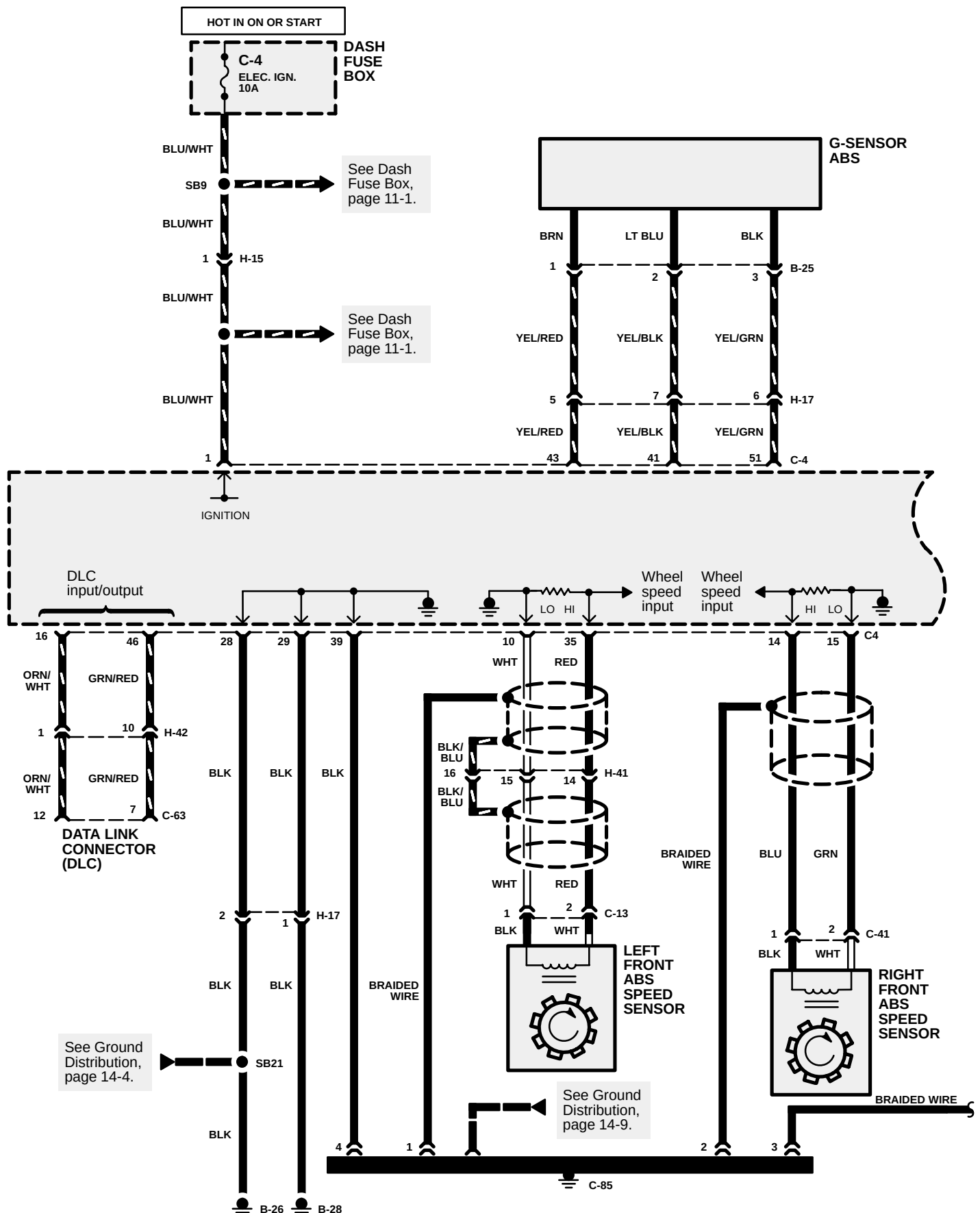


4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Component Index

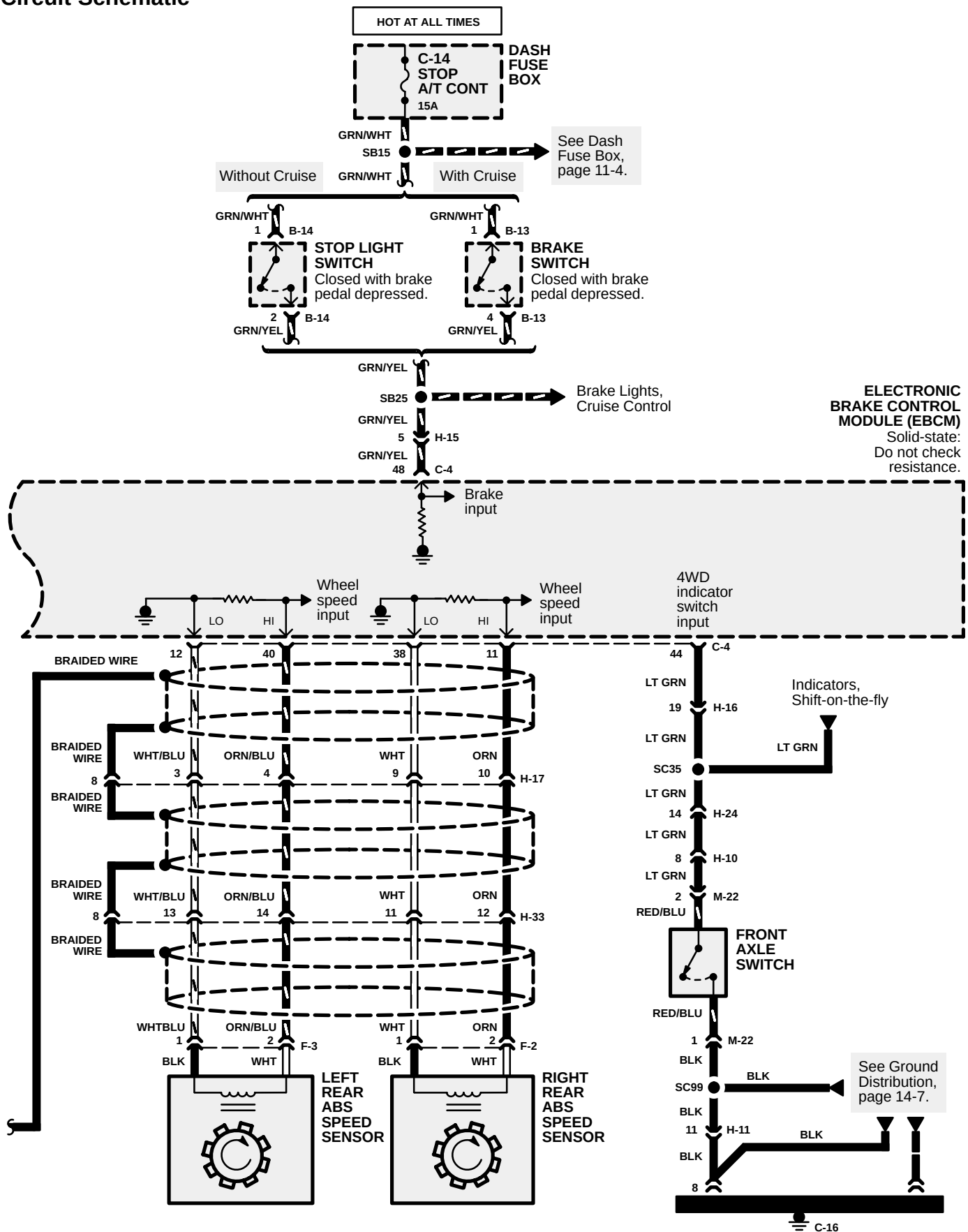
- ABS Hydraulic Unit
- Back Up Light Switch
- Brake Switch
- Dash Fuse Box
- Data Link Connector (DLC) C63 (16-BLK)
- Diode Box A
- Electronic Brake Control Module (EBCM)
- Front Axle Switch
- Fuse/Relay Box
- G-Sensor - ABS
- Left Front ABS Speed Sensor
- Left Rear ABS Speed Sensor
- Powertrain Control Module (PCM)
- Right Front ABS Speed Sensor
- Right Rear ABS Speed Sensor
- Stoplight Switch
- Transmission Switch 1-2

4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)



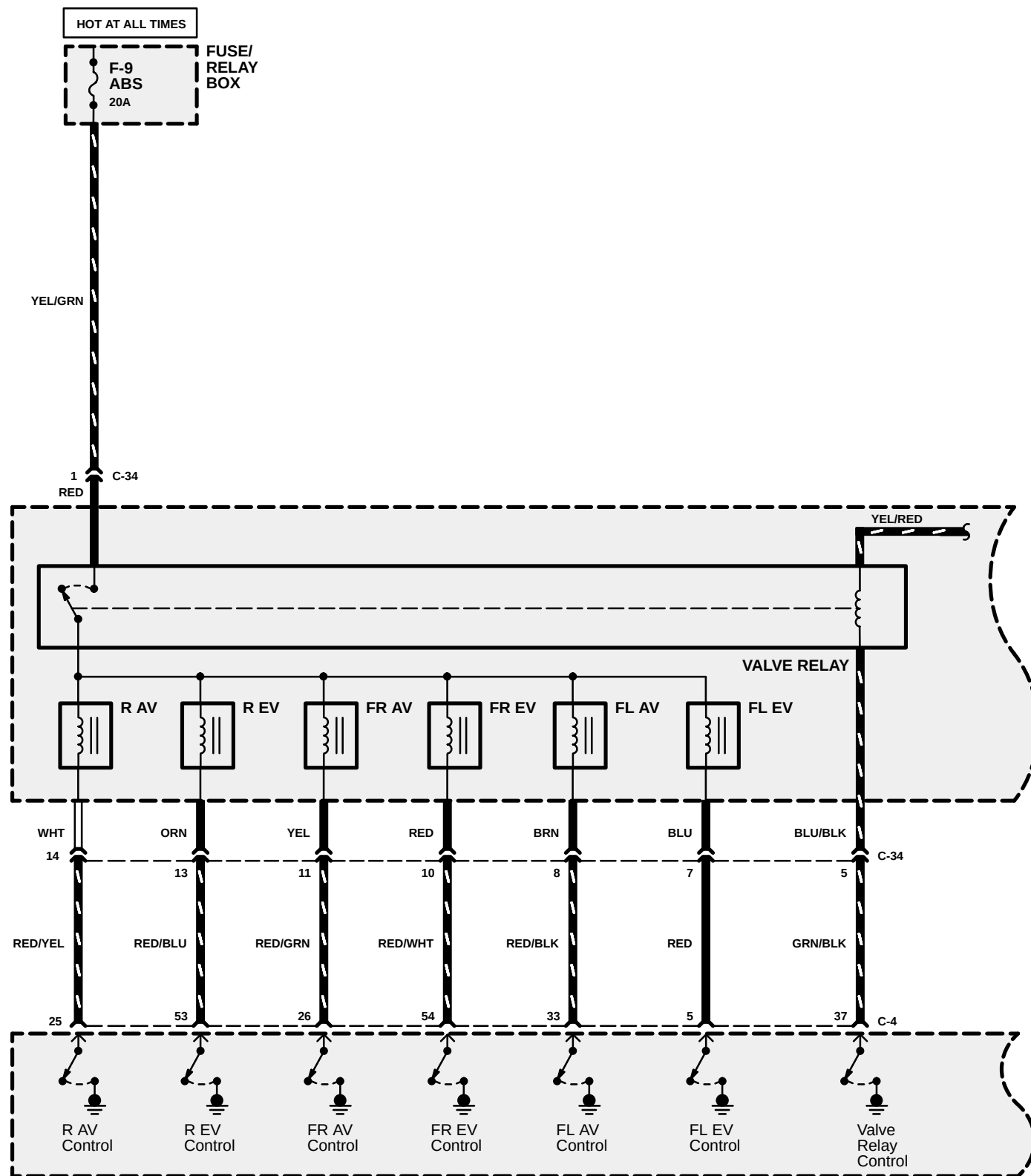
4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Circuit Schematic



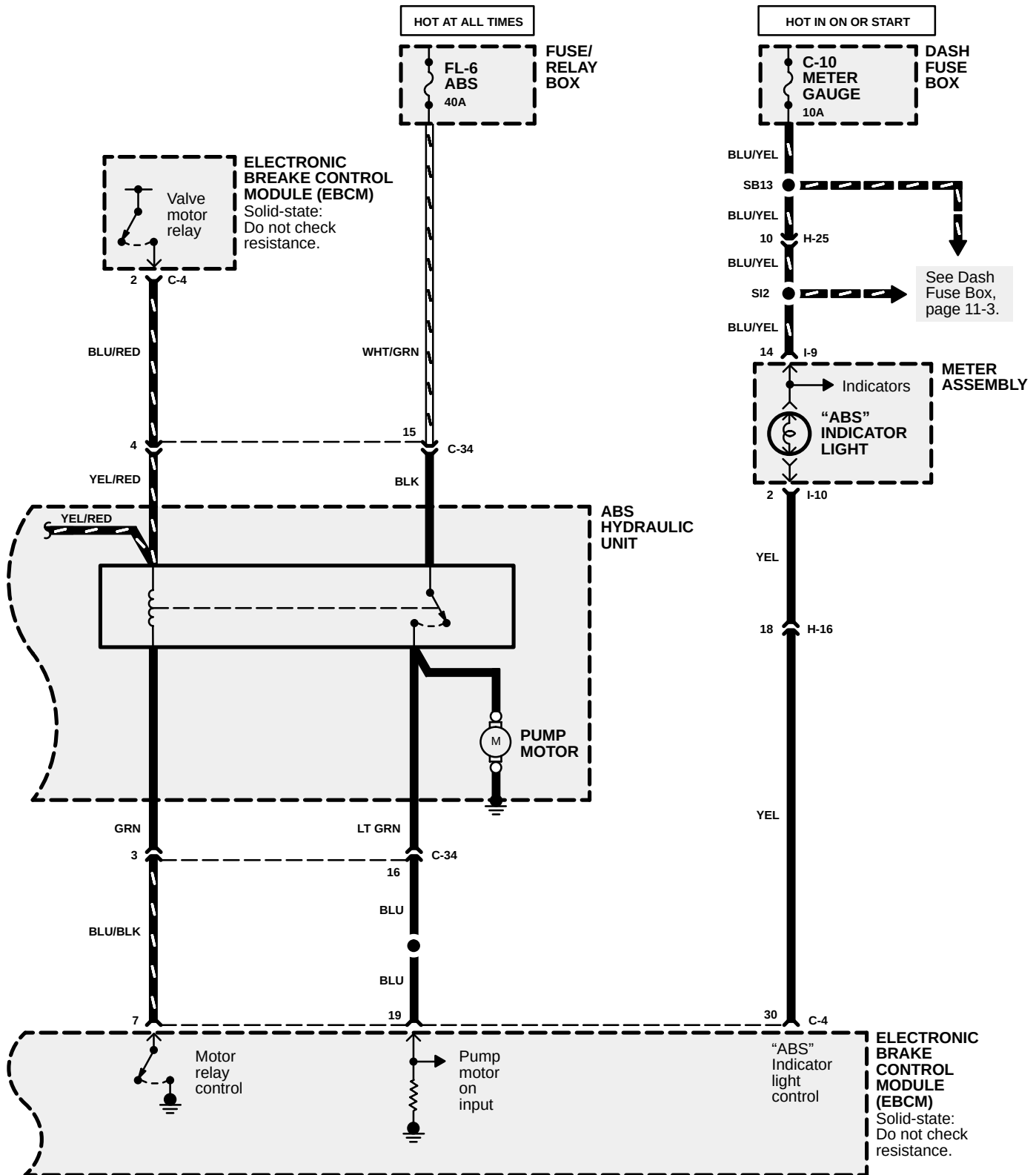
4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Circuit Schematic



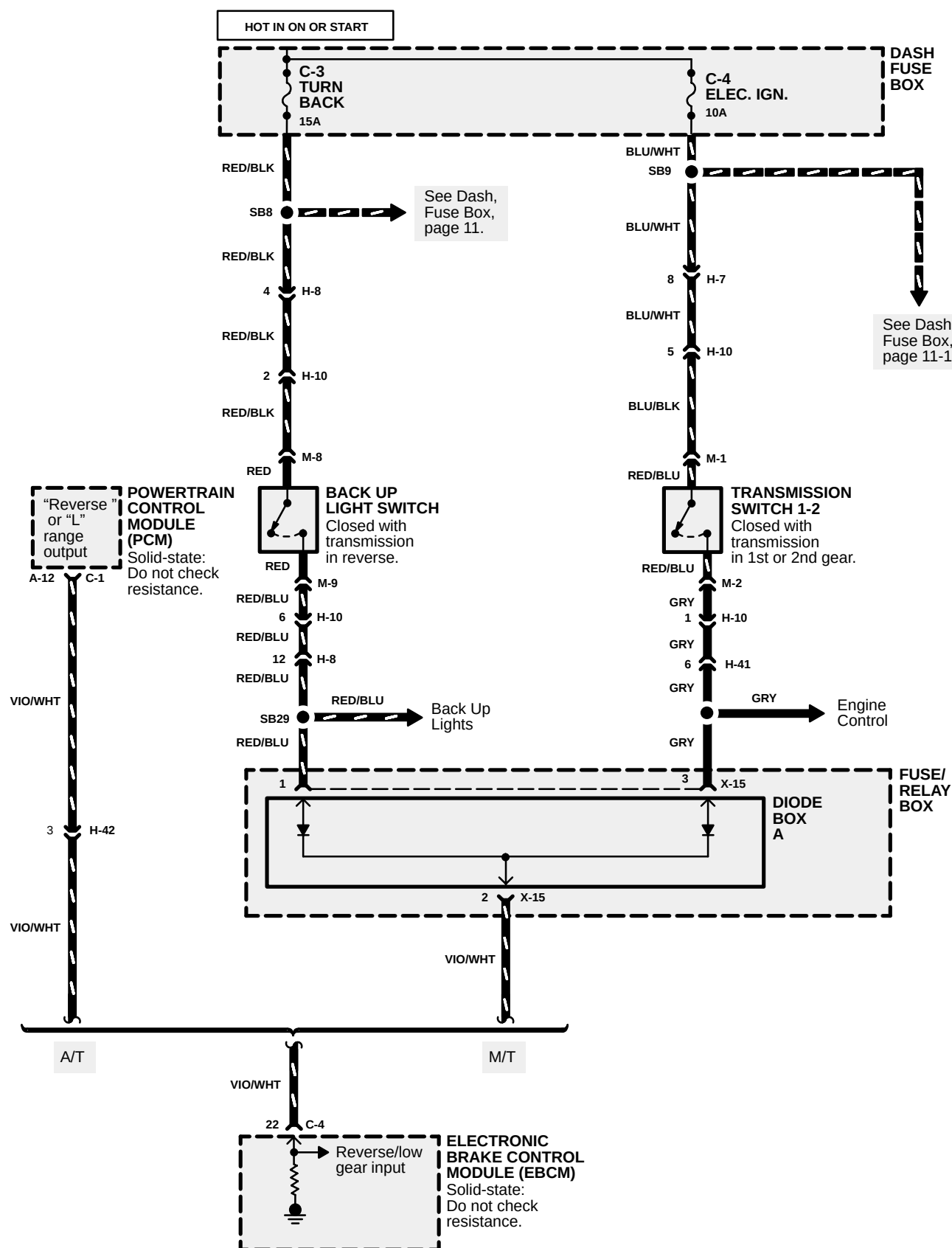
4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Circuit Schematic



4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Circuit Schematic



4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
ABS Hydraulic Unit	Right side of engine compartment
Back Up Light Switch	Beneath vehicle, on left side of transmission 118
Brake Switch	Below I/P, on brake pedal support 56
Dash Fuse Box	Behind left dash side trim panel 51
Data Link Connector (DLC)	
C63 (16-BLK)	Left I/P lower cover, behind access cover 47
Diode Box A	In fuse/relay box 37
Electronic Brake Control	
Module (EBCM)	Beneath right front seat 116
Front Axle Switch	Left center of front axle 17
Fuse/Relay Box	Right side of engine compartment, on inner fender panel 33
G-Sensor - ABS	Beneath rear of center console 55
Left Front ABS Speed Sensor .	Inside of left front wheel 8
Left Rear ABS Speed Sensor .	Inside of left rear wheel 101
Powertrain Control Module	
(PCM)	Behind the lower cluster assembly 62
Right Front ABS Speed	
Sensor	Inside of right front wheel 8
Right Rear ABS Speed Sensor	Inside of right rear wheel 101
Stoplight Switch	Below I/P on brake pedal support 56
Transmission Switch 1-2	Beneath vehicle, on right side of transmission
Connector	
B-25 (3-WHT)	Beneath rear of center console 55
C-13 (2-BRN)	Lower left side of engine compartment 7
C-34 (16-BLK)	Right front corner of engine compartment 32
C-41 (2-BRN)	Lower right side of engine compartment 7
F-2 (2-BRN)	Beneath rear of vehicle, above right side of differential 98
F-3 (2-BLK)	Beneath rear of vehicle, above right side of differential 98
H-7 (20-BRN/WHT)	Below I/P, above left dash side trim panel, on bracket 52
H-8 (16-BLK)	Below I/P, above left dash side trim panel, on bracket 53
H-10 (16-BLU) (M/T)	Left front of engine compartment 27
H-10 (16-BLU) (A/T)	Left front of engine compartment 27
H-11 (16-BLK)	Left front of engine compartment 27
H-15 (14-WHT)	Below I/P, above right dash side trim panel, on bracket 70
H-16 (22-WHT)	Behind right dash side trim panel 73
H-17 (10-BLK)	Beneath right front seat 116
H-24 (18-YEL)	Below I/P, above left dash side trim panel, on bracket 53
H-25 (22-BLU)	Below I/P, above left dash side trim panel, on bracket 54
H-33 (14-WHT)	In floor, below right front seat 110
H-41 (16-BLU)	Right front of engine compartment 31
H-42 (16-BLK)	Right front of engine compartment 31
I-9 (16-BLK)	On left rear of meter assembly 45
I-10 (16-WHT)	On right rear of meter assembly 45
M-1 (1-CLR)	Beneath center of vehicle, top left side of transmission
M-2 (1-CLR)	Beneath center of vehicle, top left side of transmission
M-8 (1-CLR)	Beneath center of vehicle, top left side of transmission 118
M-9 (1-CLR)	Beneath center of vehicle, top left side of transmission 118
M-22 (2-BRN)	Center of front axle 17

4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)

Component Location Index

(Refer to Section 201 for photographs.)

Ground	Photo No.
B-26 Below rear of center console	67
B-28 Below driver's seat	99
C-16 Left rear corner of engine compartment, on inner fender panel	28
C-85 Beneath right front seat	116

Circuit Operation

The anti-lock brake system adjusts the brake pressure whenever a wheel is about to lockup, allowing the driver to maintain greater control of the vehicle under heavy braking conditions. Under normal driving conditions, the anti-lock brake system (ABS) functions the same as a standard power assisted brake system.

The electronic brake control module (EBCM) receives inputs from individual ABS speed sensors and the G-sensor. The electronic brake control module (EBCM) uses the inputs to control the ABS hydraulic unit, which adjusts the hydraulic pressure applied to each caliper on the basis of the signals received from the electronic brake control module (EBCM).

The electronic brake control module (EBCM) has a self-diagnosis function which monitors the system's function. When a malfunction is detected, the "ABS" indicator light is turned on and the anti-lock braking function is disabled; but the standard power assisted brake system continues to operate normally.

Refer to Section 5 of the Workshop Manual for further anti-lock brake system (ABS) diagnosis.