

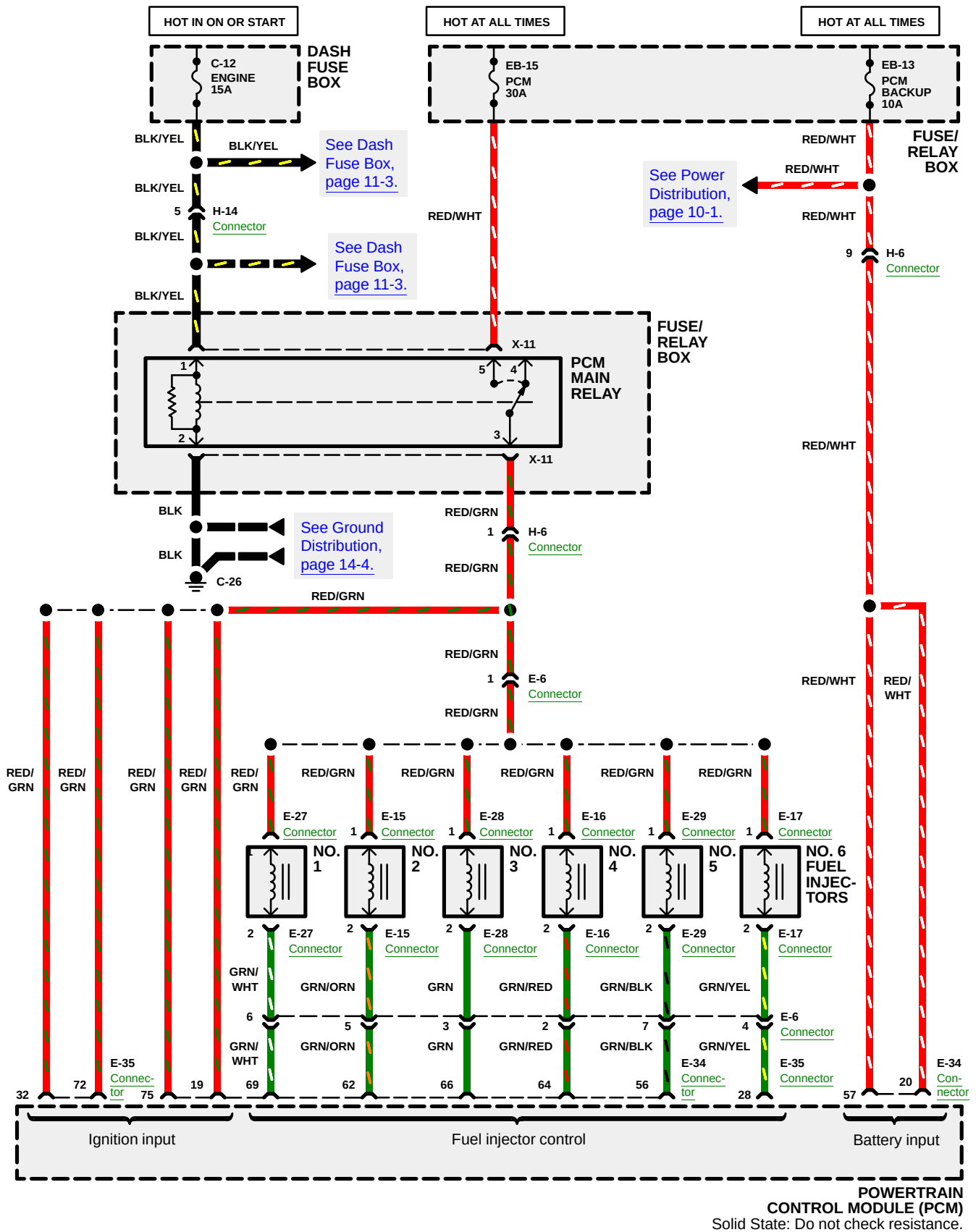
ENGINE CONTROLS

Component Index

Acceleration Position Sensor Assembly	Heated Oxygen Sensor (Bank 1, Sensor 1)
Brake Switch	Heated Oxygen Sensor (Bank 1, Sensor 2)
Crankshaft Position (CKP) Sensor	Heated Oxygen Sensor (Bank 2, Sensor 1)
Dash Fuse Box	Heated Oxygen Sensor (Bank 2, Sensor 2)
Data Link Connector (DLC) C-39 (16-BLK)	Intake Air Temp. (IAT) Sensor
Engine Coolant Temperature (ECT) Sensor	Mass Air Flow (MAF) Sensor
Evaporative Emissions (EVAP) Canister Cut Valve	Meter Assembly
Evaporative Emissions (EVAP) Canister Purge Valve	Manifold Absolute Pressure (MAP) Sensor
Exhaust Gas Recirculation (EGR) Solenoid Valve	PCM Main Relay
Fuel Pump Relay	Power Steering Pressure (PSP) Switch
Fuel Tank Unit	Powertrain Control Module (PCM)
Fuel Vapor Pressure Sensor	Taillamp Relay
Fuse/Relay Box	Throttle Valve Assembly
	Variable Intake Manifold Vacuum Switching Valve

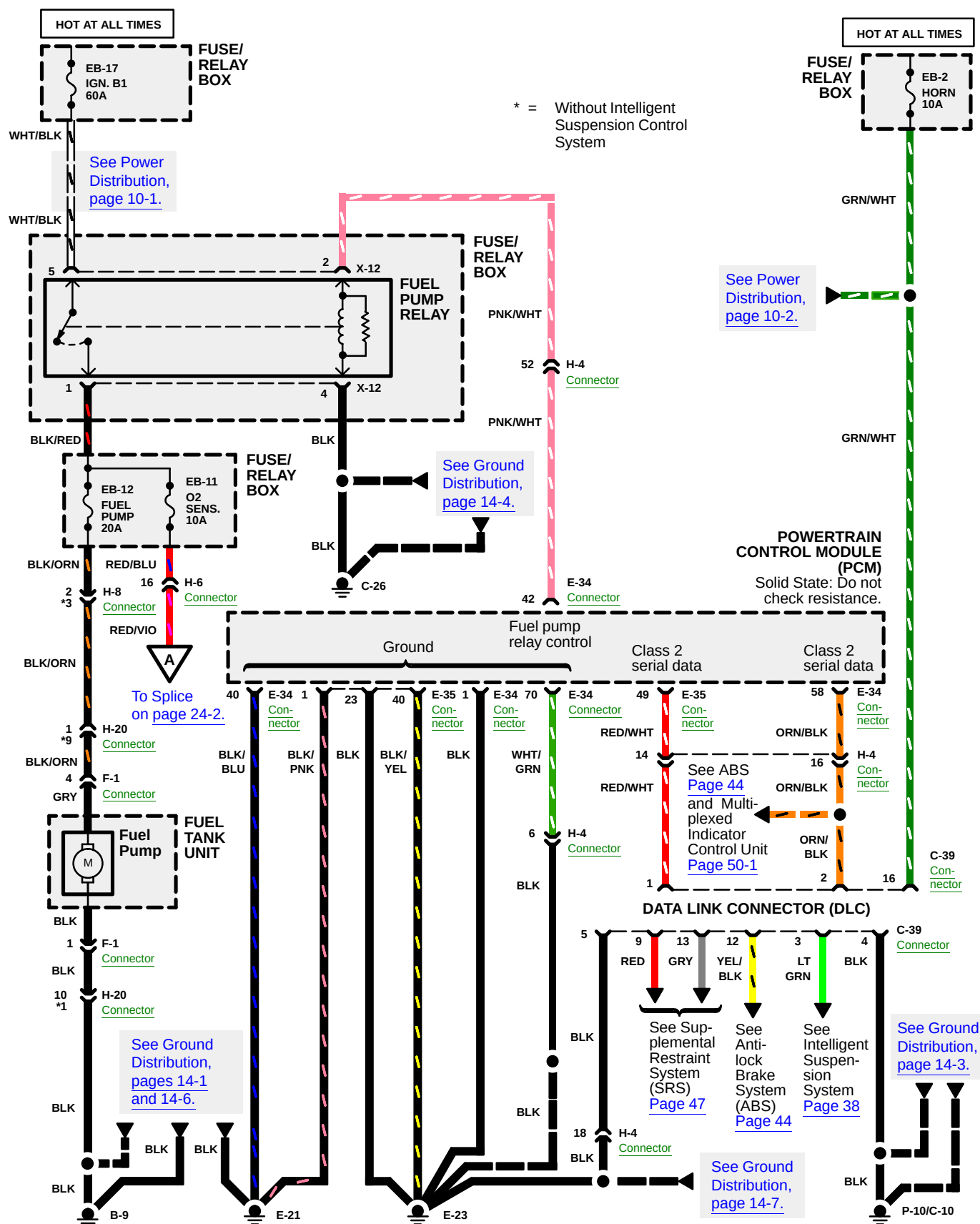
ENGINE CONTROLS

Circuit Schematic



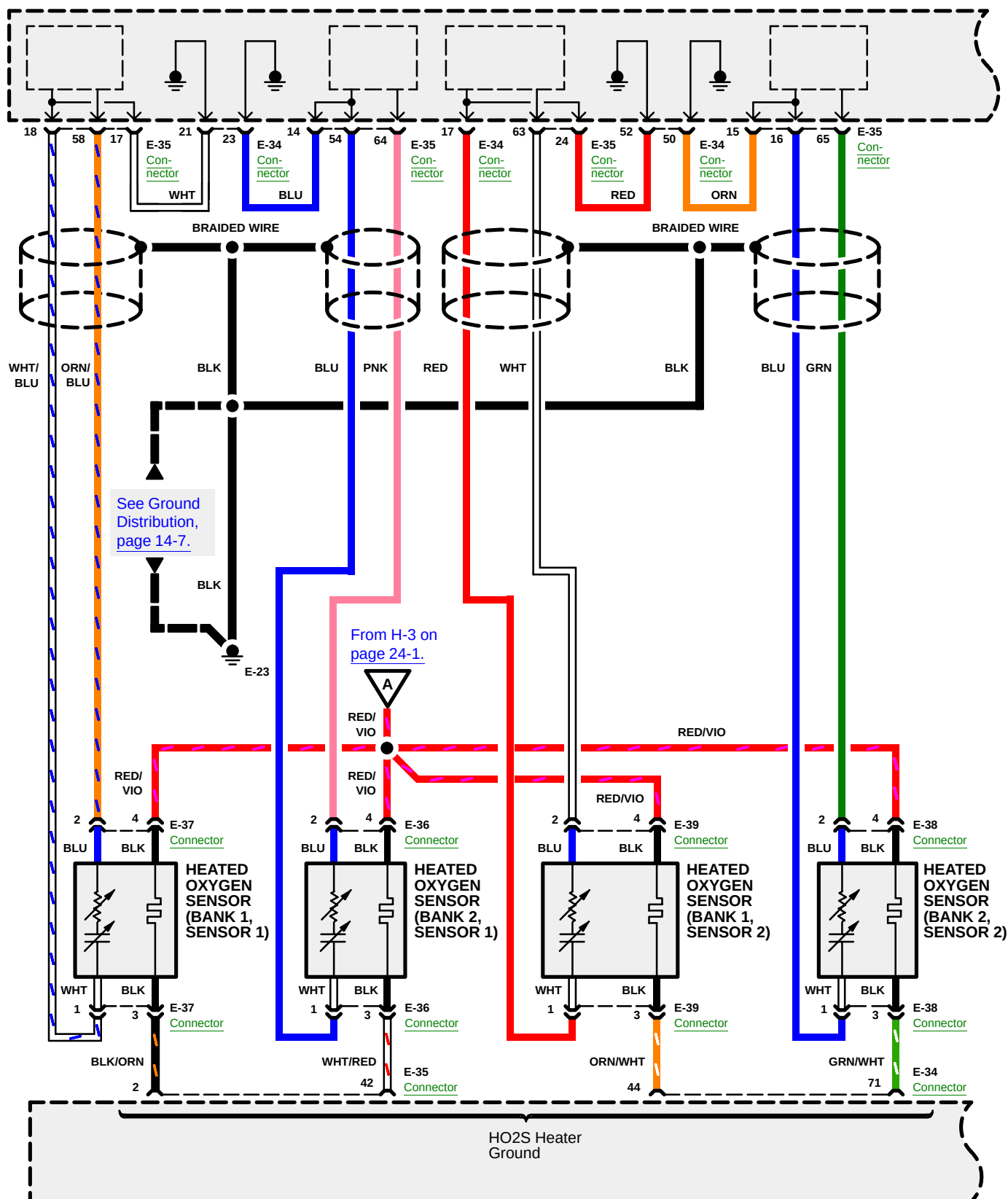
ENGINE CONTROLS

Circuit Schematic



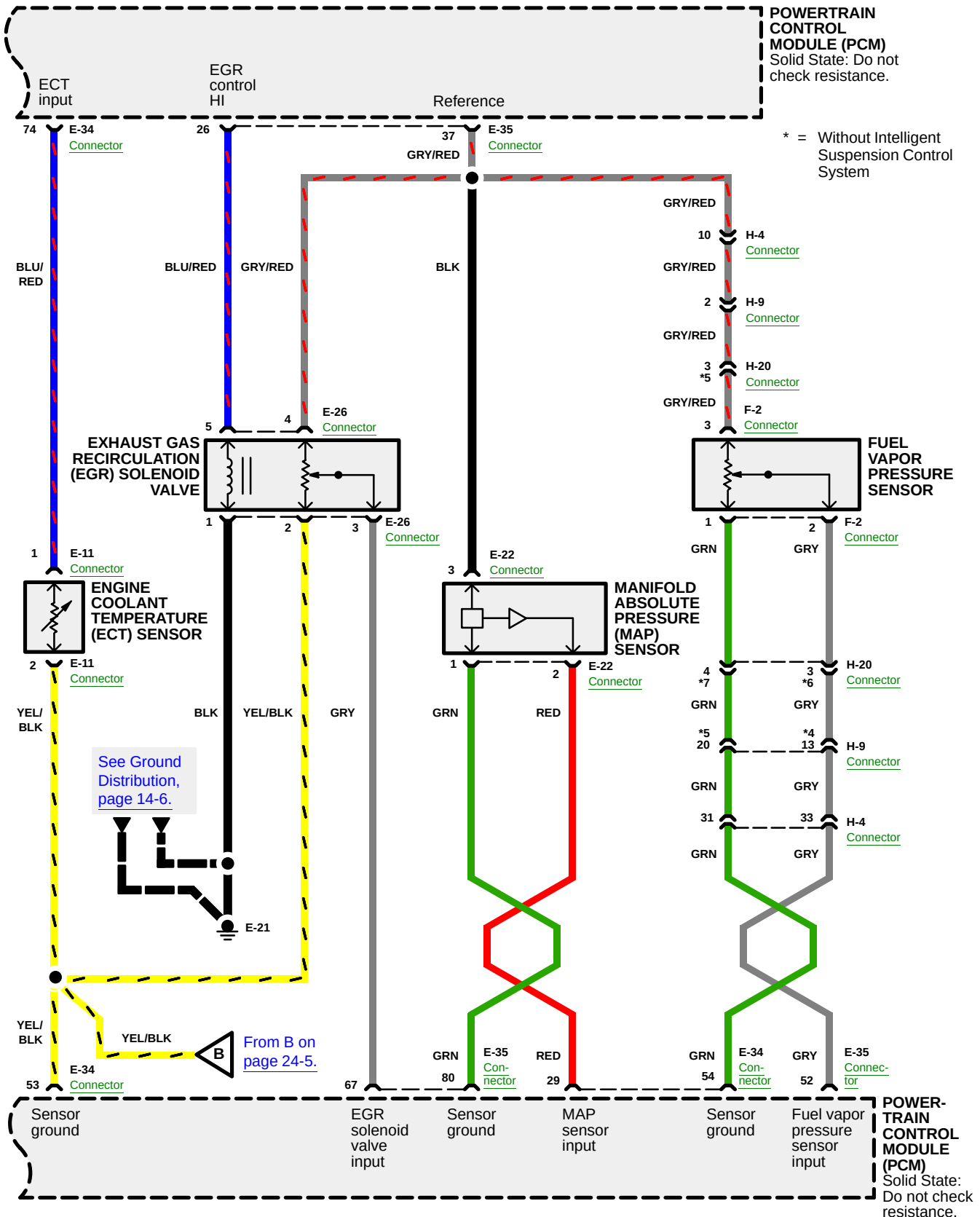
ENGINE CONTROLS

Circuit Schematic



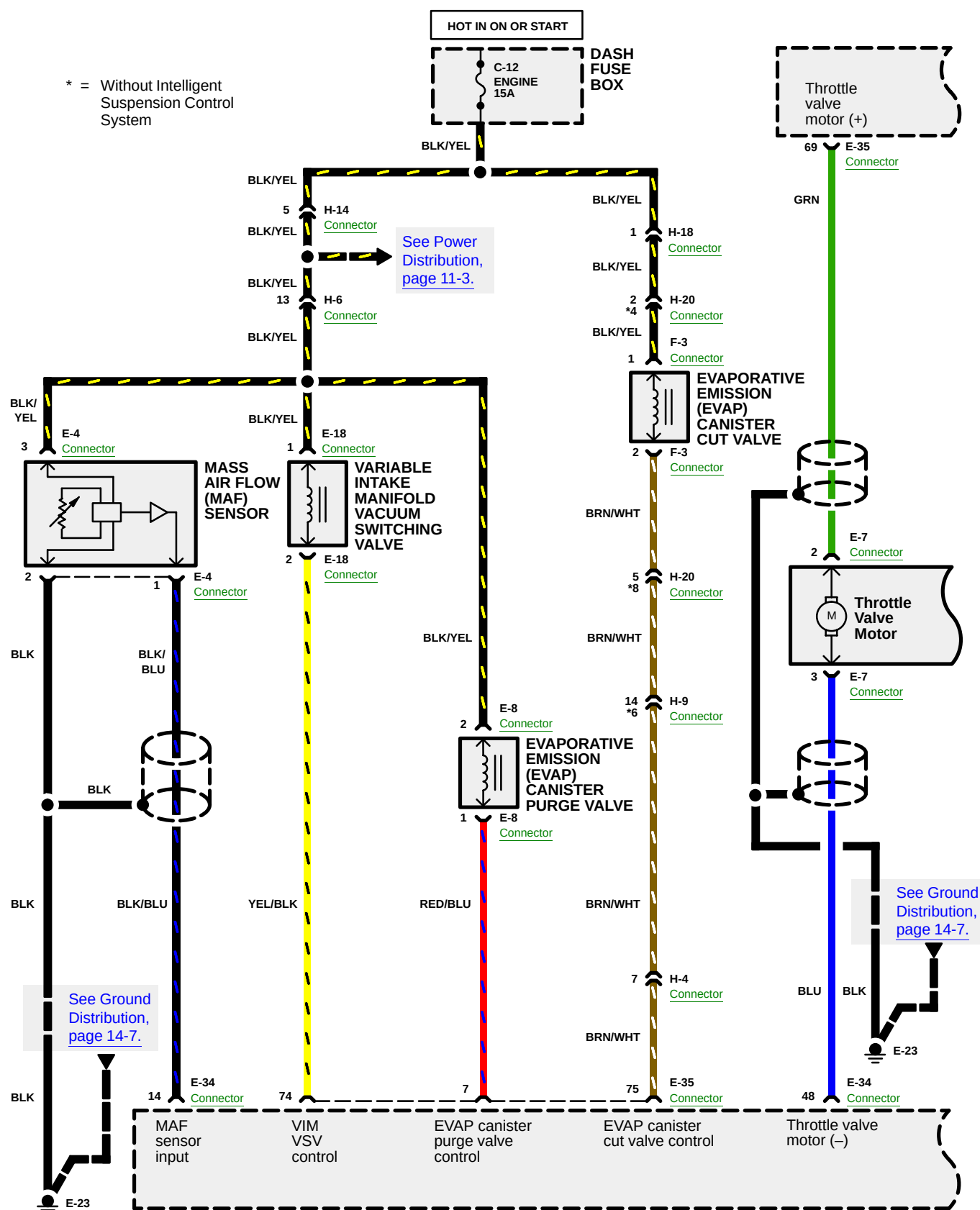
ENGINE CONTROLS

Circuit Schematic



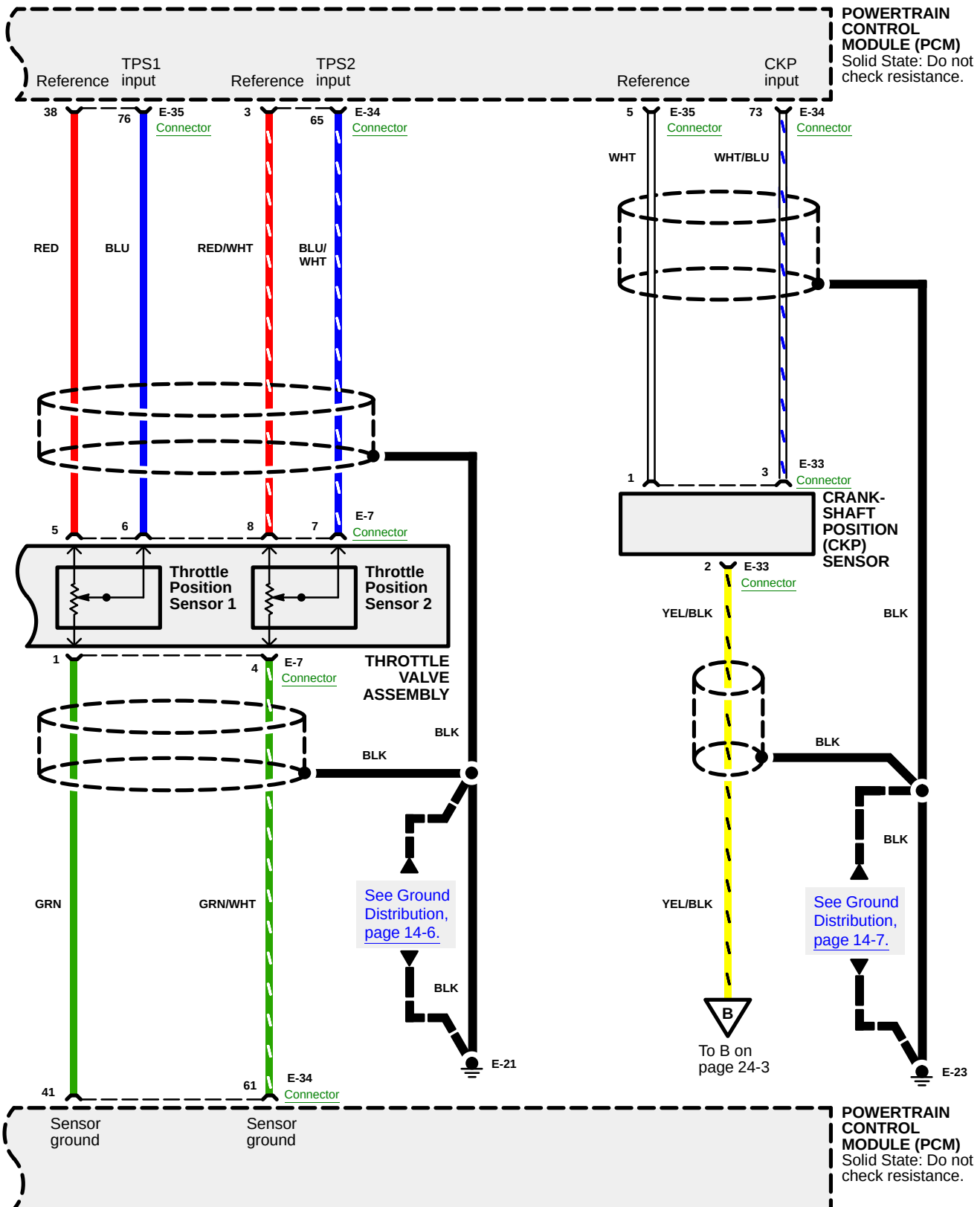
ENGINE CONTROLS

Circuit Schematic



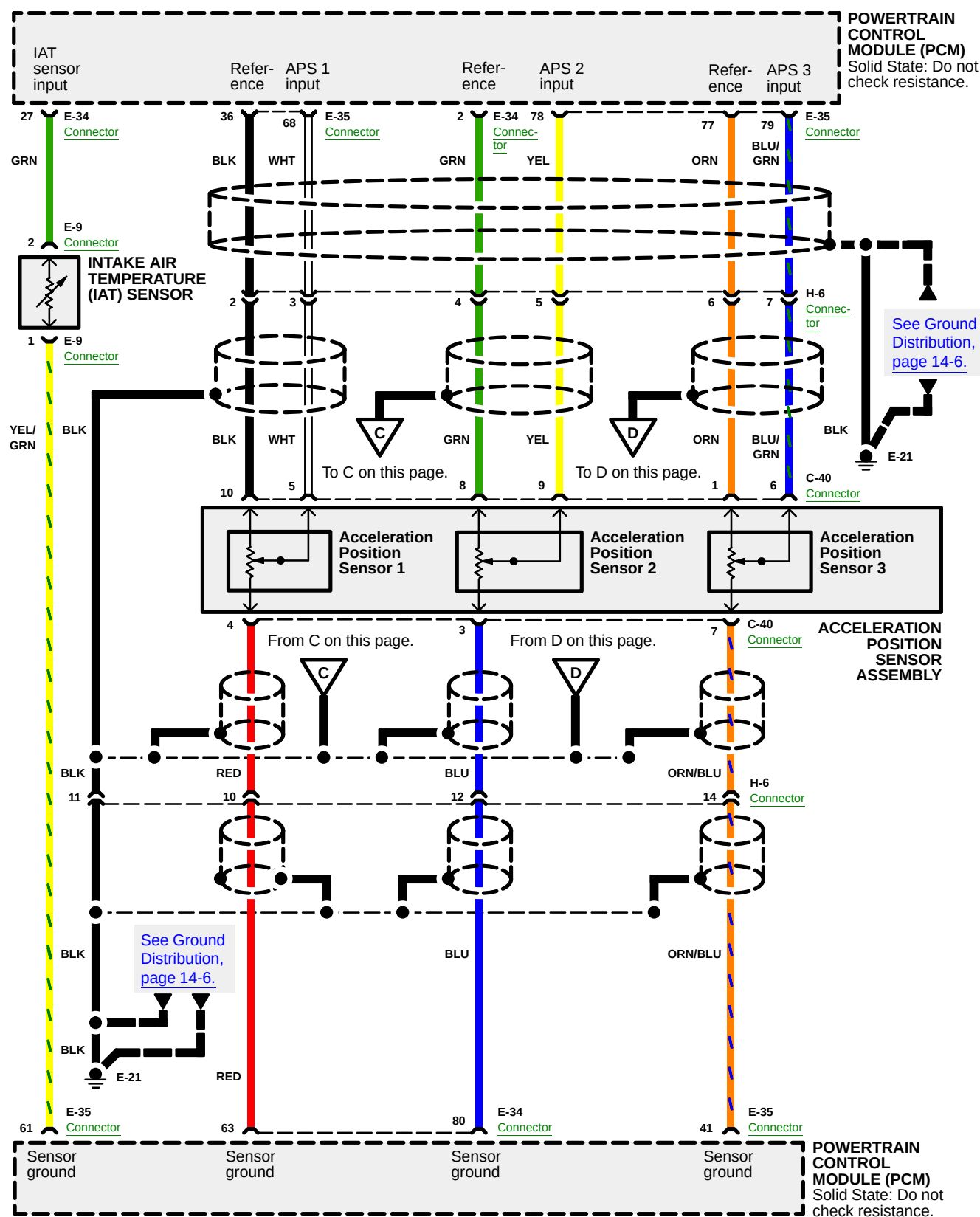
ENGINE CONTROLS

Circuit Schematic



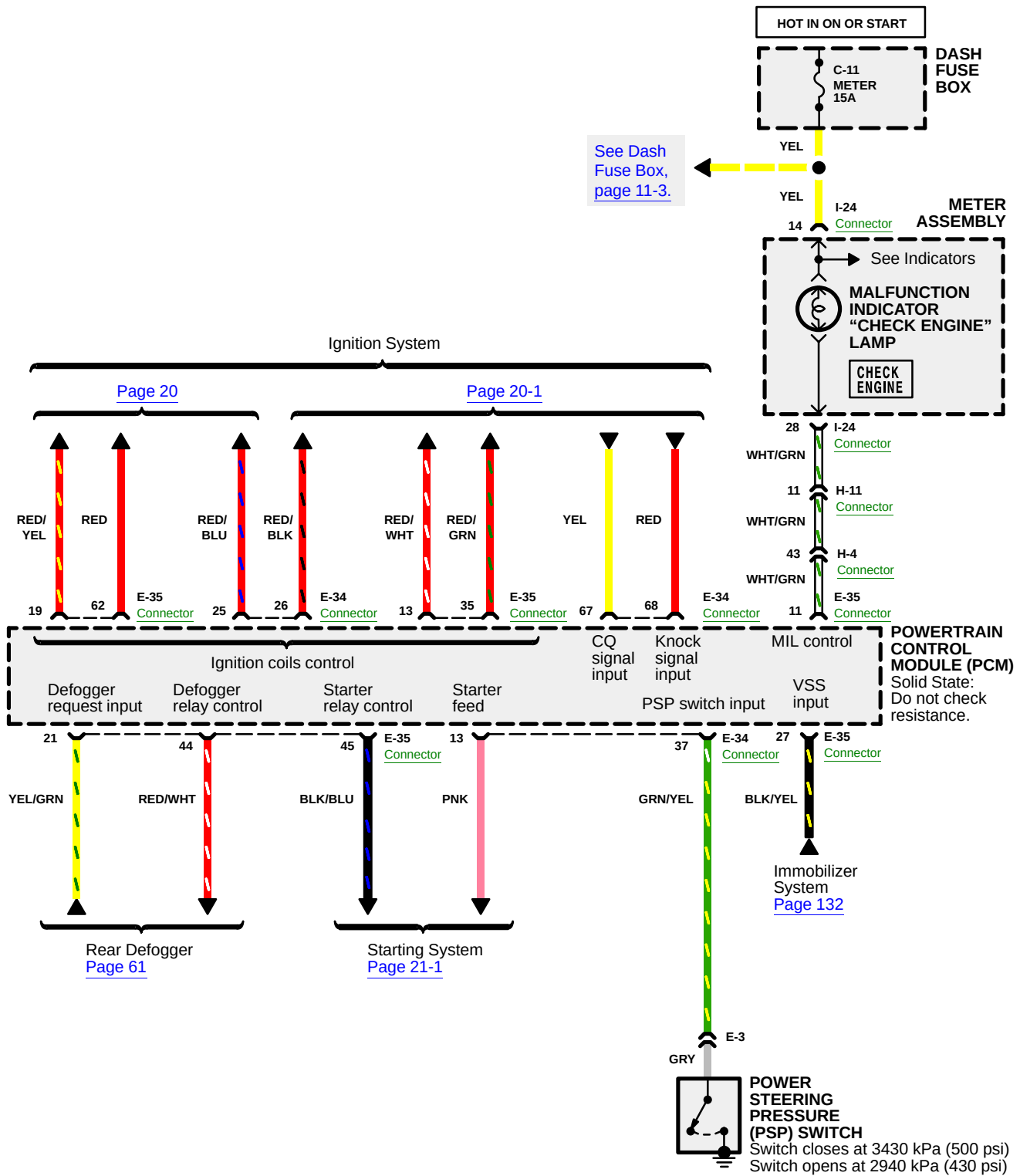
ENGINE CONTROLS

Circuit Schematic



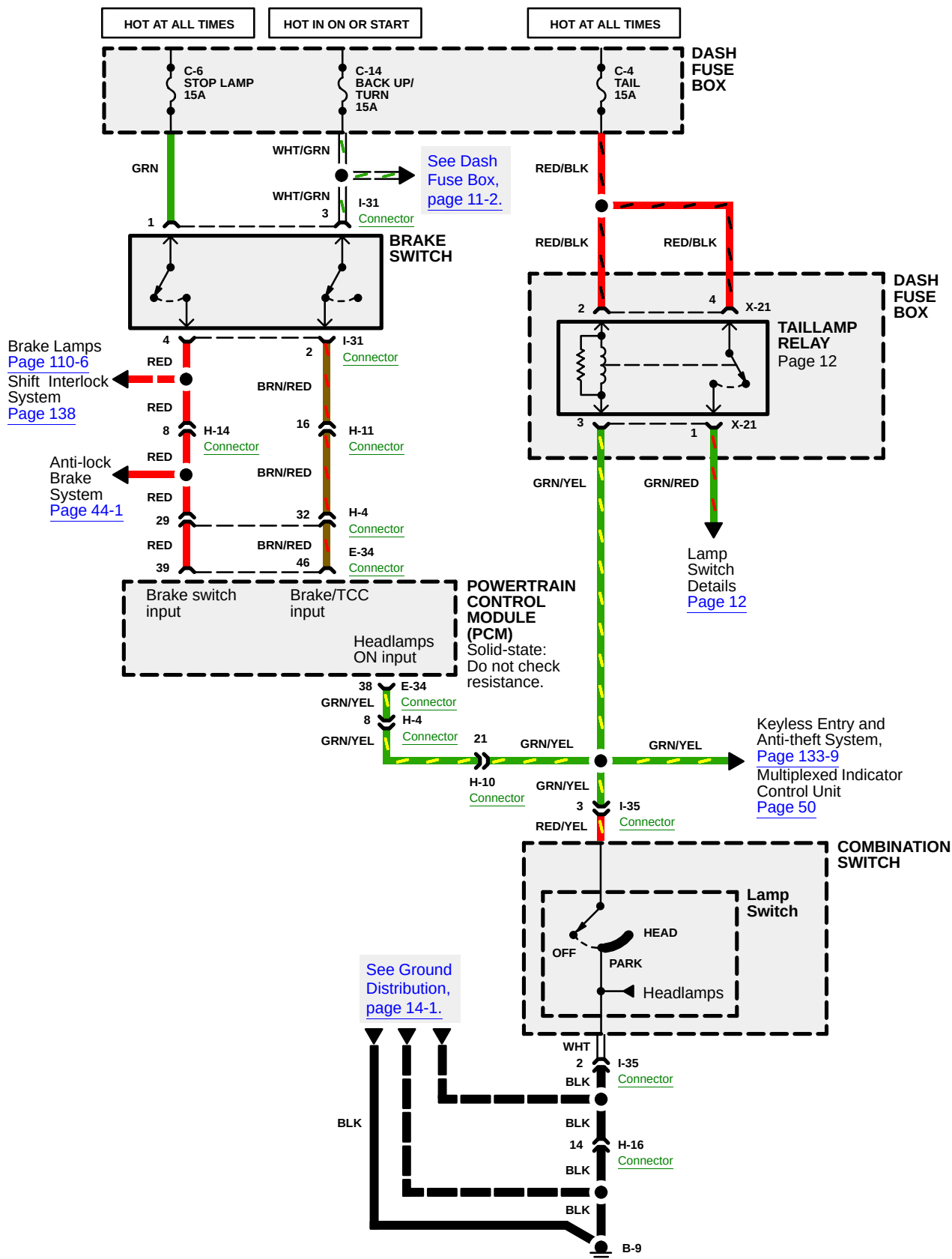
ENGINE CONTROLS

Circuit Schematic



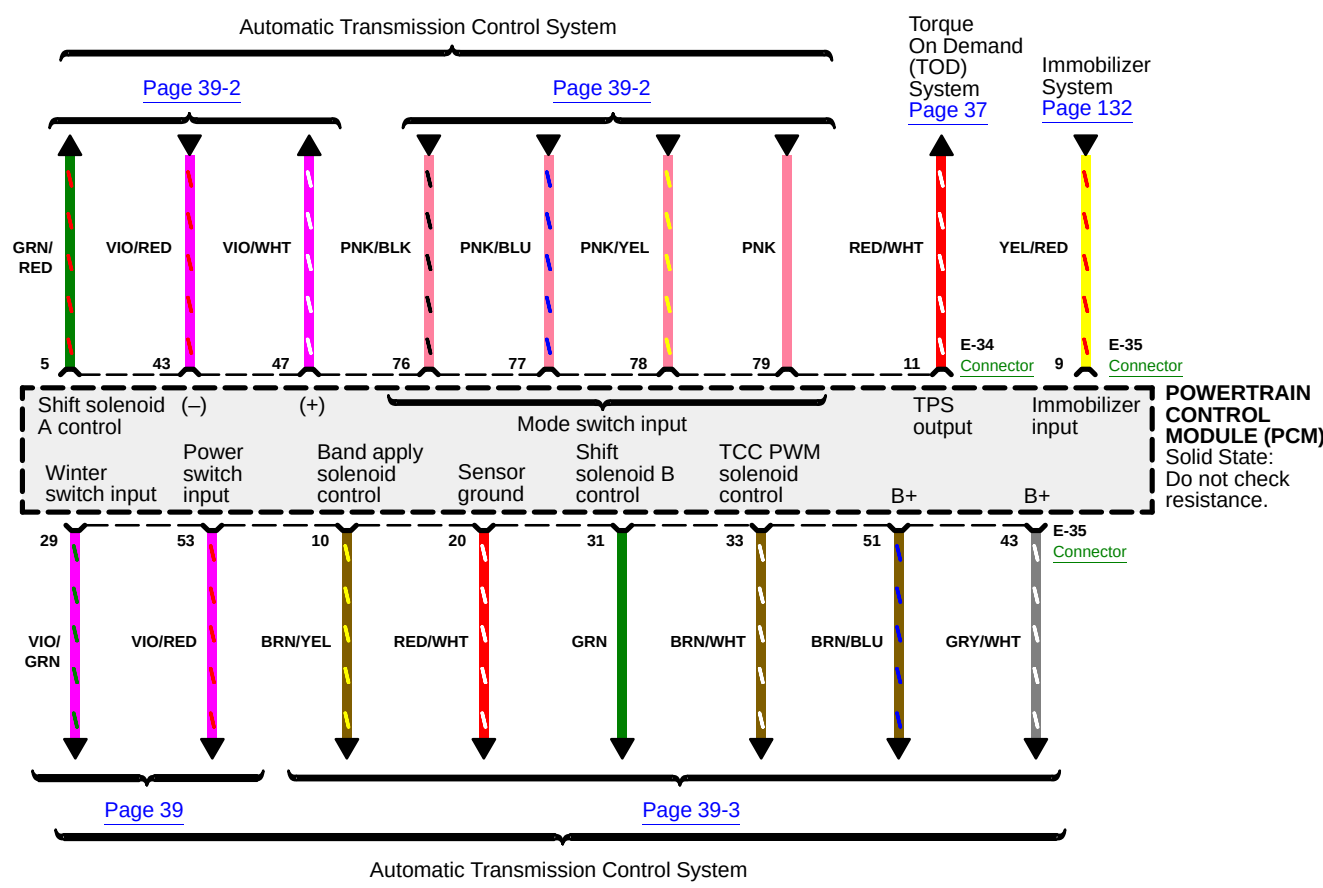
ENGINE CONTROLS

Circuit Schematic



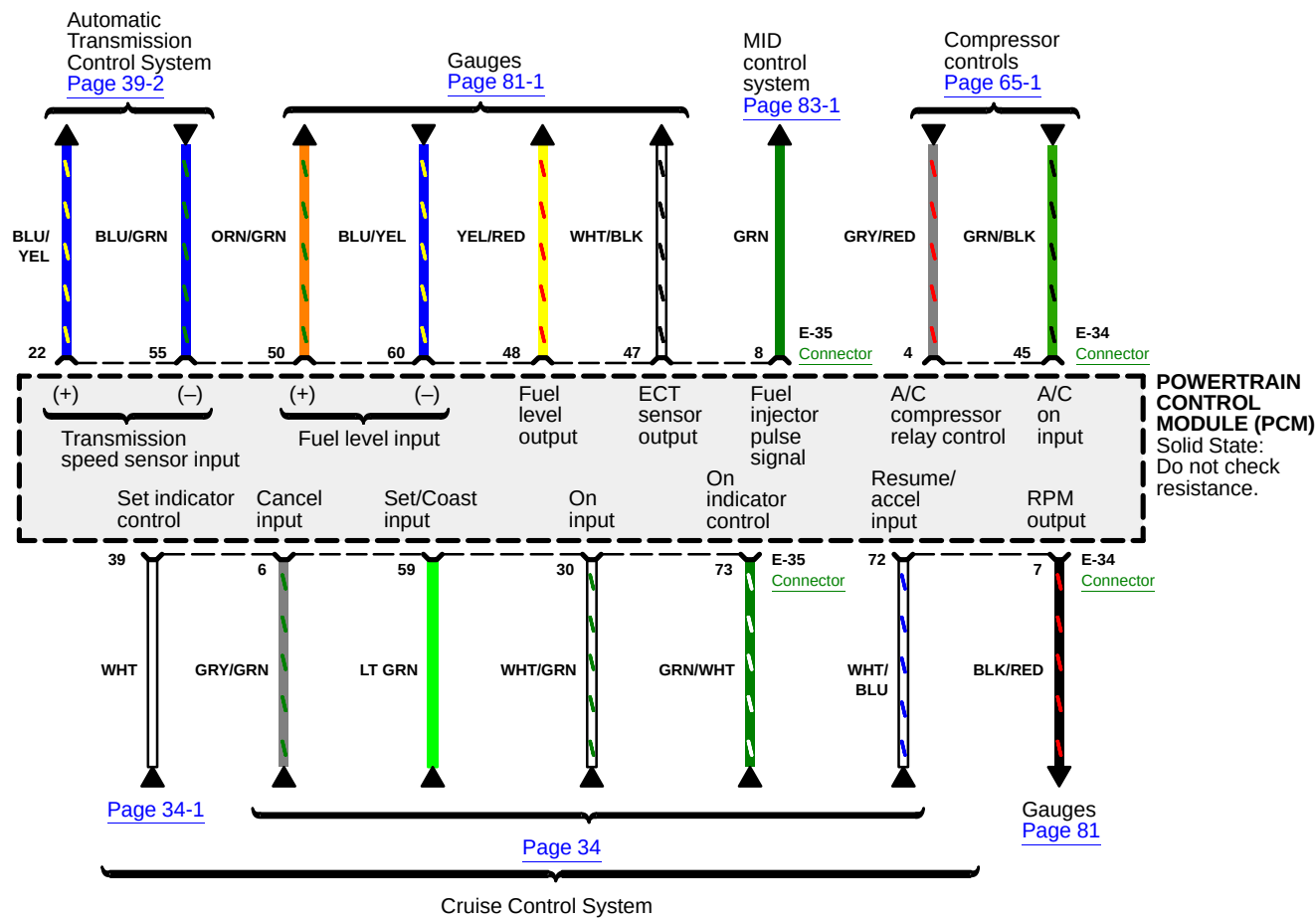
ENGINE CONTROLS

Circuit Schematic



ENGINE CONTROLS

Circuit Schematic



ENGINE CONTROLS

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Acceleration Position	
Sensor Assembly	Below left side of I/P 50
Brake Switch	Below left side of I/P 51
Crankshaft Position	
(CKP) Sensor	Bottom right side of engine 40
Dash Fuse Box	Behind left I/P side trim panel 42
Data Link Connector (DLC)	
C-39 (16-BLK)	Below left side of I/P, near engine hood release 45
Engine Coolant Temperature	
(ECT) Sensor	Left front of engine 32
Evaporative Emissions (EVAP)	
Canister Cut Valve	Rear underside of vehicle 114
Evaporative Emissions (EVAP)	
Canister Purge Valve	Top front of engine 17
Exhaust Gas Recirculation	
(EGR) Solenoid Valve	Right side of engine 19
Fuel Injectors Nos. 1, 3 and 5	Right side of engine 20
Fuel Injectors Nos. 2, 4 and 6	Left side of engine 23
Fuel Pump Relay	In the fuse & relay box 13
Fuel Tank Unit	On the top of the fuel tank
Fuel Vapor Pressure Sensor	On the top of the fuel tank
Fuse/Relay Box	Right side of engine compartment 8
Heated Oxygen Sensor	
(Bank 1, Sensor 1)	Right front of exhaust down pipe 105
Heated Oxygen Sensor	
(Bank 1, Sensor 2)	Rear of right catalytic converter 106
Heated Oxygen Sensor	
(Bank 2, Sensor 1)	Left of front of exhaust down pipe 103
Heated Oxygen Sensor	
(Bank 2, Sensor 2)	Rear of left catalytic converter 104
Intake Air Temp. (IAT) Sensor	Left front of engine 27
Mass Air Flow (MAF) Sensor	Left front of engine 28
Meter Assembly	Left side of I/P 55
Manifold Absolute Pressure	
(MAP) Sensor	Top rear of engine 18
PCM Main Relay	In the fuse & relay box 12
Power Steering Pressure	
(PSP) Switch	Under left side of engine 38
Powertrain Control Module	
(PCM)	Left side of engine compartment 26
Taillamp Relay	In the dash fuse box 44
Throttle Valve Assembly	Top front of engine 17
Variable Intake Manifold	
Vacuum Switching Valve	Left side of engine 24

ENGINE CONTROLS

Component Location Index

(Refer to Section 201 for photographs.)

Connector		Photo No.
C-40 (10-BLK)	Below left side of I/P	50
E-6 (7-GRY)	Left front of engine	27
E-7 (8-BLK)	Top front of engine	17
E-11 (2-BLK)	Left front of engine	32
E-22 (3-GRY)	Top rear of engine	18
E-26 (5-GRY)	Right side of engine	19
E-33 (3-GRY)	Bottom right side of engine	40
E-36 (4-BLK)	Left front exhaust down pipe	103
E-37 (2WD) (4-BLK)	Right front exhaust down pipe	105
E-37 (4WD) (4-BLK)	Top of transfer case	98
E-38 (2WD) (4-BLK)	Left rear of transmission	107
E-38 (4WD) (4-BLK)	Rear of left catalytic converter	104
E-39 (2WD) (4-BLK)	Rear of right catalytic converter	106
E-39 (4WD) (4-BLK)	Right rear of transfer case	109
F-1 (4-BLK)	Top of fuel tank	
F-2 (3-BLK)	Top of fuel tank	
H-4 (52-GRY)	Left side of engine compartment	31
H-6 (16-BLK)	Left side of engine compartment	31
H-9 (20-BLU)	Behind left kick panel	47
H-10 (22-BLK)	Behind left kick panel	46
H-11 (19-BLK)	Behind left kick panel	46
H-14 (19-BLK)	Behind right kick panel	62
H-16 (16-WHT)	Behind left kick panel	46
H-17 (12-WHT)	Behind right kick panel	61
H-19 (22-WHT)	Below driver's seat	56
H-20 (10-WHT)	Below driver's seat	56
I-24 (30-GRN)	Top of meter assembly	54
I-35 (13-BLK)	Under left side of I/P	49
Ground		
B-9	Under center console	71
C-10	At the rear of the battery tray, right side of engine compartment	15
C-26	Left side of engine compartment	25
E-21	Left side of engine	24
E-23	Right side of engine	19
P-10	Right side of engine compartment	15

Circuit Operation

The powertrain control module (PCM) receives inputs from the engine sensors and switches, controlling the functions of the engine. It also turns on the malfunction indicator "check engine" lamp whenever a malfunction or abnormal engine performance is detected, and al-

lows for diagnostic testing through the data link connector (DLC).

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