

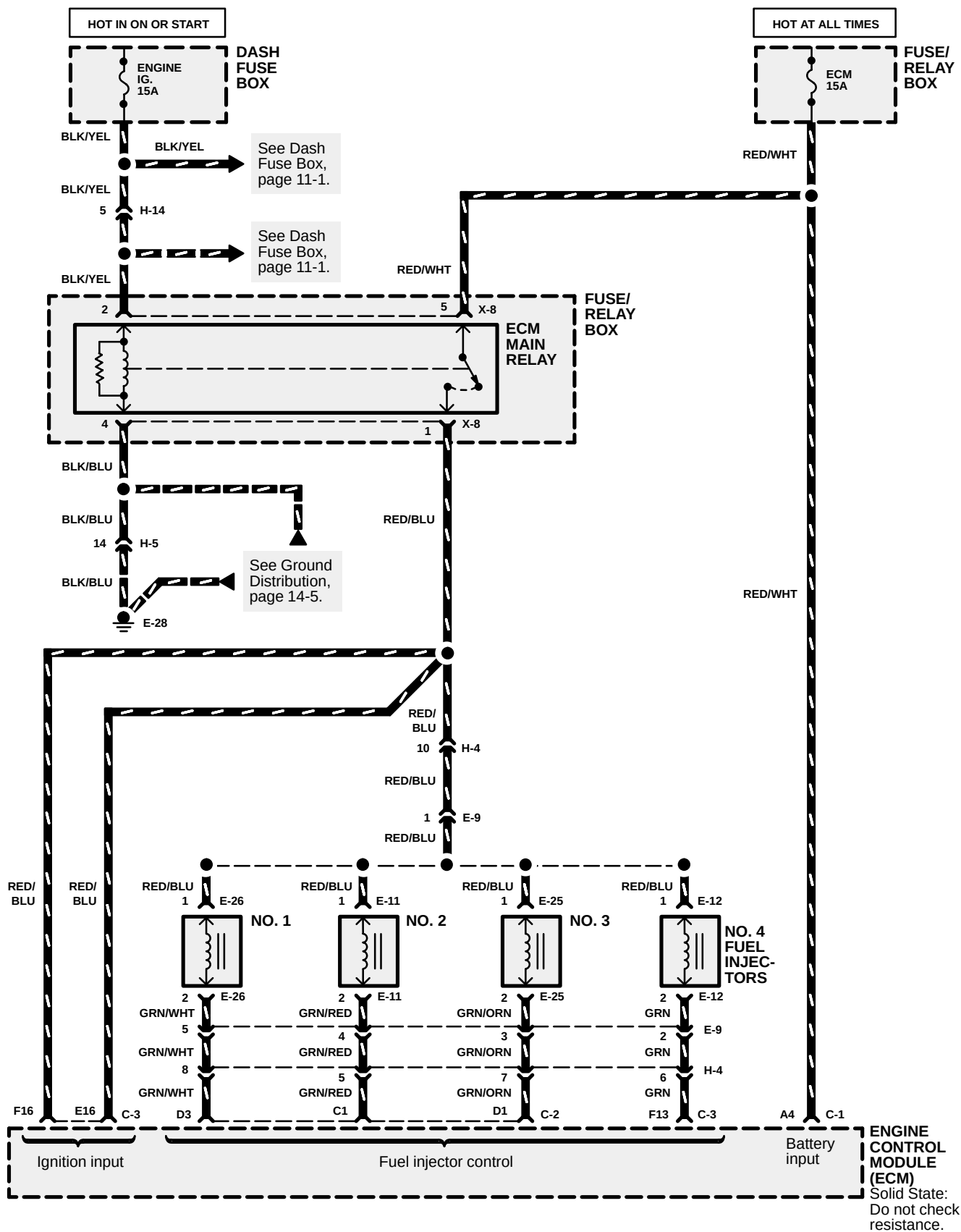
ENGINE CONTROLS: 2.2L

Component Index

Alarm and Relay Control Unit	Fuse/Relay Box
Clutch Switch	Heated Oxygen Sensor (HO2S-PRE)
Dash Fuse Box	Heated Oxygen Sensor (HO2S-POST)
Data Link Connector (DLC)	Idle Air Control (IAC) Valve
C-34 (16-BLK)	Intake Air Temperature (IAT) Sensor
ECM Main Relay	Knock (KS) Sensor
Engine Control Module (ECM)	Manifold Absolute Pressure (MAP) Sensor
Engine Coolant Temperature (ECT) Sensor	No. 1 Fuel Injector
Evaporative Emission (EVAP) Canister Cut Valve	No. 2 Fuel Injector
Evaporative Emission (EVAP) Canister Purge Valve	No. 3 Fuel Injector
Exhaust Gas Recirculation (EGR) Solenoid Valve	No. 4 Fuel Injector
Fuel Pump Relay	Power Steering Pressure (PSP) Switch
Fuel Tank Unit	Throttle Position (TP) Sensor
Fuel Vapor Pressure Sensor	

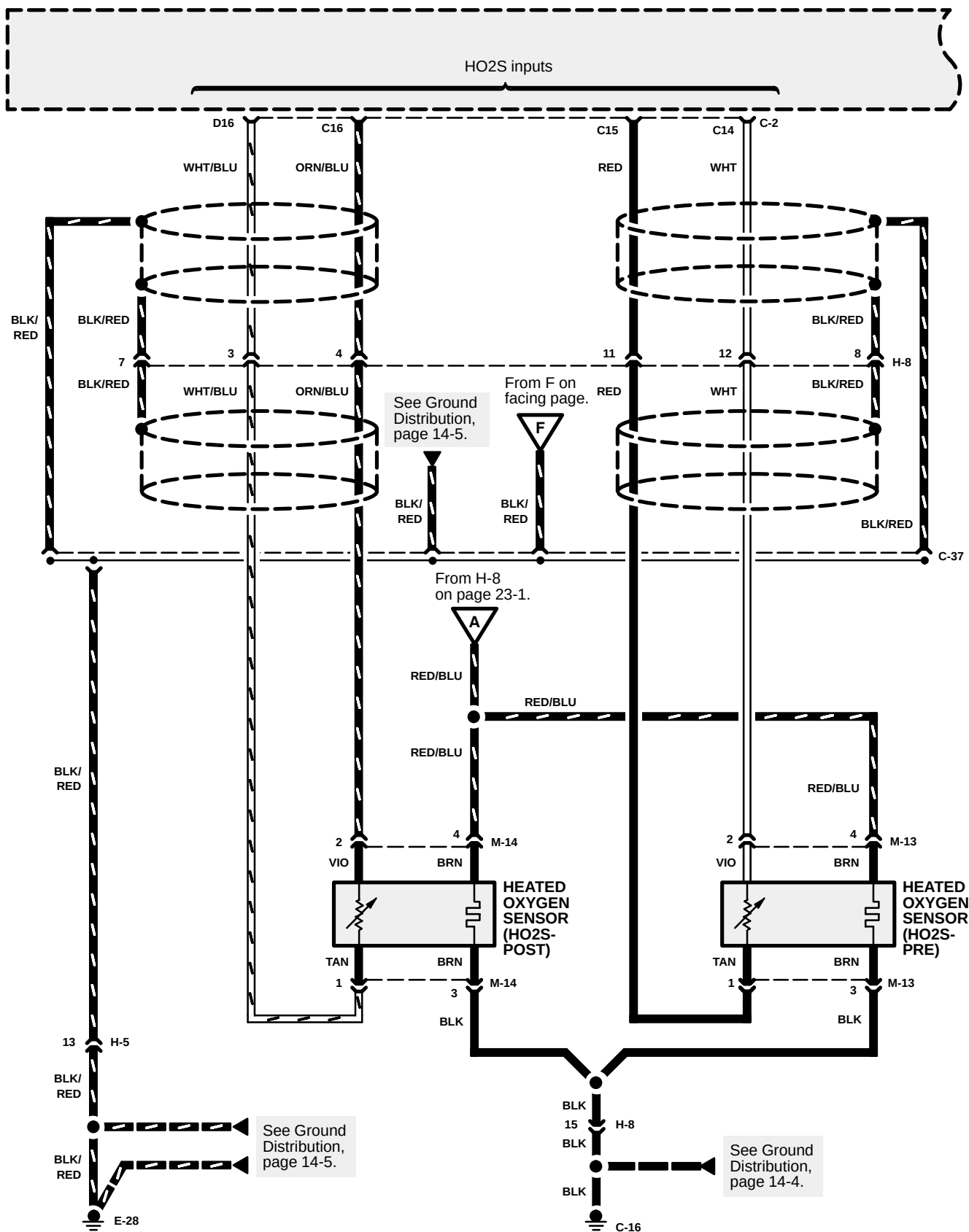
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Circuit Schematic



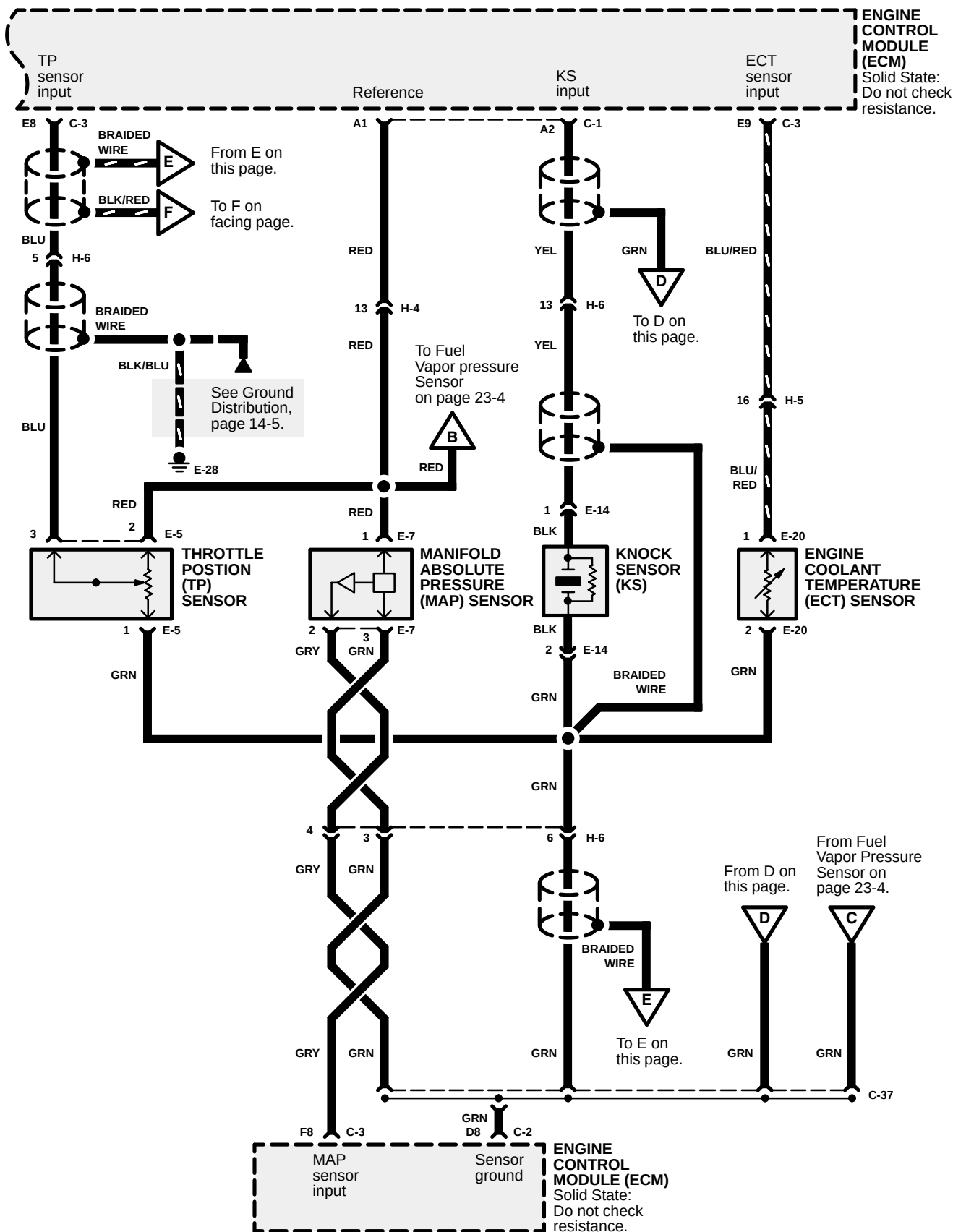
ENGINE CONTROLS: 2.2L

Circuit Schematic



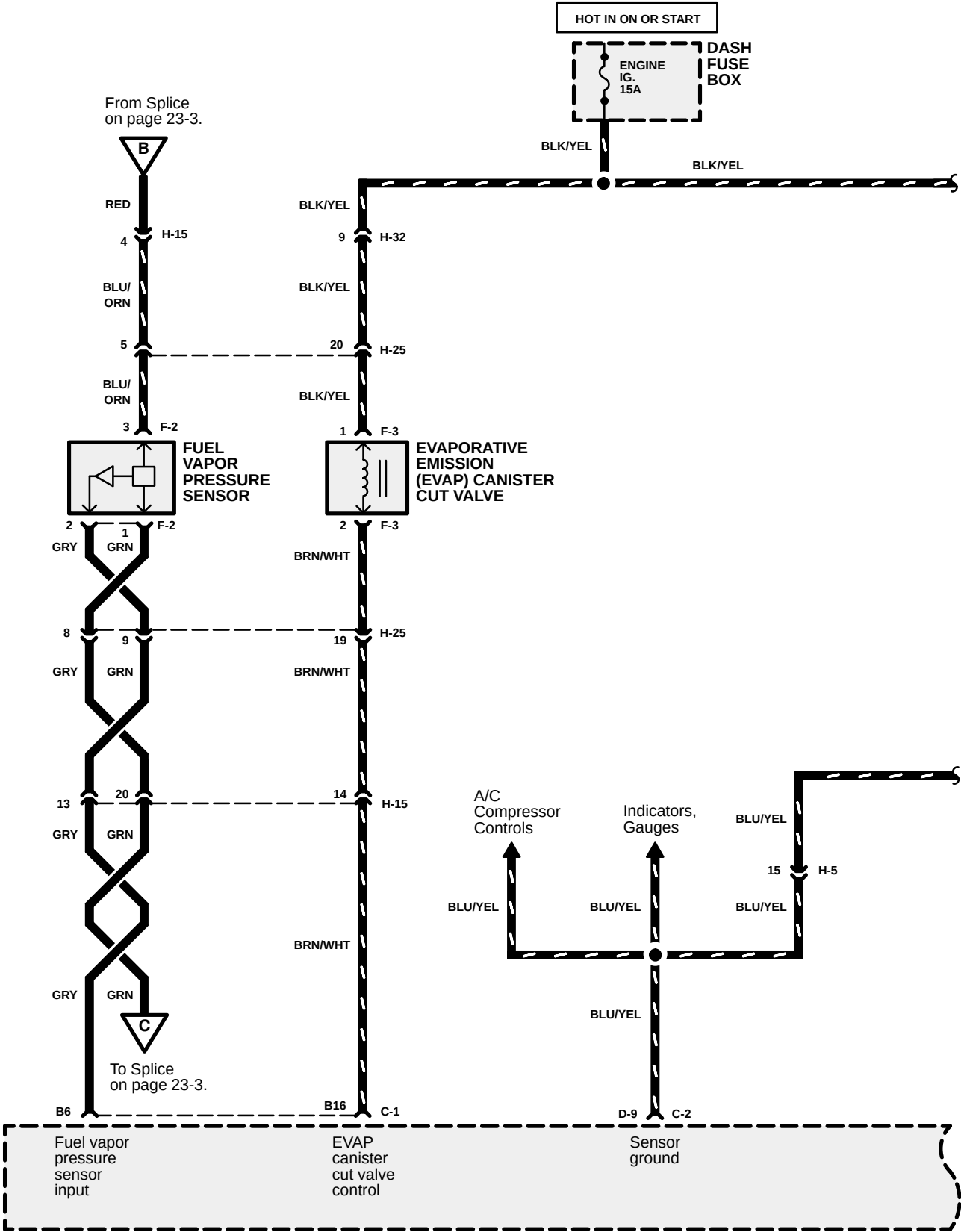
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Circuit Schematic



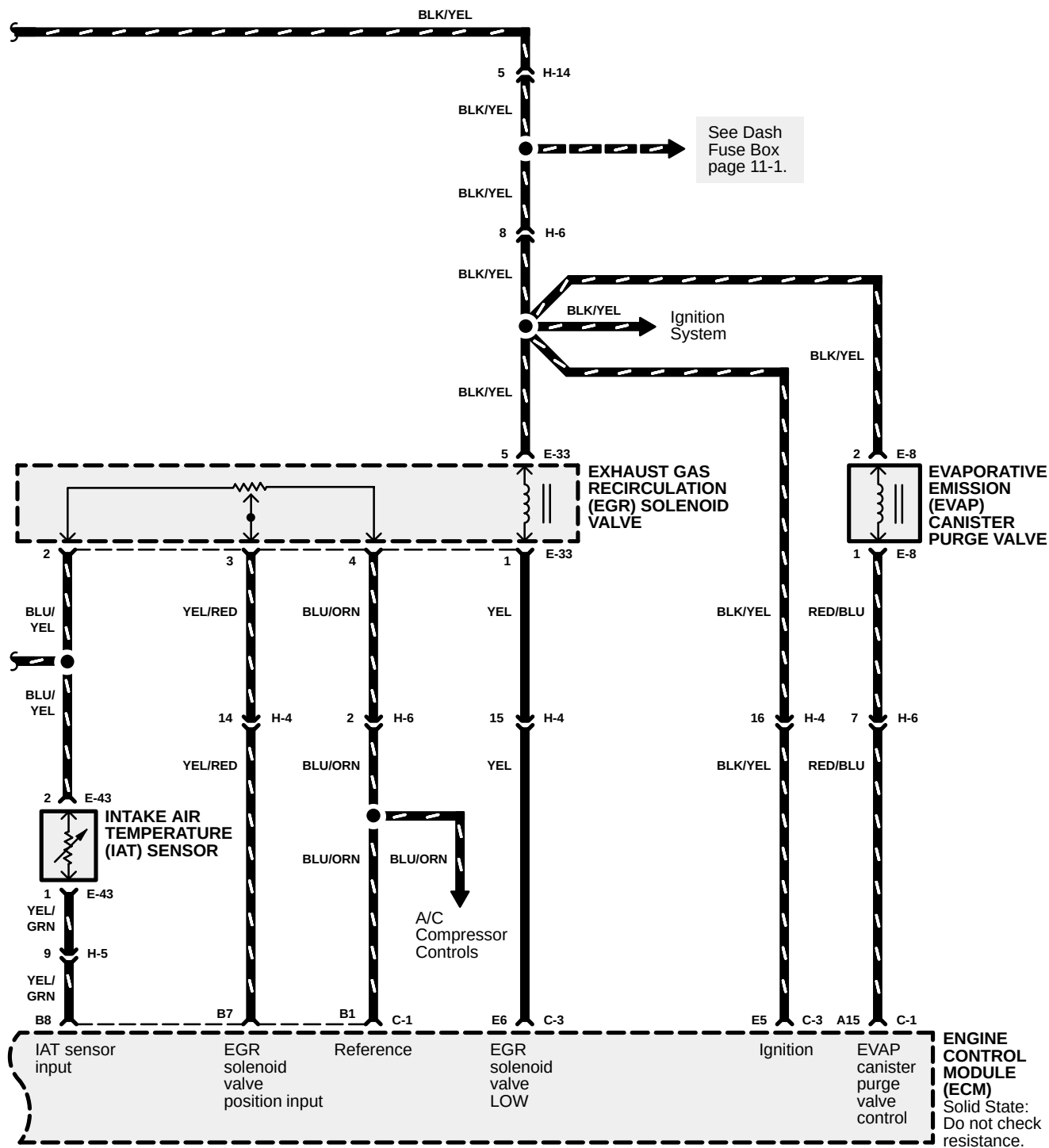
ENGINE CONTROLS: 2.2L

Circuit Schematic



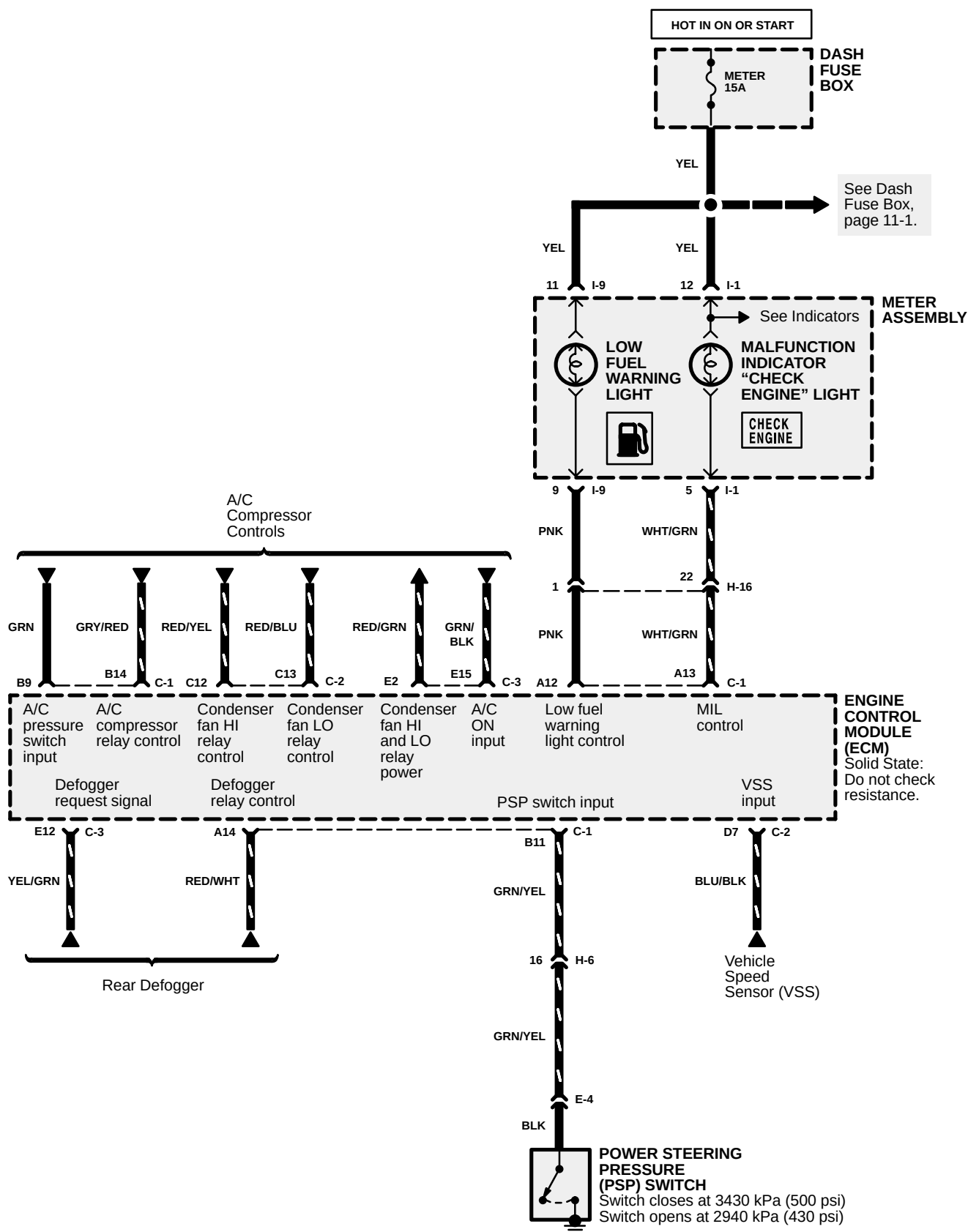
ENGINE CONTROLS: 2.2L

Circuit Schematic

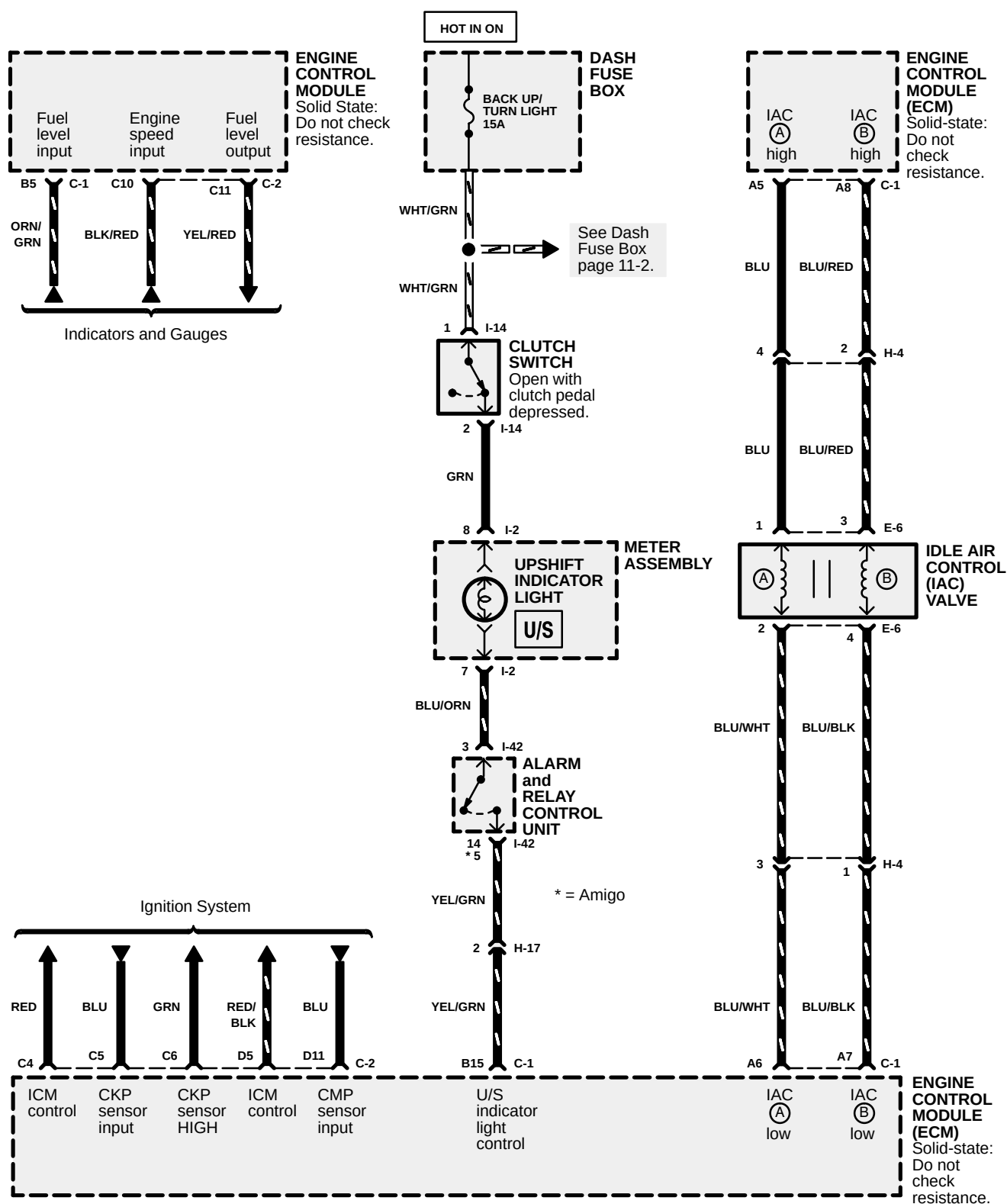


ENGINE CONTROLS: 2.2L

Circuit Schematic



ENGINE CONTROLS: 2.2L



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	21
Engine Control Module		
(ECM)	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	22
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	20
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
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 PCM	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
H-6 (16-BLU)	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-8 (16-BLU)	Lower right rear of engine compartment	18
H-14 (19-BLK)	Below right side of I/P, behind kick panel	75
H-15 (20-BLU)	Behind left kick panel	63
H-16 (22-BLK)	Behind left kick panel	62
H-25 (20-WHT)	Under driver's seat, below carpet	86
H-32 (20-WHT)	Behind left kick panel	62
I-1 (16-WHT)	Behind left side of I/P, on rear of meter assembly	70
I-2 (14-BLK)	Behind left side of I/P, on rear of meter assembly	70
I-9 (12-BLK)	Behind left side of I/P, on rear of meter assembly	70
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-16	Left rear corner of engine compartment, on inner fender panel	14
E-28	Right rear of engine	34

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.