧ FRONT KNOCK SENSOR (KS2)
- ⑨ REAR KNOCK SENSOR (KS1)
- ⑩ AIR CLEANER (ACL)
- ⑪ FUEL INJECTOR
- ⑫ FUEL PRESSURE REGULATOR
- ⑬ FUEL FILTER
- ⑭ FUEL PUMP (FP)
- ⑮ FUEL TANK
- ⑯ FUEL TANK EVAPORATIVE EMISSION (EVAP) VALVE
- ⑰ INTAKE AIR BYPASS (IAB) CHECK VALVE
- ⑱ INTAKE AIR BYPASS (IAB) VACUUM TANK
- ⑲ INTAKE AIR BYPASS (IAB) CONTROL SOLENOID VALVE

- ⑳ INTAKE AIR BYPASS (IAB) CONTROL DIAPHRAGM
- ㉑ FRONT THREE WAY CATALYTIC CONVERTER (TWO
- ㉒ REAR THREE WAY CATALYTIC CONVERTER (TWO
- ㉓ POSITIVE CRANKCASE VENTILATION (PCV) VALVE
- ㉔ EXHAUST GAS RECIRCULATION (EGR) VALVE
- ㉕ EXHAUST GAS RECIRCULATION (EGR) VALVE LIFT SENSOR
- ㉖ EXHAUST GAS RECIRCULATION (EGR) VACUUM CONTROL VALVE
- ㉗ EXHAUST GAS RECIRCULATION (EGR) CONTROL SOLENOID VALVE
- ㉘ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER
- ㉙ EVAPORATIVE EMISSION (EVAP) PURGE CONTROL SOLENOID VALVE
- ㉚ EVAPORATIVE EMISSION (EVAP) CONTROL CANISTER VENT SHUT VALVE
- ㉛ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE
- ㉜ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE
- ㉝ FUEL TANK PRESSURE SENSOR
- ㉞ THROTTLE BODY (TB)
- ㉟ RESONATOR