

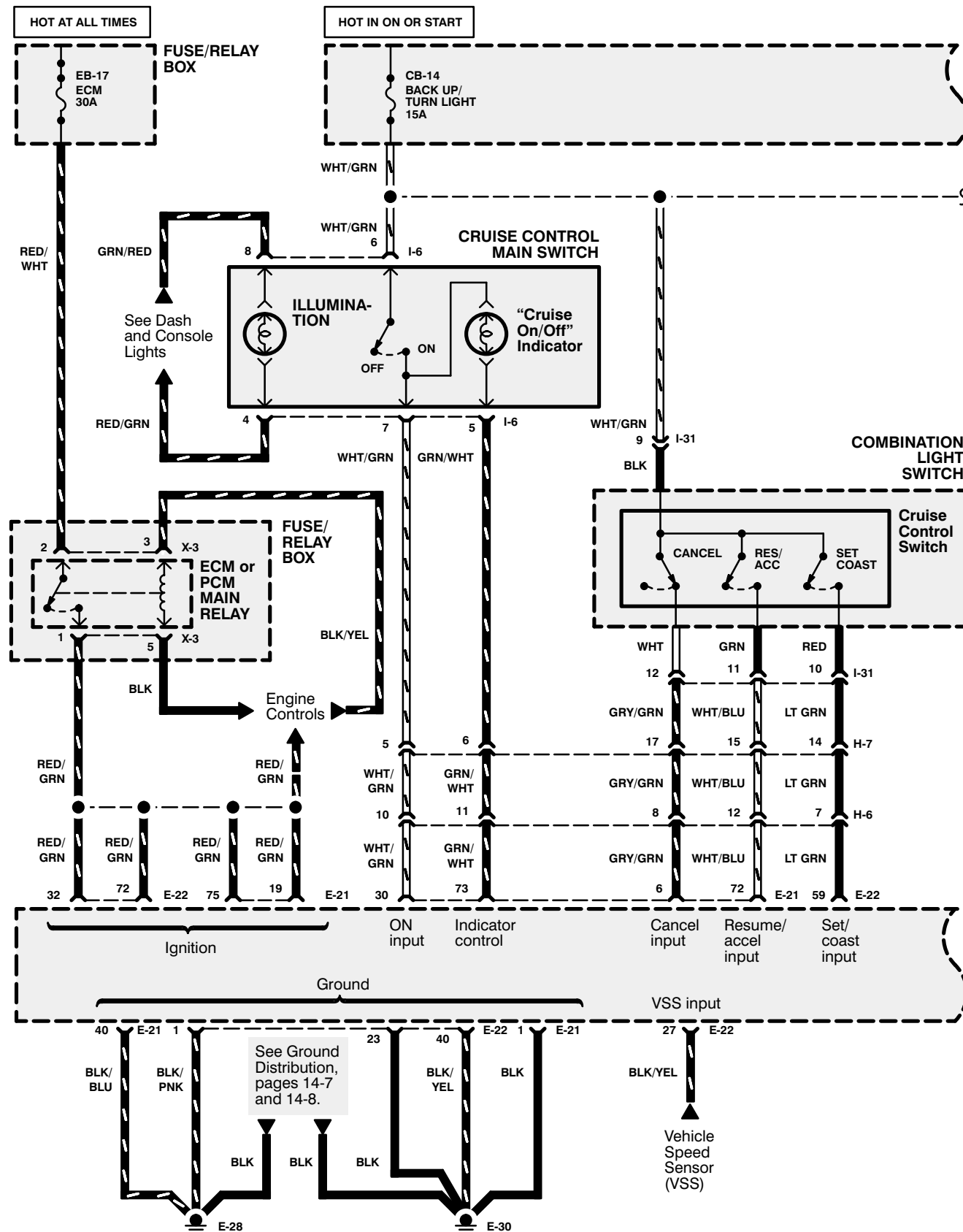
CRUISE CONTROL

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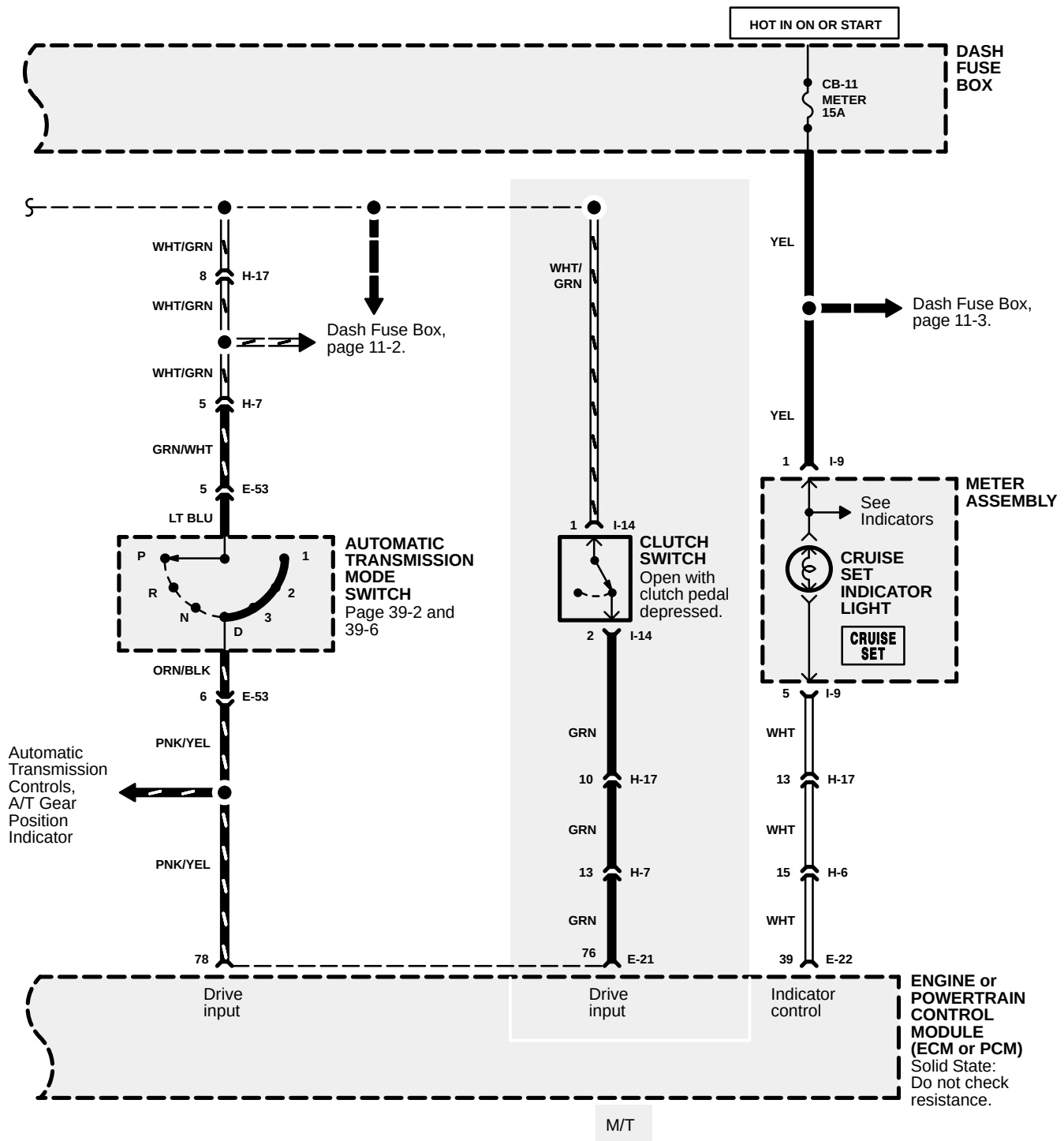
CRUISE CONTROL

Circuit Schematic



CRUISE CONTROL

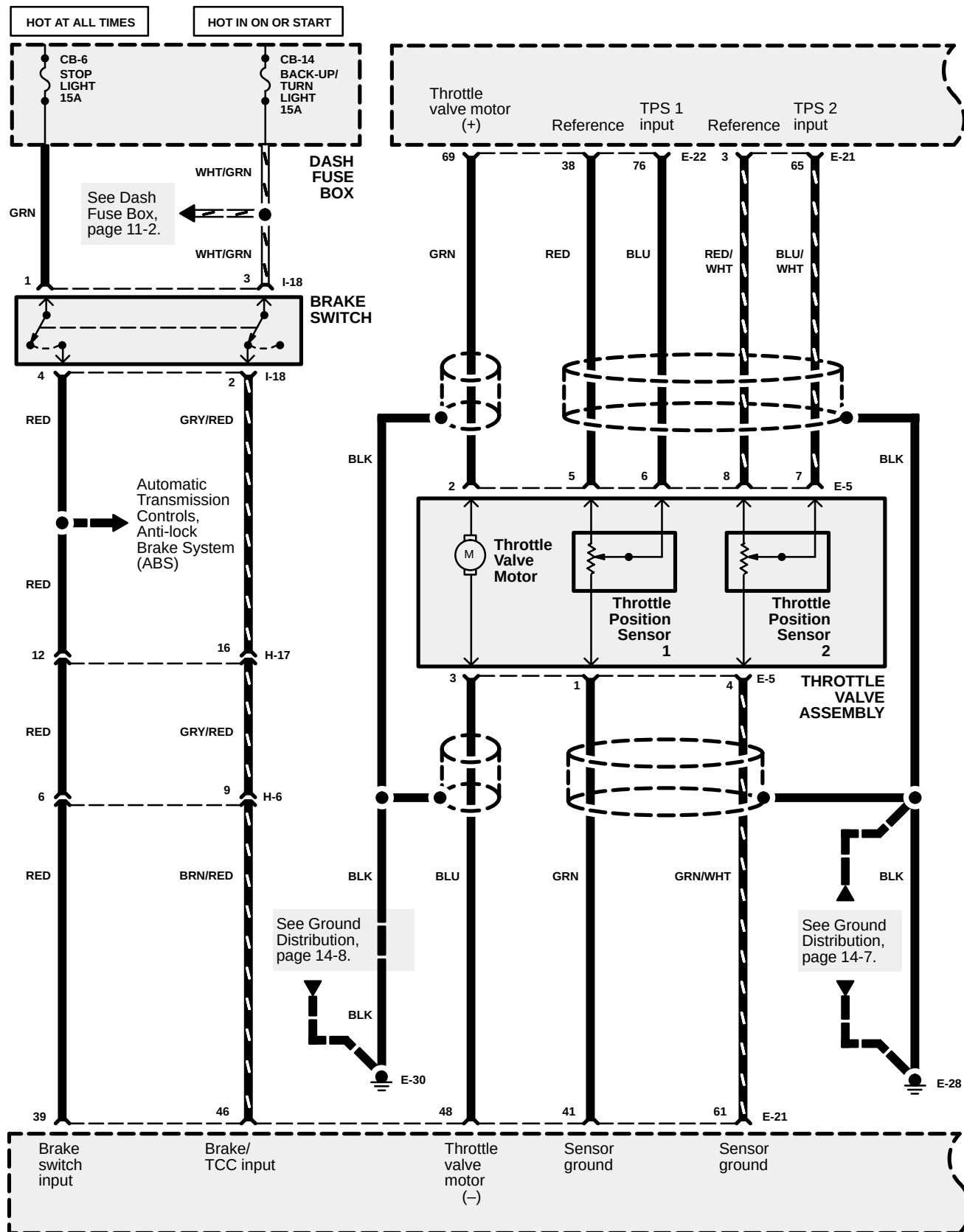
Circuit Schematic



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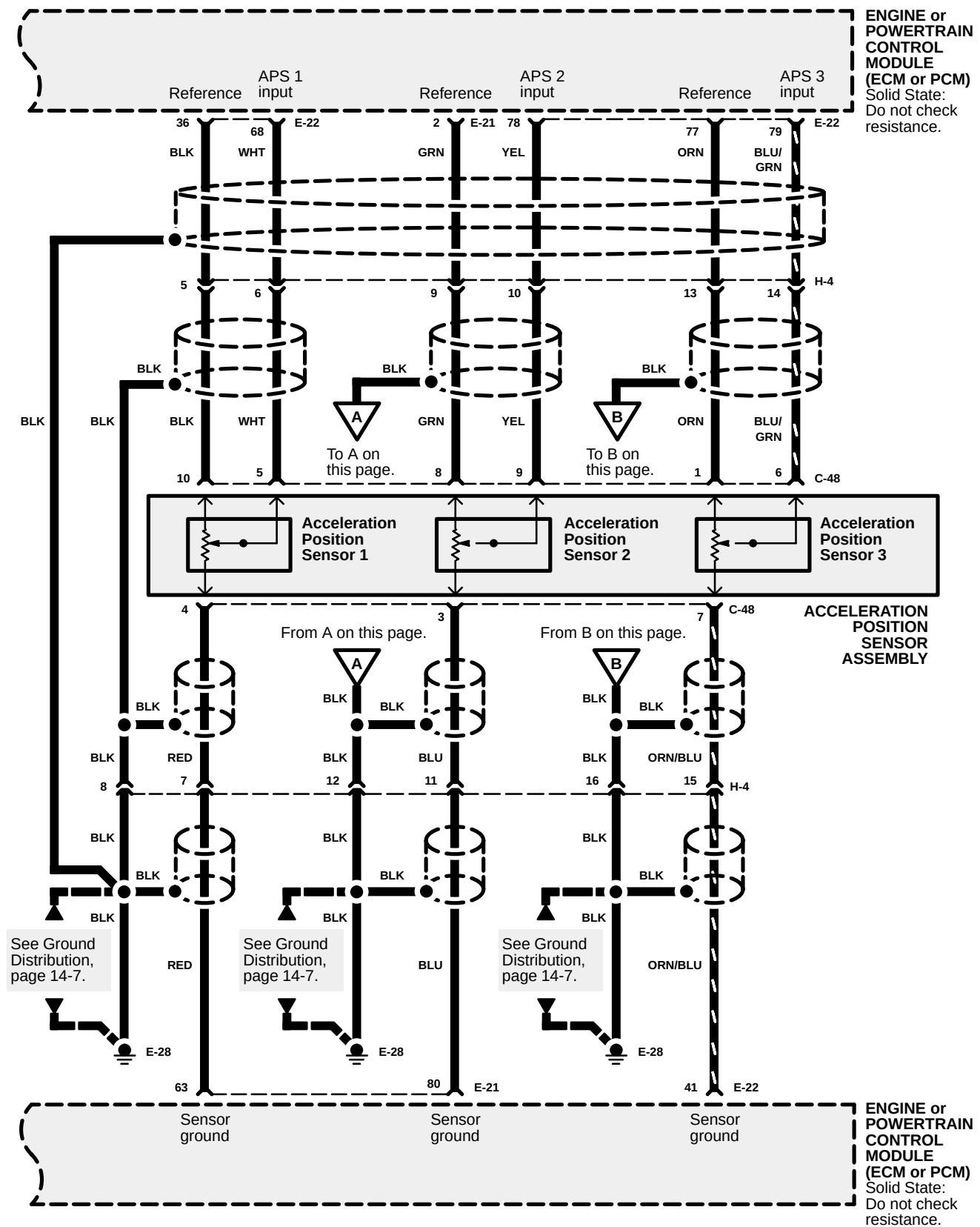
CRUISE CONTROL

Circuit Schematic



CRUISE CONTROL

Circuit Schematic



CRUISE CONTROL

(Refer to Section 201 for photographs.)

Component	Photo No.
Acceleration Position	
Sensor Assembly	Part of the acceleration pedal 129
Automatic Transmission Mode	
Switch	Beneath center of vehicle, on left side of transmission 110
Brake Switch	Behind left side of I/P, on brake pedal support 68
Clutch Switch	Behind left side of I/P, on clutch pedal support 65
Dash Fuse Box	Left side of I/P, behind panel 58
Engine or Powertrain	
Control Module	
(ECM or PCM)	Left side of engine compartment 44
Throttle Valve Assembly	Top front of engine, on intake manifold 46
Connector	
E-53 (8-BLK)	Left side of transmission 110
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I-31 (13-WHT)	Behind left side of I/P, on connector bracket 67
Ground	
E-28	Left side of intake manifold 54
E-30	Right side of intake manifold 21

Circuit Operation

With the starter switch in ON, the engine (M/T) or powertrain (A/T) control module is powered. This system uses mechanical, and electrical operated devices to maintain vehicle speed at a setting selected and controlled by the driver. See owner’s manual for further instruction.

System Operation

The cruise control system will set and automatically maintain any speed above 25 mph (40 km/h). To set, press the cruise control main switch so that the “CRUISE ON/OFF” indicator is on. After reaching the desired speed, press the set switch. The engine (M/T) or powertrain (A/T) control module will receive a set signal input and will activate the throttle valve motor.

Pushing the cruise control main switch cancels the cruise control system. This signals the engine (M/T) or powertrain (A/T) control module and erases the set speed from memory. The cruise control system also disengages when cruising speed is lower than the preset speed by 12.5 mph (20 km/h) or more. If the system is disengaged temporarily by the brake switch,

clutch switch, or the automatic transmission mode switch and vehicle speed is still above 25 mph (40 km/h), turn and release the resume/accel switch. With the resume/accel switch turned and released, the set memory is retained. The vehicle automatically returns to the previously set speed.

For gradual acceleration without depressing the accelerator pedal, turn the resume/accel switch and hold it there until the desired speed is reached. This will send an acceleration signal to the engine (M/T) or powertrain (A/T) control module. When the switch is released, the system will be reprogrammed for the new speed. Quickly turning and releasing the resume/accel switch allows you to tap up the preset cruising speed.

CRUISE CONTROL

Circuit Operation (cont'd)

Each turn increases the preset speed by 1 mph (1.6 km/h). The preset speed can be increased by up to 10 mph (16 km/h) in this manner. To slow the vehicle down, depress and hold the set/coast switch. This will send a deceleration signal to the engine (M/T) or powertrain (A/T) control module, causing the vehicle to coast until the desired speed is reached. When the desired speed is reached, release the set/coast switch. This will reprogram the system for the new speed. Quickly depressing and releasing the set/coast switch allows you to tap down the preset cruising speed. Each depress decreases the preset speed by 1 mph (1.6 km/h). The preset speed can be decreased to a minimum of 25 mph (40 km/h) in this manner.