

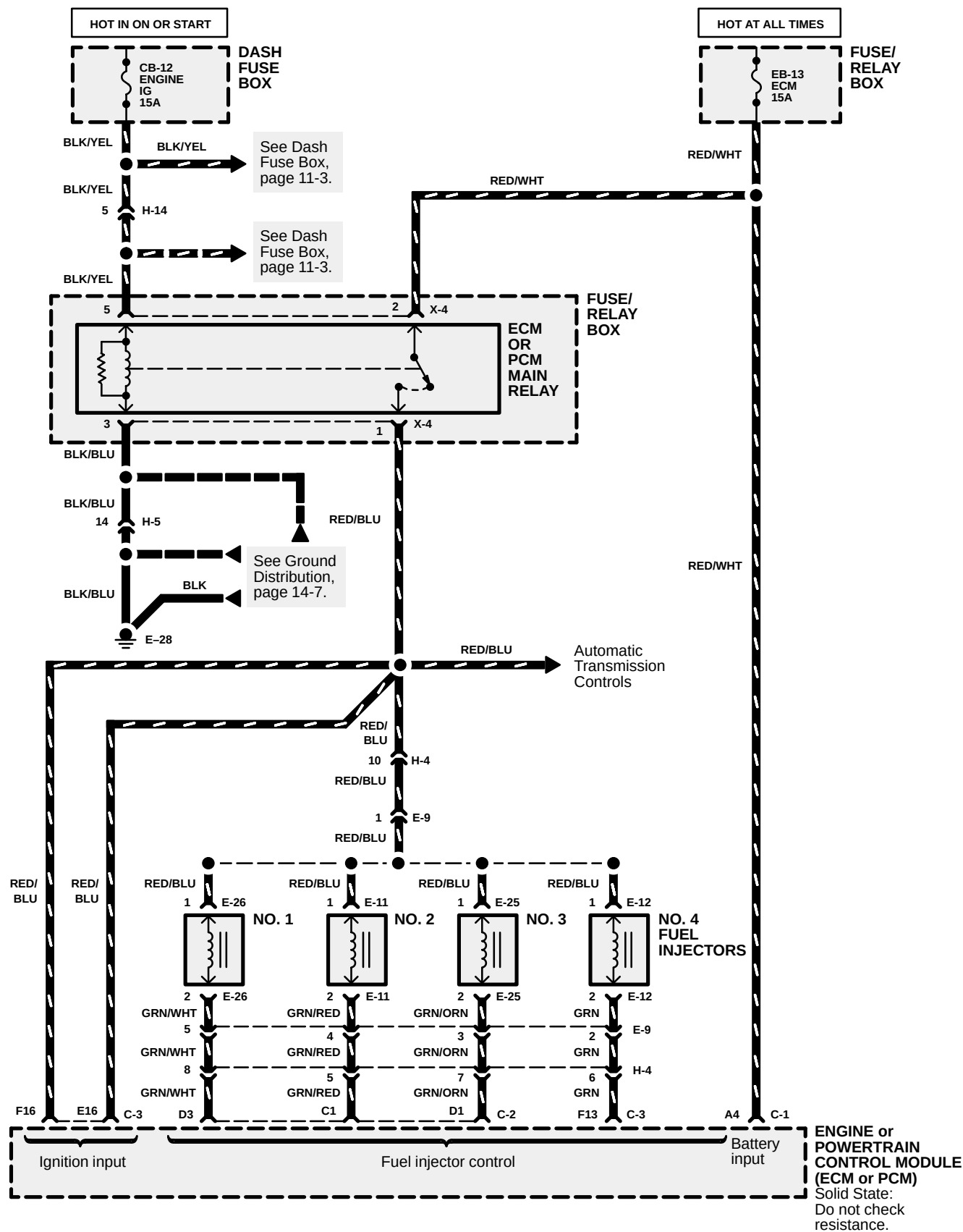
ENGINE CONTROLS: 2.2L

Component Index

Dash Fuse Box	Heated Oxygen Sensor (HO2S-POST)
Data Link Connector (DLC)	Idle Air Control (IAC) Valve
ECM Main Relay	Intake Air Temperature (IAT) Sensor
Engine or Powertrain Control Module (ECM or PCM)	Knock (KS) Sensor
Engine Coolant Temperature (ECT) Sensor	Manifold Absolute Pressure (MAP) Sensor
Evaporative Emission (EVAP) Canister Cut Valve	Multi-Plexed Indicator Control Unit
Evaporative Emission (EVAP) Canister Purge Valve	No. 1 Fuel Injector
Exhaust Gas Recirculation (EGR) Solenoid Valve	No. 2 Fuel Injector
Fuel Pump Relay	No. 3 Fuel Injector
Fuel Tank Unit	No. 4 Fuel Injector
Fuel Vapor Pressure Sensor	Power Steering Pressure (PSP) Switch
Fuse/Relay Box	Throttle Position (TP) Sensor
Heated Oxygen Sensor (HO2S-PRE)	

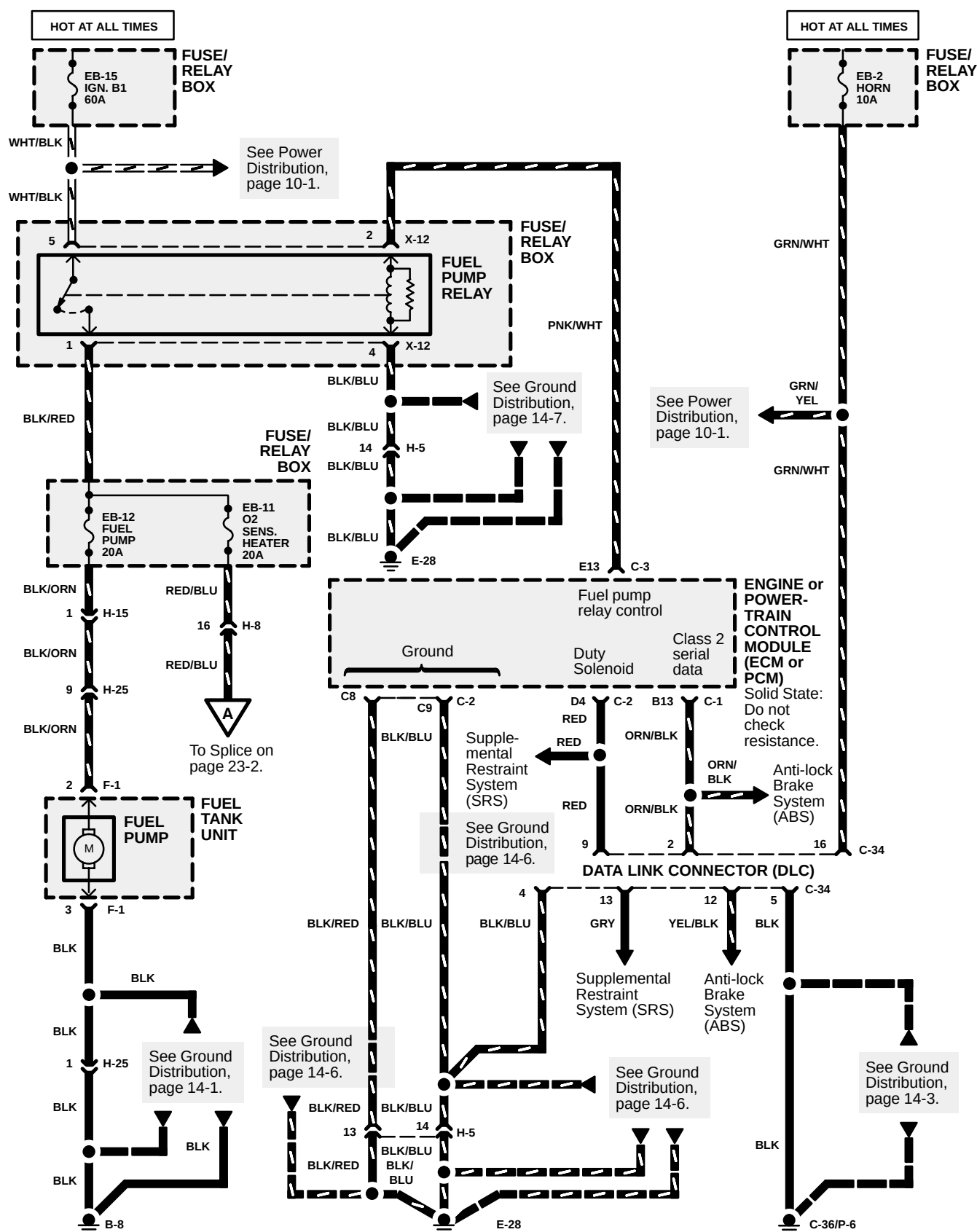
ENGINE CONTROLS: 2.2L

Circuit Schematic



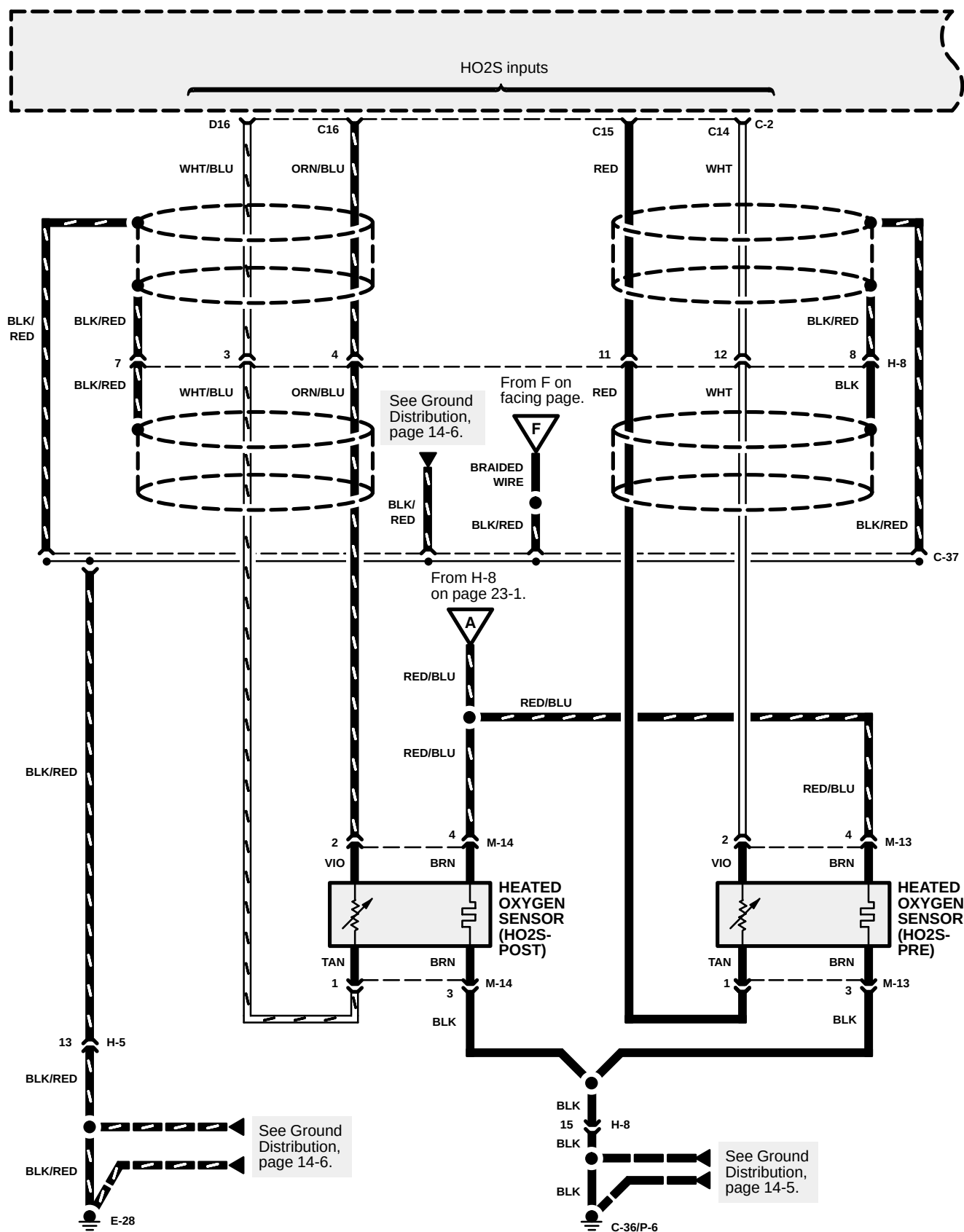
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Circuit Schematic



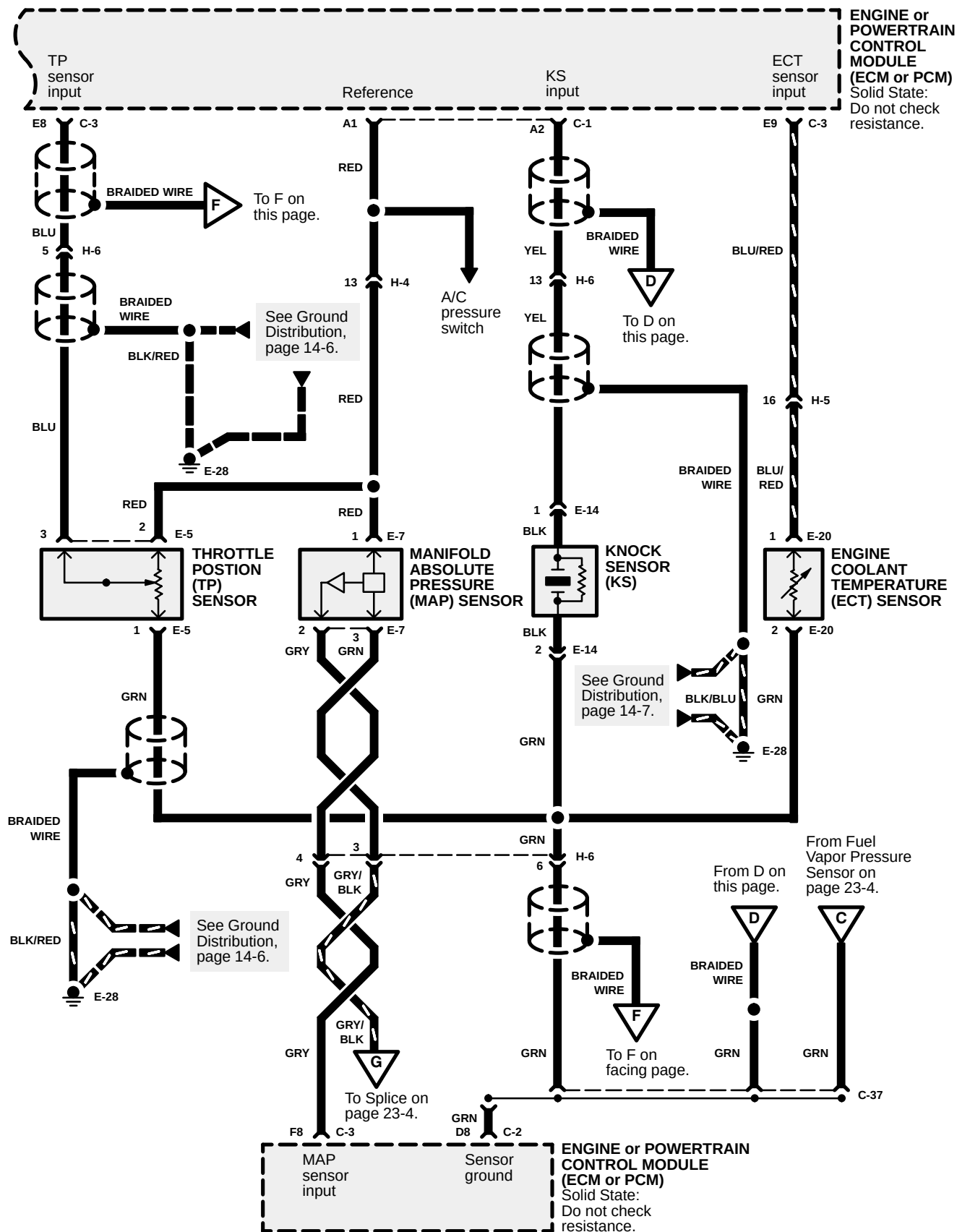
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Circuit Schematic



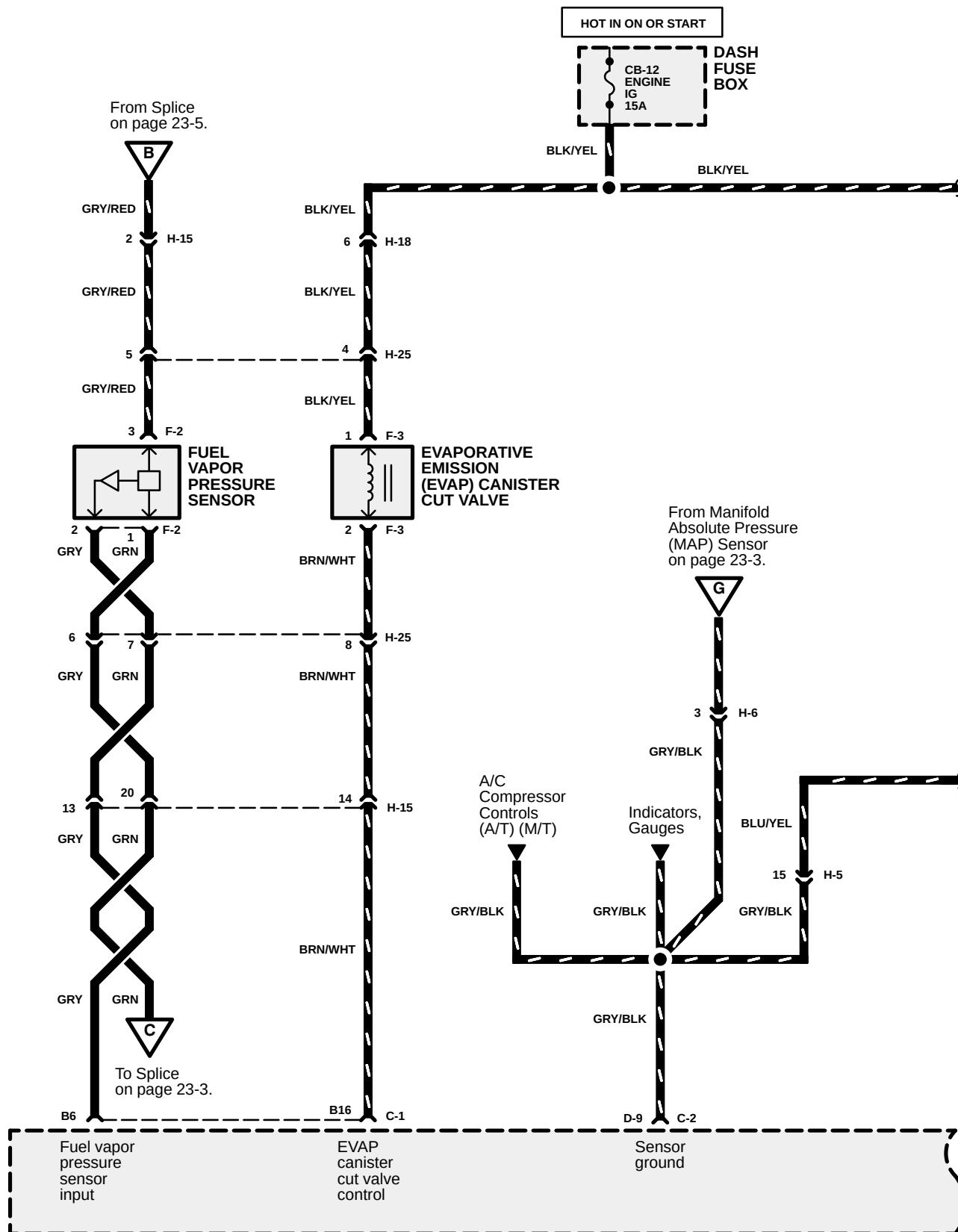
ENGINE CONTROLS: 2.2L

Circuit Schematic



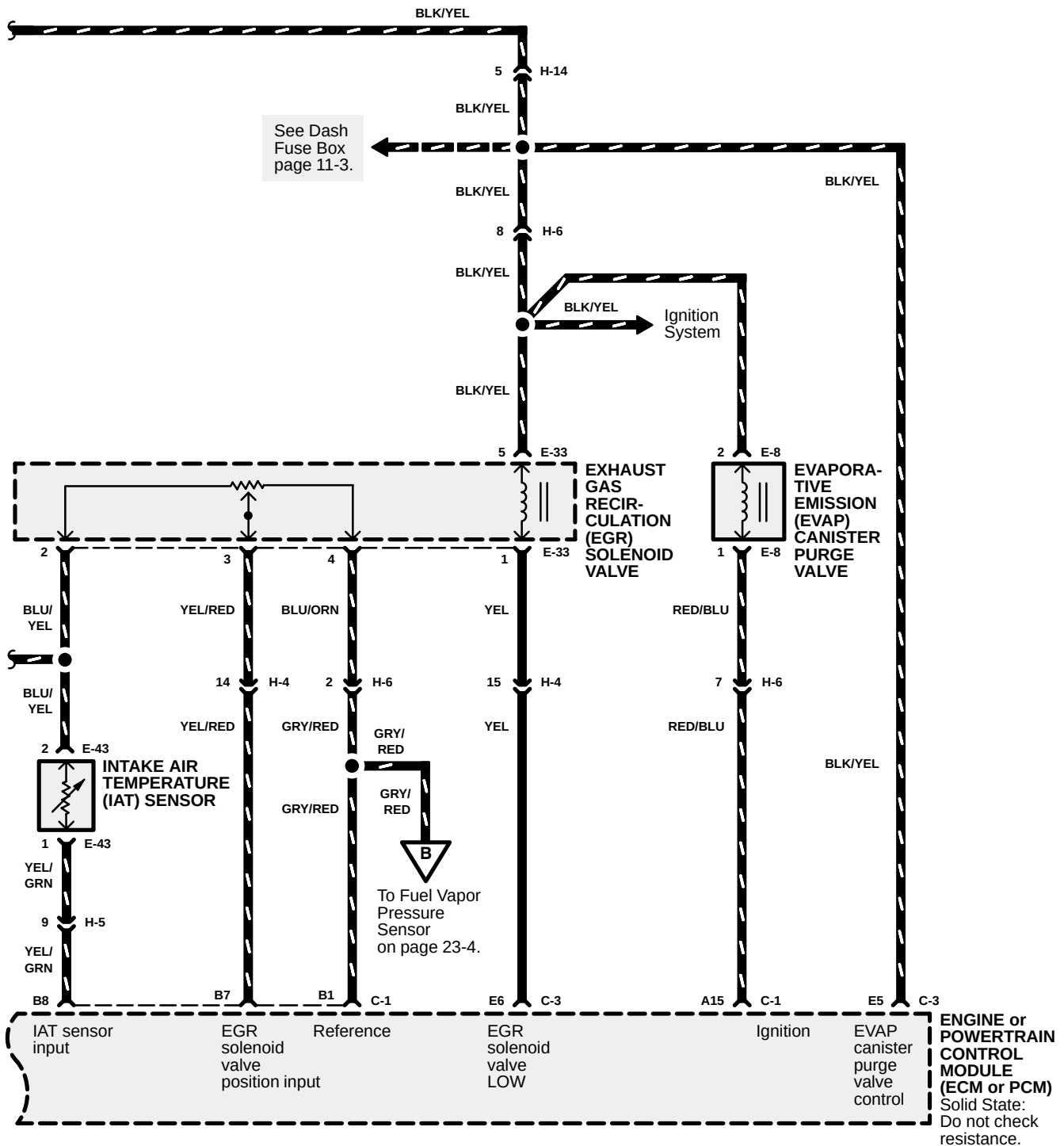
ENGINE CONTROLS: 2.2L

Circuit Schematic



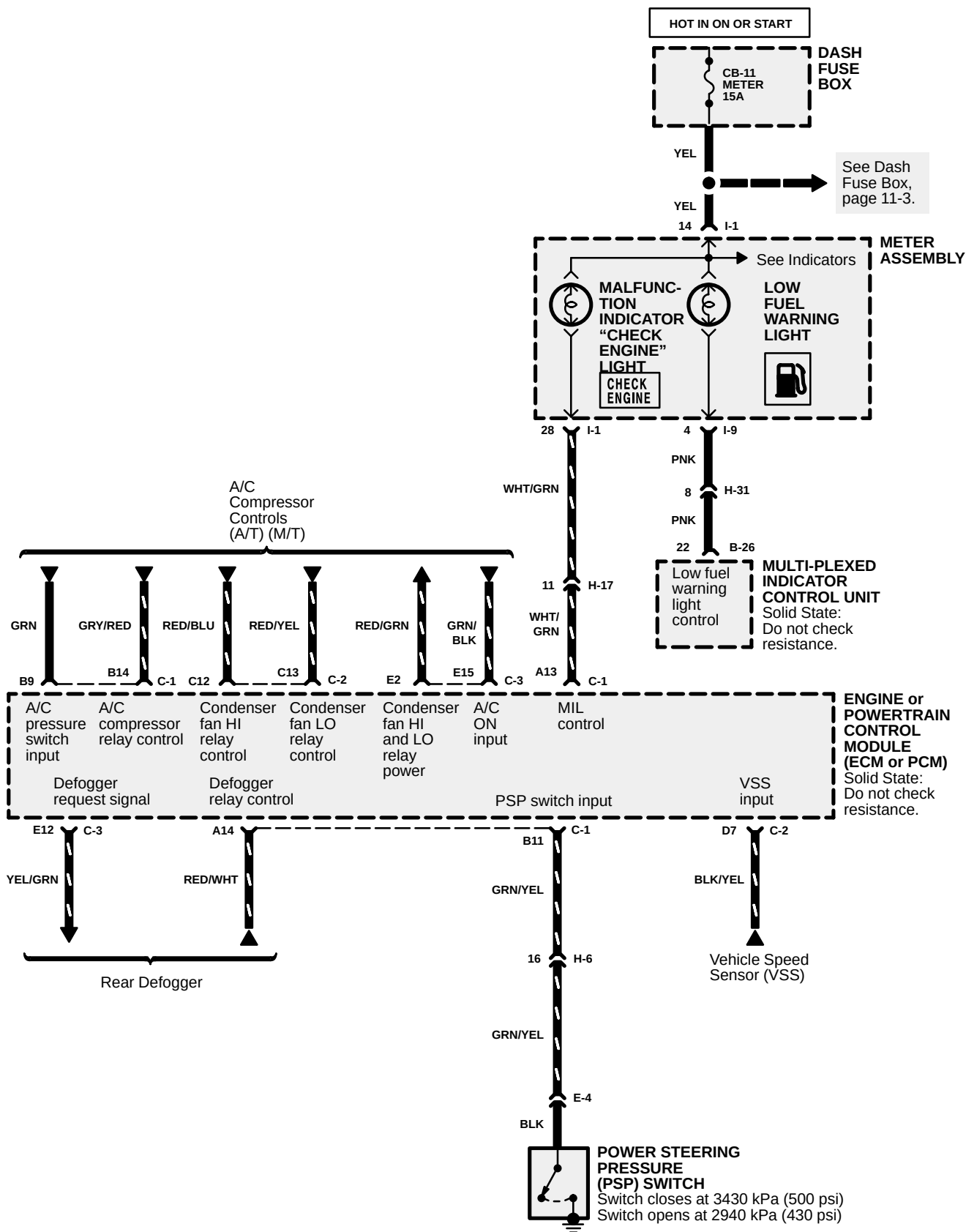
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Circuit Schematic



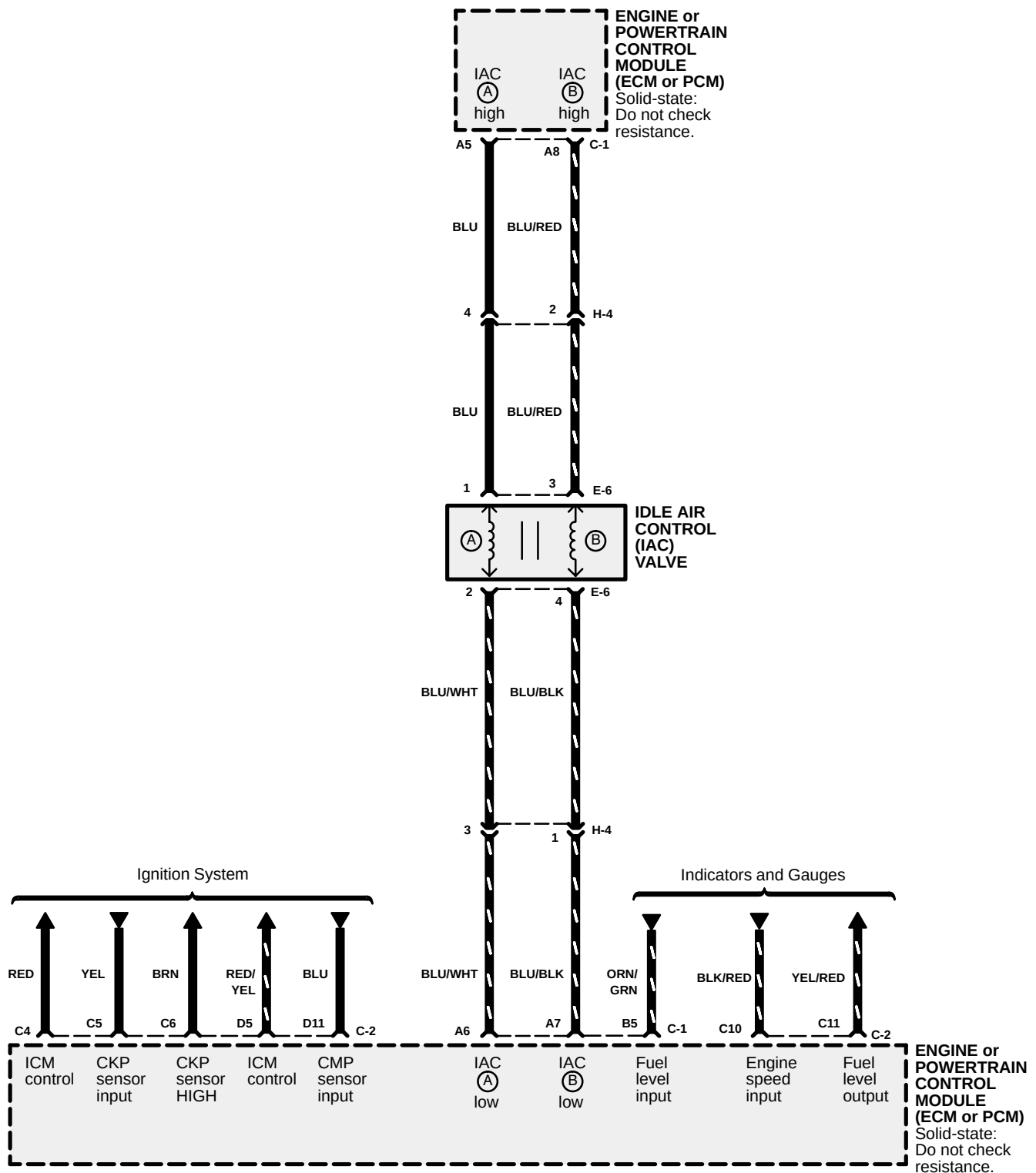
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Circuit Schematic



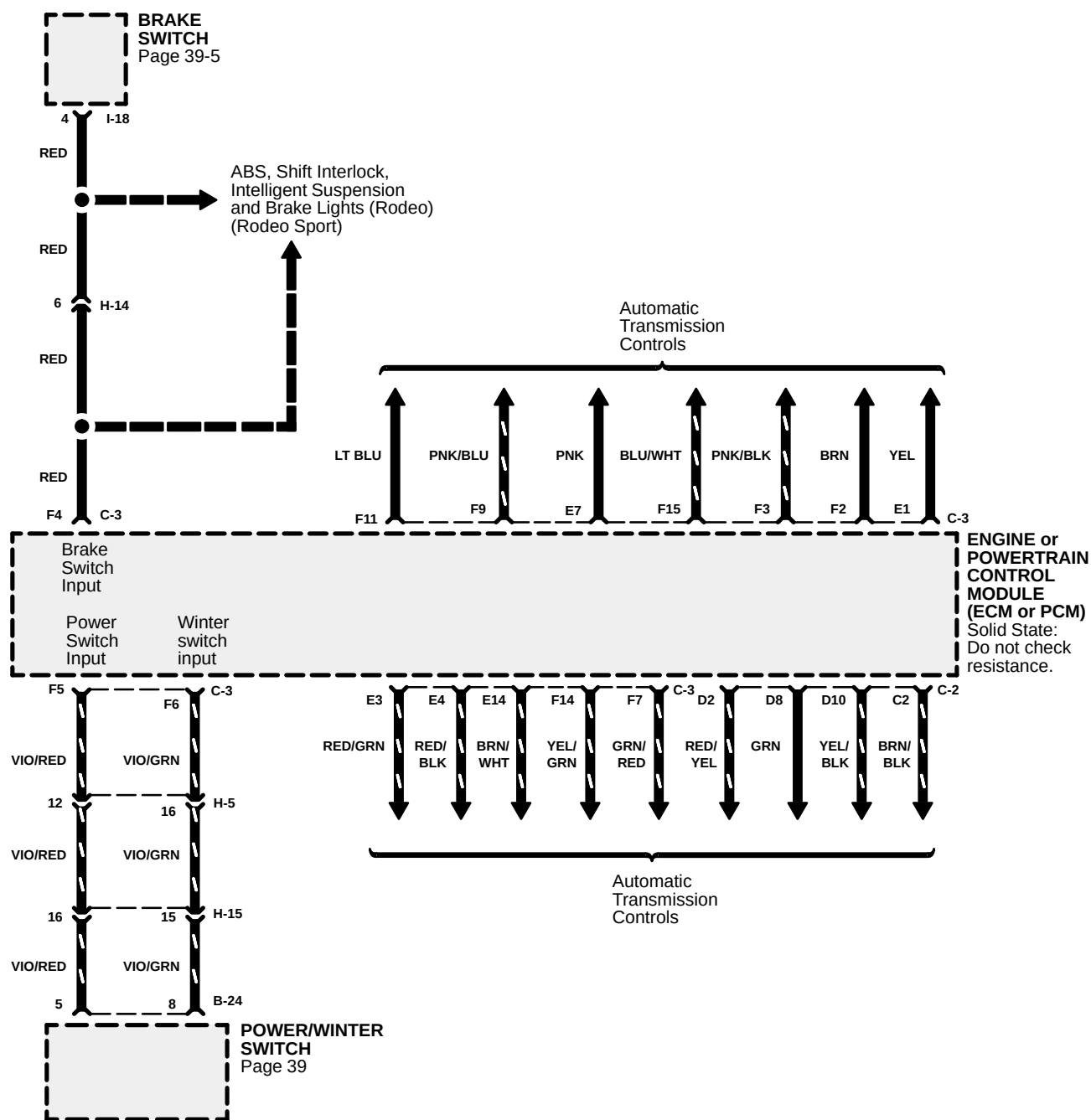
ENGINE CONTROLS: 2.2L

Circuit Schematic



ENGINE CONTROLS: 2.2L

Circuit Schematic



ENGINE CONTROLS: 2.2L

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Alarm and Relay Control Unit ..	Behind right side of I/P, above kick panel 78
Clutch Switch	Behind left side of I/P, on clutch pedal support 65
Dash Fuse Box	Left side of I/P, behind panel 58
Data Link Connector (DLC)	
C-34 (16-BLK)	Below left side of I/P, near engine hood release 61
ECM Main Relay	Right side of engine compartment, in fuse/relay box 16
Engine or Powertrain Control	
Module (ECM or PCM)	Below center of I/P 73
Engine Coolant Temperature	
(ECT) Sensor	Rear of engine, in engine coolant manifold 30
Evaporative Emission (EVAP)	
Canister Cut Valve	Underneath vehicle, above rear axle 116
Evaporative Emission (EVAP)	
Canister Purge Valve	Right rear of engine 34
Exhaust Gas Recirculation	
(EGR) Solenoid Valve	Top center rear of engine 30
Fuel Pump Relay	Right side of engine compartment, in fuse/relay box 15
Fuel Tank Unit	Beneath vehicle, in top of fuel tank
Fuel Vapor Pressure Sensor ..	Top of fuel tank
Fuse/Relay Box	Right side of engine compartment, on inner fender panel 14
Heated Oxygen Sensor	
(HO2S-PRE)	Lower left rear of engine, in exhaust downpipe 32
Heated Oxygen Sensor	
(HO2S-POST)	Beneath center of vehicle, rear of catalytic converter 33
Idle Air Control (IAC) Valve ...	Top right rear of engine 36
Intake Air Temperature (IAT)	
Sensor	Left front of engine compartment, on air flow assembly 10
Knock (KS) Sensor	Right side of engine block, in front of starter
Manifold Absolute Pressure	
(MAP) Sensor	Right side engine, on intake manifold 41
Multi-Plexed Indicator	
Control Unit	Below rear of center console 79
No. 1 Fuel Injector	Top of cylinder 37
No. 2 Fuel Injector	Top of cylinder 37
No. 3 Fuel Injector	Top of cylinder 37
No. 4 Fuel Injector	Top of cylinder 37
Power Steering Pressure	
(PSP) Switch	Lower left front corner of engine compartment 7
Throttle Position (TP)	
Sensor	Top right side of engine, on air intake assembly 36
Connector	
C-37 (22-WHT)	Below center of dash, below ECM 123
E-4 (1-GRY)	Left side of engine compartment 6
E-9 (5-GRY)	Left side of engine compartment, near air cleaner 10
E-14 (2-BLK)	Right front of engine, beside generator 39
F-1 (4-BLK)	Under vehicle, on top of gas tank
H-4 (16-BLK)	Left side of engine compartment, below brake fluid reservoir 11
H-5 (16-GRN)	Left side of engine compartment, below brake fluid reservoir 11

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Component Location Index

(Refer to Section 201 for photographs.)

Connector (cont'd)	Photo No.
H-6 (16-BLU)	Left side of engine compartment, below brake fluid reservoir 11
H-8 (16-BLU)	Lower right rear of engine compartment 18
H-14 (19-BLK)	Below right side of I/P, behind kick panel 82
H-15 (20-BLU)	Behind left kick panel 63
H-16 (22-BLK)	Behind left kick panel 62
H-18 (22-WHT)	Behind right kick panel 80
H-25 (13-WHT)	Under driver's seat, below carpet 72
H-31 (22-WHT)	Behind left kick panel 63
I-1 (30-GRN)	Behind side of I/P, on top of meter assembly 86
I-2 (16-GRN)	Behind side of I/P, on top of meter assembly 86
I-9 (14-GRN)	Behind side of I/P, on top of meter assembly 86
M-13 (4-BLK)	Lower left rear of engine, on transmission 31
M-14 (4-BLK)	Left underside of vehicle, on bracket 33
Ground	
B-8	Below center console 81
C-36	Right side of engine compartment, behind battery 13
E-28	Right rear of engine 34
P-6	Right side of engine compartment, behind battery 13

Circuit Operation

The engine control module (ECM) receives inputs from the engine sensors and switches, controlling the functions of the engine. The engine control module (ECM) also turns on the malfunction indicator "check engine" light when a malfunction or abnormal engine performance is detected, and allows for diagnostic testing through the data link connector (DLC).

Refer to section 6 of the Workshop Manual for further engine diagnosis.