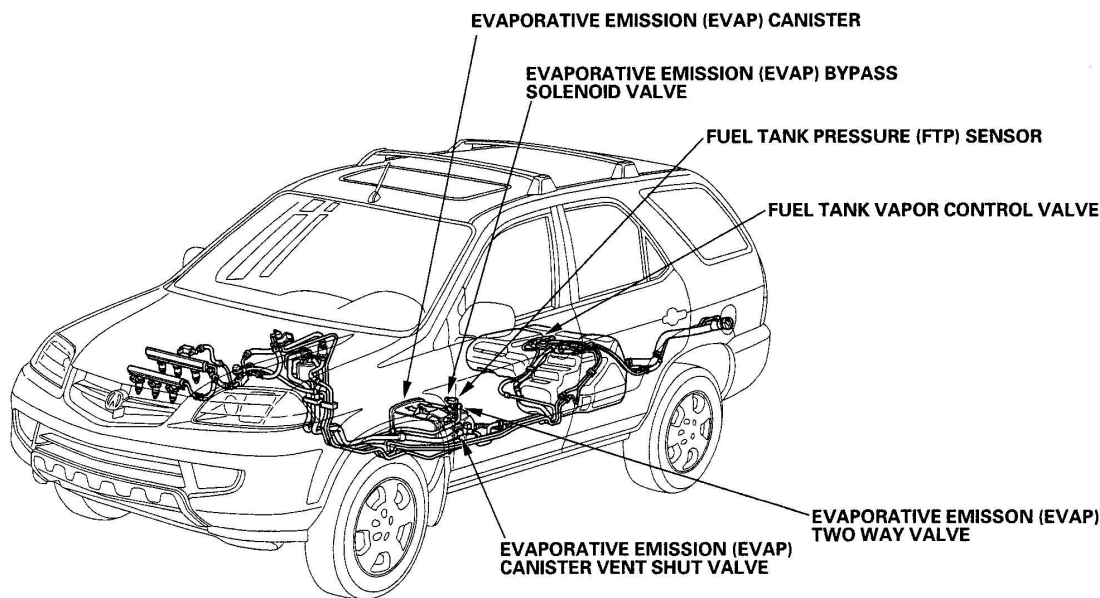


2002 ENGINE PERFORMANCE**Vacuum Diagrams****INTRODUCTION**

This article contains underhood views or schematics of vacuum hose routing. Use these vacuum diagrams during the visual inspection in BASIC DIAGNOSTIC PROCEDURES article. This will assist in identifying improperly routed vacuum hoses, which cause driveability and/or computer-indicated malfunctions.

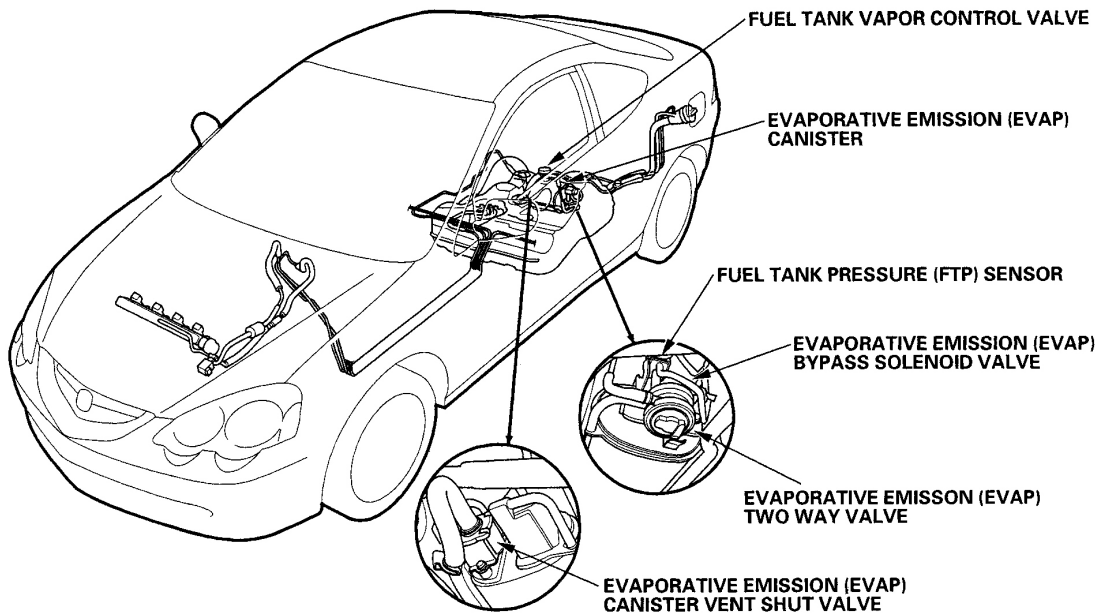


G00070962

Fig. 1: Evaporative Emission Control System Vacuum Diagram (MDX)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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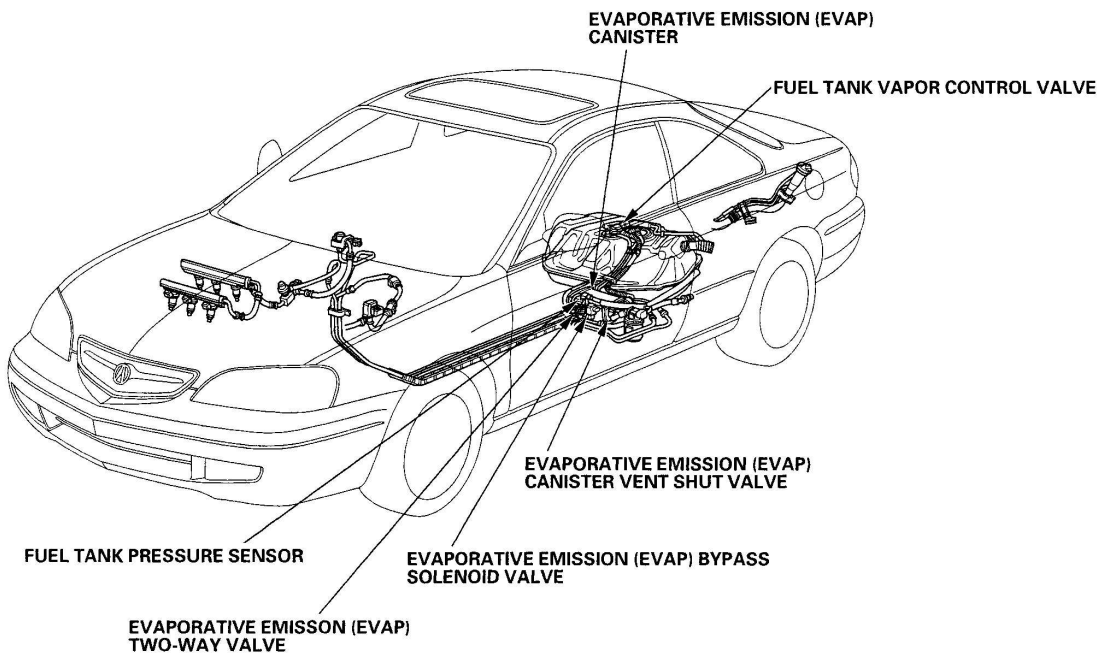
2002 ENGINE PERFORMANCE Vacuum Diagrams



NOTE: The illustration shows the K20A3 engine; the K20A2 engine is similar.

G00070963

Fig. 2: Evaporative Emission Control System Vacuum Diagram (RSX)
Courtesy of AMERICAN HONDA MOTOR CO., INC.



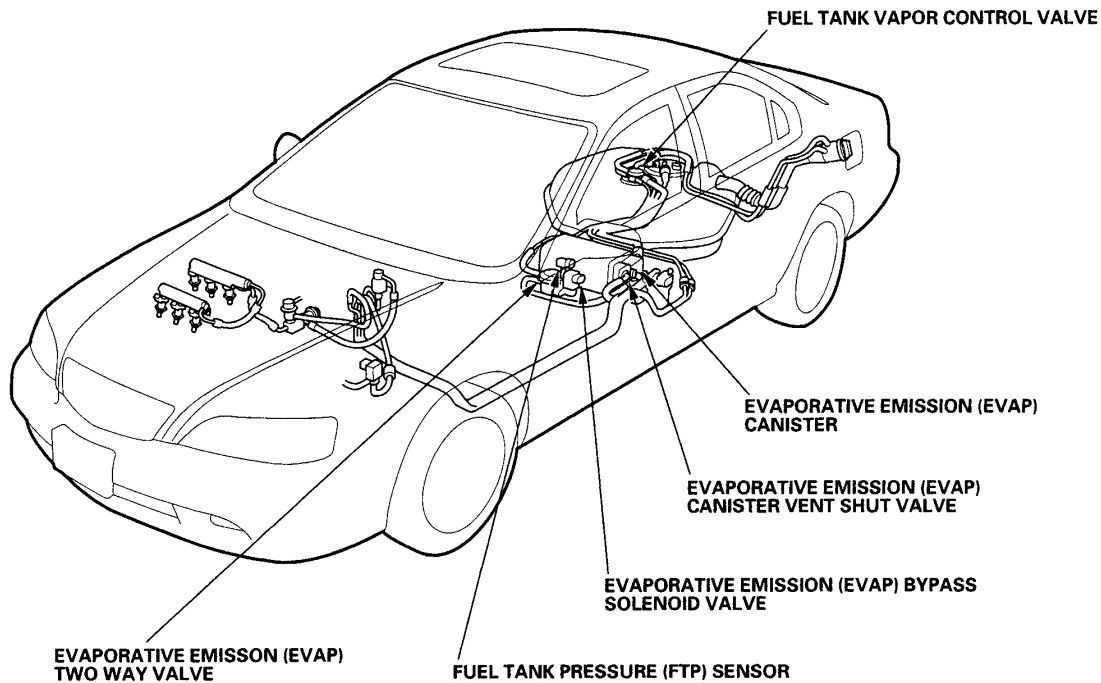
G00070964

Fig. 3: Evaporative Emission Control System Vacuum Diagram (3.2CL)

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Courtesy of AMERICAN HONDA MOTOR CO., INC.

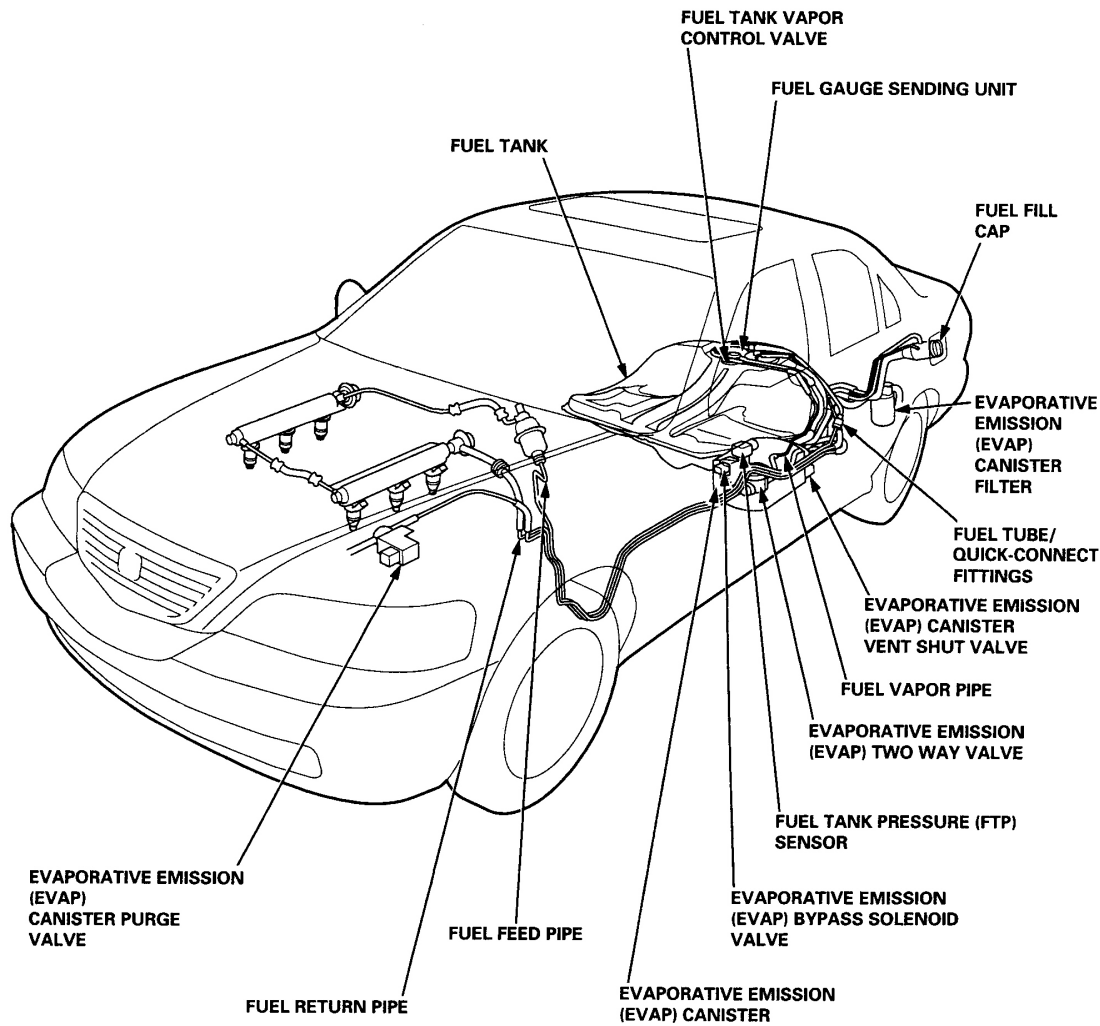


G00070965

Fig. 4: Evaporative Emission Control System Vacuum Diagram (3.2TL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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G00070966

Fig. 5: Evaporative Emission Control System Vacuum Diagram (3.5RL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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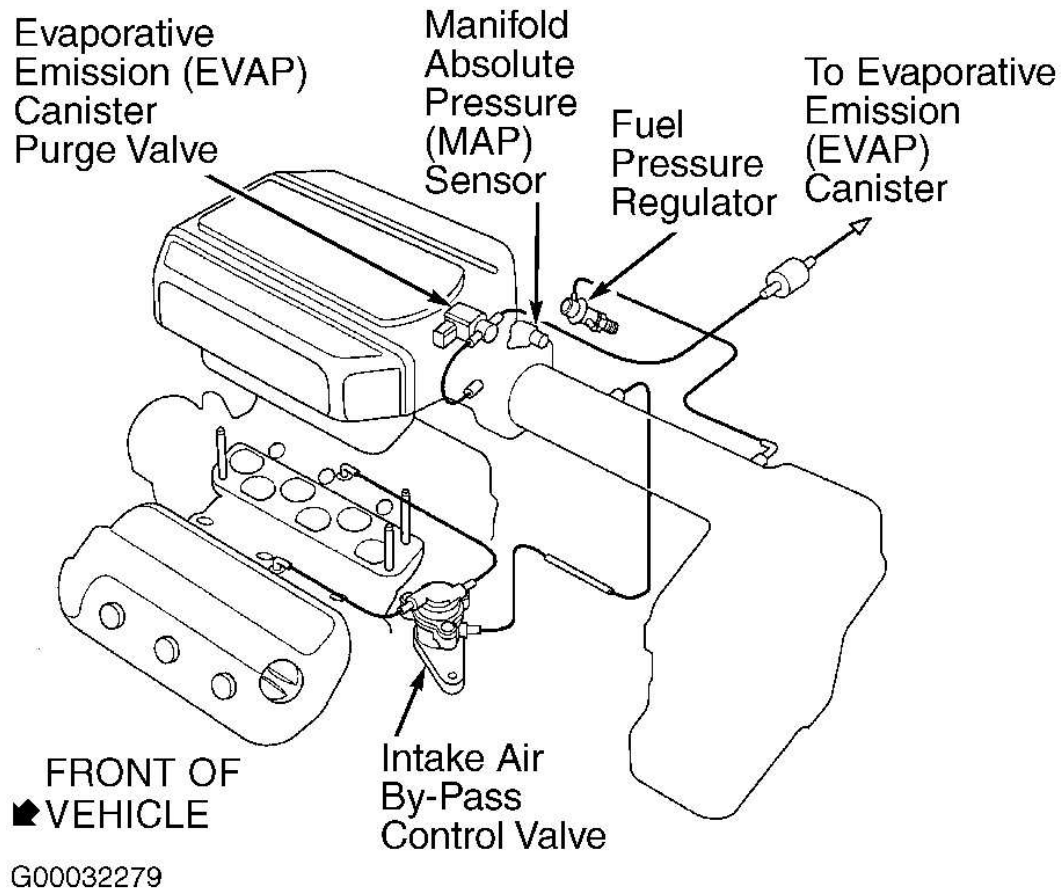
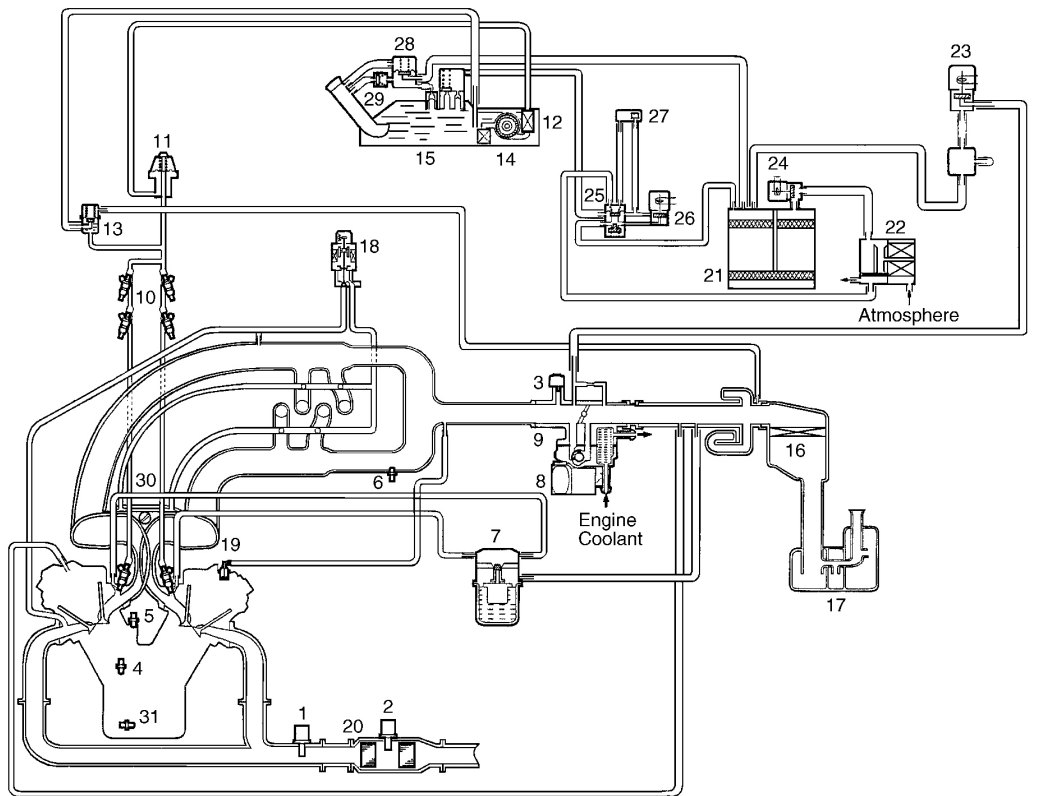


Fig. 6: Vacuum Diagram (MDX - 1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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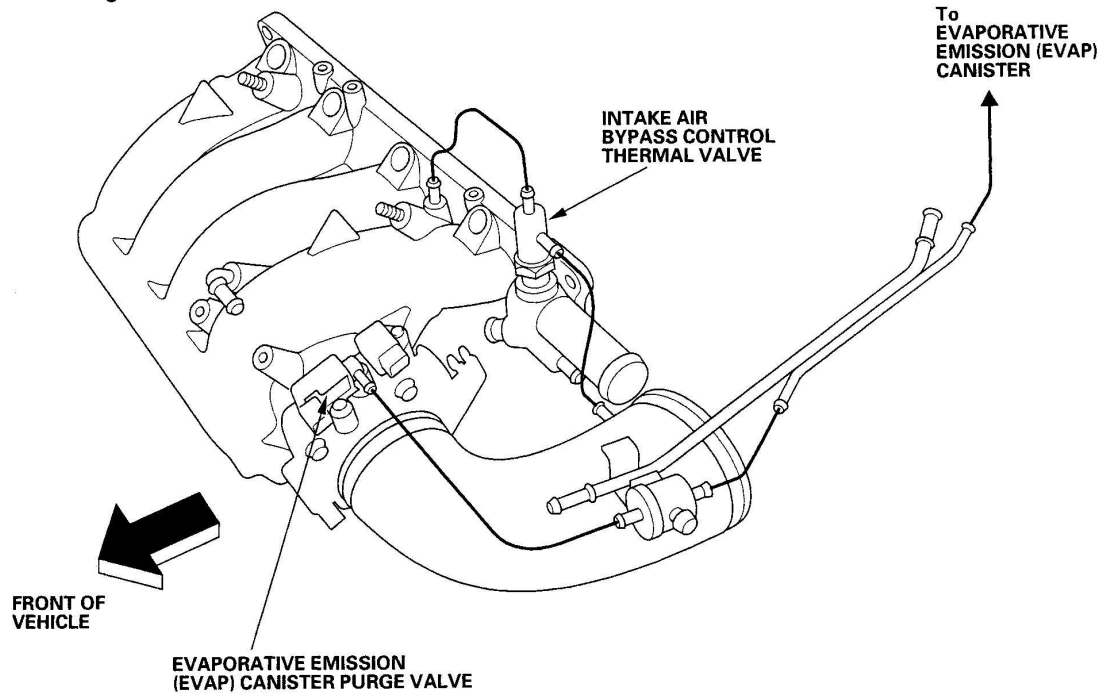
G00032280

Fig. 7: Vacuum Diagram (MDX - 2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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K20A2 engine

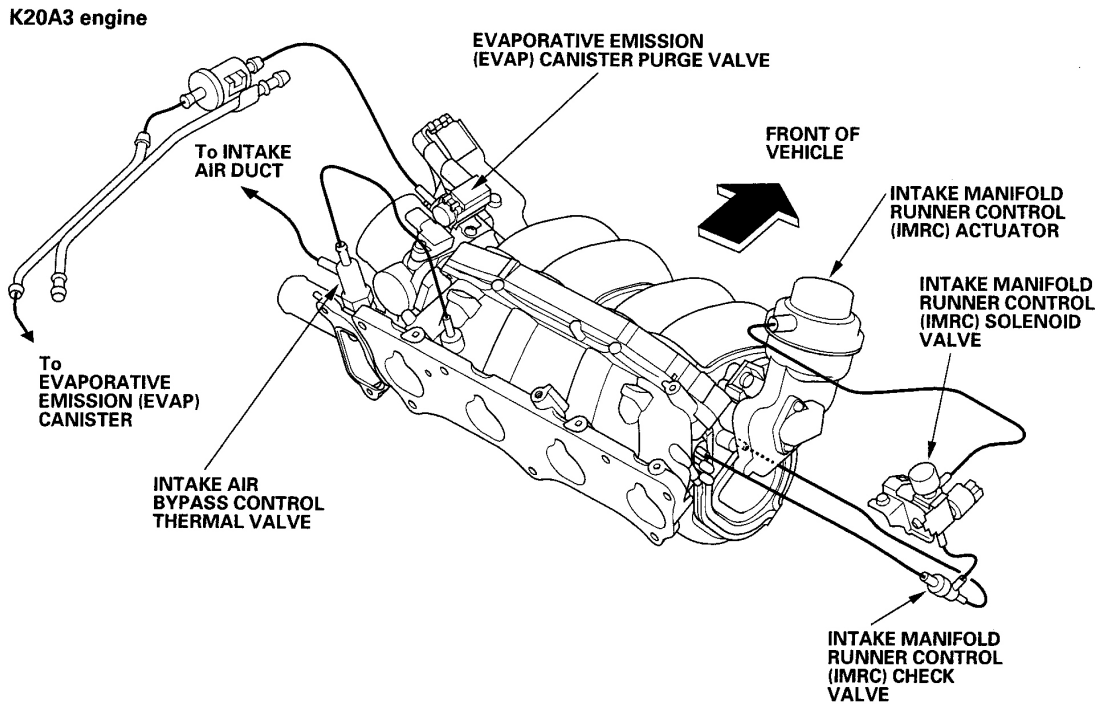


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Fig. 8: Vacuum Diagram (RSX - 1 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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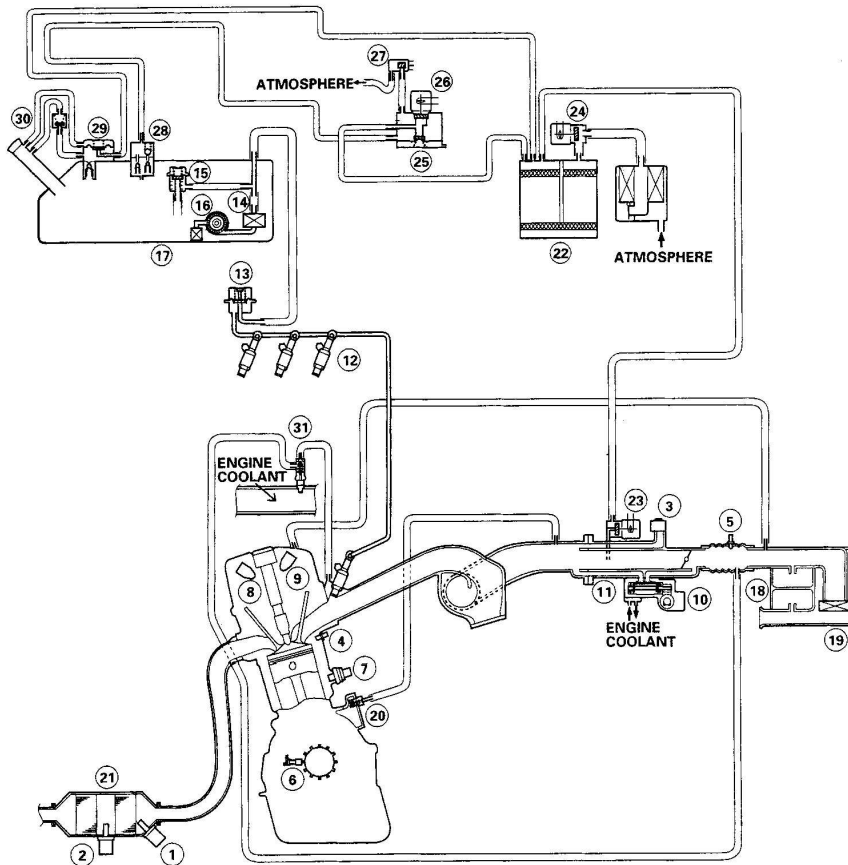
G00070913

Fig. 9: Vacuum Diagram (RSX - 2 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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K20A2 engine

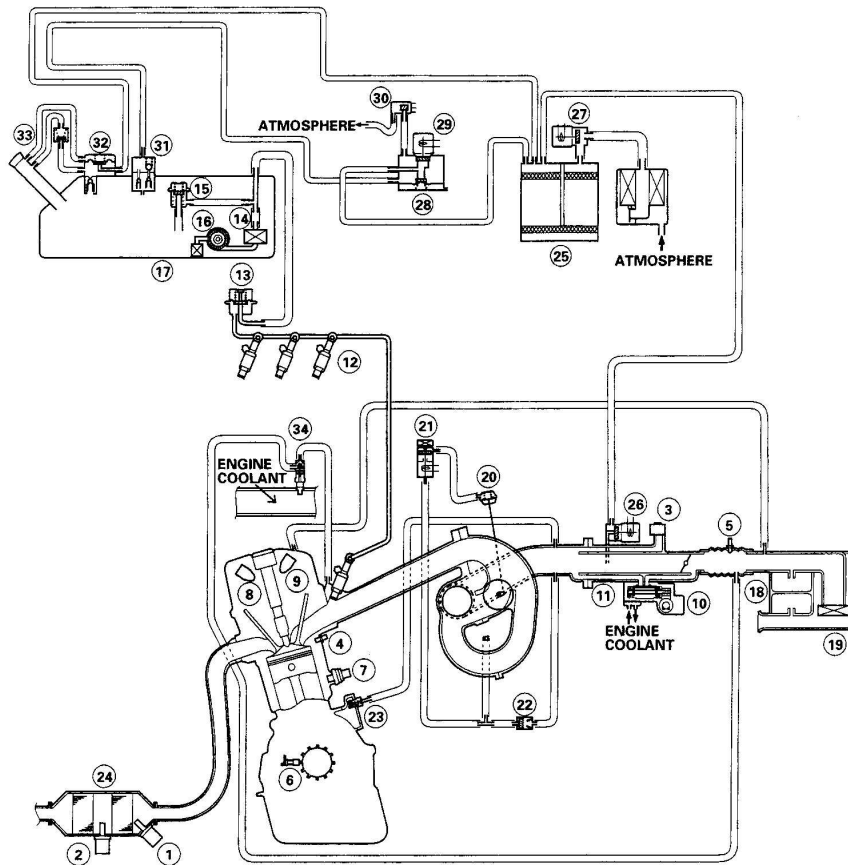


- | | |
|--------------------------------------------------------------|--------------------------------------------------------|
| ① AIR FUEL RATIO (A/F) SENSOR (SENSOR 1) | ⑮ RESONATOR |
| ② SECONDARY HEATED OXYGEN SENSOR (SECONDARY HO2S) (SENSOR 2) | ⑯ AIR CLEANER |
| ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR | ⑰ POSITIVE CRANKCASE VENTILATION (PCV) VALVE |
| ④ ENGINE COOLANT TEMPERATURE (ECT) SENSOR | ⑱ THREE WAY CATALYTIC CONVERTER |
| ⑤ INTAKE AIR TEMPERATURE (IAT) SENSOR | ⑳ EVAPORATIVE EMISSION (EVAP) CANISTER |
| ⑥ CRANKSHAFT POSITION (CKP) SENSOR | ㉑ EVAPORATIVE EMISSION (EVAP) CANISTER PURGE VALVE |
| ⑦ KNOCK SENSOR | ㉒ EVAPORATIVE EMISSION (EVAP) CANISTER VENT SHUT VALVE |
| ⑧ CAMSHAFT POSITION (CMP) SENSOR | ㉓ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE |
| ⑨ TOP DEAD CENTER (TDC) SENSOR | ㉔ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE |
| ⑩ IDLE AIR CONTROL (IAC) VALVE | ㉕ FUEL TANK PRESSURE (FTP) SENSOR |
| ⑪ THROTTLE BODY | ㉖ EVAPORATIVE EMISSION (EVAP) VALVE |
| ⑫ INJECTOR | ㉗ FUEL TANK VAPOR CONTROL VALVE |
| ⑬ FUEL PULSATION DAMPER | ㉘ FUEL TANK VAPOR RECIRCULATION VALVE |
| ⑭ FUEL FILTER | ㉙ INTAKE AIR BYPASS CONTROL THERMAL VALVE |
| ⑮ FUEL PRESSURE REGULATOR | |
| ⑯ FUEL PUMP | |
| ⑰ FUEL TANK | |

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Fig. 10: Vacuum Diagram (RSX - 3 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

K20A3 engine



- ① AIR FUEL RATIO (A/F) SENSOR (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 POSITION (CKP) SENSOR
- ⑦ KNOCK SENSOR
- ⑧ CAMSHAFT POSITION (CMP) SENSOR
- ⑨ TOP DEAD CENTER (TDC) SENSOR
- ⑩ IDLE AIR CONTROL (IAC) VALVE
- ⑪ THROTTLE BODY
- ⑫ INJECTOR
- ⑬ FUEL PULSATION DAMPER
- ⑭ FUEL FILTER
- ⑮ FUEL PRESSURE REGULATOR
- ⑯ FUEL PUMP
- ⑰ FUEL TANK
- ⑱ RESONATOR
- ⑲ AIR CLEANER

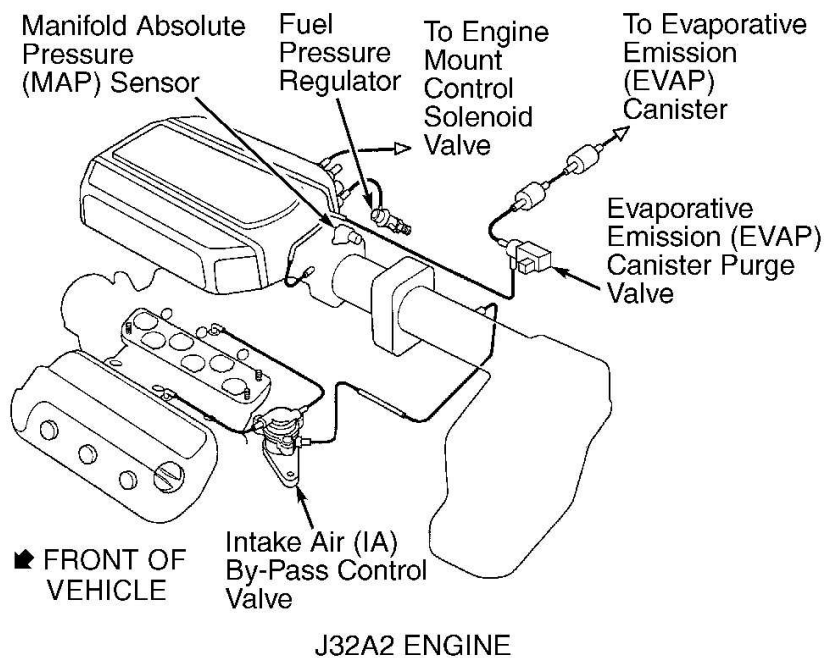
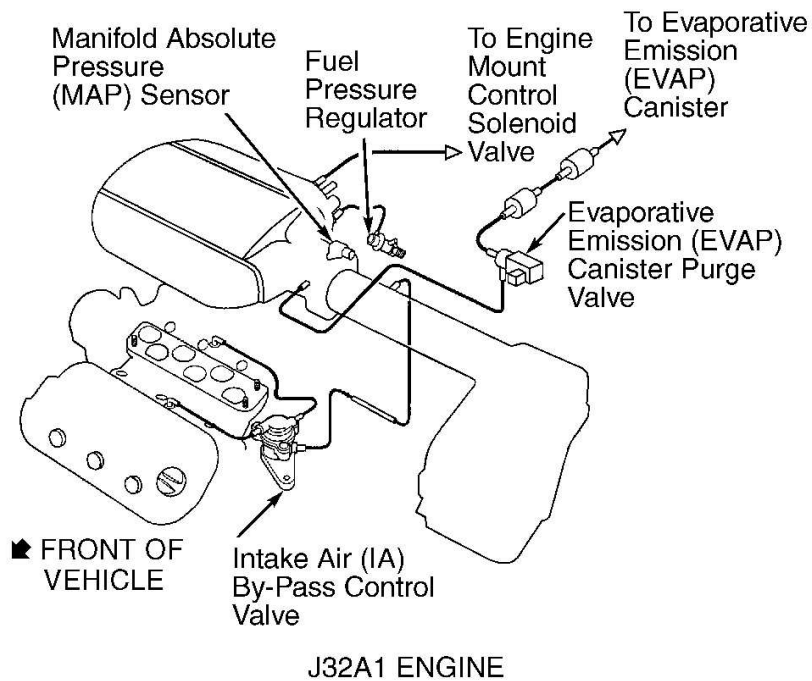
- ⑳ INTAKE MANIFOLD RUNNER CONTROL (IMRC) ACTUATOR
- ㉑ INTAKE MANIFOLD RUNNER CONTROL (IMRC) SOLENOID VALVE
- ㉒ INTAKE MANIFOLD RUNNER CONTROL (IMRC) CHECK VALVE
- ㉓ POSITIVE CRANKCASE VENTILATION (PCV) VALVE
- ㉔ THREE WAY CATALYTIC CONVERTER
- ㉕ EVAPORATIVE EMISSION (EVAP) CANISTER
- ㉖ EVAPORATIVE EMISSION (EVAP) CANISTER PURGE VALVE
- ㉗ EVAPORATIVE EMISSION (EVAP) CANISTER VENT SHUT VALVE
- ㉘ EVAPORATIVE EMISSION (EVAP) TWO WAY VALVE
- ㉙ EVAPORATIVE EMISSION (EVAP) BYPASS SOLENOID VALVE
- ㉚ FUEL TANK PRESSURE (FTP) SENSOR
- ㉛ EVAPORATIVE EMISSION (EVAP) VALVE
- ㉜ FUEL TANK VAPOR CONTROL VALVE
- ㉝ FUEL TANK VAPOR RECIRCULATION VALVE
- ㉞ INTAKE AIR BYPASS CONTROL THERMAL VALVE

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Fig. 11: Vacuum Diagram (RSX - 4 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

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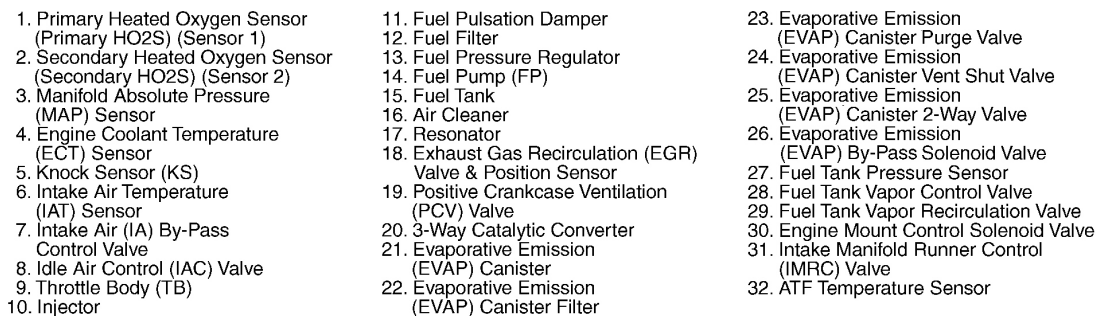
2002 ENGINE PERFORMANCE Vacuum Diagrams



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Fig. 12: Vacuum Diagram (3.2CL & 3.2TL - 1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2002 ENGINE PERFORMANCE Vacuum Diagrams

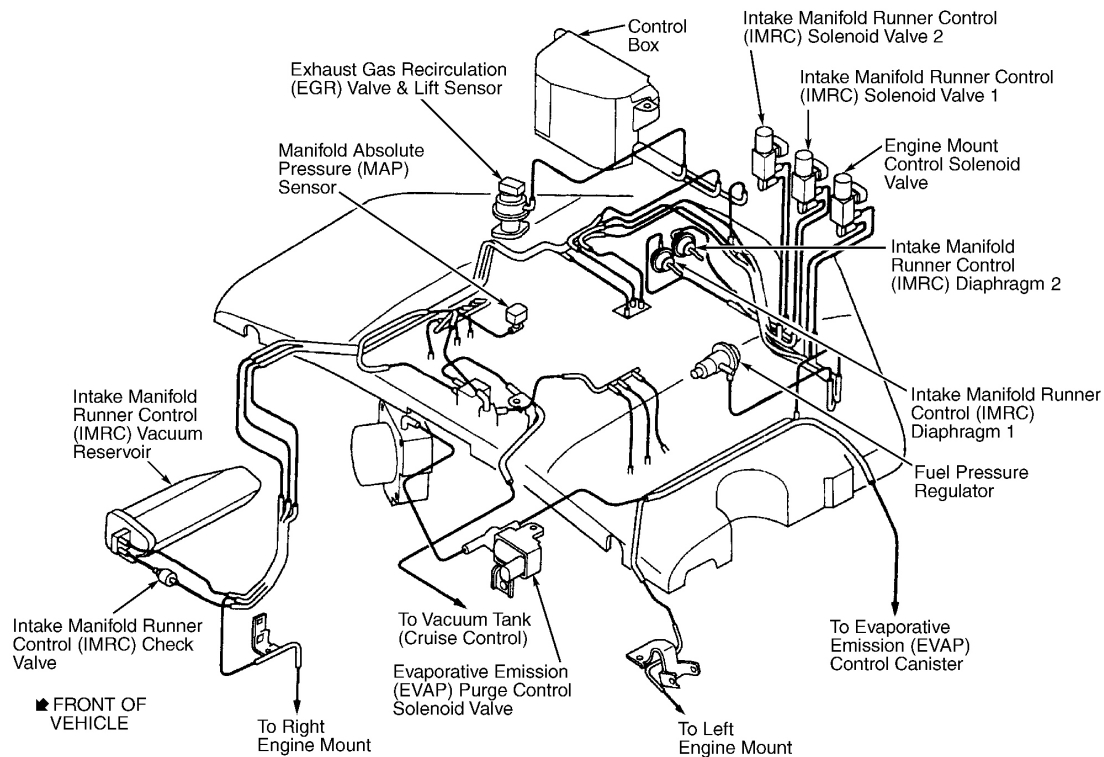


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Fig. 13: Vacuum Diagram (3.2CL & 3.2TL - 2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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G00009608

Fig. 14: Vacuum Diagram (3.5RL - 1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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2002 ENGINE PERFORMANCE Vacuum Diagrams

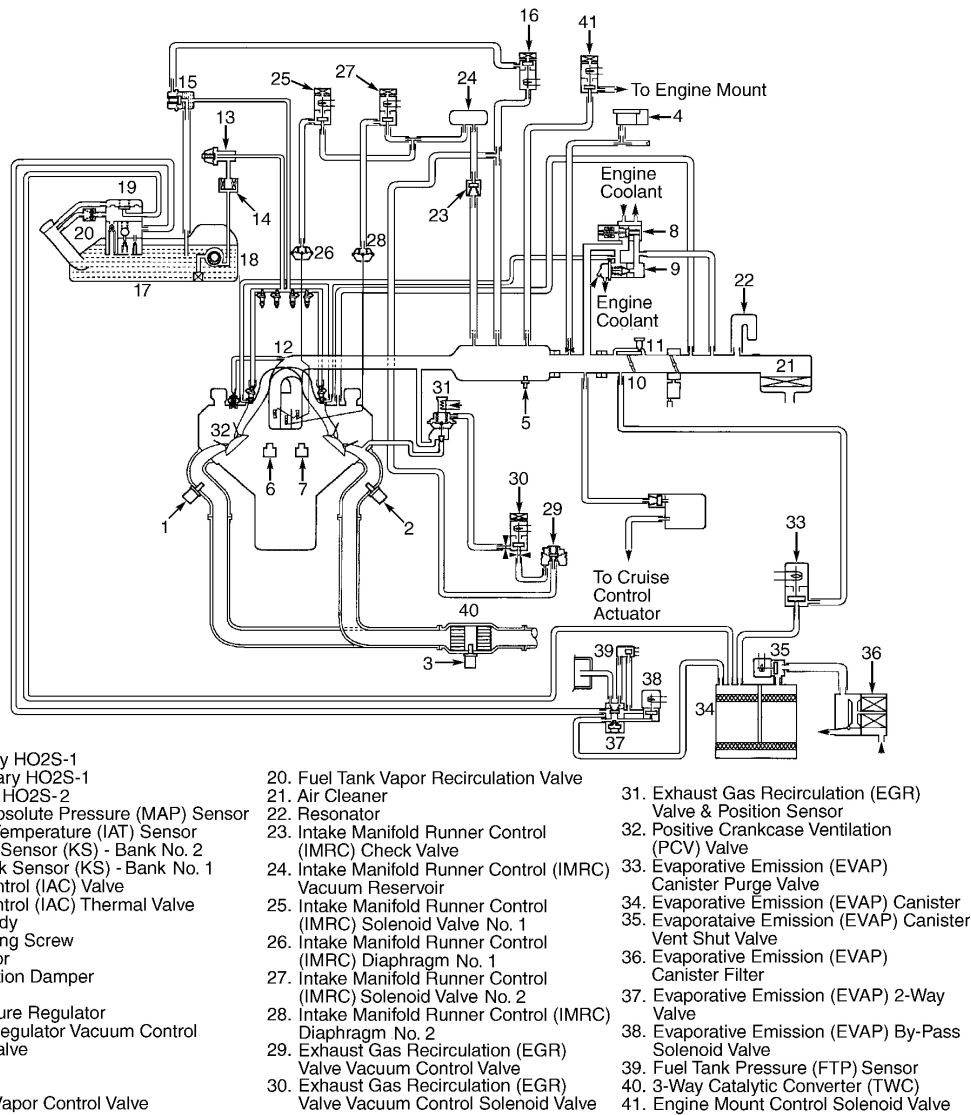


Fig. 15: Vacuum Diagram (3.5RL - 2 Of 2)

Courtesy of AMERICAN HONDA MOTOR CO., INC.