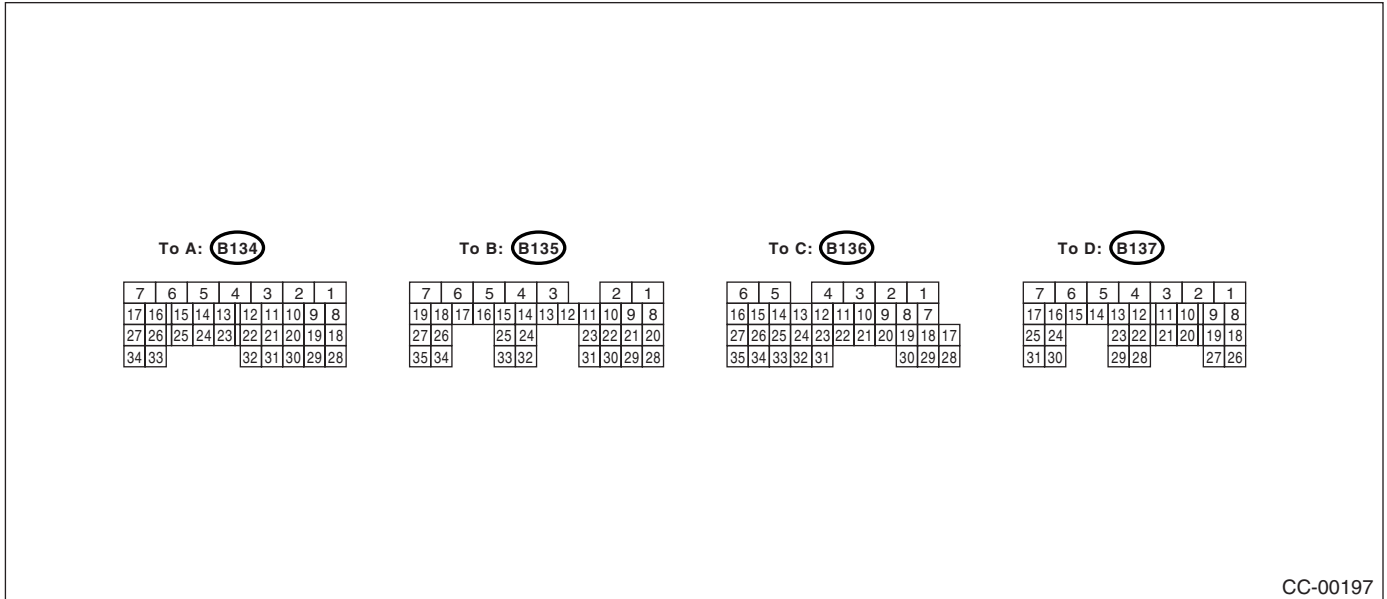


ENGINE CONTROL MODULE (ECM) I/O SIGNAL

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

4. Engine Control Module (ECM) I/O Signal

A: ELECTRICAL SPECIFICATION



CC-00197

Content		Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Clutch switch		A1	<ul style="list-style-type: none"> Battery voltage is present when the clutch pedal is released. "0" volt is present when the clutch pedal is depressed.
Cruise set indicator light		A16	(Press the main switch and drive the vehicle at 40 km/h (25 MPH) or more.) <ul style="list-style-type: none"> Battery voltage is present when the set switch is turned to OFF. "0" volt is present when the set switch is turned to ON.
Cruise indicator light		A15	<ul style="list-style-type: none"> Battery voltage is present when the main switch is turned to OFF. "0" volt is present when the main switch is turned to ON.
Main power supply	VB (CONTROL 1) VB (CONTROL 2)	B6 B5	<ul style="list-style-type: none"> Battery voltage is present when the main power supply is turned to ON. "0" volt is present when the main power supply is turned to OFF.
Vehicle speed signal		B27	Lift-up the vehicle until all four wheels are raised off the ground, and then rotate any wheel manually. Approx. "5 V" and "0 V" pulse signals are alternately input to ECM.
SET/COAST switch		C11	<ul style="list-style-type: none"> Battery voltage is present when the command switch is turned to SET/COAST position. "0" volt is present when the command switch is released.
RESUME/ACCEL switch		C10	<ul style="list-style-type: none"> Battery voltage is present when the command switch is turned to RESUME/ACCEL position. "0" volt is present when the command switch is released.
Brake switch 1 (Brake switch)		C9	<ul style="list-style-type: none"> Battery voltage is present when the brake pedal is released. "0" volt is present when the brake pedal is depressed.
Brake switch 2 (Stop light switch)		C8	<ul style="list-style-type: none"> Battery voltage is present when the brake pedal is depressed. "0" volt is present when the brake pedal is released.
Main switch		C7	<ul style="list-style-type: none"> Battery voltage is present while the main switch is depressed or is turned to ON. "0" volt is present when the main switch is turned to OFF.
Ground	GND (CONTROL 1) GND (CONTROL 2)	D2 D1	—
Ignition switch		D15	<ul style="list-style-type: none"> Battery voltage is present with the ignition switch is turned to ON. "0" volt is present when the ignition switch is turned to OFF.
Neutral switch		D9	<ul style="list-style-type: none"> Battery voltage is present when the shift lever is in anywhere except neutral position. "0" volt is present when the shift lever is in neutral position.

B: SCHEMATIC

<Ref. to WI-78, SCHEMATIC, Cruise Control System.>