

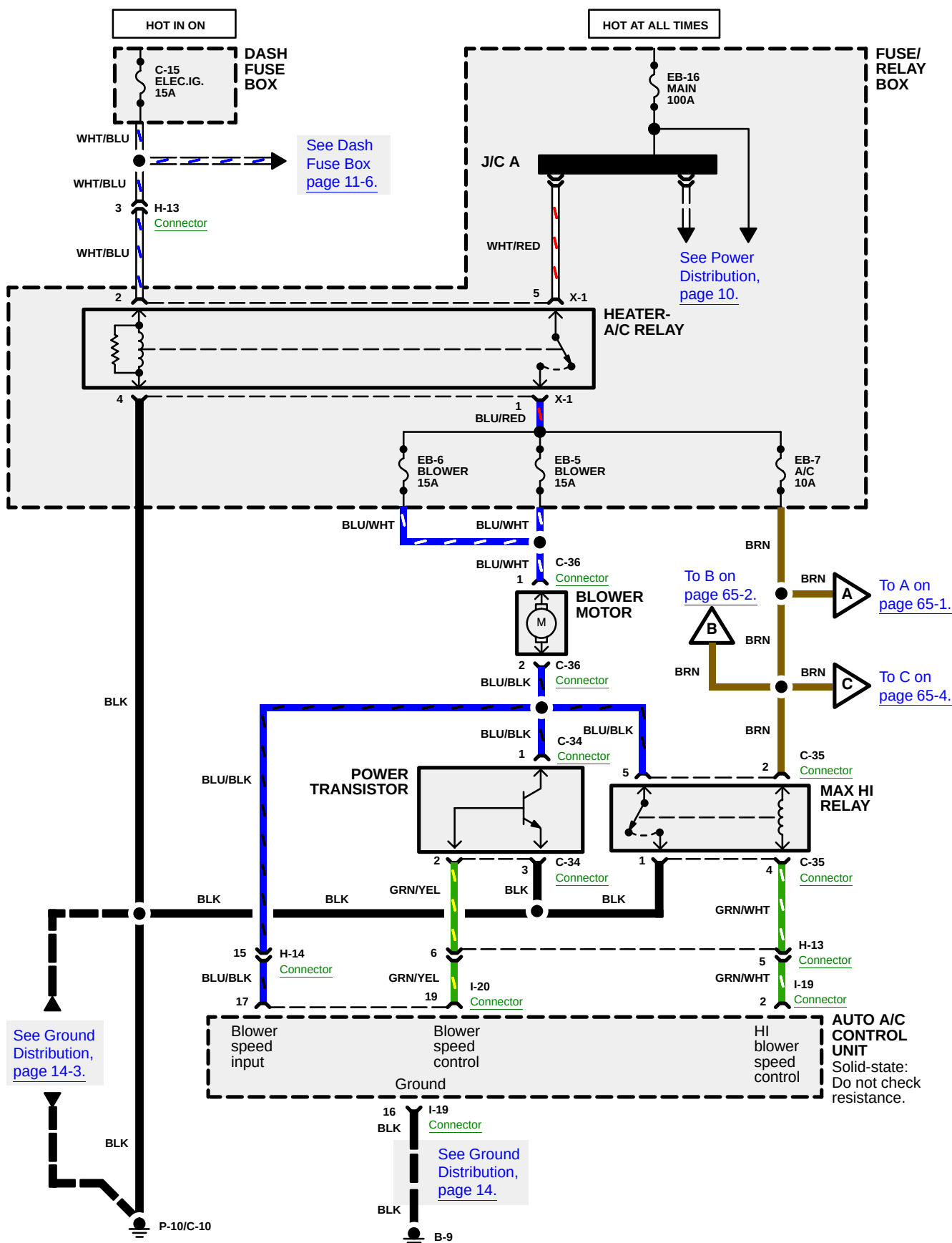
AUTOMATIC A/C

Component Index

- A/C Compressor
- A/C Compressor Relay
- A/C Thermo Relay
- A/C Triple Pressure Switch
- Audio and Switch Assembly
- Auto A/C Control Unit
- Blower Motor
- Condenser Fan
- Condenser Fan Relay
- Dash Fuse Box
- Evaporator Sensor
- Fuse/Relay Box
- Heater-A/C Relay
- In Car-Temperature Sensor
- Intake Actuator
- Junction Connector A
- Max Hi Relay
- MID Display
- Mix Actuator
- Mode Actuator
- Option Fuse Box
- Outside Temperature Sensor
- Power Transistor
- Powertrain Control Module (PCM)
- Sunlight Sensor
- Vehicle Speed Sensor

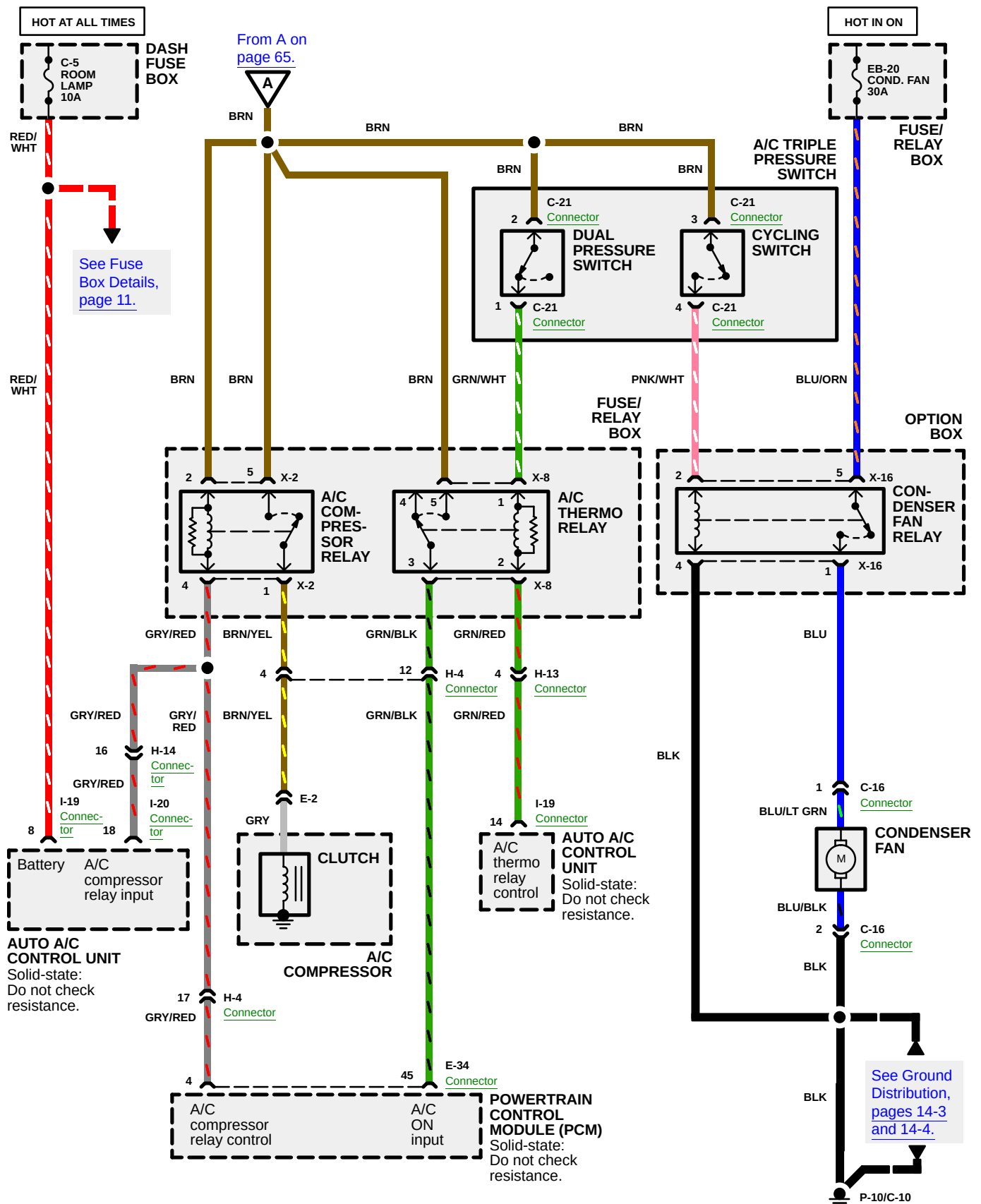
AUTOMATIC A/C (BLOWER CONTROLS)

Circuit Schematic



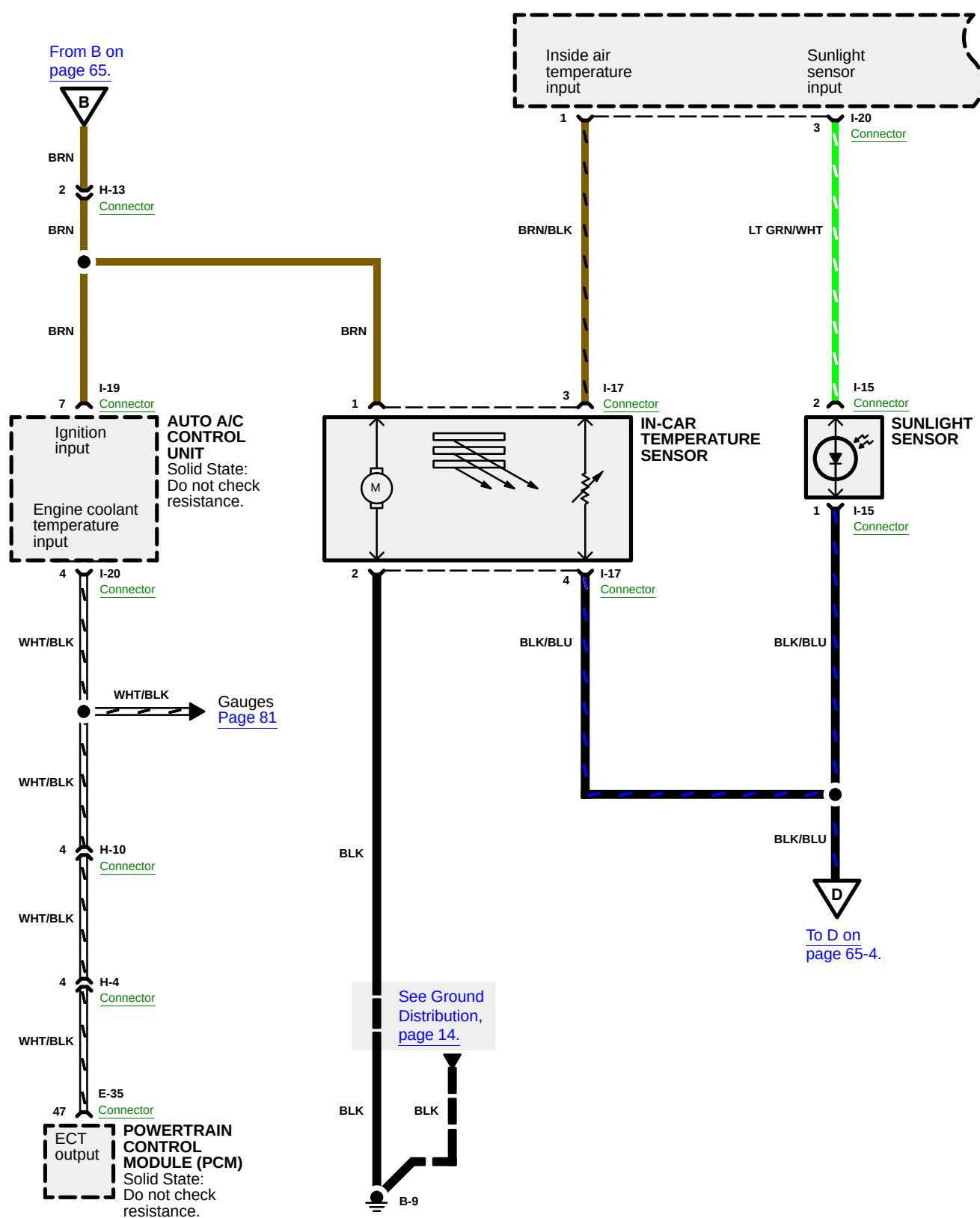
AUTOMATIC A/C (COMPRESSOR & CONDENSER FAN CONTROLS)

Circuit Schematic



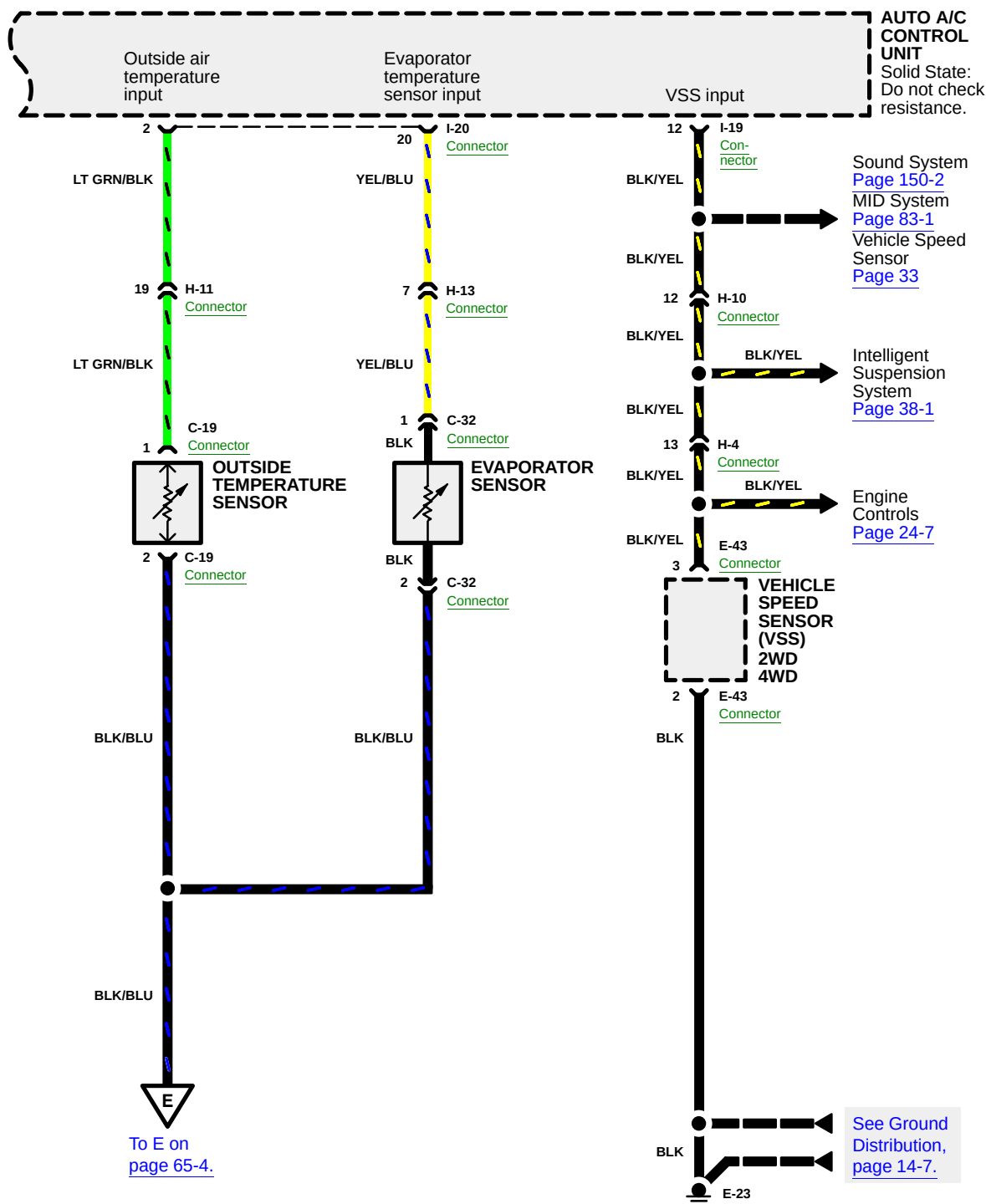
AUTOMATIC A/C (SENSORS)

Circuit Schematic



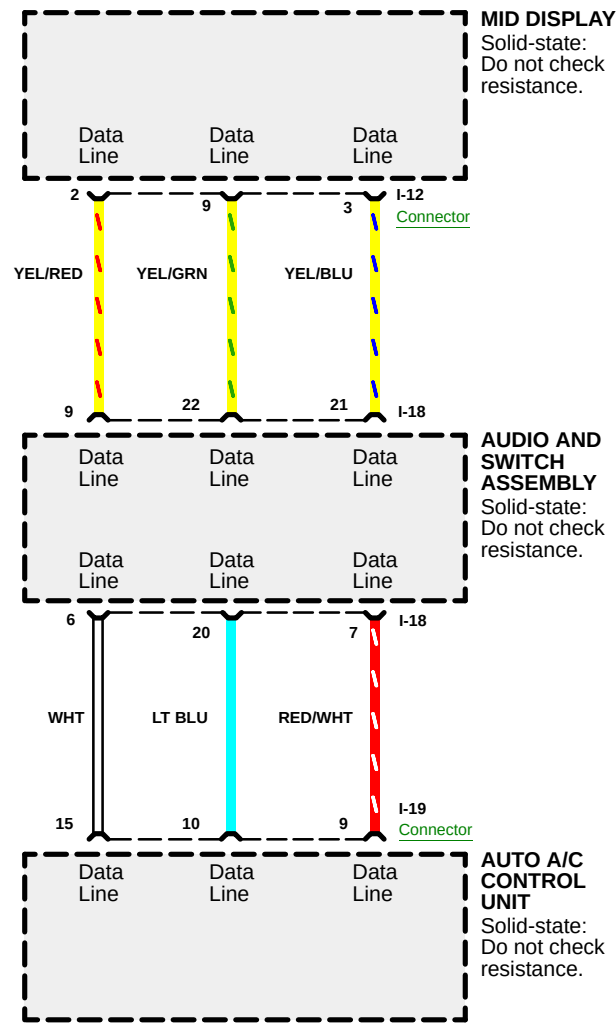
AUTOMATIC A/C (SENSORS)

Circuit Schematic



AUTOMATIC A/C (A/C CONTROLS)

Circuit Schematic



AUTOMATIC A/C

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
A/C Compressor	Left side of engine
A/C Compressor Relay	In the fuse & relay box 13
A/C Thermo Relay	In the fuse & relay box 12
A/C Triple Pressure Switch	Left Front of vehicle behind grille 3
Audio and Switch Assembly	Center of I/P
Auto A/C Control Unit	Center of I/P
Blower Motor	Behind glove box
Condenser Fan	Front of vehicle 5
Condenser Fan Relay	Right rear of engine compartment 10
Dash Fuse Box	Behind left I/P side trim panel 42
Evaporator Sensor	Behind glove box
Fuse/Relay Box	Right side of engine compartment 8
Heater-A/C Relay	In the fuse & relay box 13
In Car-Temperature Sensor	Left side of I/P
Intake Actuator	Behind glove box 57
Junction Connector A	In the fuse & relay box 14
Max Hi Relay	Behind glove box 57
MID Display	Center of I/P 65
Mix Actuator	Behind audio unit 67
Mode Actuator	Behind left side of I/P 50
Option Fuse Box	Right side of the engine compartment 8
Outside Temperature Sensor	Left front of vehicle, behind grille 3
Power Transistor	Behind glove box 58
Powertrain Control Module (PCM)	Left side of engine compartment 26
Sunlight Sensor	Top center of I/P 64
Vehicle Speed Sensor (2WD)	Right side of transmission 99
Vehicle Speed Sensor (4WD)	Rear of transfer case 109
Connector	
C-16 (2-GRY)	Front of vehicle 5
C-32 (2-WHT)	Behind glove box 57
C-43 (9-NAT)	Behind the audio unit
E-2 (1-BLK)	Lower left side of engine 33
H-4 (52-BLK)	Left side of engine compartment 31
H-10 (22-BLK)	Behind left kick panel 46
H-11 (19-BLK)	Behind left kick panel 46
H-12 (20-GRY)	Behind right kick panel 62
H-13 (19-WHT)	Behind right kick panel 62
H-14 (19-BLK)	Behind right kick panel 62
I-12 (16-WHT)	Center of I/P 65
I-15 (2-BLK)	Top center of I/P 64
I-17 (4-WHT)	Left side of I/P 53
I-18 (26-GRY)	Center of I/P 66
I-19 (16-GRY)	Center of I/P 66
I-20 (20-GRY)	Center of I/P 66
T-21 (6-NAT)	Behind glove box 57
Ground	
B-9	Under center console 71
C-10	At the rear of the battery tray, right side of engine compartment 15
E-23	Right side of engine 19
P-10	Right side of engine compartment 15

AUTOMATIC A/C

Circuit Operation

The automatic A/C system consists of the following components:

Blower Controls:

- Heater-A/C Relay
- Blower Motor
- Max Hi Relay
- Power Transistor

Compressor Controls:

- A/C Compressor Clutch
- A/C Compressor Relay
- A/C Thermostat Relay
- A/C Triple Pressure Switch

Condenser Fan Controls:

- A/C Triple Pressure Switch
- Condenser Fan
- Condenser Fan Relay

Sensor Inputs:

- Evaporator Sensor
- In-Car Temperature sensor
- Outside Temperature Sensor
- SunlampSensor
- Thermo Sensor
- VSS Sensor

Air Delivery Controls:

- Intake Actuator
- Mix Actuator
- Mode Actuator

A/C Controls

- Audio & Switch Assembly
- Auto A/C Control Unit
- MID Display

The Automatic Heater-A/C Control Unit is powered at all times through fuse C-5 and with the engine running through fuse EB-7, and is grounded at all times at B-9.

Refer to Section 1A of the Workshop Manual for further diagnosis.