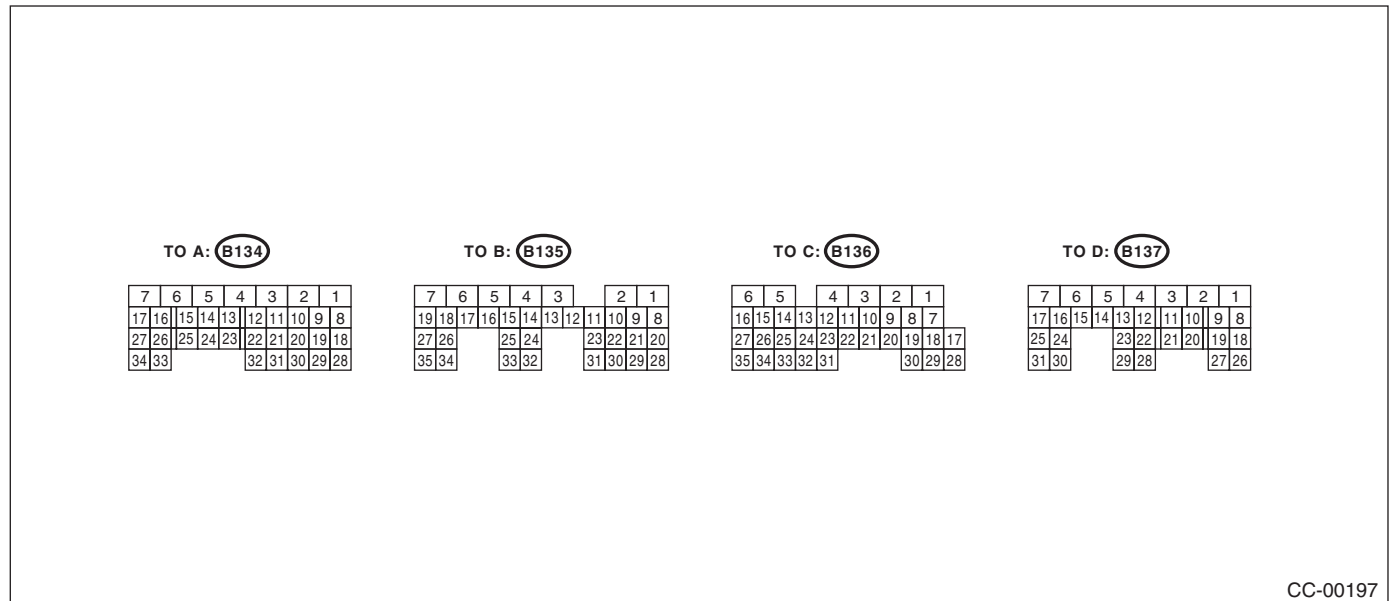


# Engine Control Module (ECM) I/O Signal

## CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

#### A: ELECTRICAL SPECIFICATION



CC-00197

Content		Terminal No.	Measurement condition and I/O signal (Idling with ignition ON: except for cruise set light)
Main power supply	VB (CONTROL 1) VB (CONTROL 2)	A7, B2	<ul style="list-style-type: none"> <li>Battery voltage is detected when the main power is turned ON.</li> <li>"0 V" is detected when the main power is turned OFF.</li> </ul>
Command switch		B24	<ul style="list-style-type: none"> <li>"0 V" is detected when the command switch is in CANCEL position.</li> <li>"Approx. 1 V" is detected when the command switch is in SET/COAST position.</li> <li>"Approx. 3 V" is detected when the command switch is in RESUME/ACCEL position.</li> <li>"Approx. 4 V" is detected when the command switch is released.</li> </ul>
Brake switch 1 (Brake switch)		B20	<ul style="list-style-type: none"> <li>Battery voltage is detected when the brake pedal is released.</li> <li>"0 V" is detected when brake pedal is depressed.</li> </ul>
Brake switch 2 (Stop light switch)		B28	<ul style="list-style-type: none"> <li>Battery voltage is detected when brake pedal is depressed.</li> <li>"0 V" is detected when the brake pedal is released.</li> </ul>
Main switch		B12	<ul style="list-style-type: none"> <li>"0 V" is detected while the main switch is pressed or turned ON.</li> <li>Approx. "5 V" is detected when the main switch is OFF.</li> </ul>
Ground	GND (CONTROL)	A5	—
Ignition switch		B19	<ul style="list-style-type: none"> <li>Battery voltage is detected when the ignition switch is turned ON.</li> <li>"0 V" is detected when the ignition switch is turned OFF.</li> </ul>
Clutch switch (MT model)		C25	<ul style="list-style-type: none"> <li>"0 V" is detected when clutch pedal is depressed.</li> <li>Battery voltage is detected when the clutch pedal is released.</li> </ul>
Neutral position switch (MT model)		C31	<ul style="list-style-type: none"> <li>Battery voltage is detected when the shift lever is in any position except for neutral.</li> <li>"Approx. 0 V" is detected when the shift lever is in neutral position.</li> </ul>
Neutral signal (AT model)		C31	<ul style="list-style-type: none"> <li>Battery voltage is detected when the shift lever is in any position except for "P" or "N".</li> <li>"0 V" is detected when the shift lever is in "P" or "N" position.</li> </ul>

#### B: WIRING DIAGRAM

<Ref. to WI-159, WIRING DIAGRAM, Cruise Control System.>