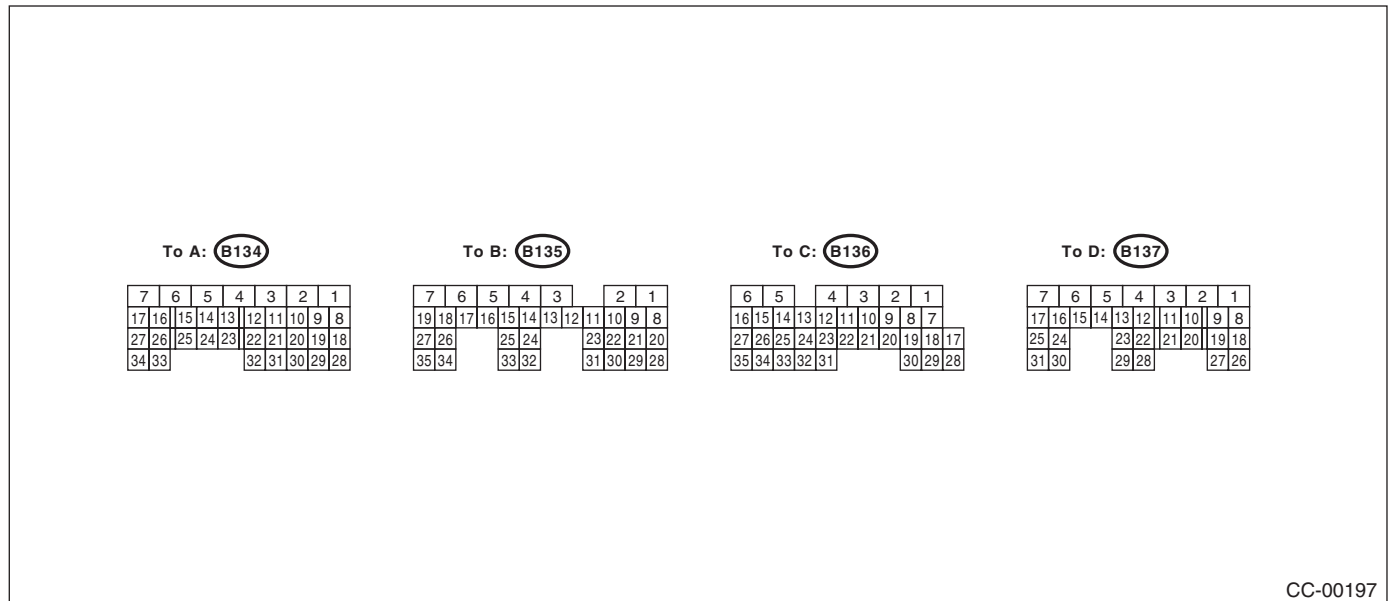


# Engine Control Module (ECM) I/O Signal

## CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

#### A: ELECTRICAL SPECIFICATION



Remarks		Terminal No.	Measurement condition and I/O signal (Idling with ignition ON: Except cruise set light)
Main power supply	VB (CONTROL 1) VB (CONTROL 2)	Non-turbo model: A7, B2 Turbo model: B5, B6	<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		Non-turbo model: B24 Turbo model: C11	<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 present 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)		Non-turbo model: B20 Turbo model: C9	<ul style="list-style-type: none"> <li>Battery voltage is detected when the brake pedal is released.</li> <li>"0 V" is present when brake pedal is depressed.</li> </ul>
Brake switch 2 (Stop light switch)		Non-turbo model: B28 Turbo model: C8	<ul style="list-style-type: none"> <li>Battery voltage is present when brake pedal is depressed.</li> <li>"0 V" is detected when the brake pedal is released.</li> </ul>
Main switch		Non-turbo model: B12 Turbo model: C7	<ul style="list-style-type: none"> <li>"0 V" is present while the main switch is pressed or turned on.</li> <li>Battery voltage is detected when the main switch is turned OFF.</li> </ul>
Ground	GND (CONTROL 1) GND (CONTROL 2)	D2 D1	—
Ignition switch		Non-turbo model: B19 Turbo model: D14	<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)		Non-turbo model: C25 Turbo model: A1	<ul style="list-style-type: none"> <li>"0 V" is present when brake pedal is depressed.</li> <li>Battery voltage is detected when the clutch pedal is released.</li> </ul>
Neutral position switch (MT model)		Non-turbo model: C31 Turbo model: D9	<ul style="list-style-type: none"> <li>"0 V" is detected when the shift lever is in neutral position.</li> <li>"Approx. 5 V" is detected when the shift lever is in neutral position.</li> </ul>
Neutral signal (AT model)		Non-turbo model: C31 Turbo model: D9	<ul style="list-style-type: none"> <li>"Approx. 5 V" (4AT model) or battery voltage (5AT model) is detected when the shift lever is set in any position except "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-170, WIRING DIAGRAM, Cruise Control System.>