

# Engine Control Module (ECM) I/O Signal

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

### A: ELECTRICAL SPECIFICATION

TO A: **(B134)**

7	6	5	4	3	2	1
17	16	15	14	13	12	10
27	26	25	24	23	22	20
34	33	32	31	30	29	28

TO B: **(B135)**

7	6	5	4	3	2	1
19	18	17	16	15	14	13
27	26	25	24	23	22	21
35	34	33	32	31	30	29

TO C: **(B136)**

6	5	4	3	2	1
16	15	14	13	12	11
27	26	25	24	23	22
35	34	33	32	31	30

TO D: **(B137)**

7	6	5	4	3	2	1
17	16	15	14	13	12	10
25	24	23	22	21	20	19
31	30	29	28	27	26	18

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"><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		C12	<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)		C15	<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)		C3	<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		C13	<ul style="list-style-type: none"><li>“0 V” is detected 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)	A6	—
Ignition switch		C30	<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>
Neutral signal		C35	<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-75, WIRING DIAGRAM, Cruise Control System.>