

PROBLEM SYMPTOMS TABLE

HINT:

Inspect the fuse and relay before confirming the suspected area as shown in the table below.

Radio receiver assembly

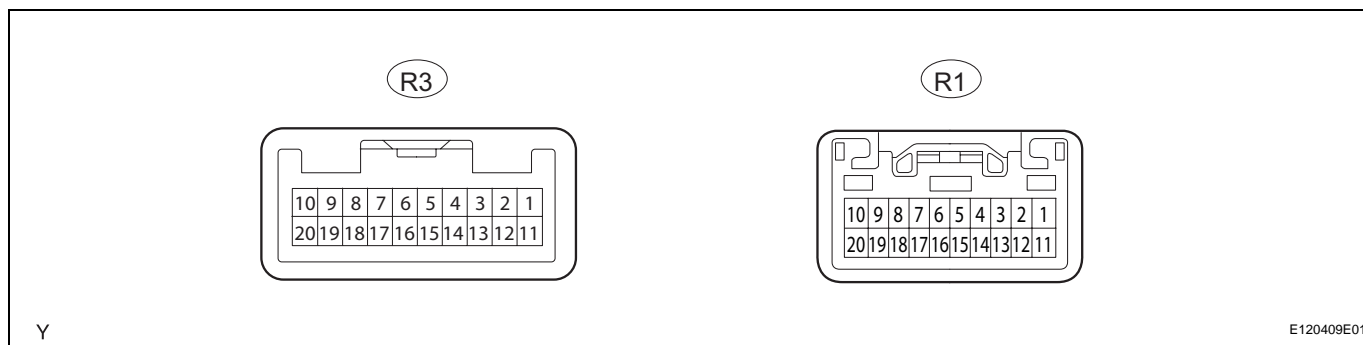
Symptom	Suspected area	See page
Pressing power switch does not start system	1. Power source circuit (radio receiver assembly)	AV-64
	2. Radio receiver assembly	AV-69
Radio receiver cannot be dimmed at night	1. Illumination circuit	AV-40
	2. Radio receiver assembly	AV-69
No sound can be heard (Separate amplifier)	1. Power source circuit (radio receiver assembly)	AV-64
	2. Power source circuit (stereo component amplifier assembly)	AV-66
	3. AMP sound signal circuit	AV-58
	4. Speaker circuit	AV-47
	5. AVC-LAN circuit	AV-62
	6. AMP mute signal circuit	AV-56
	7. Stereo component amplifier assembly	AV-90
	8. Radio receiver assembly	AV-69
No sound can be heard (Build-in amplifier)	1. Power source circuit (radio receiver assembly)	AV-64
	2. Speaker circuit	AV-47
	3. Radio receiver assembly	AV-69
Sound quality is bad in all modes (volume is too low) (Separate amplifier)	1. Power source circuit (radio receiver assembly)	AV-64
	2. Power source circuit (stereo component amplifier assembly)	AV-66
	3. Speaker circuit	AV-47
	4. AMP sound signal circuit	AV-58
	5. Sound quality is bad in all modes (volume is too low)	AV-28
Sound quality is bad in all modes (volume is too low) Built-in amplifier	1. Power source circuit (radio receiver assembly)	AV-64
	2. Speaker circuit	AV-47
	3. Sound quality is bad in all modes (volume is too low)	AV-28
Noise occurs	Noise occurs	AV-27
Radio broadcast cannot be received (bad reception)	Radio broadcast cannot be received (bad reception)	AV-35
CD cannot be inserted or is ejected immediately after insertion	1. Power source circuit (radio receiver assembly)	AV-64
	2. CD cannot be inserted or is ejected immediately after insertion	AV-31
CD cannot be eject	1. Power source circuit (radio receiver assembly)	AV-64
	2. CD cannot be ejected	AV-30
Sound quality is bad only when playing CD (volume is too low)	Sound quality is bad only when playing CD (volume is too low)	AV-29
CD sound skips	CD sound skips	AV-33

Steering pad switch

Symptom	Suspected area	See page
Audio system cannot be operated with steering pad switch	1. Steering pad switch circuit	AV-37
	2. Radio receiver assembly	AV-69

TERMINALS OF ECU

1. RADIO RECEIVER ASSEMBLY (SEPARATE AMPLIFIER)



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
SWG (R3-6) - Body ground	W-R - Body ground	Steering pad switch ground	Always	Below 1 Ω
SW1 (R3-7) - GND (R1-20)	V-W - BR	Steering pad switch signal	Steering pad switch not operating	4 V or more
			Seek+ switch pushed	Approx. 0.5 V
			Seek- switch pushed	Approx. 0.9 V
			VOL+ switch pushed	Approx. 2.0 V
SW2 (R3-8) - GND (R1-20)	Y-B - BR	Steering pad switch signal	VOL- switch pushed	Approx. 3.4 V
			Steering pad switch not operating	4 V or more
MODE switch pushed				Below 2.5 V
B (R1-1) - GND (R1-20)	L-Y - BR	Battery	Always	10 to 14 V
TX+ (R1-5) - GND (R1-20)	O - BR	AVC-LAN communication signal	Ignition switch ACC	2 to 3 V
MUTE (R1-7) - GND (R1-20)	V - BR	Mute signal	Audio system is playing	Above 3.5 V
			Audio system is playing	Below 1 V
R+ (R1-8) - GND (R1-20)	B - BR	Sound signal (Right)	Audio system is playing	Waveform synchronized with sounds is output.
L+ (R1-9) - GND (R1-20)	R - BR	Sound signal (Left)	Audio system is playing	Waveform synchronized with sounds is output.
SGND (R1-10) - Body ground	Shielded - Body ground	Shielded ground	Always	Below 1 Ω
ACC (R1-11) - GND (R1-20)	GR - BR	Accessory (ON)	Ignition switch OFF	Below 1 V
			Ignition switch ON	10 to 14 V
TX- (R1-15) - GND (R1-20)	R-W - BR	AVC-LAN communication signal	Ignition switch ACC	2 to 3 V
R- (R1-18) - GND (R1-20)	W - BR	Sound signal (Right)	Audio system is playing	Waveform synchronized with sounds is output
L- (R1-19) - GND (R1-20)	G - BR	Sound signal (Left)	Audio system is playing	Waveform synchronized with sounds is output
GND (R1-20) - Body ground	BR - Body ground	Ground	Always	Below 1 Ω

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2. RADIO RECEIVER ASSEMBLY (BUILT-IN AMPLIFIER)

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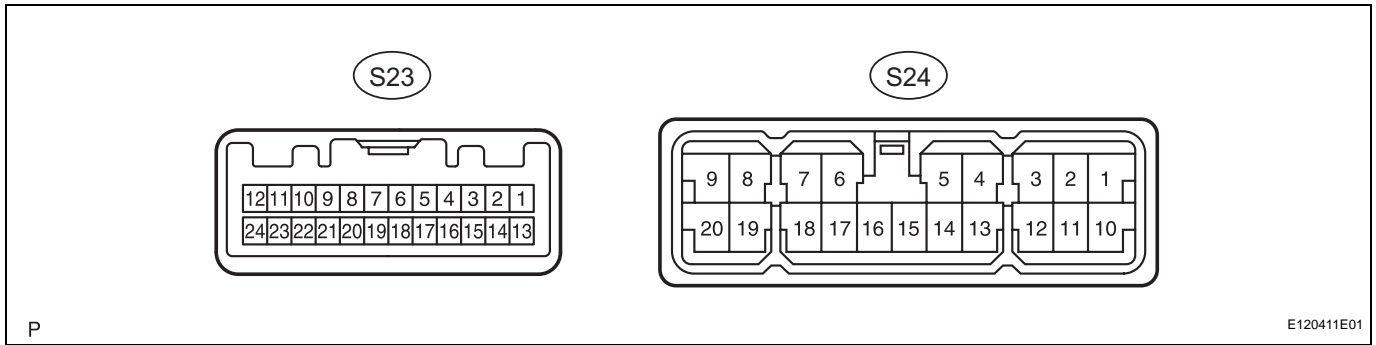


Y

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Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
SWG (R3-6) - Body ground	W-R - Body ground	Steering pad switch ground	Always	Below 1 Ω
SW1 (R3-7) - GND (R1-7)	V-W - BR	Steering pad switch signal	Steering pad switch not operating	4 V or more
			Seek+ switch pushed	Approx. 0.5 V
			Seek- switch pushed	Approx. 0.9 V
			VOL+ switch pushed	Approx. 2.0 V
SW2 (R3-8) - GND (R1-7)	Y-B - BR	Steering pad switch signal	Steering pad switch not operating	4 V or more
			MODE switch pushed	Below 2.5 V
FR+ (R1-1) - GND (R1-7)	LG - BR	Sound signal (Front right)	Audio system is playing	Waveform synchronized with sounds is output
FL+ (R1-2) - GND (R1-7)	P - BR	Sound signal (Front left)	Audio system is playing	Waveform synchronized with sounds is output
ACC (R1-3) - GND (R1-7)	GR - BR	Accessory (ON)	Ignition switch OFF	Below 1 V
			Ignition switch ON	10 to 14 V
B (R1-4) - GND (R1-7)	L-Y - BR	Battery	Always	10 to 14 V
FR- (R1-5) - GND (R1-7)	L - BR	Sound signal (Front right)	Audio system is playing	Waveform synchronized with sounds is output.
FL- (R1-6) - GND (R1-7)	V - BR	Sound signal (Front left)	Audio system is playing	Waveform synchronized with sounds is output.
GND (R1-7) - Body ground	BR - Body ground	Ground	Always	Below 1 Ω
RR+ (R2-1) - GND (R1-7)	R - BR	Sound signal (Rear right)	Audio system is playing	Waveform synchronized with sounds is output.
RL+ (R2-2) - GND (R1-7)	B - BR	Sound signal (Rear left)	Audio system is playing	Waveform synchronized with sounds is output.
RR- (R2-3) - GND (R1-7)	W - BR	Sound signal (Rear right)	Audio system is playing	Waveform synchronized with sounds is output.
RL- (R2-6) - GND (R1-7)	Y - BR	Sound signal (Rear left)	Audio system is playing	Waveform synchronized with sounds is output.

3. STEREO COMPONENT AMPLIFIER ASSEMBLY



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Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (S24-1) - GND (S24-15)	W-L - BR	Battery	Always	10 to 14 V
WFR+ (S24-3) - GND (S24-15)	L-B - BR	Sound signal (Woofer)	Audio system is playing	Waveform synchronized with sounds is output
WFL+ (S24-2) - GND (S24-15)	BR - BR	Sound signal (Woofer)	Audio system is playing	Waveform synchronized with sounds is output
RL+ (S24-4) - GND (S24-15)	B - BR	Sound signal (Rear left)	Audio system is playing	Waveform synchronized with sounds is output
RR+ (S24-5) - GND (S24-15)	R - BR	Sound signal (Rear right)	Audio system is playing	Waveform synchronized with sounds is output
FL+ (S24-6) - GND (S24-15)	P - BR	Sound signal (Front left)	Audio system is playing	Waveform synchronized with sounds is output
FR+ (S24-7) - GND (S24-15)	LG - BR	Sound signal (Front right)	Audio system is playing	Waveform synchronized with sounds is output
+B2 (S24-10) - GND (S24-15)	W-L - BR	Battery	Always	10 to 14 V
WFR- (S24-12) - GND (S24-15)	L-R - BR	Sound signal (Woofer)	Audio system is playing	Waveform synchronized with sounds is output
WFL- (S24-11) - GND (S24-15)	G-W - BR	Sound signal (Woofer)	Audio system is playing	Waveform synchronized with sounds is output
RL- (S24-13) - GND (S24-15)	Y - BR	Sound signal (Rear left)	Audio system is playing	Waveform synchronized with sounds is output
RR- (S24-14) - GND (S24-15)	W - BR	Sound signal (Rear right)	Audio system is playing	Waveform synchronized with sounds is output
GND (S24-15) - Body ground	BR - Body ground	Ground	Always	Below 1 Ω
E (S24-16) - Body ground	BR - Body ground	Ground	Always	Below 1 Ω
FL- (S24-17) - GND (S24-15)	V - BR	Sound signal (Front left)	Audio system is playing	Waveform synchronized with sounds is output
FR- (S24-18) - GND (S24-15)	L - BR	Sound signal (Front right)	Audio system is playing	Waveform synchronized with sounds is output
MUTE (S23-1) - GND (S24-15)	V - BR	Mute signal from radio receiver	Audio system is playing Audio system is changing	Above 3.5 V Below 1 V
L- (S23-2) - GND (S24-15)	G - BR	Sound signal (Left)	Audio system is playing	Waveform synchronized with sounds is output
L+ (S23-3) - GND (S24-15)	R - BR	Sound signal (Left)	Audio system is playing	Waveform synchronized with sounds is output
R- (S23-4) - GND (S24-15)	W - BR	Sound signal (Right)	Audio system is playing	Waveform synchronized with sounds is output
R+ (S23-5) - GND (S24-15)	B - BR	Sound signal (Right)	Audio system is playing	Waveform synchronized with sounds is output
SGND (S23-6) - Body ground	Shield - Body ground	Shielded ground	Always	Below 1 Ω
TX- (S23-7) - GND (S24-15)	R-W - BR	AVC-LAN communication signal	Ignition switch ACC	2 to 3 V
TX+ (S23-8) - GND (S24-15)	O - BR	AVC-LAN communication signal	Ignition switch ACC	2 to 3 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ACC (S23-12) - GND (S23-15)	GR - BR	Accessory (ON)	Ignition switch OFF	Below 1 V
			Ignition switch ON	10 to 14 V

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