

AV CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[NAVIGATION WITHOUT AMPLIFIER]

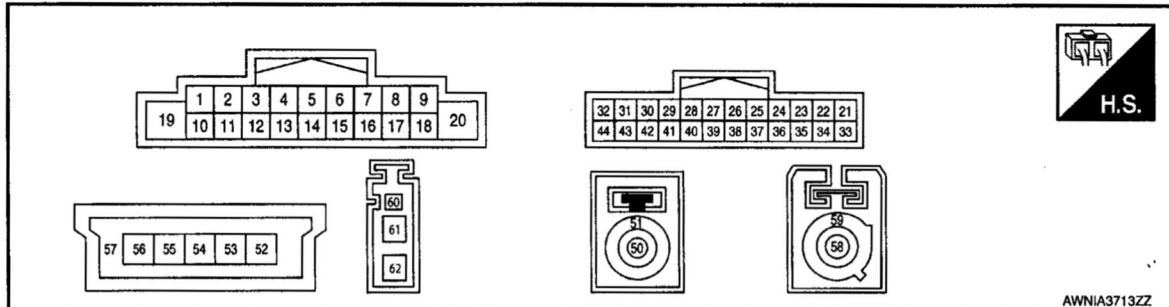
ECU DIAGNOSIS INFORMATION

AV CONTROL UNIT

Reference Value

INFOID:0000000010714356

TERMINAL LAYOUT



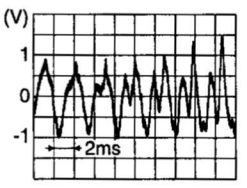
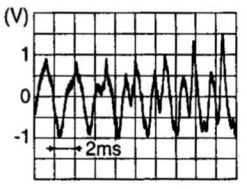

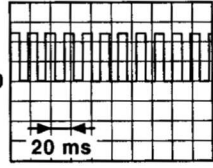
PHYSICAL VALUES

Terminal (Wire color)		Description		Condition		Reference value (Approx.)
+	-	Signal name	Input/ Output	Ignition switch	Operation	
2 (BR)	3 (L)	Sound signal front speaker LH	Output	ON	Sound output	 SKIB3609E
4 (G)	5 (B)	Sound signal rear speaker LH	Output	ON	Sound output	 SKIB3609E
6 (BR)	15 (G)	Steering switch signal A	Input	ON	Press and hold MODE switch.	0 V
					Press and hold Δ switch.	1.34 V
					Press and hold ∇ switch.	2.45 V
					Press and hold switch.	3.43 V
					Except for above.	5.0 V
7 (G/B)	Ground	ACC power supply	Input	ACC	—	Battery voltage
8 (L)	—	CAN high	Input/ Output	—	—	—
9 (R)	44 (GR)	Illumination control signal	Input	ON	Headlamps ON	Battery voltage

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Terminal (Wire color)		Description		Condition		Reference value (Approx.)
+	-	Signal name	Input/ Output	Ignition switch	Operation	
11 (LG)	12 (R)	Sound signal front speaker RH	Output	ON	Sound output	 SKIB3609E
13 (GR)	14 (BG)	Sound signal rear speaker RH	Output	ON	Sound output	 SKIB3609E
16 (W)	15 (G)	Steering switch signal B	Input	ON	Press and hold VOL DOWN switch	0 V
					Press and hold VOL UP switch	1.34 V
					Press and hold  switch	2.45 V
					Except for above	5.0 V
17 (P)	—	CAN low	Input/ Output	—	—	—
18 (SB)	Ground	Vehicle speed signal	Input	ON	When vehicle speed is ap- prox. 40 km/h (25 MPH)	 JSNIA0012GB
19 (Y)	Ground	Battery power supply	Input	OFF	—	Battery voltage
20 (B)	Ground	Ground	—	ON	—	0 V
23 (P)	—	MR output	—	—	—	—
28 (SB)	Ground	Reverse signal	Input	ON	Selector lever in R (re- verse)	Battery voltage
					Selector lever in any posi- tion other than R (reverse)	0 V
30 (B)	—	AUX audio signal LH	Input	—	—	—
31 (R)	—	AUX ground	—	—	—	—
32 (W)	—	AUX audio signal RH	Input	—	—	—
33 (Shield)	Shield	Camera ground	—	—	—	—
34 (G/Y)	—	Camera ON	—	—	—	—

A

B

C

D

E

F

G

H

I

J

K

L

M

AV

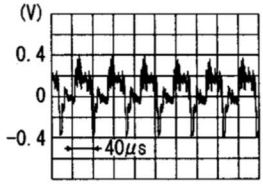
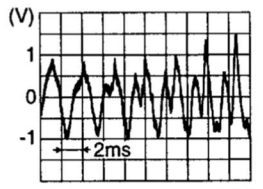
O

P

AV CONTROL UNIT

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Terminal (Wire color)		Description		Condition		Reference value (Approx.)
+	-	Signal name	Input/ Output	Ignition switch	Operation	
36 (B)	35 (W)	Camera image signal	Input	ON	When camera image is displayed	 SKIB2251J
37 (WG)	Ground	Ignition power supply	Input	ON or START	—	Battery voltage
42 (L)	Ground	Microphone power supply	Output	ON	—	5.0 V
43 (P)	41 (Shield)	Microphone signal	Input	ON	While speaking into microphone.	 SKIB3609E
50 (B)	Ground	GPS antenna signal	Input	ON	—	5.0 V
51 (Shield)	—	GPS Shield	—	—	—	—
52 (B)	—	USB ground	—	—	—	—
54 (G)	—	USB D+ signal	—	—	—	—
55 (W)	—	USB D- signal	—	—	—	—
56 (R)	—	V BUS signal	—	—	—	—
57 (Shield)	—	USB shield	—	—	—	—
58 (B)	Ground	Satellite antenna signal	Input	ON	—	5.0 V
59 (Shield)	—	SAT Shield	—	—	—	—
61 (B)	Ground	AM-FM main antenna	Input	ON	—	5.0 V

DTC Index

INFOID:0000000010714357

CONSULT Display	Reference Page
U1000: CAN COMM CIRCUIT	AV-305, "DTC Logic"
U1010: CONTROL UNIT (CAN)	AV-306, "DTC Logic"
U1217: BLUETOOTH MODULE	AV-307, "DTC Logic"
U1229: iPod CERTIFICATION	AV-308, "DTC Logic"
U122F: Digital broadcasting connection error	AV-309, "DTC Logic"
U1244: GPS ANTENNA CONN	AV-310, "DTC Logic"