

Engine Control Module (ECM) I/O Signal

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

A: ELECTRICAL SPECIFICATION

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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)	C1 D7	<ul style="list-style-type: none">Battery voltage is detected when the main power is turned ON.“0 V” is detected when the main power is turned OFF.
Command switch		C12	<ul style="list-style-type: none">“0 V” is detected when the command switch is in CANCEL position.“Approx. 1 V” is detected when the command switch is in SET/COAST position.“Approx. 3 V” is detected when the command switch is in RESUME/ACCEL position.“Approx. 4 V” is detected when the command switch is released.
Brake switch 1 (Brake switch)		C15	<ul style="list-style-type: none">Battery voltage is detected when the brake pedal is released.“0 V” is detected when brake pedal is depressed.
Brake switch 2 (Stop light switch)		C3	<ul style="list-style-type: none">Battery voltage is detected when brake pedal is depressed.“0 V” is detected when the brake pedal is released.
Main switch		C13	<ul style="list-style-type: none">“0 V” is detected while the main switch is pressed or turned ON.“5 V” is present when the main switch is OFF.
Ground	GND (CONTROL)	A6	—
Ignition switch		C30	<ul style="list-style-type: none">Battery voltage is detected when the ignition switch is turned ON.“0 V” is detected when the ignition switch is turned OFF.
Neutral signal		C35	<ul style="list-style-type: none">Battery voltage is detected when the shift lever is in any position except for “P” or “N”.“0 V” is detected when the shift lever is in “P” or “N” position.

B: WIRING DIAGRAM

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