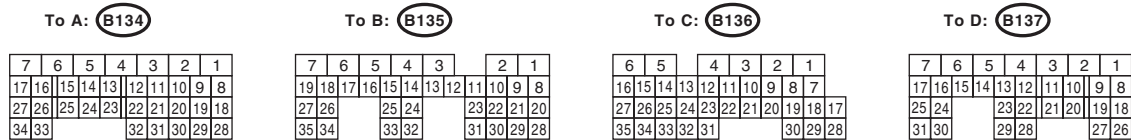


# Engine Control Module (ECM) I/O Signal

## CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

#### A: ELECTRICAL SPECIFICATION



CC-00197

Description		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)	A7 B2	<ul style="list-style-type: none"><li>Battery voltage is present when the main power is turned ON.</li><li>"0 V" is present 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 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)		B20	<ul style="list-style-type: none"><li>Battery voltage is present 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)		B28	<ul style="list-style-type: none"><li>Battery voltage is present when brake pedal is depressed.</li><li>"0 V" is present when the brake pedal is released.</li></ul>
Main switch		B12	<ul style="list-style-type: none"><li>"0 V" is present while the main switch is pressed or turned on.</li><li>"5 V" is present when the main switch is OFF.</li></ul>
Ground	GND (CONTROL 1) GND (CONTROL 2)	A5 D7	—
Ignition switch		B19	<ul style="list-style-type: none"><li>Battery voltage is present when the ignition switch is turned ON.</li><li>"0 V" is present when the ignition switch is turned OFF.</li></ul>
Neutral signal		C31	<ul style="list-style-type: none"><li>Battery voltage is present when shift lever is in other than "P" or "N" position.</li><li>"0 V" is detected when the shift lever is in "P" or "N" position.</li></ul>

#### B: WIRING DIAGRAM

<Ref. to WI-75, WIRING DIAGRAM, Cruise Control System.>