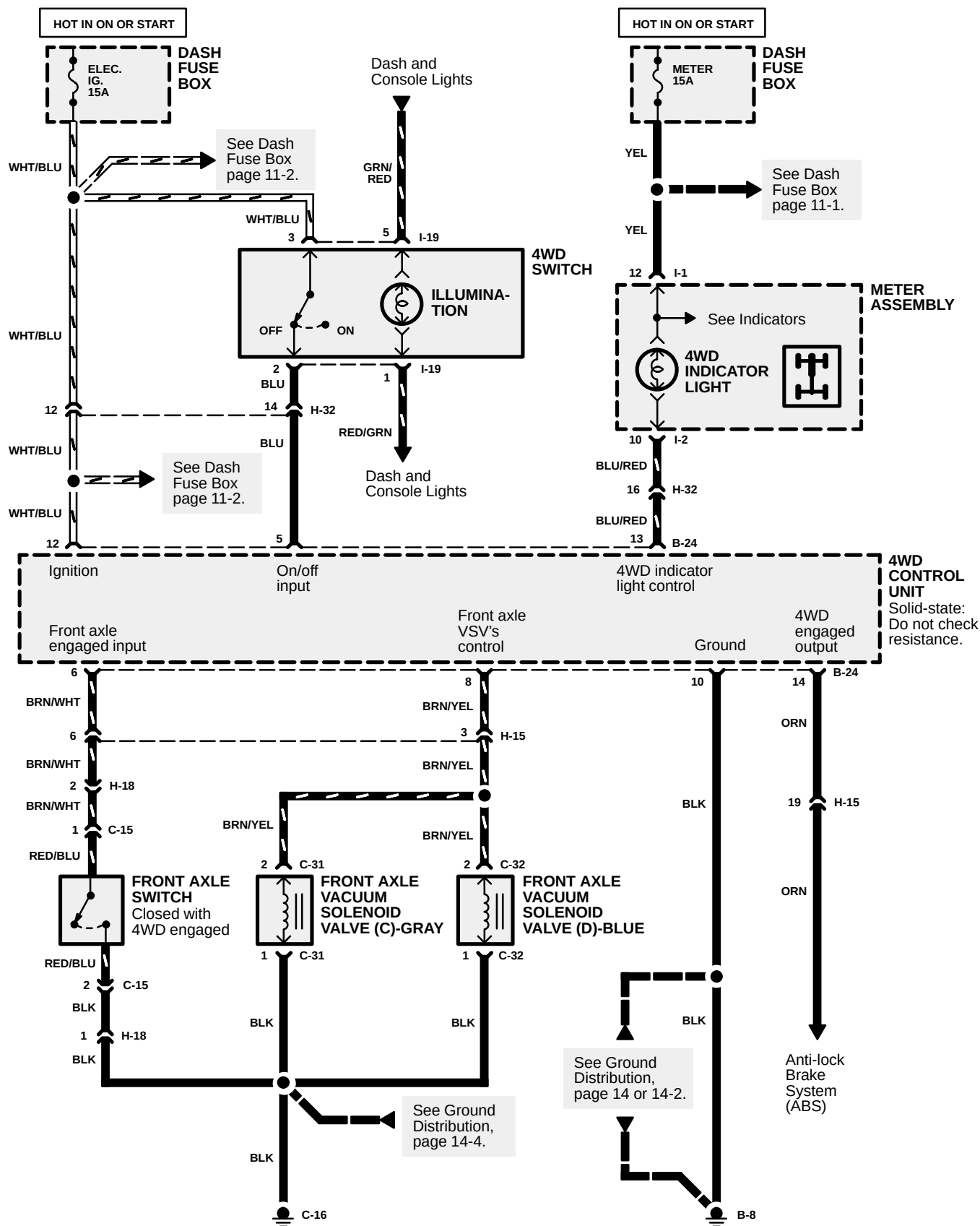


SHIFT-ON-THE-FLY SYSTEM

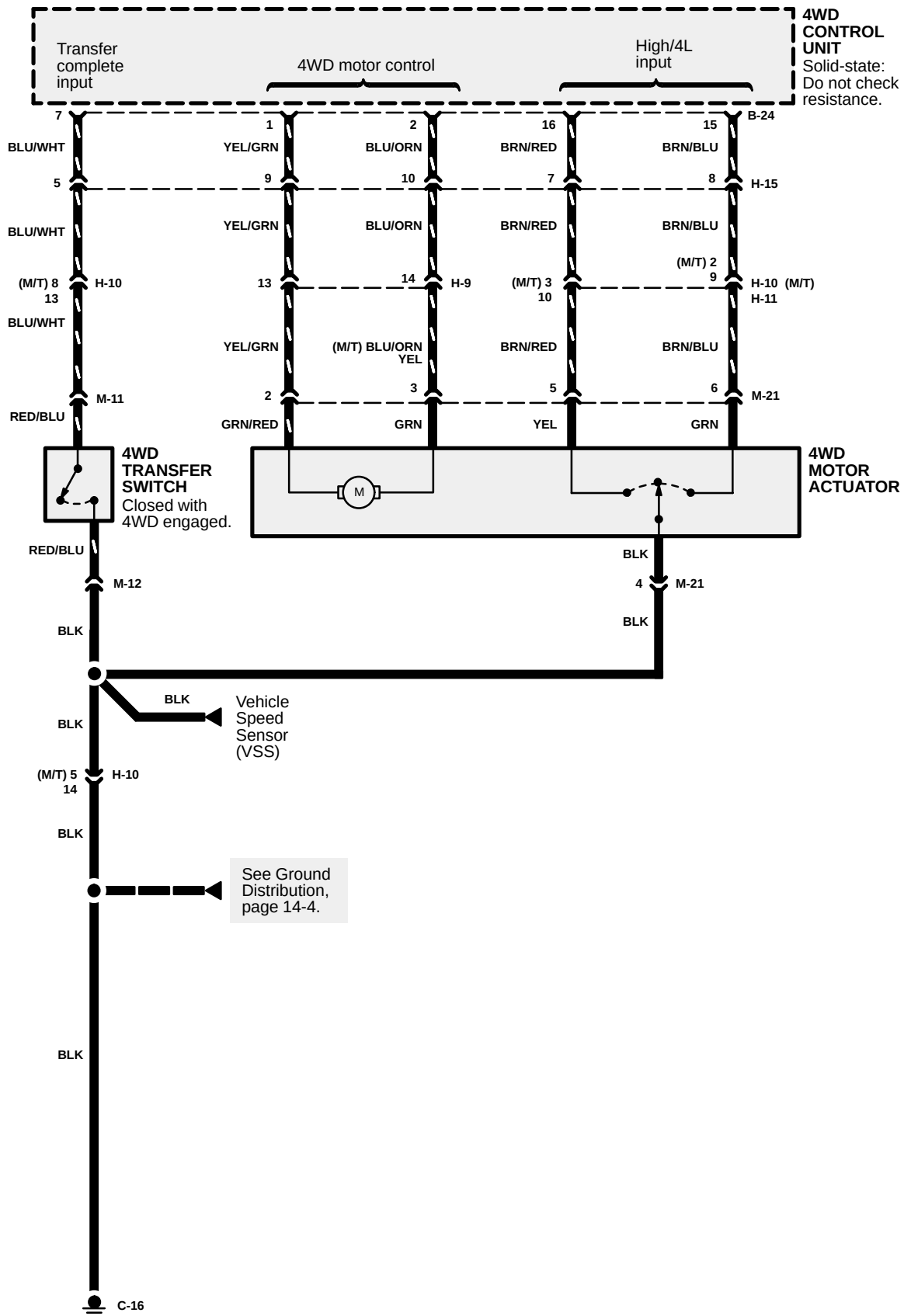
Component Index

- [4WD Control Unit](#)
- [4WD Motor Actuator](#)
- [4WD Transfer Switch \(A/T\)](#)
- [Dash Fuse Box](#)
- [Front Axle Switch](#)
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SHIFT-ON-THE-FLY SYSTEM



SHIFT-ON-THE-FLY SYSTEM



SHIFT-ON-THE-FLY SYSTEM

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
4WD Control Unit Below center console	81
4WD Motor Actuator Beneath center of vehicle, on transfer case	120
4WD Transfer Switch (A/T) . . . Beneath vehicle, on right side of transmission	108
Dash Fuse Box Left side of I/P, behind panel	58
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Front Axle Vacuum Solenoid	
Valve D - Blue Left rear corner of engine compartment	13
Connector	
C-37 (2-BRN) Left side of front axle, near starter motor	121
H-9 (16-BLU) Lower left front of engine compartment	9
H-10 (12-GRN) (M/T) Lower left front of engine compartment	9
H-10 (16-GRN) (A/T) Lower left front of engine compartment	9
H-11 (12-BLK) Lower left front of engine compartment	9
H-15 (20-BLU) Behind left kick panel	63
H-18 (2-GRY) Left rear corner of engine compartment	13
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
M-11 (1-WHT) On right side of transmission	107
M-12 (1-WHT) On right side of transmission	107
Ground	
B-8 Below center console	81
C-16 Left rear corner of engine compartment, on inner fender panel	14

Circuit Operation

With the starter switch in ON position, the 4WD control unit is powered so that, when the 4WD switch is depressed, the 4WD motor actuator is activated, connecting the front wheels to the driving axle. This feature enables the shifting from 2WD to 4WD while the vehicle is in motion, but only when transfer control lever is in 4H position.