

PROBLEM SYMPTOMS TABLE

HINT:

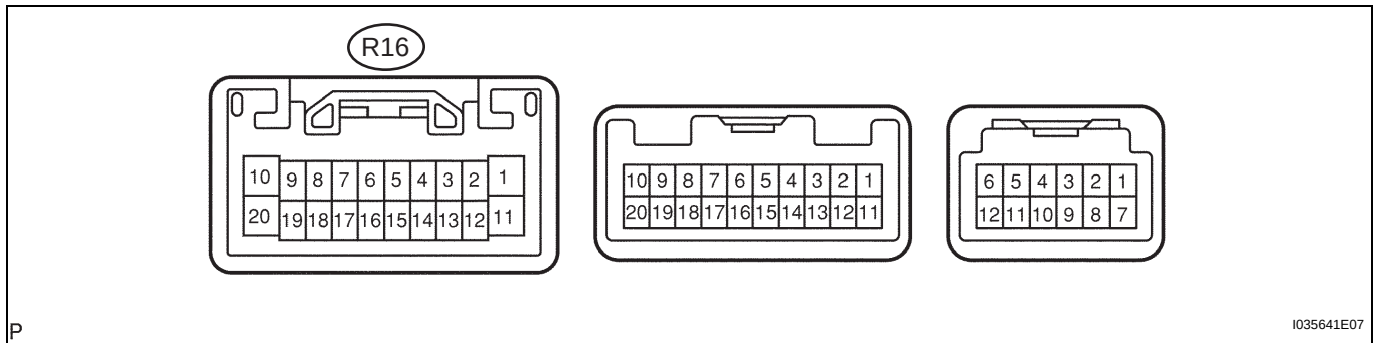
Inspect the "Fuse" and "Relay" before confirming the suspected area as shown in the table below.

RADIO RECEIVER

Symptom	Suspected area	See page
Pressing power switch does not start system.	1. Radio receiver power source circuit	AV-87
	2. Radio receiver	AV-92
Radio receiver cannot be dimmed in night time.	1. Illumination circuit	AV-66
	2. Radio receiver	AV-92
No sound can be heard. (Separate type amplifier)	1. Radio receiver power source circuit	AV-87
	2. Stereo component amplifier power source circuit	AV-89
	3. Sound Signal Circuit between Radio Receiver and Stereo Component Amplifier	AV-75
	4. Speaker circuit	AV-70
	5. AVC-LAN circuit	AV-79
	6. Mute Signal Circuit between Radio Receiver and Stereo Component Amplifier	AV-77
	7. Stereo component amplifier	AV-94
	8. Radio receiver	AV-92
No sound can be heard. (Built-in type amplifier)	1. Radio receiver power source circuit	AV-87
	2. Speaker circuit	AV-70
	3. Radio receiver	AV-92
Sound quality is bad in all modes (volume is too low). (Separate type amplifier)	1. Radio receiver power source circuit	AV-87
	2. Stereo component amplifier power source circuit	AV-89
	3. Speaker circuit	AV-70
	4. Sound Signal Circuit between Radio Receiver and Stereo Component Amplifier	AV-75
	5. Sound quality is bad in all modes	AV-57
Sound quality is bad in all modes (volume is too low). (Built-in type amplifier)	1. Radio receiver power source circuit	AV-87
	2. Speaker circuit	AV-70
	3. Sound quality is bad in all modes	AV-57
Noise occurs. (Separate type amplifier)	1. Noise occurs	AV-55
	2. Stereo component amplifier	AV-94
	3. Radio receiver	AV-92
Noise occurs. (Built-in type amplifier)	1. Noise occurs	AV-55
	2. Radio receiver	AV-92
Radio broadcast cannot be received (bad reception).	Radio Broadcast cannot be Received or Poor Reception	AV-64
CD cannot be inserted / played or CD is ejected right after insertion.	1. Radio receiver power source circuit	AV-87
	2. CD cannot be inserted / played or CD is ejected right after insertion	AV-60
CD cannot be ejected.	1. Radio receiver power source circuit	AV-87
	2. CD cannot be ejected	AV-59
Sound quality is bad only when playing CD (volume is too low).	Sound Quality is Bad Only when CD is Played (Volume is Too Low)	AV-58
CD sound skips.	CD sound Skips	AV-62

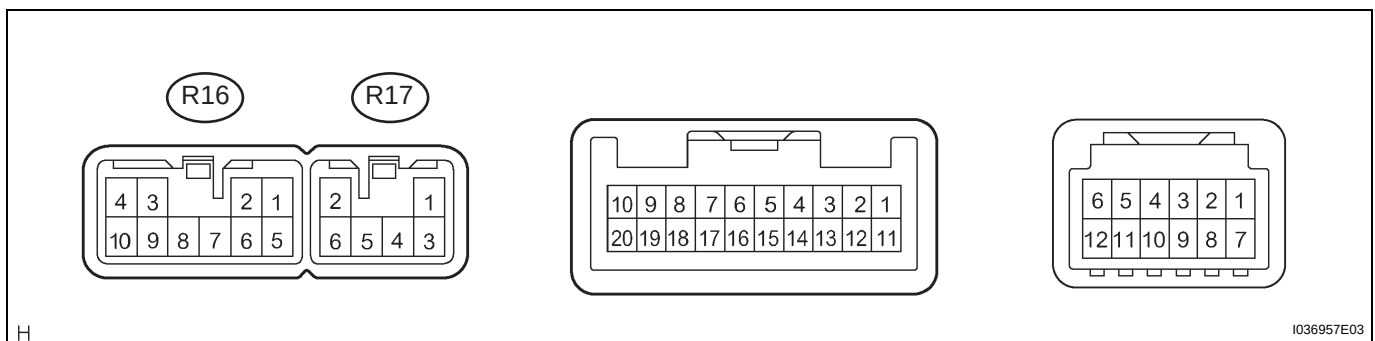
TERMINALS OF ECU

1. RADIO RECEIVER (SEPARATE TYPE AMPLIFIER)



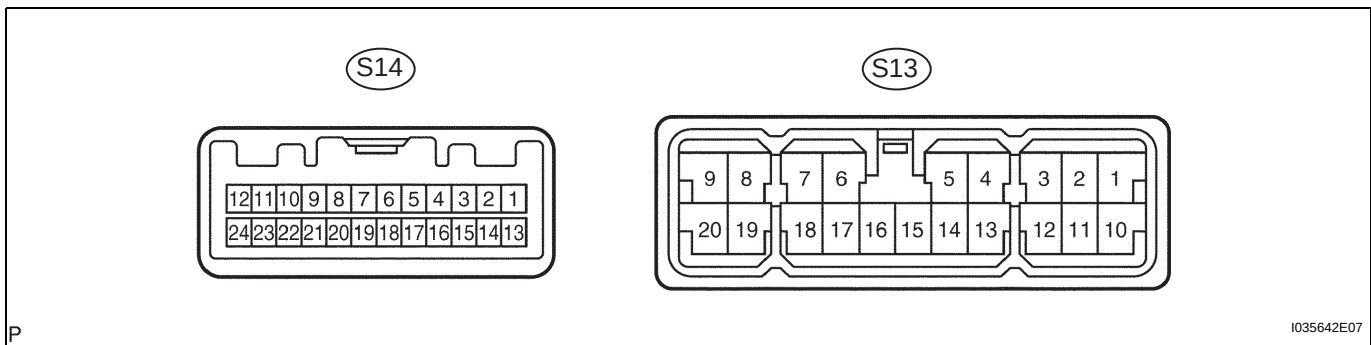
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
B (R16-1) - GND (R16-20)	L-W - BR	Battery	Always	10 to 14 V
ILL+ (R16-2) - GND (R16-20)	G - BR	Illumination (rheostat) signal	Light control switch OFF → TAIL or HEAD (Light intensity is max.)	Below 1 V → 10 to 14 V
TX+ (R16-5) - GND (R16-20)	P - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MUTE (R16-7) - GND (R16-20)	W - BR	MUTE signal	Audio system is playing → changing	Above 3.5 V → Below 1 V
R+ (R16-8) - GND (R16-20)	R - BR	Sound signal (Right)	Audio system is playing	A wave form synchronized with sounds is output
L+ (R16-9) - GND (R16-20)	B - BR	Sound signal (Left)	Audio system is playing	A wave form synchronized with sounds is output
SLD (R16-10) - Body ground	Shielded - Body ground	Shield ground	Always	Below 1 V
ACC (R16-11) - GND (R16-20)	GR - BR	Accessory (ON)	Turn ignition switch OFF → ACC	10 to 14 V
ILL- (R16-12) - GND (R16-20)	W-B - BR	Illumination (rheostat) signal	Light control switch OFF → TAIL or HEAD (Light intensity is not max. or min.)	Below 1 V → Pulse generation
ANT+ (R16-13) - GND (R16-20)	B - BR	Power source of antenna	Radio switch ON and AM or FM	10 to 14 V
TX- (R16-15) - GND (R16-20)	V - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
R- (R16-18) - GND (R16-20)	W - BR	Sound signal (Right)	Audio system is playing	A wave form synchronized with sounds is output
L- (R16-19) - GND (R16-20)	G - BR	Sound signal (Left)	Audio system is playing	A wave form synchronized with sounds is output
GND (R16-20) - Body ground	BR - Body ground	Ground	Always	Below 1 V

2. RADIO RECEIVER (BUILT-IN TYPE AMPLIFIER)



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
FR+ (R16-1) - GND (R16-7)	LG - BR	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
FL+ (R16-2) - GND (R16-7)	P - BR	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
ACC (R16-3) - GND (R16-7)	GR - BR	Accessory (ON)	Turn ignition switch OFF → ACC	Below 1 V → 10 to 14 V
+B (R16-4) - GND (R16-7)	L-W - BR	Battery	Always	10 to 14 V
FR- (R16-5) - GND (R16-7)	L - BR	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
FL- (R16-6) - GND (R16-7)	V - BR	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
GND (R16-7) - Body ground	BR - Body ground	Ground	Always	Below 1 V
ANT+ (R16-8) - GND (R16-7)	B - BR	Power source of antenna	Radio switch ON and AM or FM	10 to 14 V
ILL+ (R16-10) - GND (R16-7)	G - BR	Illumination (rheostat) signal	Light control switch OFF → TAIL or HEAD (Light intensity is max.)	Below 1 V → 10 to 14 V
RR+ (R17-1) - GND (R16-7)	R - BR	Sound signal (Rear Right)	Audio system is playing	A wave form synchronized with sounds is output
RL+ (R17-2) - GND (R16-7)	B - BR	Sound signal (Rear Left)	Audio system is playing	A wave form synchronized with sounds is output
RR- (R17-3) - GND (R16-7)	W - BR	Sound signal (Rear Right)	Audio system is playing	A wave form synchronized with sounds is output
ILL- (R17-5) - GND (R16-7)	W-B - BR	Illumination (rheostat) signal	Light control switch OFF → TAIL HEAD (Light intensity is not max. min.)	Below 1 V → Pulse generation
RL- (R17-6) - GND (R16-7)	Y - BR	Sound signal (Rear Left)	Audio system is playing	A wave form synchronized with sounds is output

3. STEREO COMPONENT AMPLIFIER



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
B+ (S13-1) - GND (S13-16)	L-R - W-B	Battery	Always	10 to 14 V
WF2+ (S13-2) - GND (S13-16)	Y - W-B	Sound signal (Woofer Box)	Audio system is playing	A wave form synchronized with sounds is output
WF1+ (S13-3) - GND (S13-16)	LG - W-B	Sound signal (Woofer Box)	Audio system is playing	A wave form synchronized with sounds is output
RL+ (S13-4) - GND (S13-16)	B - W-B	Sound signal (Rear Left)	Audio system is playing	A wave form synchronized with sounds is output

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
RR+ (S13-5) - GND (S13-16)	R - W-B	Sound signal (Rear Right)	Audio system is playing	A wave form synchronized with sounds is output
TWL+ (S13-6) - GND (S13-16)	R-W - W-B	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
TWR+ (S13-7) - GND (S13-16)	G-W - W-B	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
FL+ (S13-8) - GND (S13-16)	P - W-B	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
FR+ (S13-9) - GND (S13-16)	LG - W-B	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
B2+ (S13-10) - GND (S13-16)	L-R - W-B	Battery	Always	10 to 14 V
WF2- (S13-11) - GND (S13-16)	B - W-B	Sound signal (Woofer Box)	Audio system is playing	A wave form synchronized with sounds is output
WF1- (S13-12) - GND (S13-16)	L - W-B	Sound signal (Woofer Box)	Audio system is playing	A wave form synchronized with sounds is output
RL- (S13-13) - GND (S13-16)	Y - W-B	Sound signal (Rear Left)	Audio system is playing	A wave form synchronized with sounds is output
RR- (S13-14) - GND (S13-16)	W - W-B	Sound signal (Rear Right)	Audio system is playing	A wave form synchronized with sounds is output
GND2 (S13-15) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
GND (S13-16) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
TWL- (S13-17) - GND (S13-16)	L-W - W-B	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
TWR- (S13-18) - GND (S13-16)	BR - W-B	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
FL- (S13-19) - GND (S13-16)	V - W-B	Sound signal (Front Left)	Audio system is playing	A wave form synchronized with sounds is output
FR- (S13-20) - GND (S13-16)	L - W-B	Sound signal (Front Right)	Audio system is playing	A wave form synchronized with sounds is output
MUTE (S14-1) - GND (S13-16)	W - W-B	Mute signal from radio receiver	Audio system is playing → changing	Above 3.5 V → Below 3.5 V
L- (S14-2) - GND (S13-16)	G - W-B	Sound signal from radio receiver (Left)	Audio system is playing	A wave form synchronized with sounds is output
L+ (S14-3) - GND (S13-16)	B - W-B	Sound signal from radio receiver (Left)	Audio system is playing	A wave form synchronized with sounds is output
R- (S14-4) - GND (S13-16)	W - W-B	Sound signal from radio receiver (Right)	Audio system is playing	A wave form synchronized with sounds is output
R+ (S14-5) - GND (S13-16)	R - W-B	Sound signal from radio receiver (Right)	Audio system is playing	A wave form synchronized with sounds is output
TX- (S14-7) - GND (S13-16)	V - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (S14-8) - GND (S13-16)	P - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ACC (S14-12) - GND (S13-16)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC	Below 1 V → 10 to 14 V