

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	11
27	26	25	24	23	22	21
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	11
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">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.Approx. “5 V” is detected 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.
Clutch switch		B9	<ul style="list-style-type: none">“0 V” is detected when clutch pedal is depressed.Battery voltage is detected when the clutch pedal is released.
Neutral position switch		C35	<ul style="list-style-type: none">Battery voltage is detected when the shift lever is in any position except for neutral.“Approx. 0 V” is detected when the shift lever is in neutral position.

B: WIRING DIAGRAM

<Ref. to WI-163, WIRING DIAGRAM, Cruise Control System.>