

# AUDIO SYSTEM

## System Description

### RADIO WAVE BAND

The radio wave bands used in radio broadcasting are as follows:

Frequency	30 kHz	300 kHz	3 MHz	30 MHz	300 MHz
Designation	LF	MF	HF	VHF	
Radio wave		AM ↔		FM ↔	
Modulation method	Amplitude modulation			Frequency modulation	

LF: Low Frequency

MF: Medium Frequency

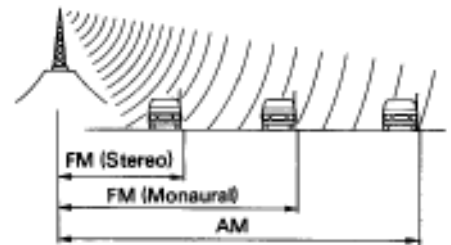
HF: High Frequency

VHF: Very High Frequency

### SERVICE AREA

There are great differences in the size of the service area for AM, FM monaural, and FM stereo broadcasting. Thus it may happen that FM broadcasts cannot be received even though AM comes in very clearly.

Not only does FM stereo have the smallest service area, but it also picks up static and other types of interference ("noise") easily.



BE2818

### RECEPTION PROBLEMS

Besides the problem of static, there are also the problems called "fading", "multipath" and "fade out". These problems are caused not by electrical noise but by the nature of the radio waves themselves.

#### Fading

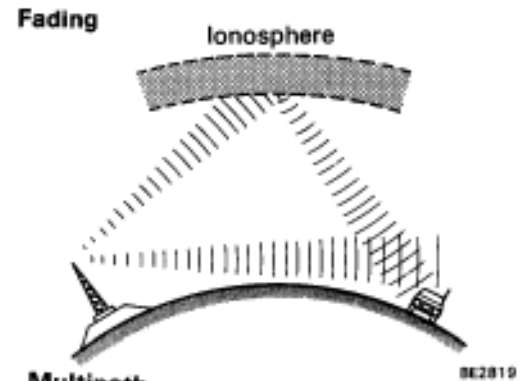
Besides electrical interference, AM broadcasts are also susceptible to other types of interference, especially at night. This is because AM radio waves bounce off the ionosphere at night. These radio waves then interfere with the signals from the same transmitter that reach the vehicle's antenna directly. This type of interference is called "fading".

#### Multipath

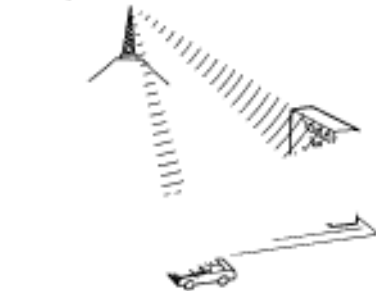
One type of interference caused by the bouncing of radio waves off of obstructions is called "multipath". Multipath occurs when a signal from the broadcast transmitter antenna bounces off of buildings and mountains and interferes with the signal that is received directly.

#### Fade Out

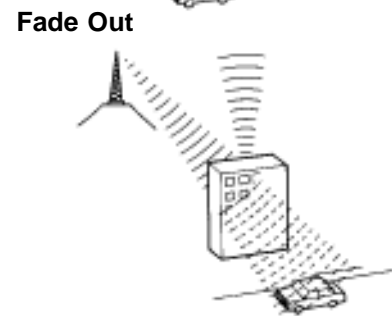
Because FM radio waves are of higher frequencies than AM radio waves, they bounce off of buildings, mountains, and other obstructions. For this reason, FM signals often seem to gradually disappear or fade away as the vehicle goes behind a building or other obstruction. This is called "fade out".



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BE2821

## MAINTENANCE OF TAPE PLAYER

### Head Cleaning

Using a moist-type cleaning tape, clean the head surface, pinch rollers and capstans.

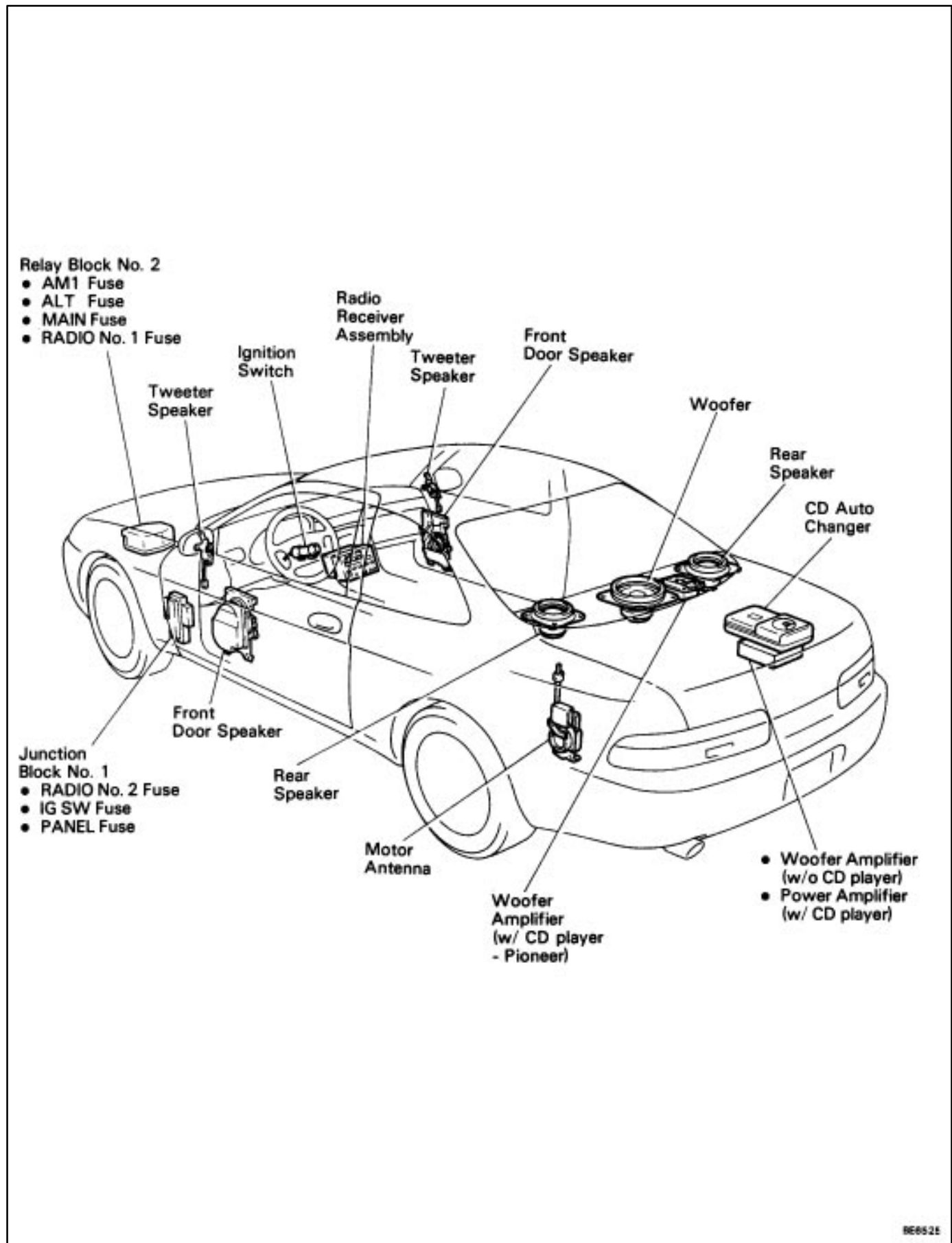
## COMPACT DISC PLAYER

Compact Disc (hereafter called "CD") players use a laser beam pick-up to read the digital signals recorded on the CD and reproduce analog signals of the music, etc. There are 4.7 in. (12 cm) and 3.2 in. (8 cm) CD available, but it is recommended that you do not use 3.2 in. (8 cm) discs in the CD auto changer.

HINT: Never attempt to disassemble or oil any part of the player unit. Do not insert any object other than a disc into the magazine.

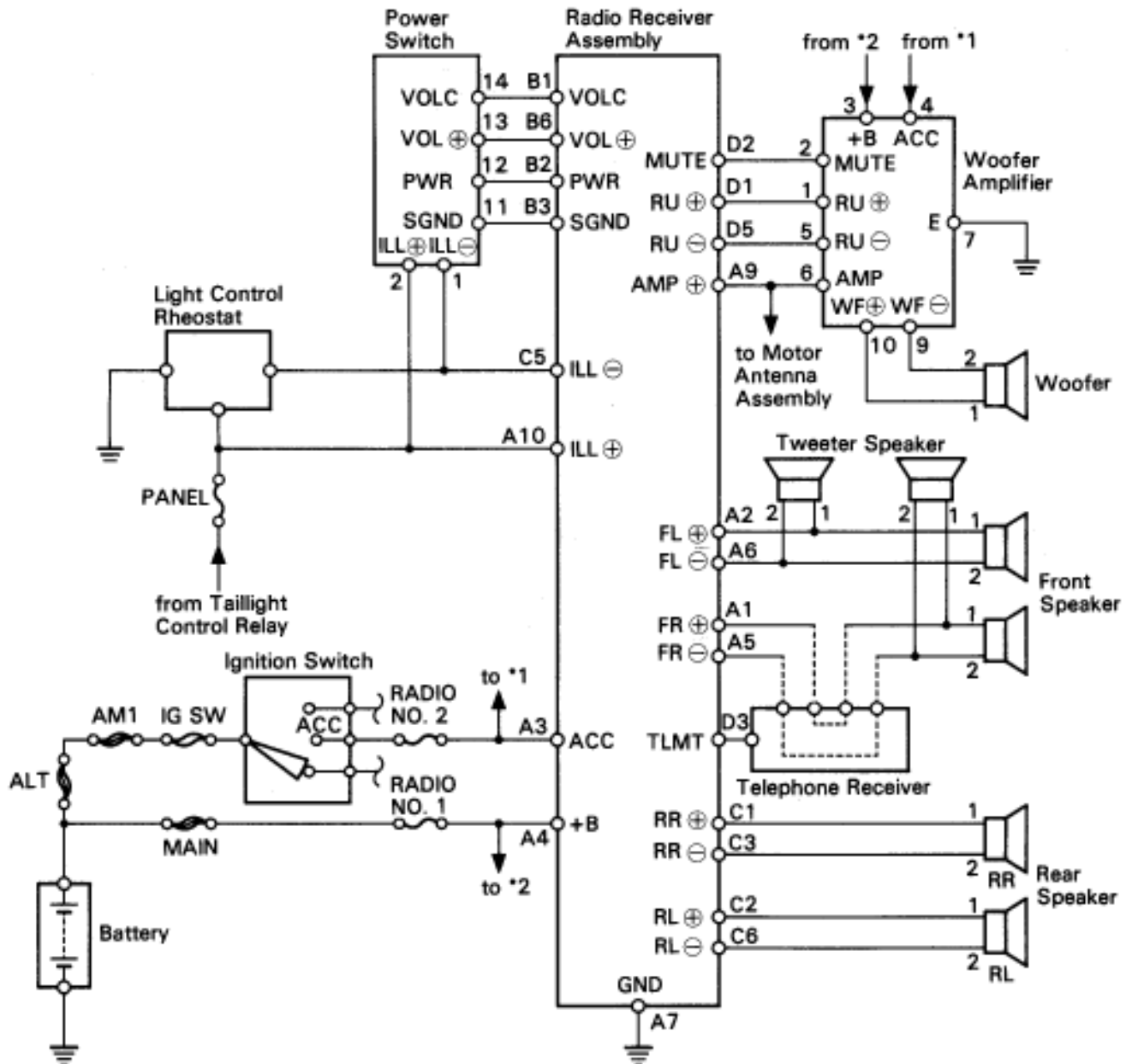
**NOTICE: CD players use on invisible laser laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.**

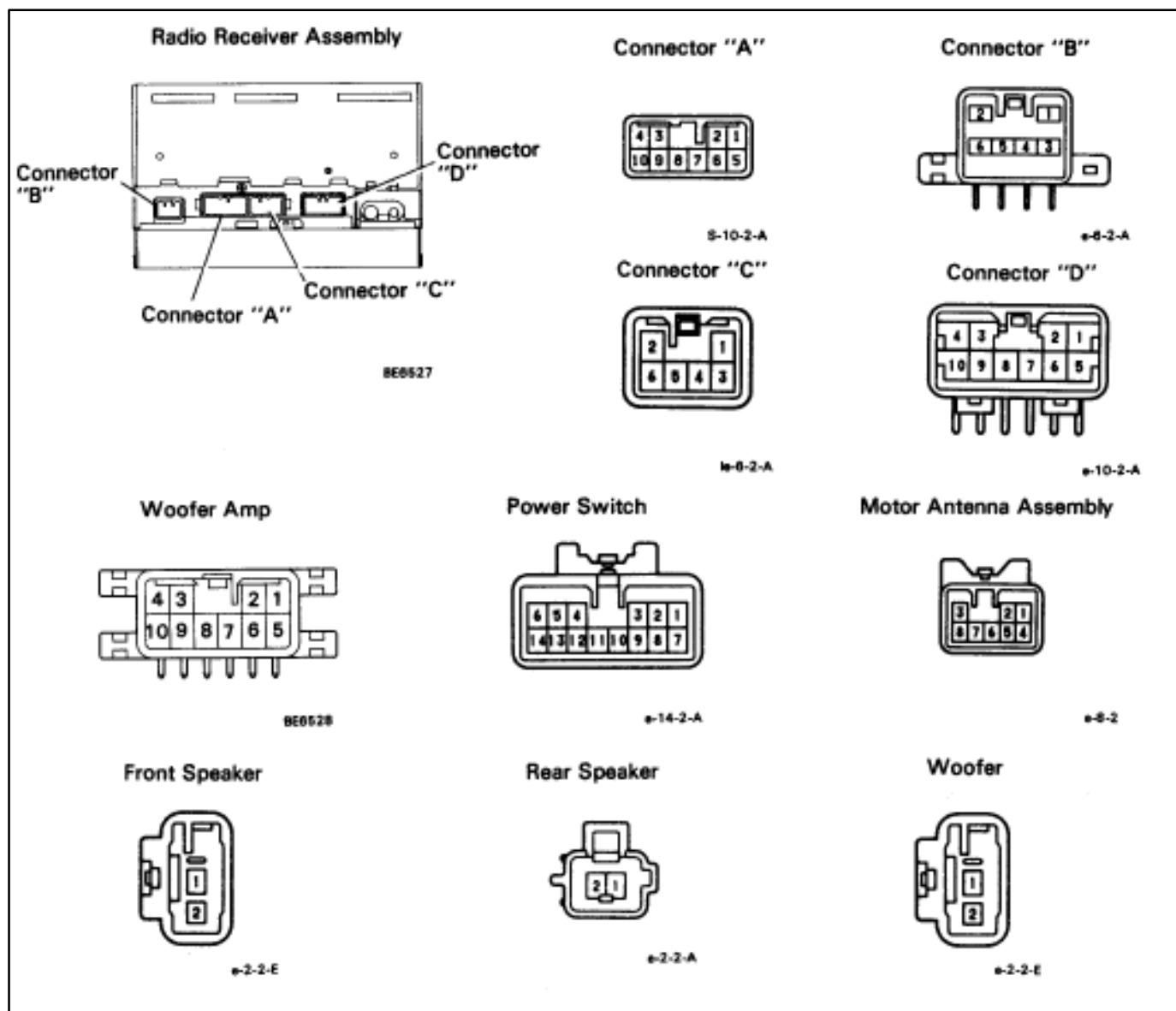
## Parts Location



# Wiring and Connector Diagrams

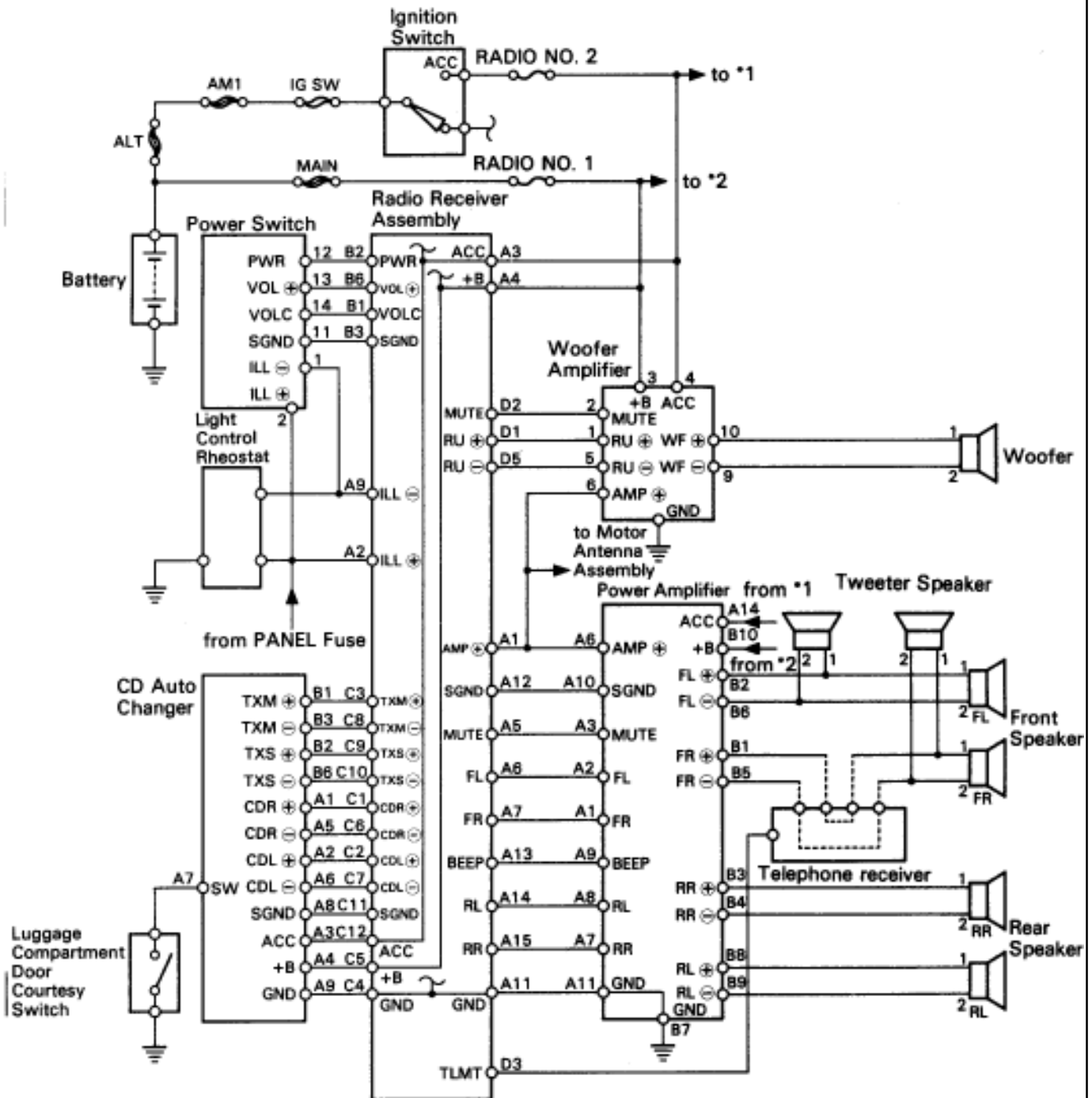
Without CD player



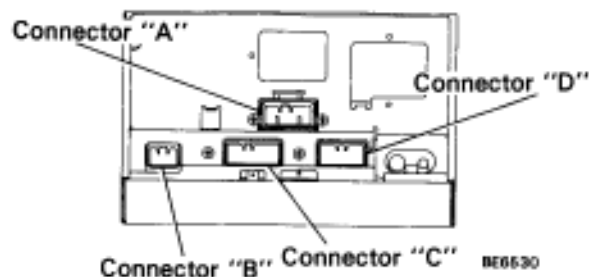


# Wiring and Connector Diagrams

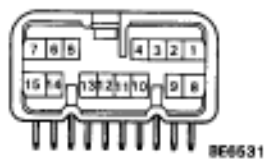
with CD player - Pioneer



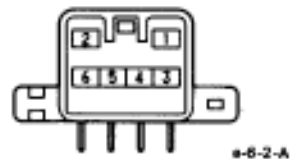
## Radio Receiver Assembly



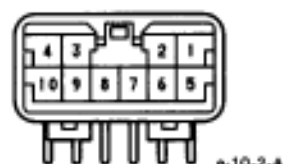
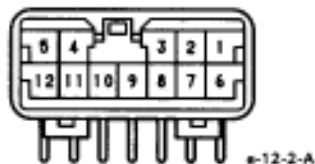
## Connector "A"



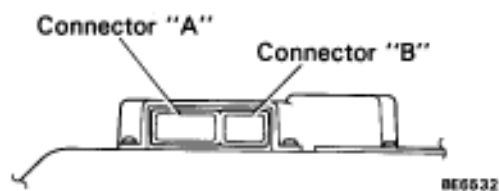
## Connector "B"



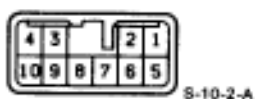
## Connector "C"



## CD Auto Changer



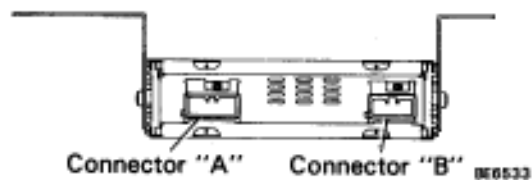
## Connector "A"



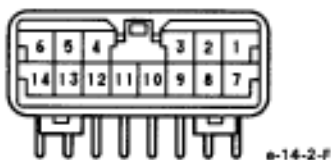
## Connector "B"



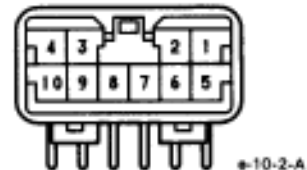
## Power Amplifier



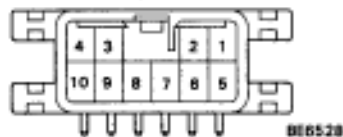
## Connector "A"



## Connector "B"



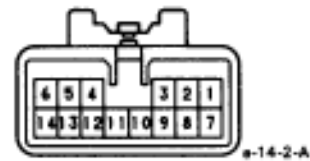
## Woofer Amplifier



## Motor Antenna Assembly



## Power Switch



## Front Speaker



## Rear Speaker

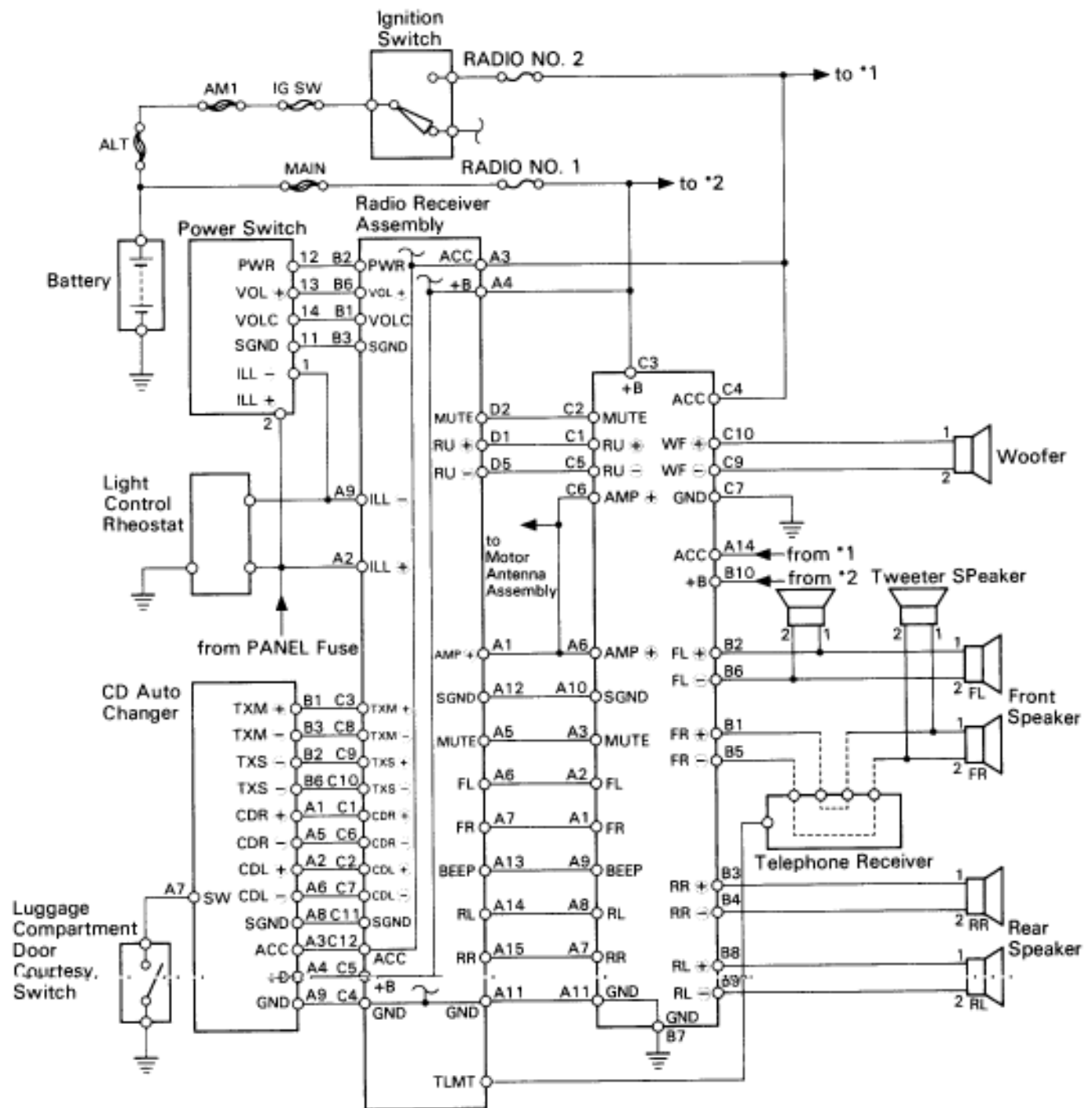


## Woofer Speaker



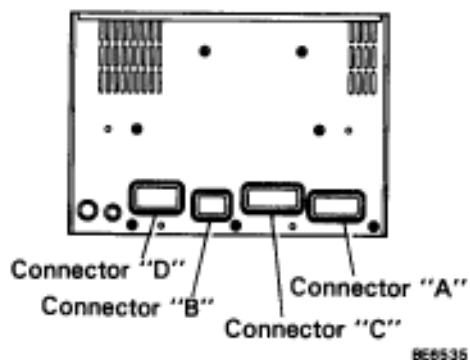
# Wiring and Connector Diagrams

with CD player - Nakamichi



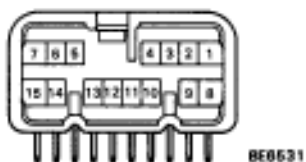


## Radio Receiver Assembly



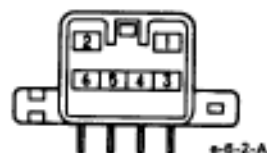
BE6535

## Connector "A"



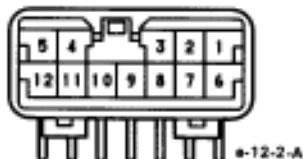
BE6531

## Connector "B"



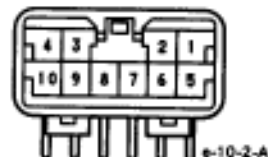
e-6-2-A

## Connector "C"



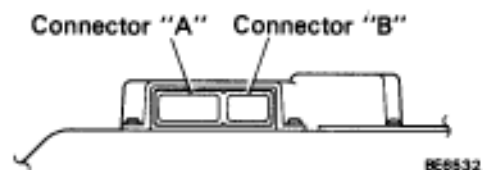
e-12-2-A

## Connector "D"



e-10-2-A

## CD Auto Changer



BE6532

## Connector "A"



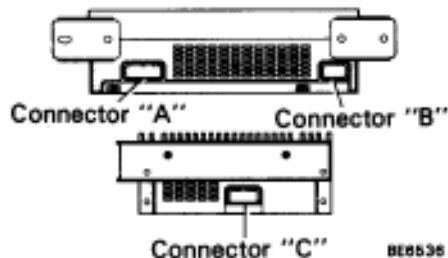
S-10-2-A

## Connector "B"



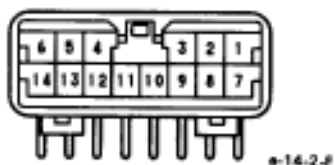
S-6-2-E

## Power Amplifier



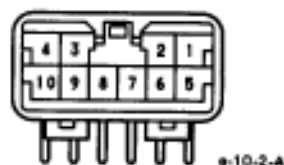
BE6536

## Connector "A"



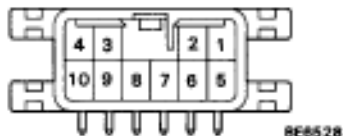
e-14-2-F

## Connector "B"



e-10-2-A

## Connector "C"



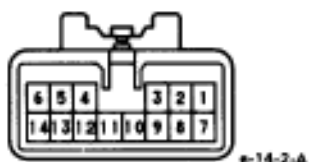
BE6528

## Antenna Motor



e-6-2

## Power Switch



e-14-2-A

## Front Speaker



e-2-2-E

## Rear Speaker



e-2-2-A

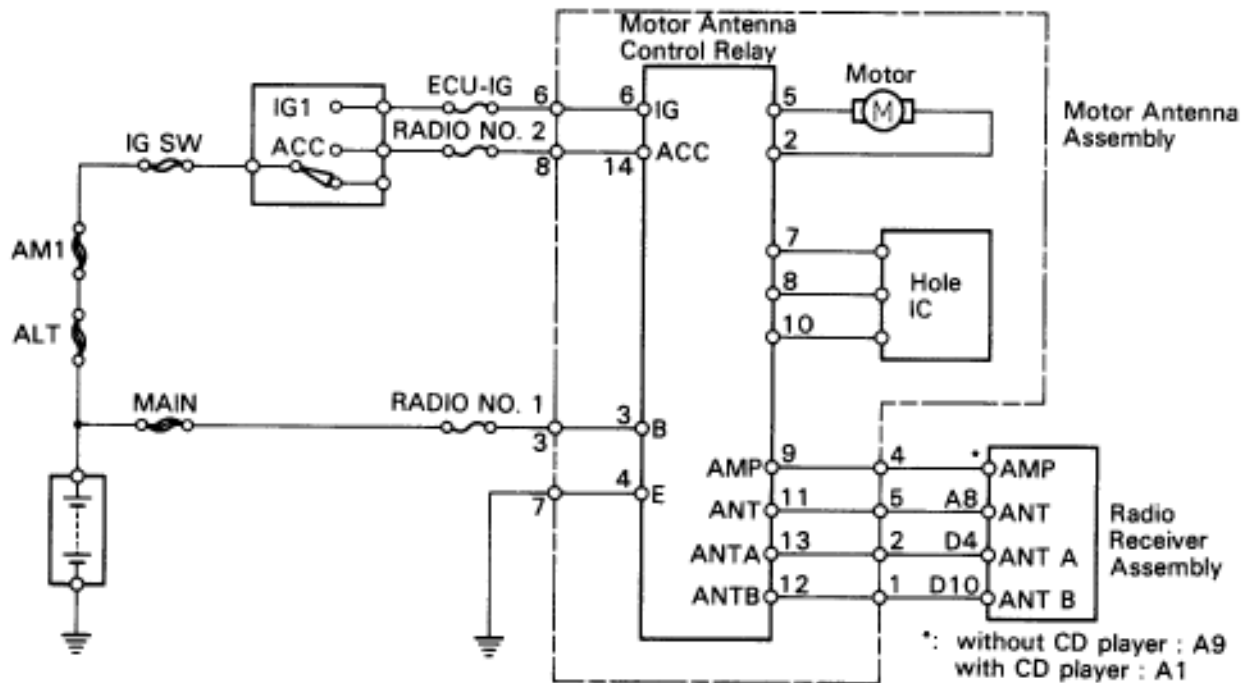
## Woofer



e-2-2-E

# Wiring and Connector Diagrams

## Motor Antenna



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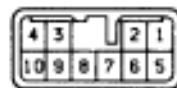
Motor Antenna Assembly



e-8-2

Radio Receiver Assembly  
without CD player

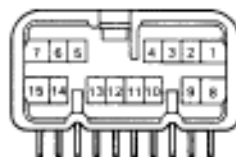
Connector "A"



S-10-2-A

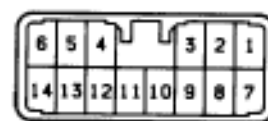
with DC player

Connector "A"



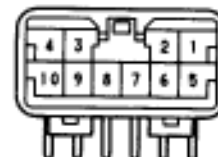
8E6531

Motor Antenna Control Relay



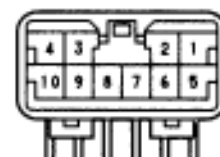
S-14-2-B

Connector "D"



e-10-2-A

Connector "D"



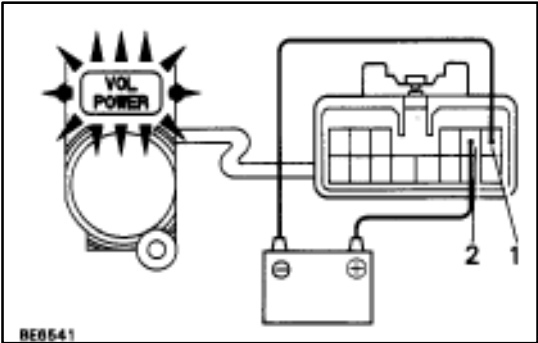
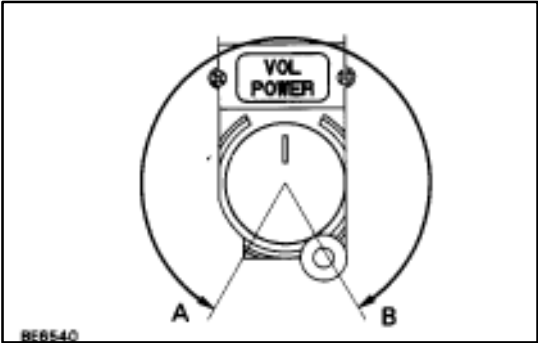
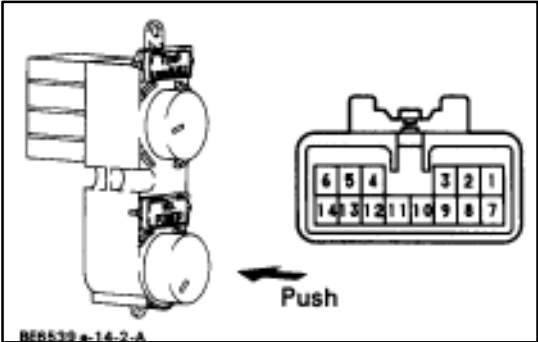
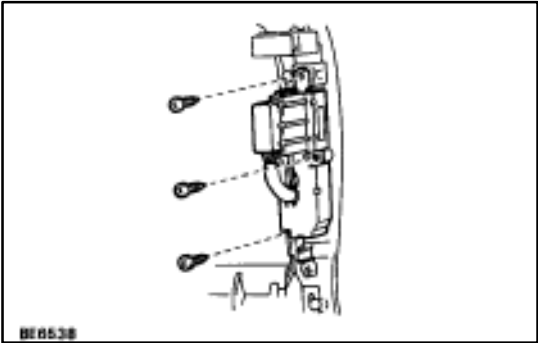
e-10-2-A

# Parts Inspection

## (Power Switch)

### REMOVAL AND INSTALLATION OF POWER SWITCH

- 1. REMOVAL CONTROL PANEL
  - (a) Remove the console upper panel.  
(See BO section)
  - (b) Remove three screws and the control panel.
- 2. INSTALL CONTROL PANEL
  - For installation, follow the removal procedure in reverse.



### INSPECTION OF POWER SWITCH

#### INSPECT POWER SWITCH

(Continuity)  
Inspect continuity between terminals.

Terminal	11	12
Switch position		
OFF (Power switch released)		
ON (Power switch pushed in)		

If continuity is not as specified, replace the control panel.

(Resistance)  
Inspect resistance between terminals.

Tester connection	Condition	Specified value
11-13	Constant	Approx. 50 k $\Omega$
11-14	Switch knob A B	Approx. 0 50 k $\Omega$

If resistance is not as specified, replace the control panel.

#### (Illumination)

Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the illumination light lights up.  
If the illumination light does not light up, replace the control panel.

**Wire Harness Side**

S-14-1-A

**(Circuit)**

Disconnect the control panel connector and inspect the connector on wire harness side as shown.

Check for	Tester connection	Condition		Specified value
Voltage	2–Ground	Light control switch position	TAIL or HEAD	Battery voltage
			OFF	No voltage

If circuit is not as specified, refer to [BE-199](#), 201, 203 wiring diagrams and inspect the circuits connected to other parts.

## (Radio Receiver Assembly)

### REMOVAL AND INSTALLATION OF RADIO RECEIVER ASSEMBLY

(See page [BO-112](#))

### INSPECTION OF RADIO RECEIVER ASSEMBLY

#### INSPECT RADIO RECEIVER ASSEMBLY

**(Circuit)**

Disconnect the connectors from the radio receiver assembly. And inspect the connector on the wire harness side as shown.

(without CD player)

**Wire Harness Side**

S-10-1-A

Connector "A"



S-6-1

Connector "B"



Ie-6-1-A

Connector "C"



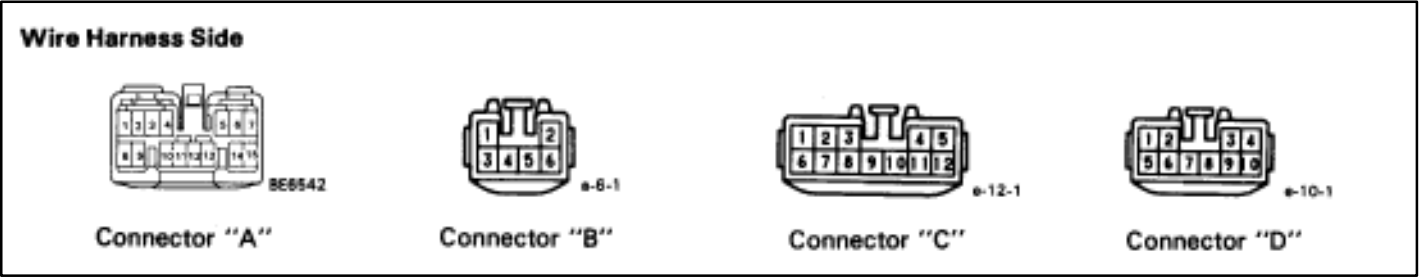
S-10-1

Connector "D"

Check for	Tester connection	Condition		Specified value
Continuity	A7–Ground	Constant		Continuity
Voltage	A4–Ground	Constant		Battery voltage
			ACC or ON	Battery voltage
	A3–Ground	Ignition switch position	LOCK	No voltage
			TAIL or HEAD	Battery voltage
	A10–Ground	Light control switch position	OFF	No voltage

If circuit is not as specified, refer to [BE-199](#) wiring diagrams and inspect the circuits connected to other parts.

(With CD player)



Check for	Tester connection	Condition		Specified value
Voltage	A4–Ground	Constant		Battery voltage
	A3–Ground	Ignition switch position	ACC or ON	Battery voltage
			LOCK	No voltage
	A2–Ground	Light control switch position	TAIL or HEAD	Battery voltage
			OFF	No voltage

If circuit is not as specified, refer to [BE-201](#) , 203 wiring diagrams and inspect the circuits connected to other parts.  
HINT: Check the wire harness between radio receiver assembly and the CD auto changer, between radio receiver assembly and power amplifier, in accordance with the wiring diagrams in [BE-201](#) , 203.

(Front Door Speaker)

REMOVAL AND INSTALLATION OF FRONT DOOR SPEAKER

(See page [BO-35](#))

(Tweeter)

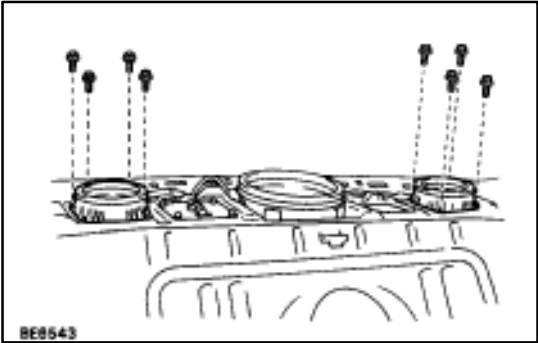
REMOVAL AND INSTALLATION OF TWEETER

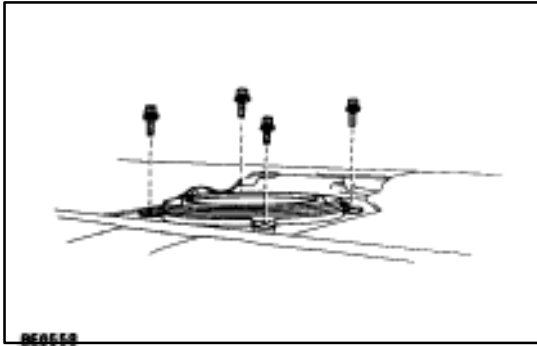
(See page [BO-34](#))

(Rear Speaker)

REMOVAL AND INSTALLATION OF REAR SPEAKER

1. REMOVE REAR SPEAKER
- (a) Remove the package tray trim.  
HINT: (See page [BO-124](#))
- (b) Remove eight bolts.
- (c) Disconnect connectors and remove the rear speaker.
2. INSTALL REAR SPEAKER
- For installation, follow the removal procedure in reverse.





## (Woofer)

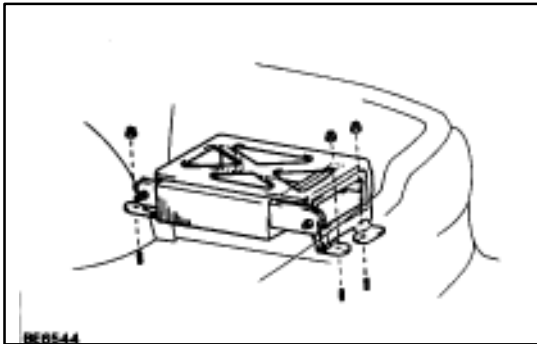
### REMOVAL AND INSTALLATION OF WOOFER

#### 1. REMOVE WOOFER

- (a) Remove woofer cover together with high mount stop light.
- (b) Remove four bolts.
- (c) Disconnect connector and remove woofer.

#### 2. INSTALL WOOFER

For installation follow the removal procedure in reverse.



## (Woofer Amplifier)

### REMOVAL AND INSTALLATION OF WOOFER AMPLIFIER

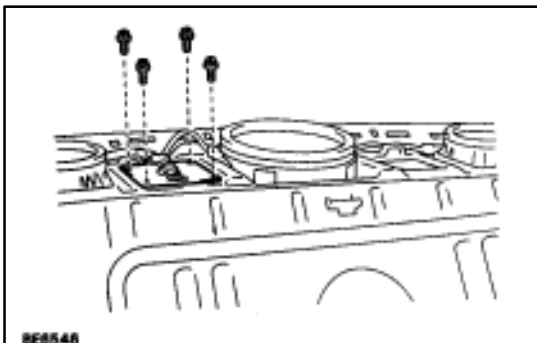
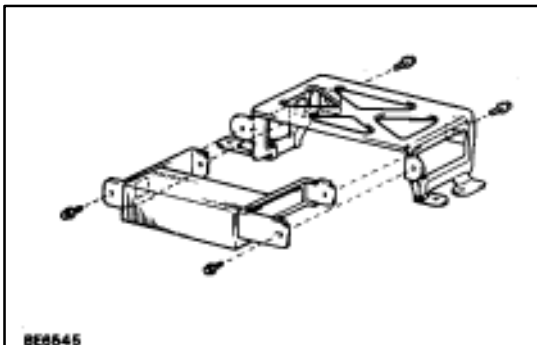
(without CD player)

#### 1. REMOVE WOOFER AMPLIFIER

- (a) Remove the RH side cover.
- (b) Disconnect the connector and remove three nuts and the woofer amplifier with the bracket.
- (c) Remove four bolts and the woofer amplifier.

#### 2. INSTALL WOOFER AMPLIFIER

For installation, follow the removal procedure in reverse.



(with CD player–Pioneer)

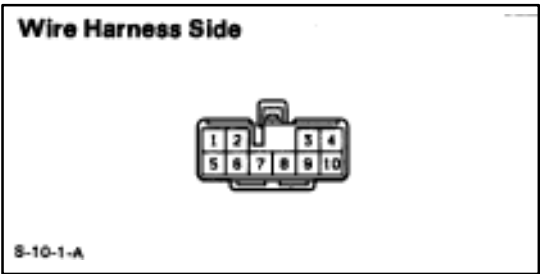
#### 1. REMOVE WOOFER AMPLIFIER

- (a) Remove the package tray trim.  
HINT: (See page [BO-124](#))
- (b) Remove four bolts.

(c) Disconnect the connector and remove the woofer amplifier.

2. **INSTALL WOOFER AMPLIFIER**

For installation, follow the removal procedure in reverse.



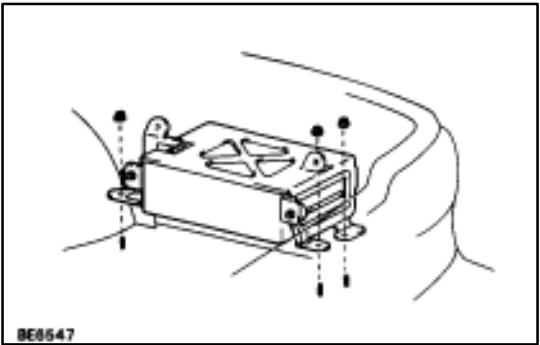
**INSPECTION OF WOOFER AMPLIFIER**  
**INSPECT WOOFER AMPLIFIER**

**(Circuit)**

Disconnect the connector from woofer amplifier and inspect the connector on the wire harness side as shown.

Check for	Tester connection	Condition		Specified value
Continuity	7–Ground	Constant		Continuity
Voltage	3–Ground	Constant		Battery voltage
	4–Ground	Ignition switch position	ACC or ON	Battery voltage
	6–Ground		LOCK	No voltage

If circuit is not as specified, refer to [BE-201](#) wiring diagrams and inspect the circuits connected to other parts.



**(Power Amplifier)**  
**REMOVAL AND INSTALLATION OF POWER AMPLIFIER**

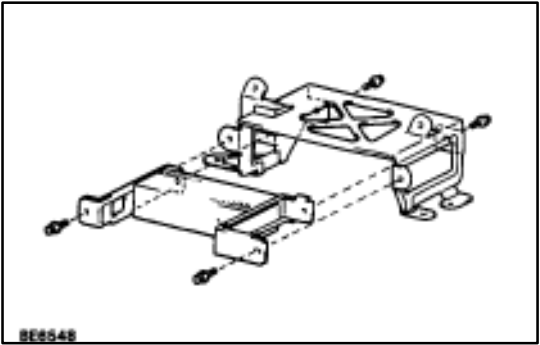
**(Pioneer)**

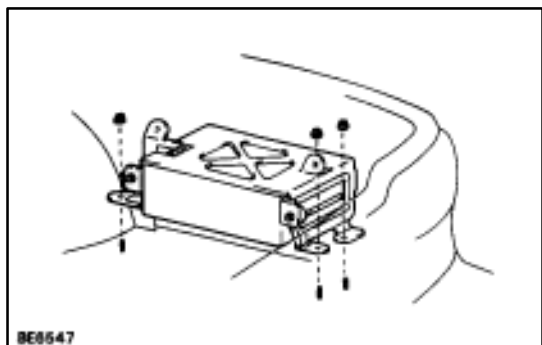
1. **REMOVE POWER AMPLIFIER**

- (a) Remove the RH side cover.
- (b) Remove the CD auto changer (See page [BE-212](#)).
- (c) Disconnect two connectors and remove three nuts and the power amplifier with the bracket.
- (d) Remove four bolts and the power amplifier.

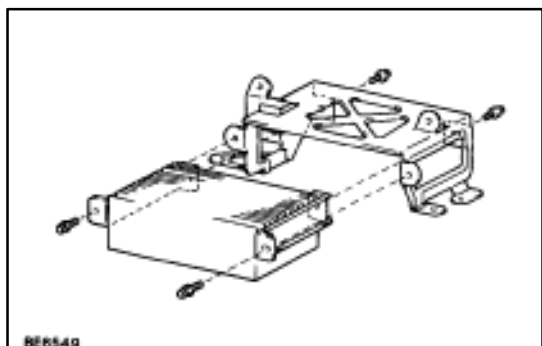
2. **INSTALL POWER AMPLIFIER**

For installation, follow the removal procedure in reverse.



**(Nakamichi)****1. REMOVE POWER AMPLIFIER**

- (a) Remove the RH side cover.
- (b) Remove the CD auto changer (See page [BE-212](#)).
- (c) Disconnect three connectors and remove three nuts and the power amplifier with the bracket.



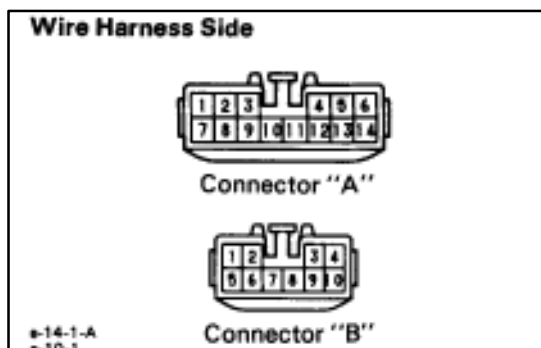
- (d) Remove four bolts and the power amplifier.

**2. INSTALL WOOFER AMPLIFIER**

For installation follow the removal procedure in reverse.

**INSPECTION OF POWER AMPLIFIER****INSPECT POWER AMPLIFIER****(Circuit)**

Disconnect the connector from power amplifier and inspect the connector on the wire harness side as shown.

**(Pioneer)**


Check for	Tester connection	Condition		Specified value
Continuity	B7–Ground	Constant		Continuity
Voltage	B10–Ground	Constant		Battery voltage
	A14–Ground A6–Ground	Ignition switch position	ACC or ON	Battery voltage
			LOCK	No voltage

If circuit is not as specified, refer to [BE-201](#) wiring diagrams and inspect the circuits connected to other parts.




(Nakamichi)

Wire Harness Side




a-14-1-A

Connector "A"



e-10-1

Connector "B"



S-10-1-A

Connector "C"

Check for	Tester connection	Condition		Specified value
Continuity	B7–Ground C7–Ground	Constant		Continuity
Voltage	B10–Ground C3–Ground	Constant		Battery voltage
	A6–Ground A14–Ground C4–Ground C6–Ground	Ignition switch position	ACC or ON	Battery voltage
			LOCK	No voltage

If circuit is not as specified, refer to [BE-203](#) wiring diagrams and inspect the circuits connected to other parts.

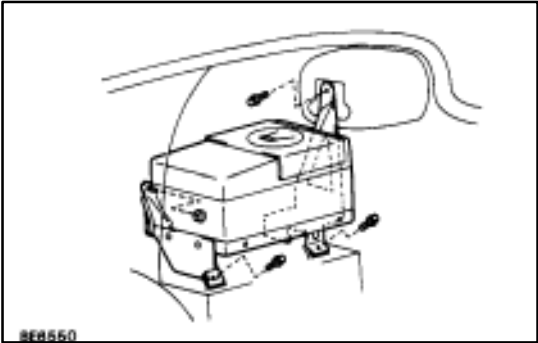
(CD Auto Changer)

REMOVAL AND INSTALLATION OF CD AUTO CHANGER


1. REMOVE CD AUTO CHANGER
- (a) Remove RH side cover.

(b) Disconnect two connectors.


(c) Remove three bolts, one nut and the CD auto changer.



Wire Harness Side



Connector "A"



Connector "B"

S-10-1-A  
S-6-1-E

INSPECTION OF CD AUTO CHANGER

INSPECT CD AUTO CHANGER

(Circuit)

Disconnect connectors from CD auto changer and inspect the connector on the wire harness side as shown.

Check for	Tester connection	Condition		Specified value
Voltage	A4–Ground	Constant		Battery voltage
	A3–Ground	Ignition switch position	ACC or ON	Battery voltage
			LOCK	No voltage
Continuity	A7–Ground	Luggage compartment door courtesy switch	Push (OFF)	No continuity
			Free (ON)	Continuity

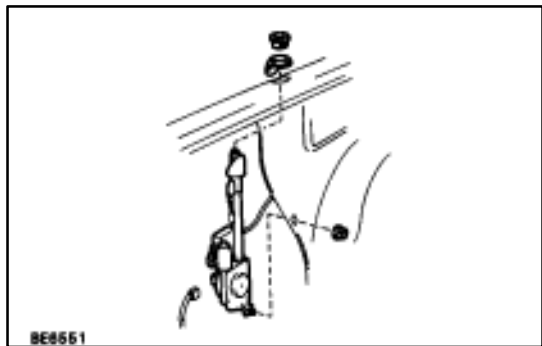
If circuit is not as specified, refer to [BE-201](#), 203 wiring diagrams and inspect the circuits connected to other parts.

**HINT:**

- Check the wire harness between the radio receiver assembly and the CD auto changer in accordance with the wiring diagrams in [BE-201](#), 203.
- Since the signals to and from the CDL+, CDL–, CDR+, CDR–, TXM+, TXM–, TXS+ and TXS– terminals are serial signals, they cannot ordinarily be measured with a tester.

## (Luggage Compartment Door Courtesy Switch)

(See page [BE-82](#))



## (Motor Antenna)

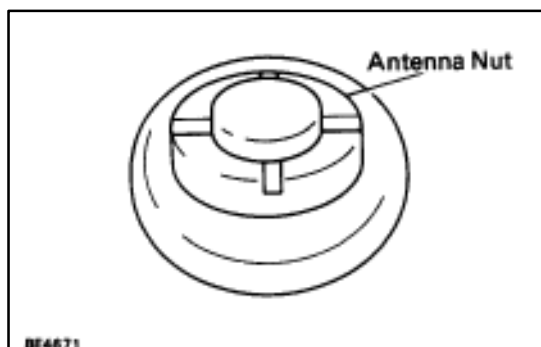
### REMOVAL AND INSTALLATION OF MOTOR ANTENNA

#### 1. REMOVE MOTOR ANTENNA

- (a) Remove the antenna nut.
- (b) Remove the LH side cover.
- (c) Disconnect the motor antenna connector and the antenna cord.
- (d) Remove the nut and the motor antenna assembly.

#### 2. INSTALL MOTOR ANTENNA

- (a) Install the antenna nut.
- (b) Connect the motor antenna connector and the antenna cord.
- (c) Install the nut.

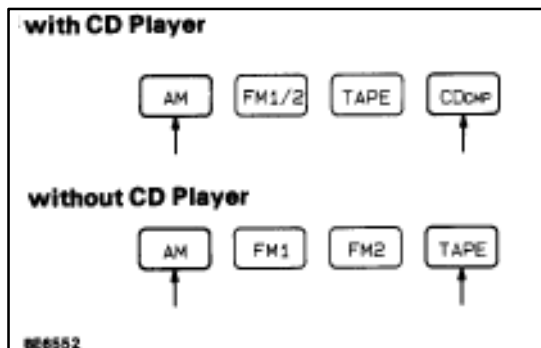


### REMOVAL AND INSTALLATION OF ANTENNA ROD

#### 1. REMOVE ANTENNA ROD

HINT: Perform this operation with the battery negative (–) cable connected to the battery terminal.

- (a) Turn the ignition switch to "LOCK" position.
- (b) Remove the antenna nut.



(c-1) with DC player

Press the "AM" and "CD" buttons on the radio receiver, and simultaneously turn the ignition switch to "ACC" position.

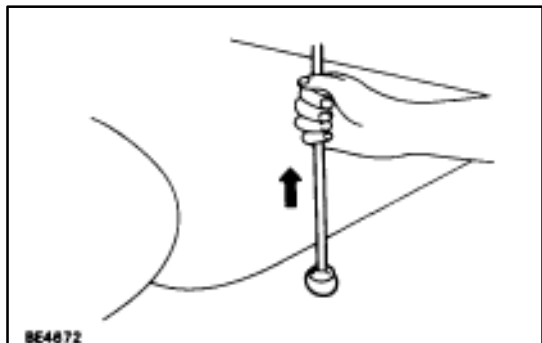
(c-2) without CD player

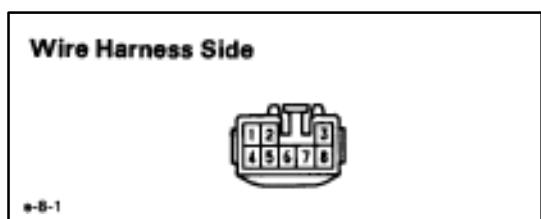
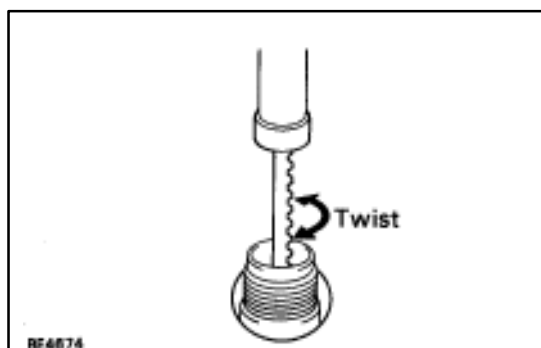
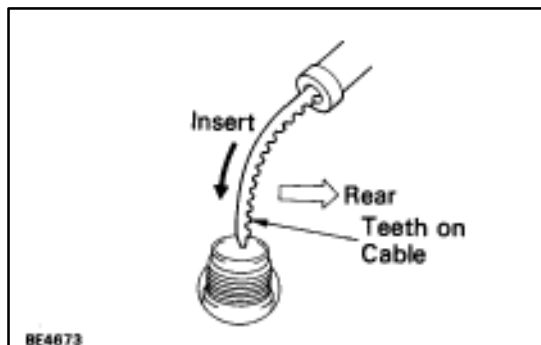
Press the "AM" and "TAPE" buttons on the radio receiver, and simultaneously turn the ignition switch to "ACC" position.

HINT:

- The rod will extend fully and be released from the motor antenna.
- After removing the antenna rod, leave the ignition switch at "ACC".

**NOTICE:** To prevent body damage when the antenna rod is released, hold the rod while it comes out.





## 2. INSTALL ANTENNA ROD

(a) Insert the cable of the rod until it reaches the bottom.

HINT:

- When inserting the cable, the teeth on the cable must face toward the rear of the vehicle.
- Insert the cable approx. 400 mm.

(b) Wind the cable to retract the rod by turning the ignition switch to "LOCK" position.

HINT:

- If the ignition switch is already in "LOCK" position, perform step 1.
  - In case the cable is not wound, twist it as shown in the illustration.
  - Even if the rod has not retracted fully, install the antenna nut and inspect the antenna rod operation. It will finally retract fully.
- (c) Inspect the antenna rod operation by pushing the radio wave band select buttons.

## INSPECTION OF MOTOR ANTENNA

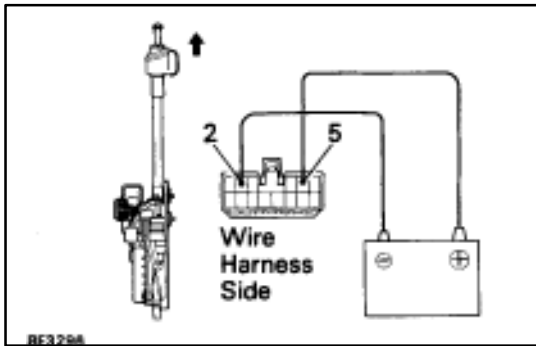
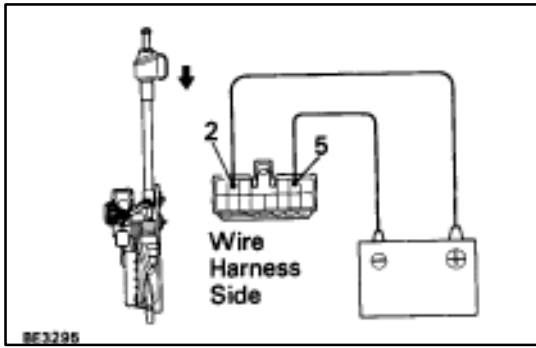
### 1. INSPECT MOTOR ANTENNA

(Circuit)

Disconnect the motor antenna connector from the body wire harness and inspect the connector on body wire harness side as shown.

Check for	Tester connection	Condition		Specified value
Continuity	7-Ground	Constant		Continuity
Voltage	3-Ground	Constant		Battery voltage
	8-Ground	Ignition switch position	ACC or ON	Battery voltage
			LOCK	No voltage
	6-Ground	Ignition switch position	ON	Battery voltage
			ACC or LOCK	No voltage
	2-Ground	Ignition switch ACC or ON	Radio or Tape or CD switch ON	Battery voltage
			Radio or Tape or CD switch OFF	No voltage
	5-Ground	Ignition switch ACC or ON	Radio switch ON	Battery voltage
			Radio switch OFF	No voltage
	4-Ground	Ignition switch ACC or ON and radio switch ON	AM or FM (87.9 – 96.0 MHz)	Battery voltage
			Others	No voltage
	1-Ground	Ignition switch Acc or ON and radio switch ON	AM	Battery voltage
			Others	No voltage

If circuit is not as specified, inspect radio or wire harness.  
If circuit is as specified, replace motor antenna.



## 2. INSPECT ANTENNA MOTOR

- (a) Install antenna nut.
- (b) Disconnect connector from the motor antenna control relay.
- (c) Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 5 on the wire harness side connector.
- (d) Check that the motor turns (moves upward).
- (e) Then, reverse the polarity, check that the motor turns the opposite way (moves downward).

**NOTICE: These tests must be performed quickly (within 4–8 seconds) to prevent the coil from burning out.**

**NOTICE: These tests must be performed quickly (within 4–8 seconds) to prevent the coil from burning out.**

HINT: When the motor is normal, lower the antenna to the lower most position.

If operation is not as specified, replace the antenna motor assembly.

## (Glass Printed Antenna)

### INSPECTION OF GLASS PRINTED ANTENNA

#### 1. INSPECT GLASS PRINTED ANTENNA

(Use same procedure as for "INSPECT DEFOGGER WIRES" on page [BE-173](#).)

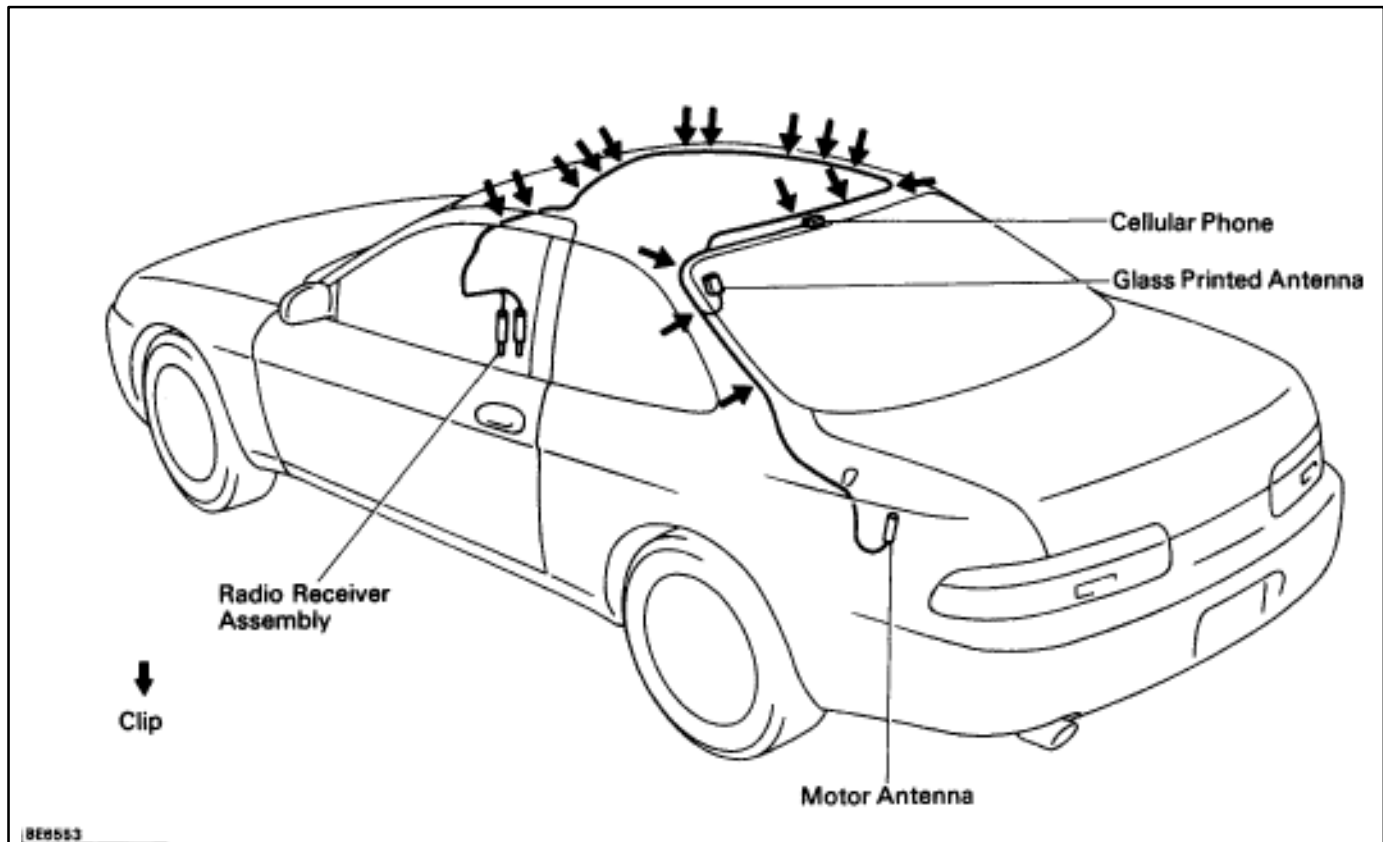
#### 2. REPAIR GLASS PRINTED ANTENNA

(Use same procedure as for "REPAIR DEFOGGER WIRES" on page [BE-174](#).)

## (Antenna Cord)

### REMOVAL AND INSTALLATION OF ANTENNA CORD

#### 1. REMOVE ANTENNA CORD



#### (a) Remove the following parts:

- Instrument panel assembly
- Right front pillar garnish
- Roof headlining
- Roof side inner garnish
- Right center pillar garnish
- Right rear pillar garnish
- Package tray trim
- Room partition trim
- Luggage compartment RH cover
- Luggage compartment trim front cover

HINT: (See BO-section.)

- (b) Remove antenna cord from motor antenna and glass printed antenna.
- (c) Disconnect the connectors shown in the figure.
- (d) Remove the clips and antenna cord assembly.

#### 2. INSTALL ANTENNA CORD

For installation follow the removal procedure in reverse.

## Troubleshooting

**NOTICE:** When replacing the internal mechanism (computer part) of the audio system, be careful that no part of your body or clothing comes in contact with the terminals of the leads from the IC, etc. of the replacement part (spare part).

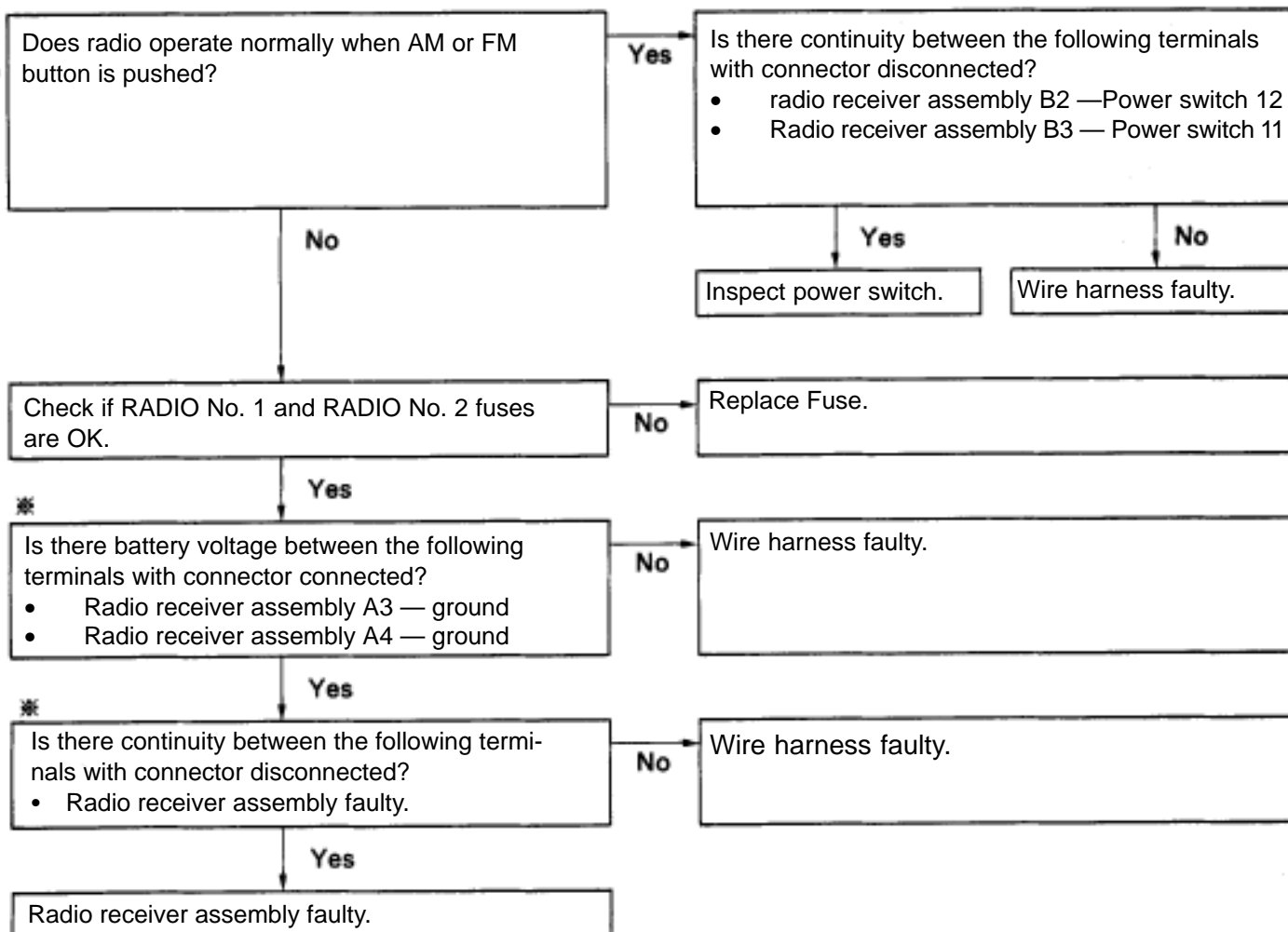
**HINT:**

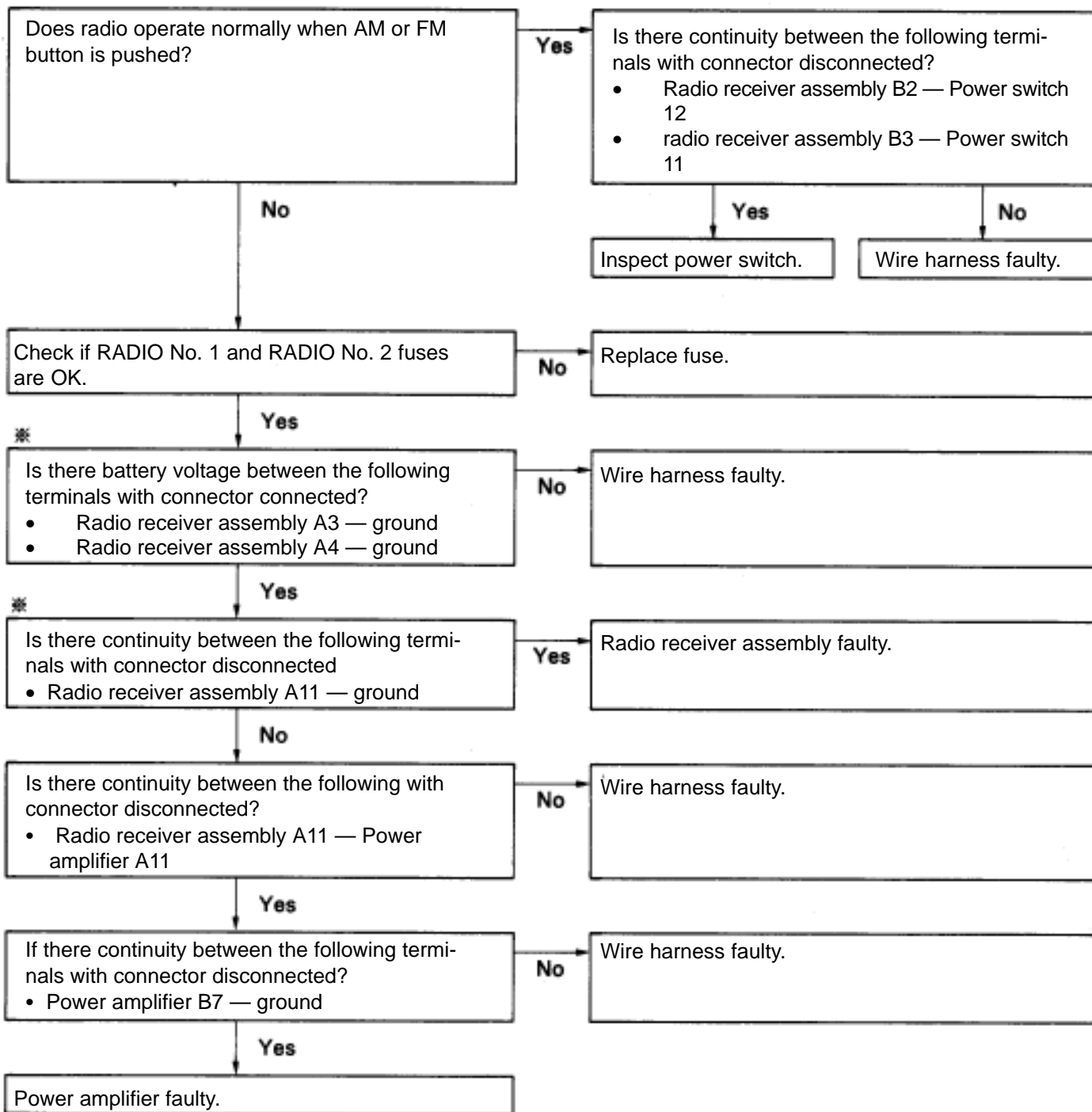
- This inspection procedure is simple troubleshooting which should be carried out on the vehicle during system operation and is based on the assumption that the cause of trouble lies with the system components (excluding the wires and connectors, etc.).  
Always inspect the trouble taking the following items into consideration.
  - Open or short circuit of the wire harness
  - Connector or terminal connection fault
- The cassette tape or compact disc itself may be causing the trouble, so when troubleshooting the tape player or CD player, always use a different cassette tape or compact disc first of all to check operation of the tape player or CD player.
- For some of problems in the following problem chart, the AUDIO SYSTEM CHECKER can be used to inspect malfunctions of the Radio or Tape Player, and the CD PLAYER CHECKER can be used to inspect the CD player.  
The portions indicated by on the flow charts on the following pages can be inspected using a CHECKER. For instructions on how to connect the checker to the vehicle and how to use the checker, please refer to the instruction Manual for AUDIO SYSTEM CHECKER or CD PLAYER CHECKER.

	Problem	No.
Radio	Radio not operating when power switch turned to "ON".	1
	Display indicates when power switch turned to "ON", but no sound (including "noise") is produced (except woofer).	2
	Noise present, but AM–FM not operating.	3
	Any speaker does not work (except woofer).	4
	Volume faint (except woofer).	5
	Woofer does not work.	6
	Woofer volume faint.	7
	Reception poor.	8
	Preset memory disappears.	9
	Volume remains at maximum level.	10
Tape player	Cassette tape cannot be inserted.	11
	Cassette tape will not eject.	12
	Display indicates, but no sound is produced (except woofer).	13
	Any speaker does not work (except woofer).	14
	Volume faint (except woofer).	15
	Woofer does not work.	16
	Woofer volume faint.	17
	Sound quality poor.	18
	Volume remains at maximum level.	19
CD player	Magazine cannot be inserted into auto changer.	20
	Magazine is inserted, but display does not indicate "CD".	21
	Display indicates, but no sound is produced (except woofer).	22
	Any speaker does not work (except woofer).	23
	Volume faint (except woofer).	24
	RH channel or LH channel speaker volume faint.	25
	Woofer does not work.	26
	Woofer volume faint.	27
	Sound quality poor.	28
	Volume remains at maximum level.	29
Noise	Noise produced by vibration or shock while driving.	30
	Noise produced when engine starts.	31
Antenna	Antenna–related.	32

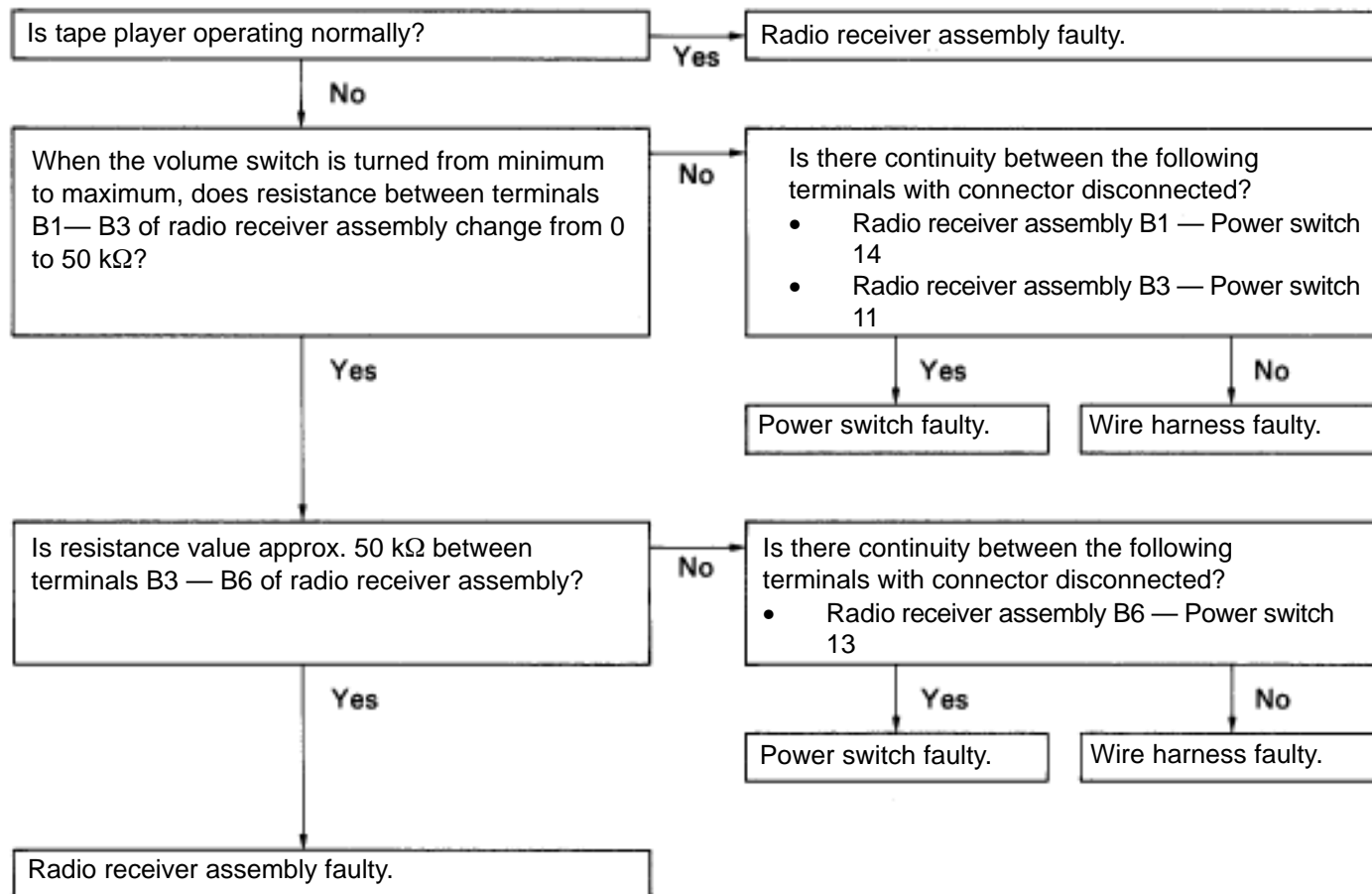


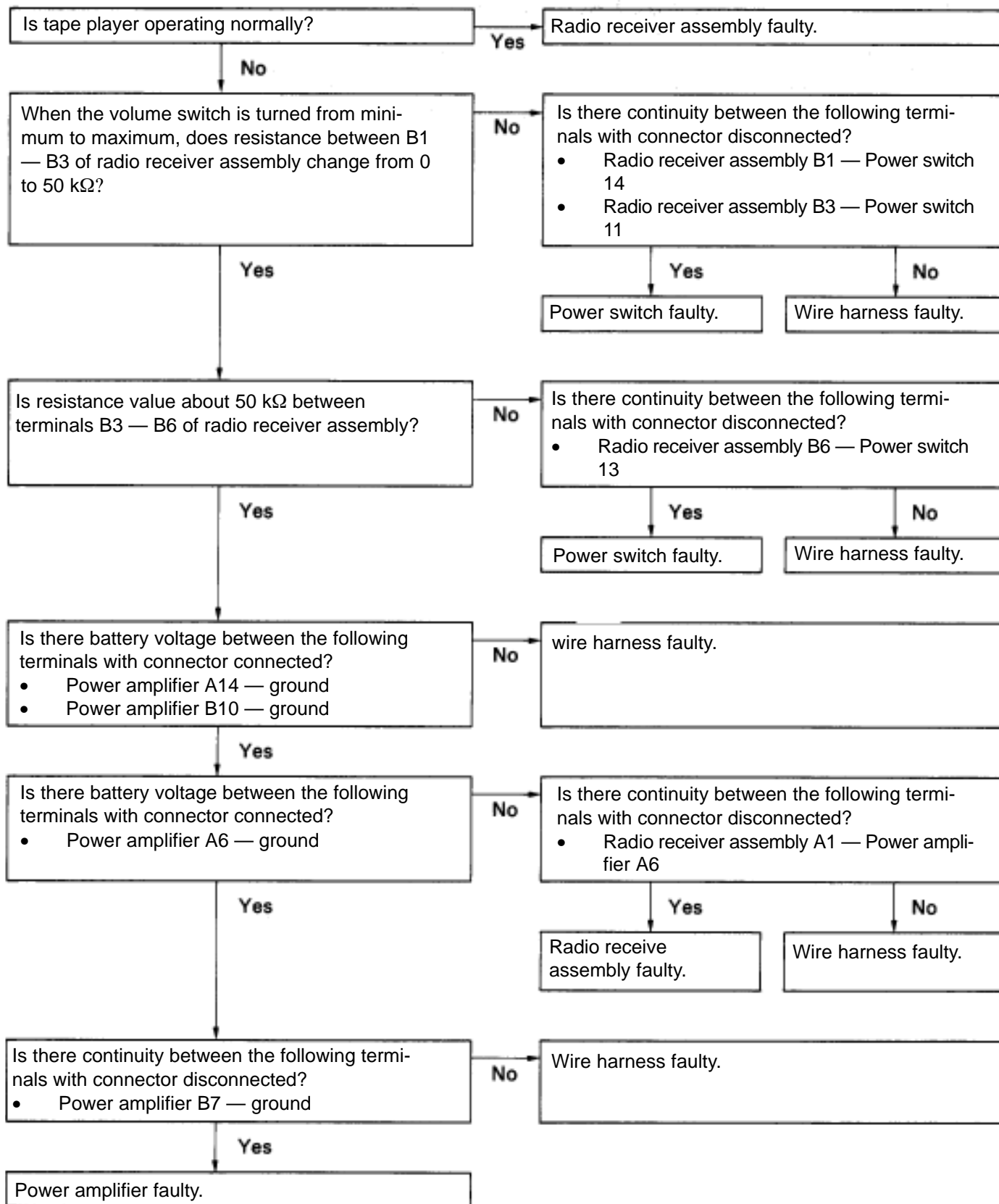
1	Radio	<b>RADIO NOT OPERATING WHEN POWER SWITCH TURNED TO "ON"</b>
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**A. without CD player type**

**B. with CD player type**

2	Radio	<b>DISPLAY INDICATES WHEN POWER SWITCH TURNED TO "ON", BUT NO SOUND (INCLUDING "NOISE") IS PRODUCED (EXCEPT WOOFER)</b>
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**A. without CD player type**

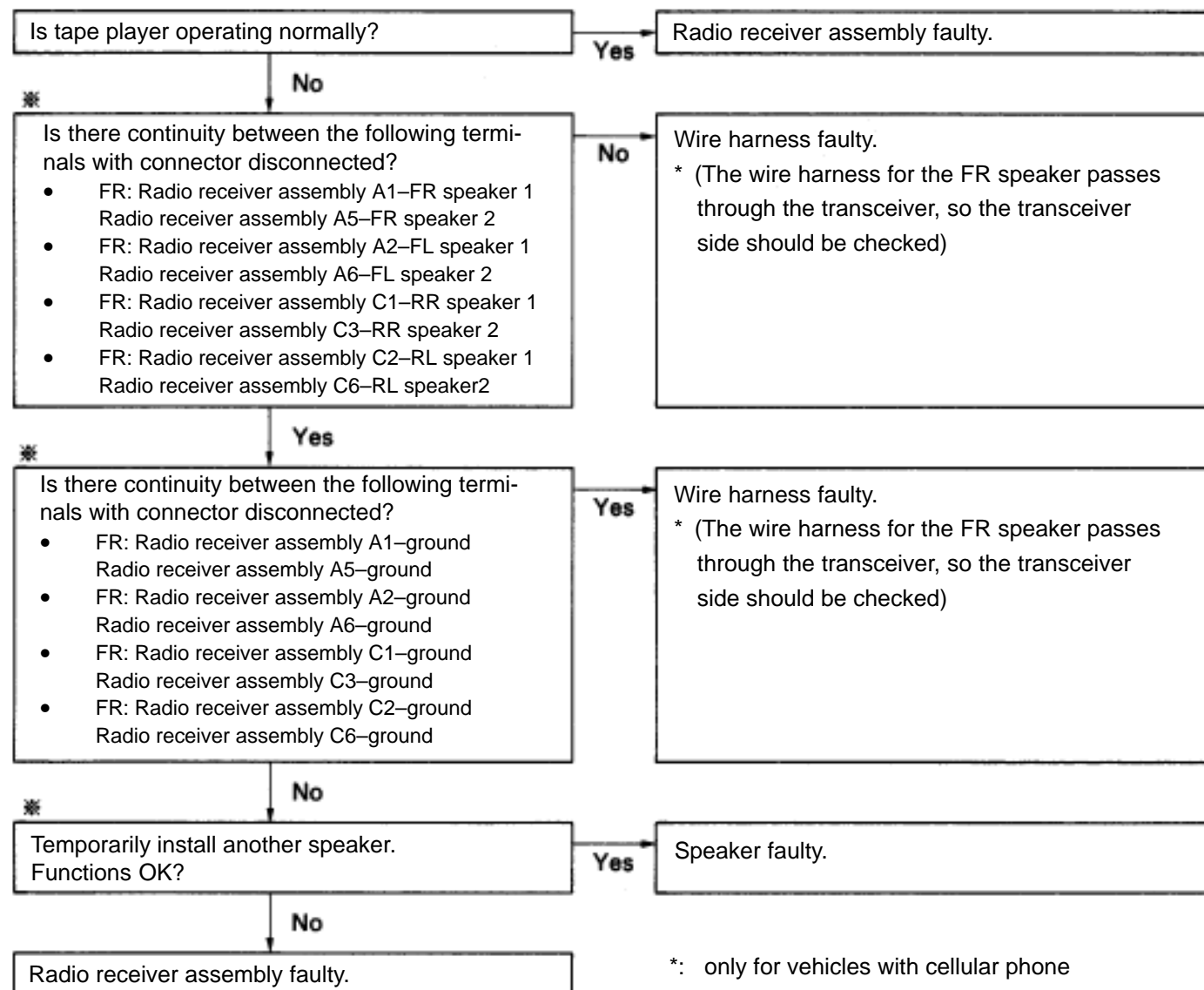
**B. with CD player type**

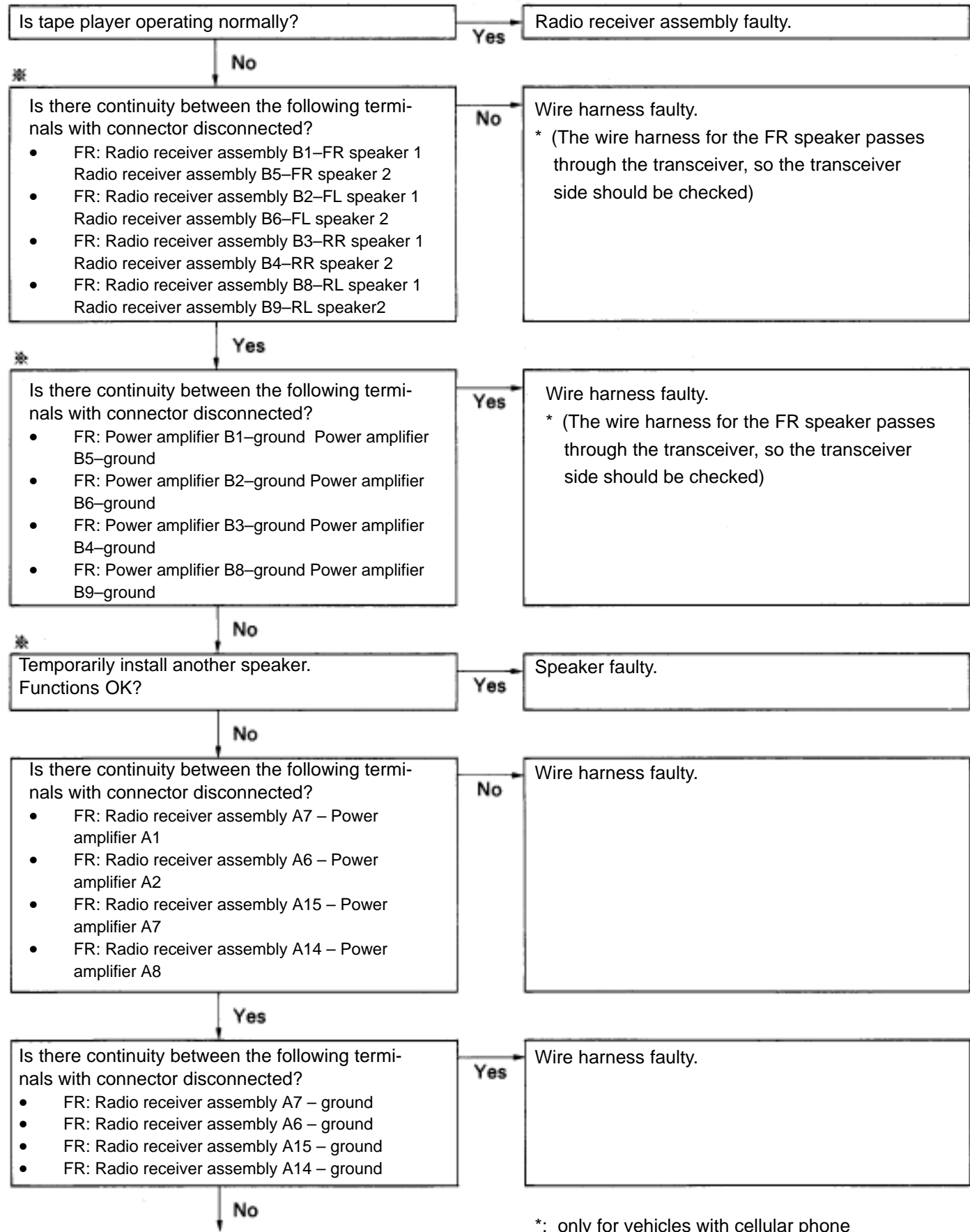
3	Radio	NOISE PRESENT, BUT AM-FM NOT OPERATING
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If radio side faulty

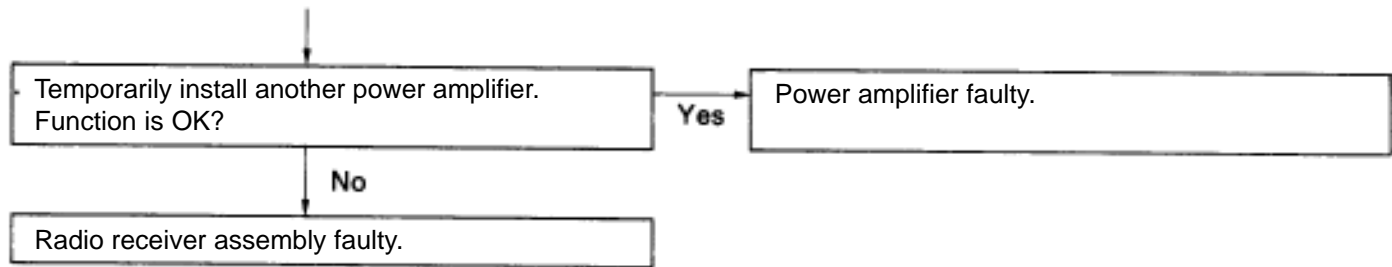
<b>4</b>	<b>Radio</b>	<b>ANY SPEAKER DOES NOT WORK (EXCEPT WOOFER)</b>
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**A. without CD player type**

**B. with CD player type**

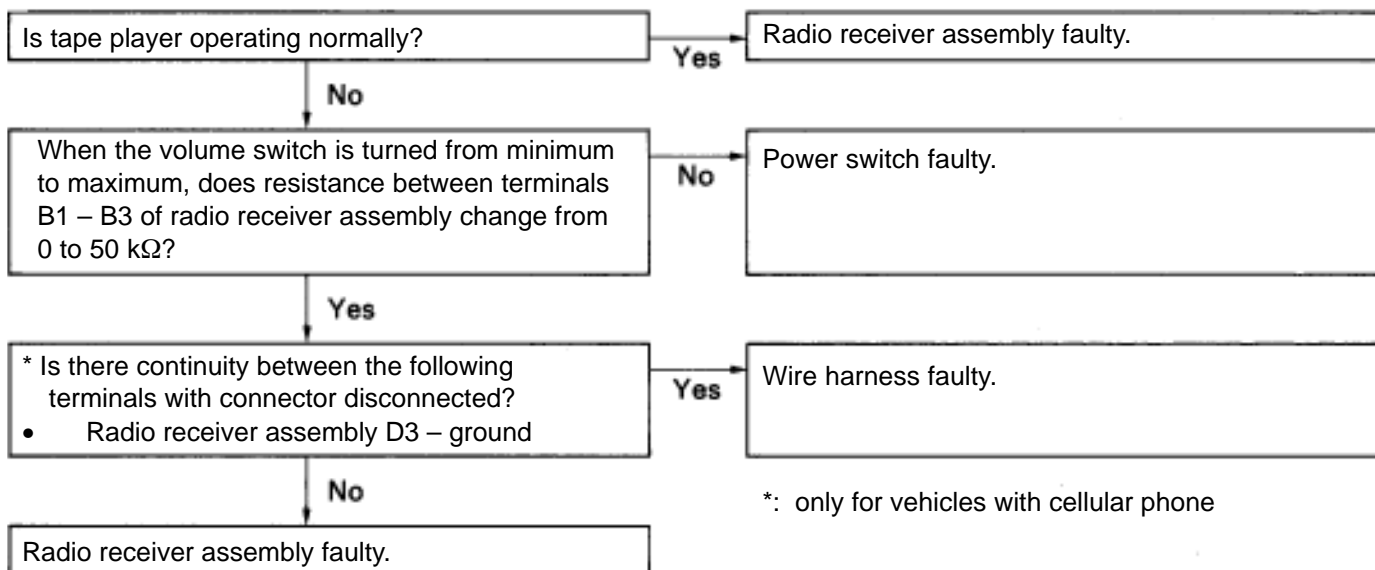
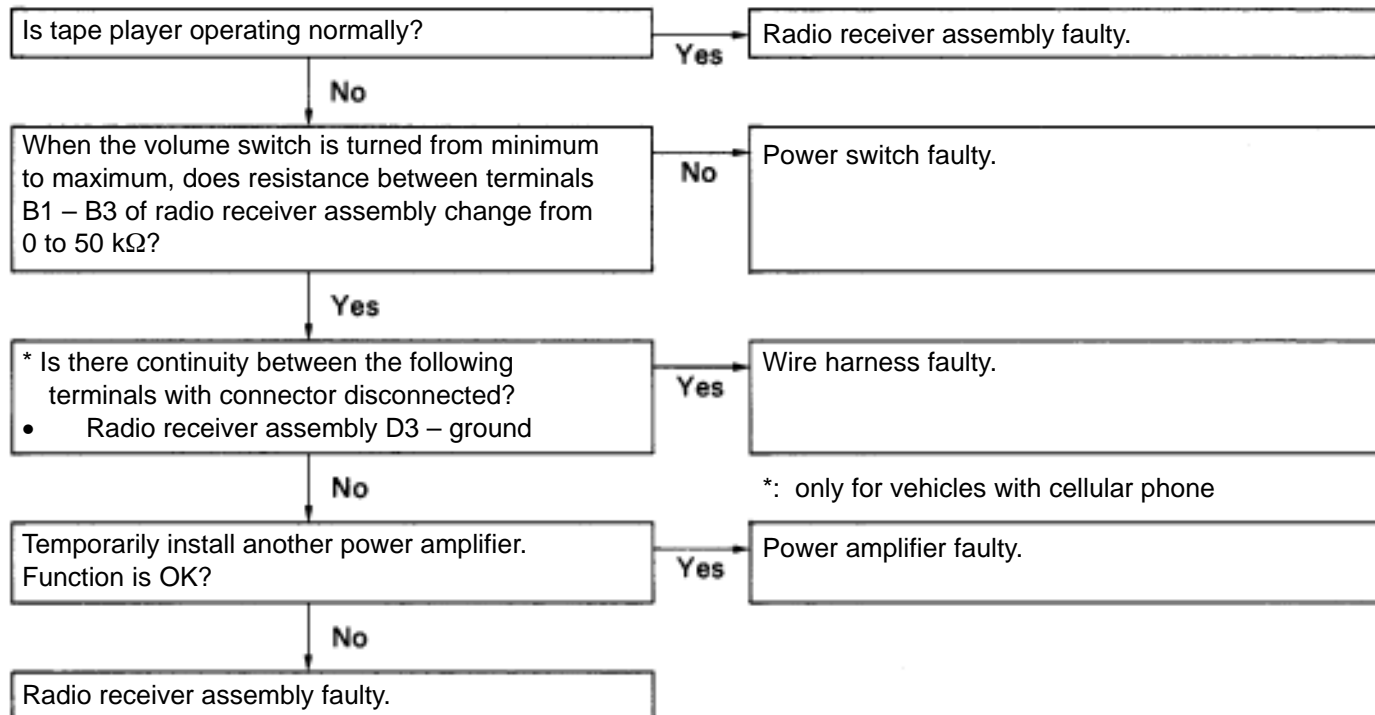
\*: only for vehicles with cellular phone

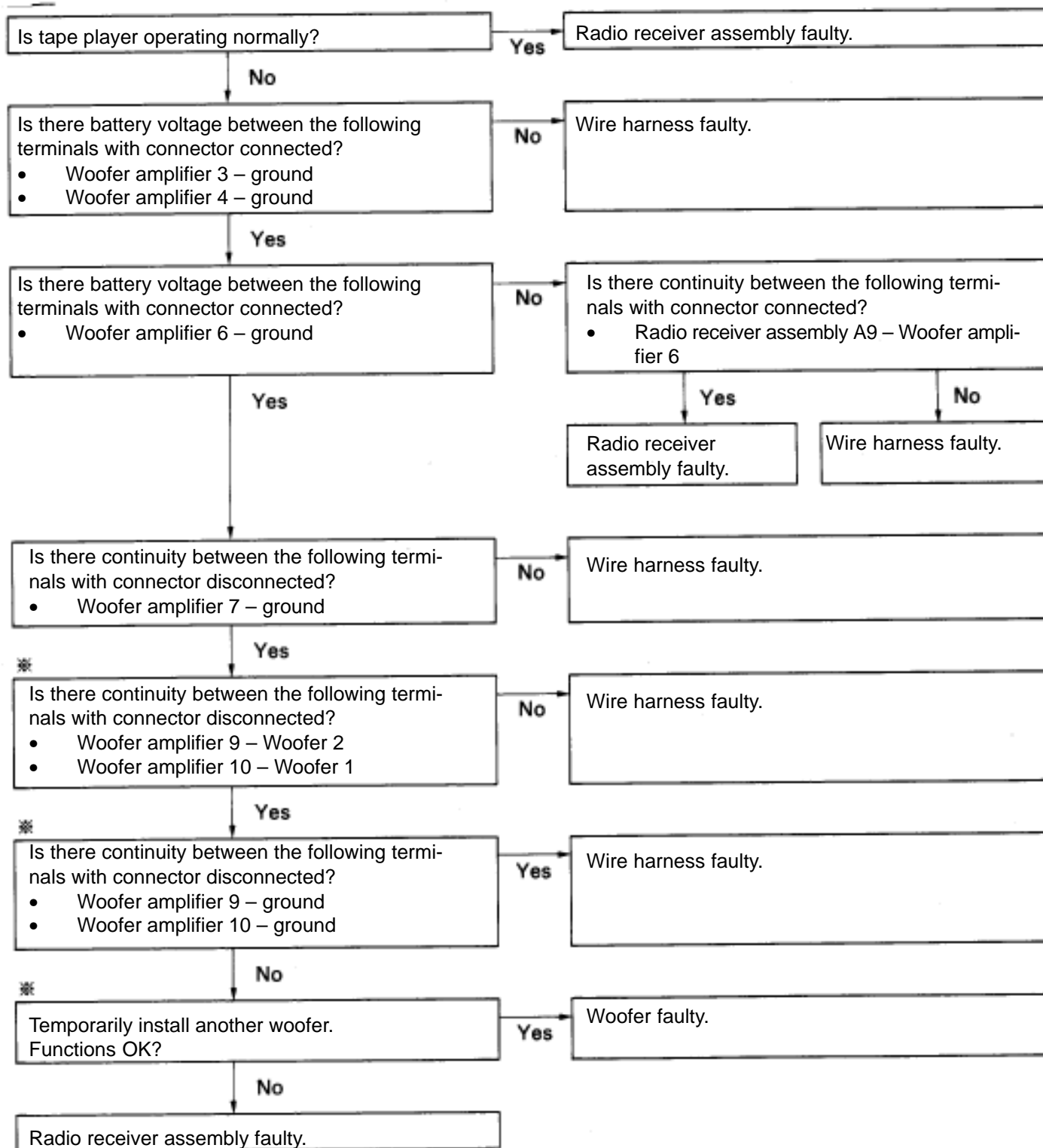
Continued from previous page





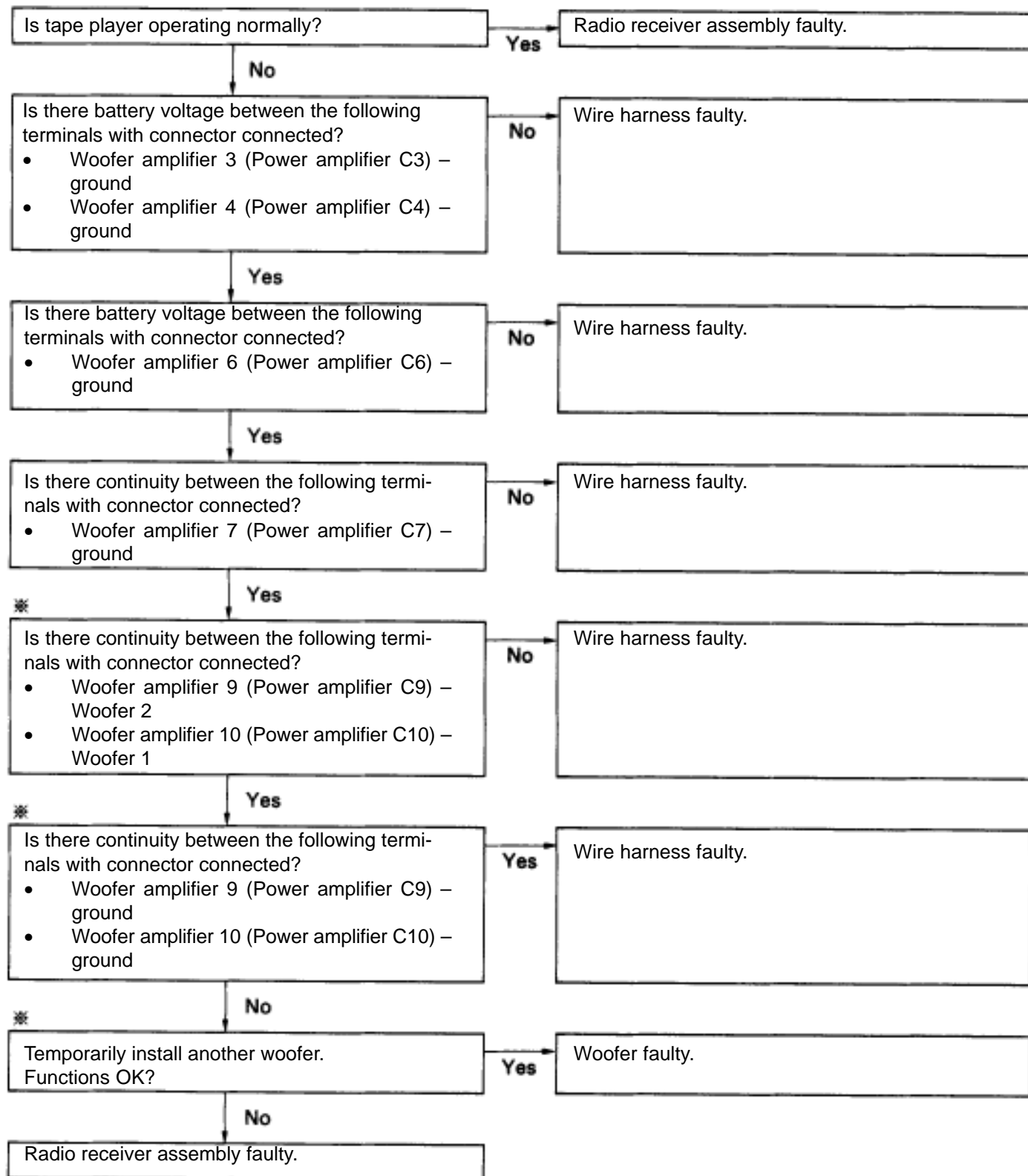
<b>5</b>	<b>Radio</b>	<b>VOLUME FAINT (EXCEPT WOOFER)</b>
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**A. without CD player type****B. with CD player type**

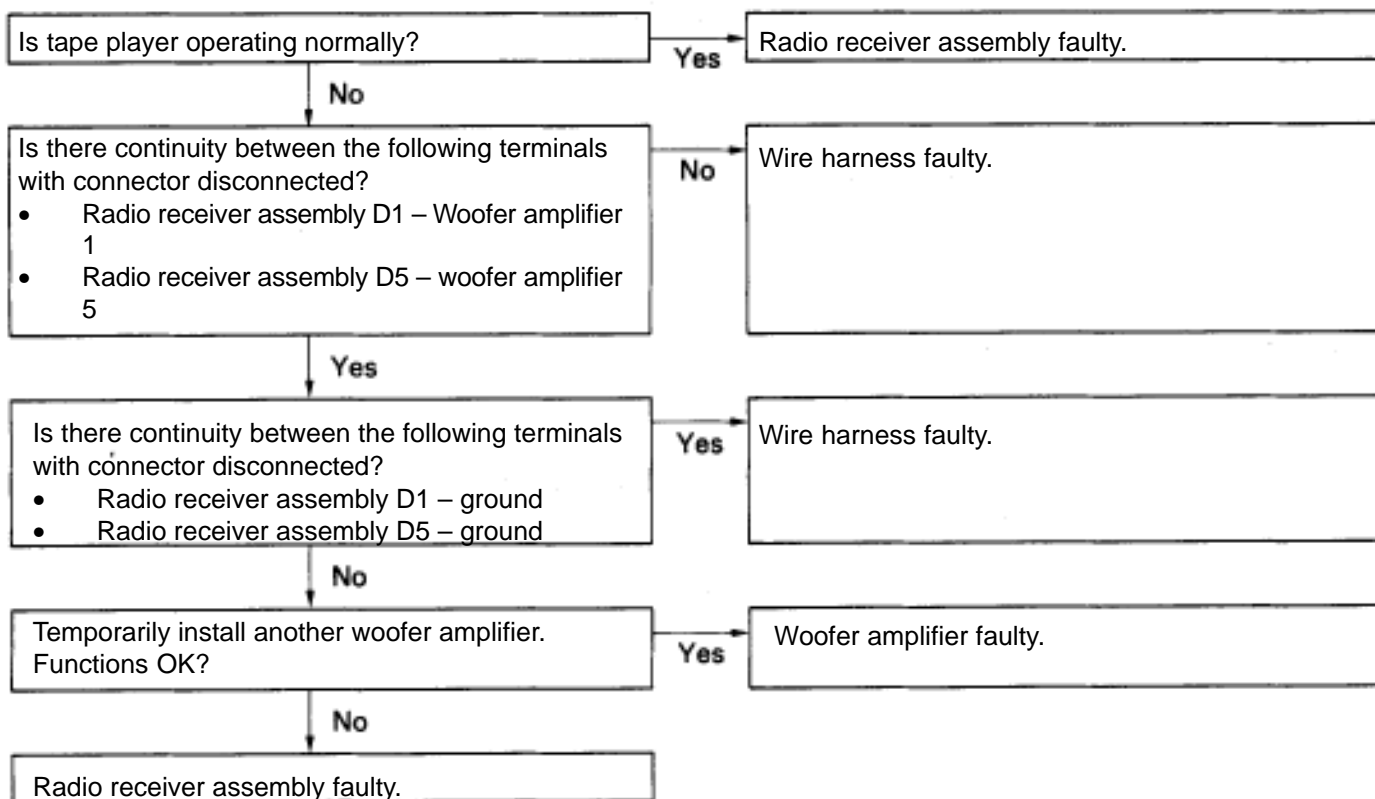
**6****Radio****WOOFER DOES NOT WORK****A. without CD player type**

**B. with CD player type**

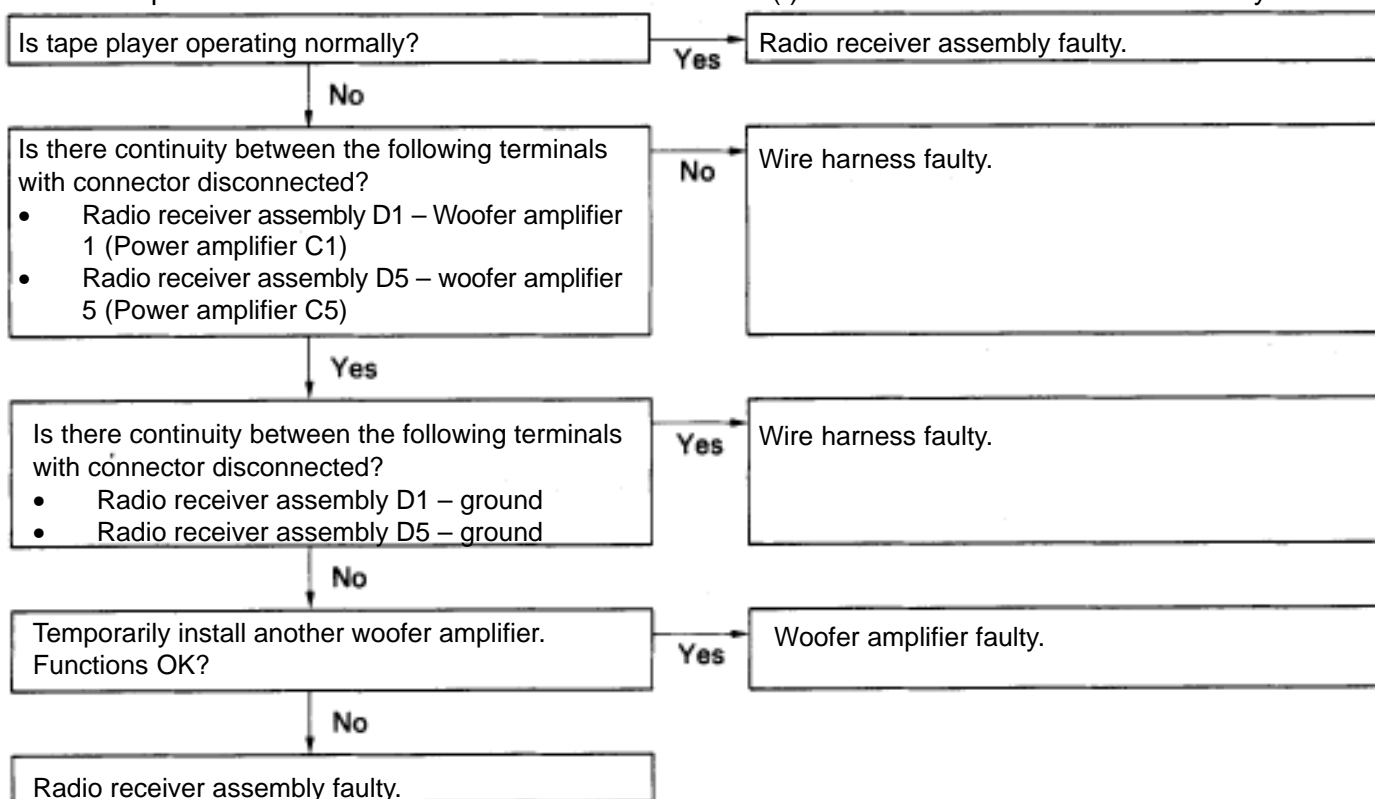
HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.



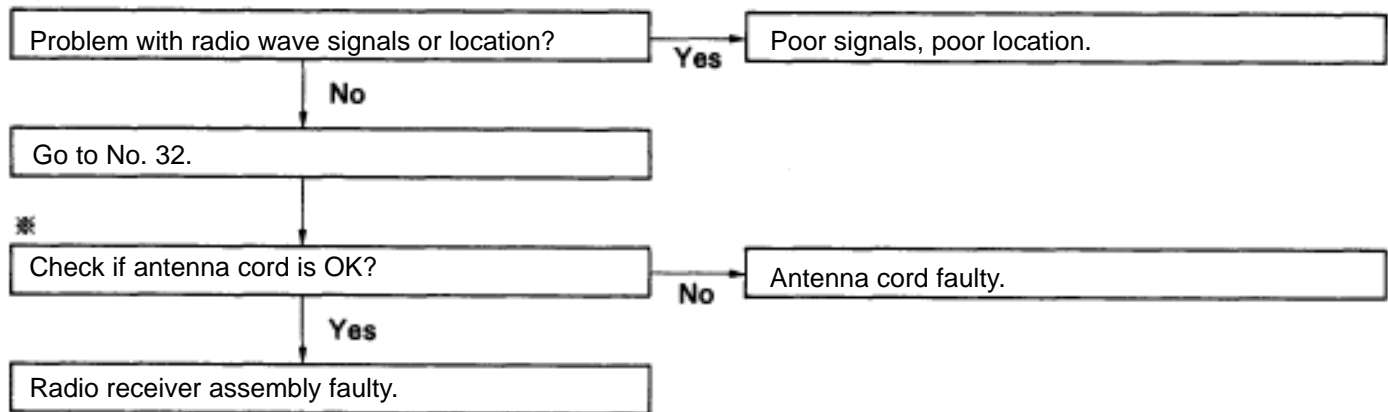
<b>7</b>	<b>Radio</b>	<b>WOOFER VOLUME FAINT</b>
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**A. without CD player type****B. with CD player type**

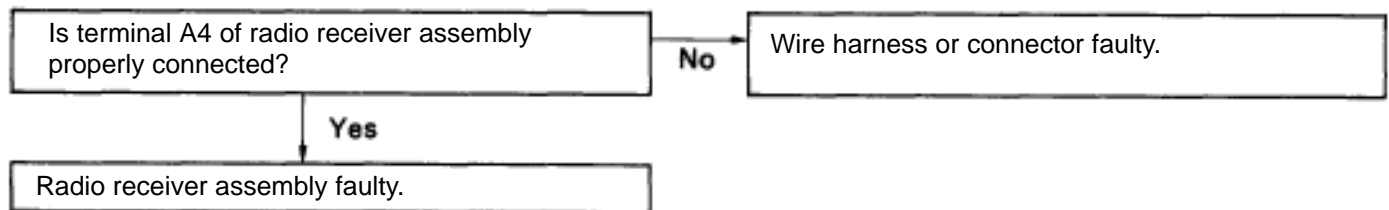
HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.

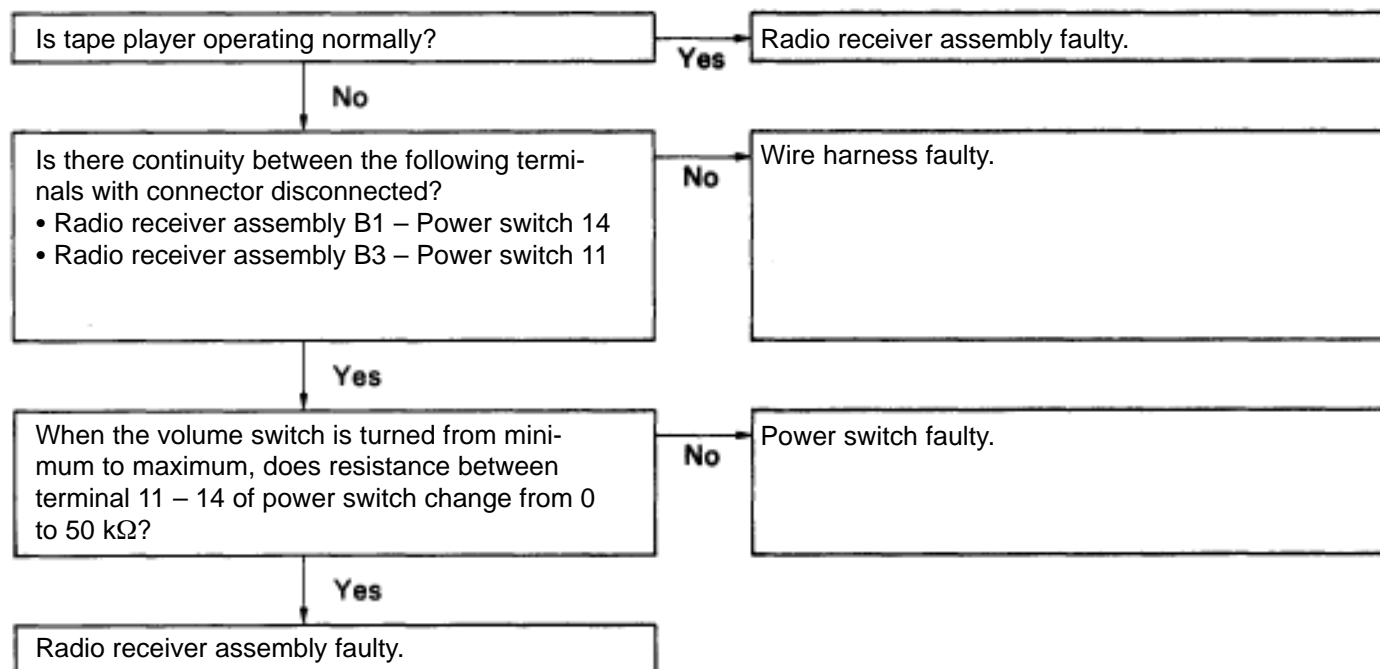
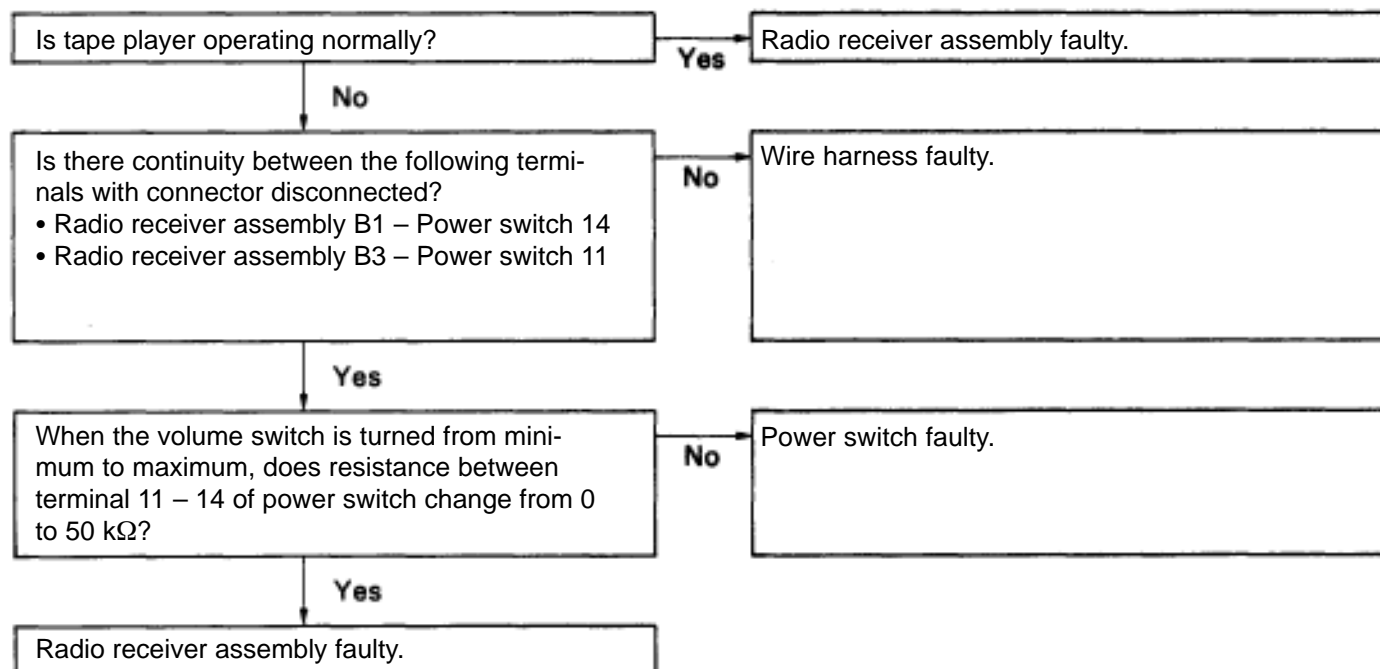


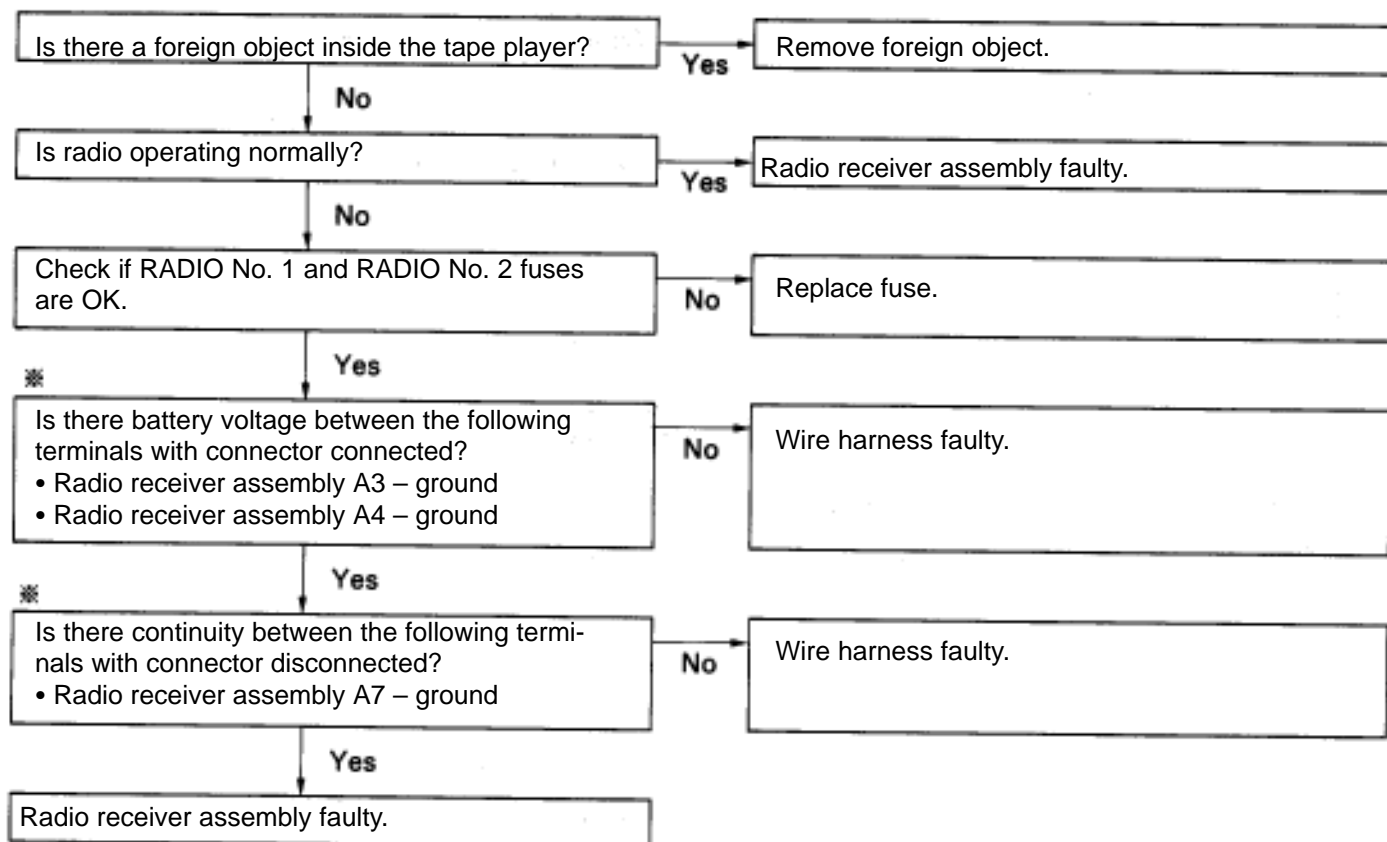
<b>8</b>	<b>Radio</b>	<b>RECEPTION POOR</b>
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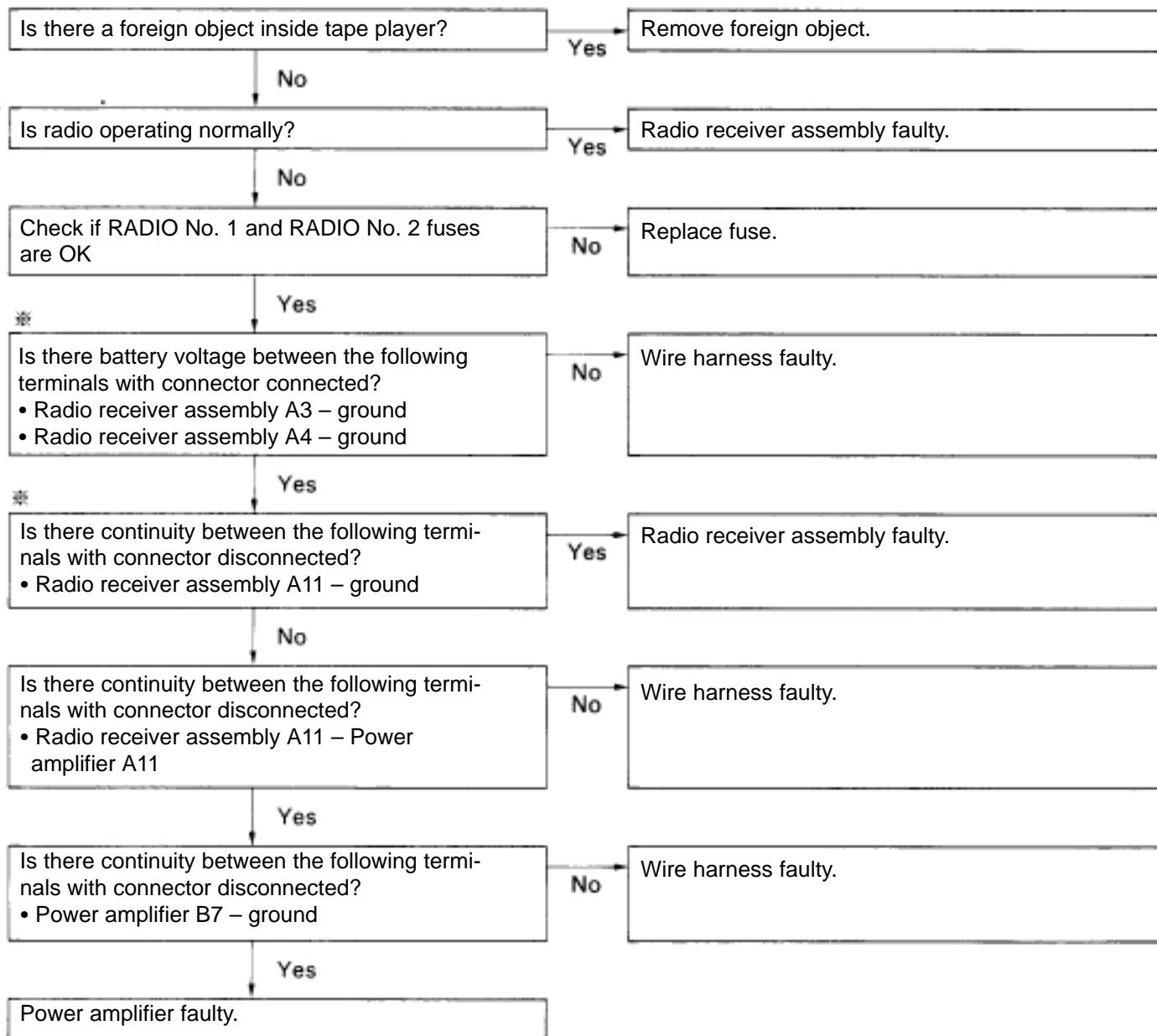


<b>9</b>	<b>Radio</b>	<b>PRESET MEMORY DISAPPEARS</b>
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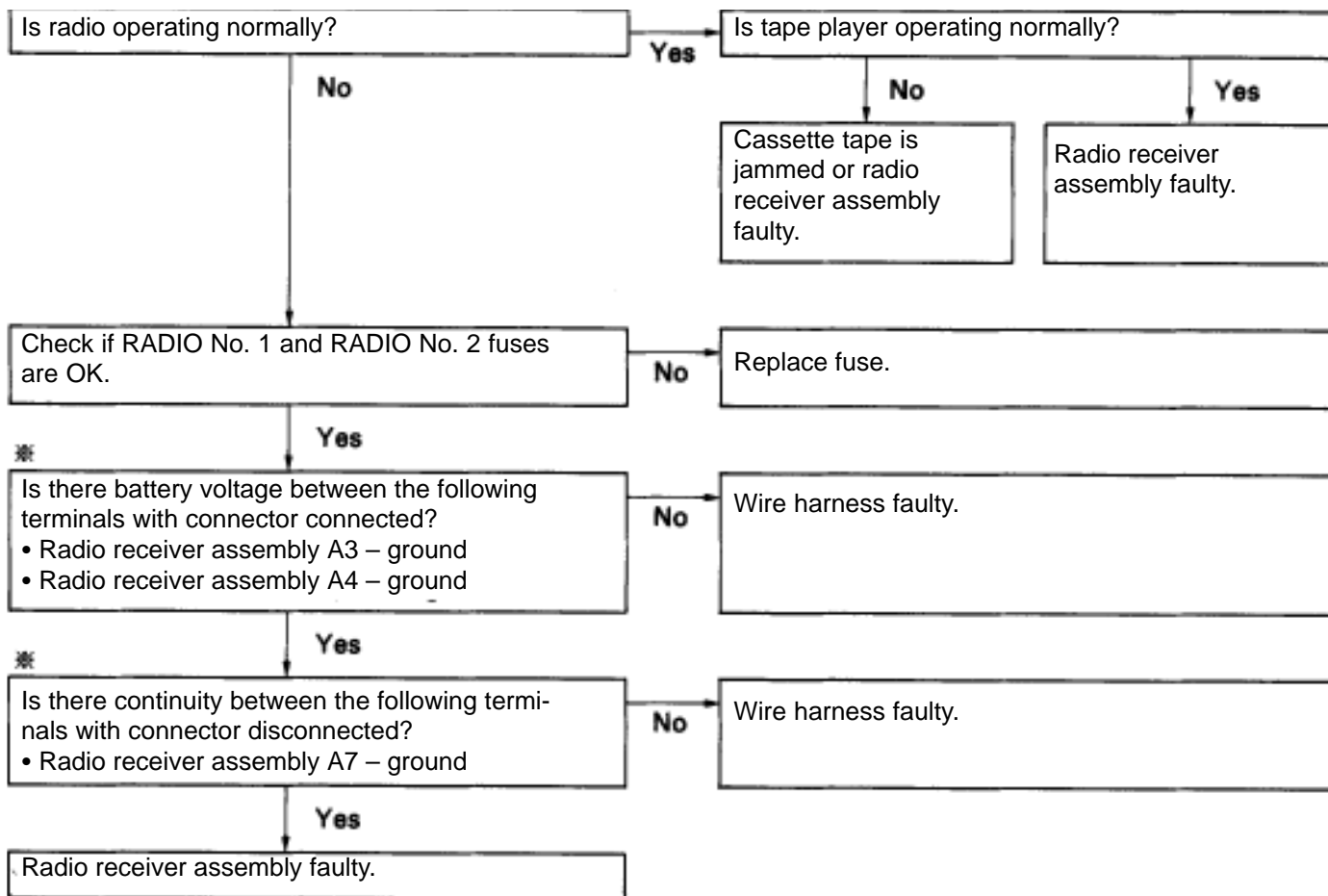


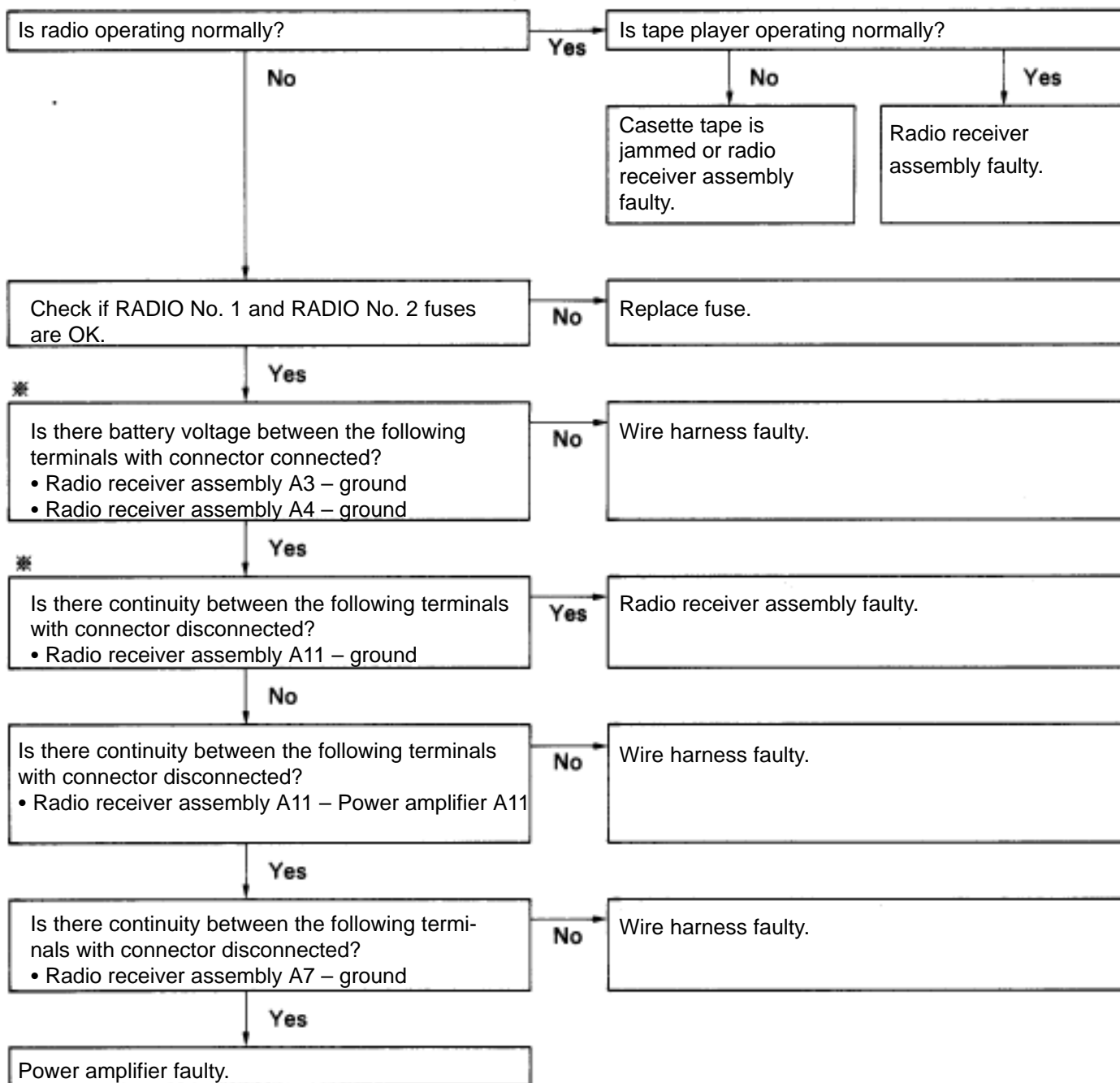
**10****Radio****VOLUME REMAINS AT MAXIMUM LEVEL****A. without CD player type****B. with CD player type**

**11****Tape player****CASSETTE TAPE CANNOT BE INSERTED****A. without CD player type**

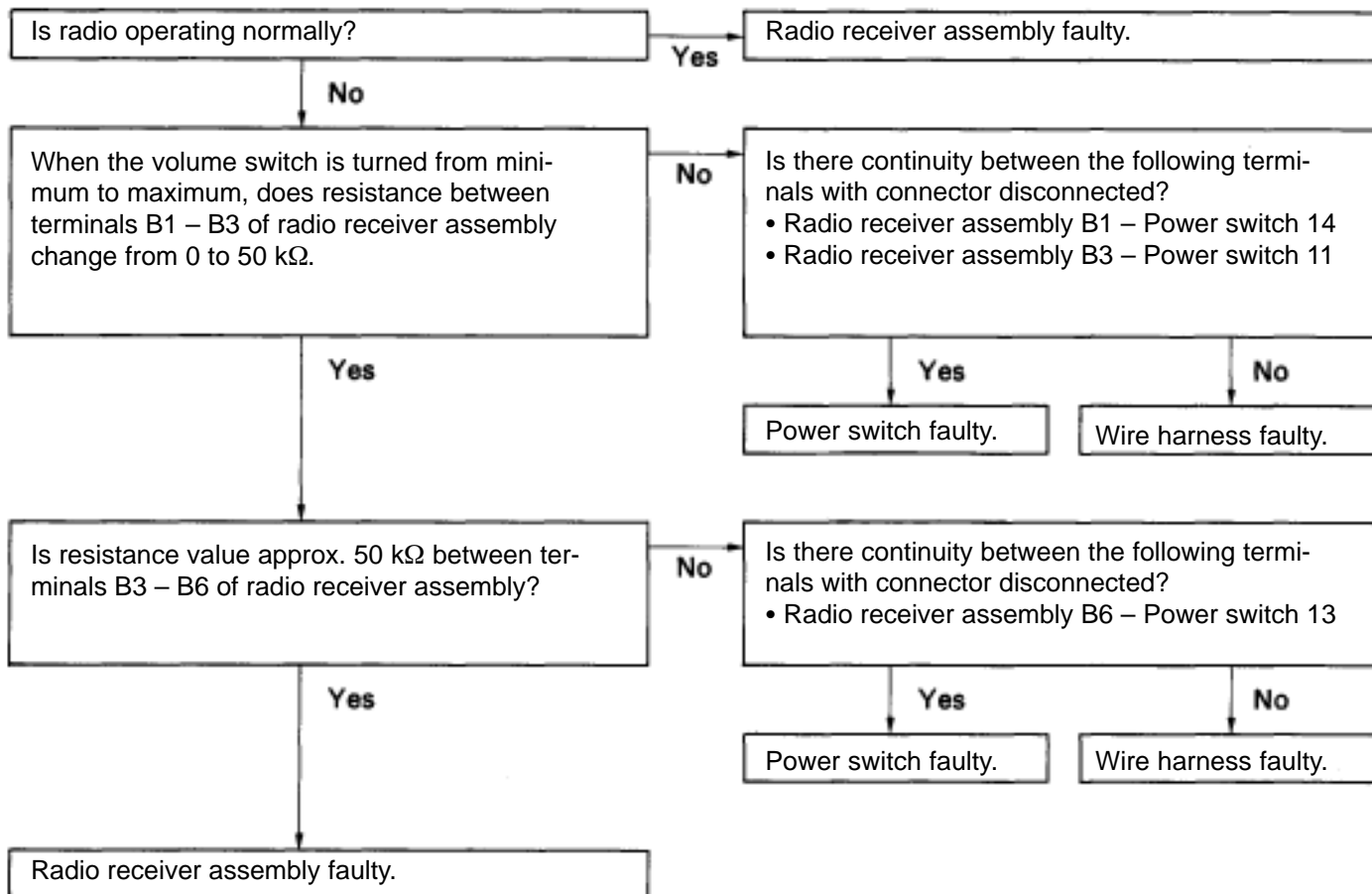
**B. with CD player type**

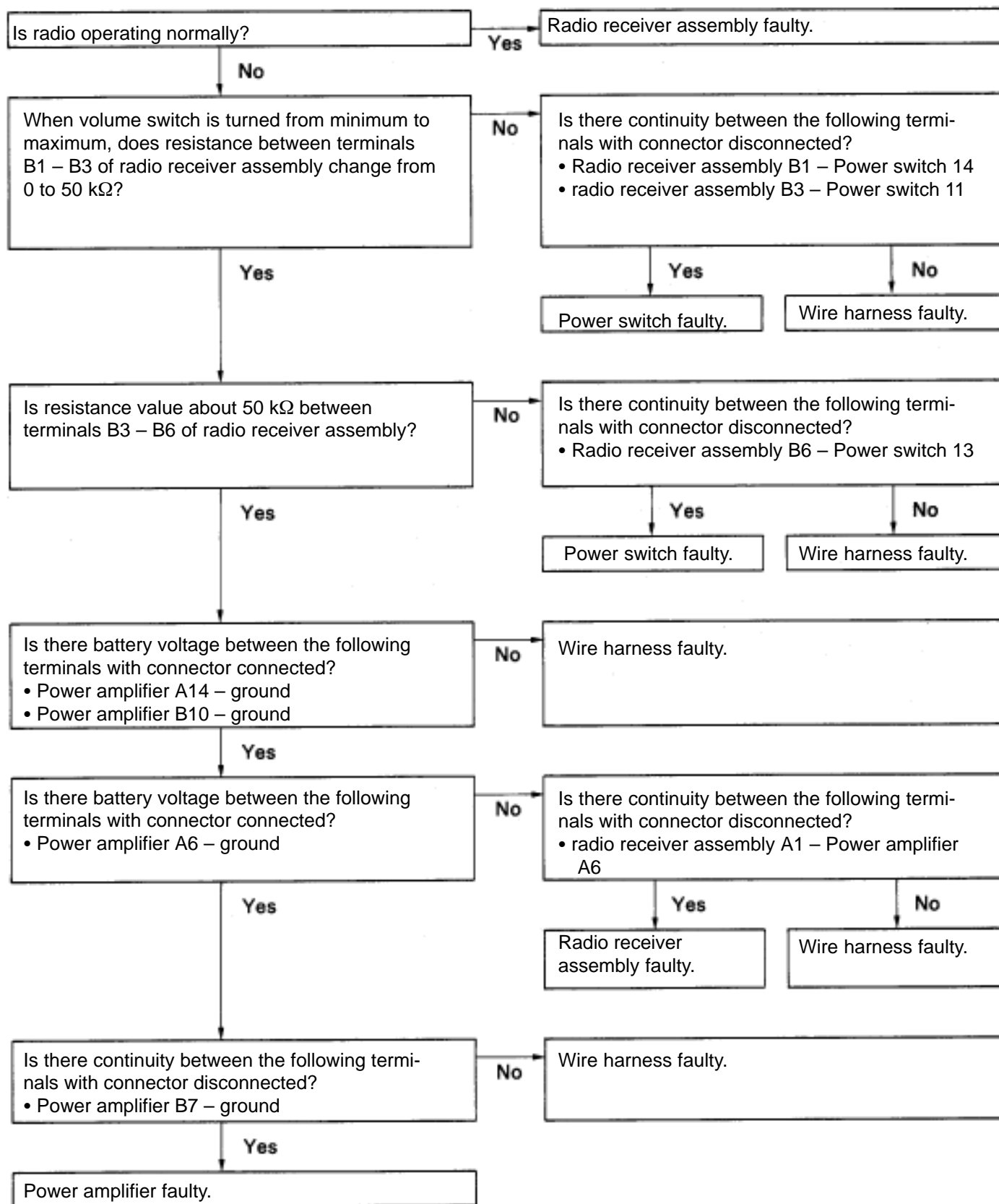


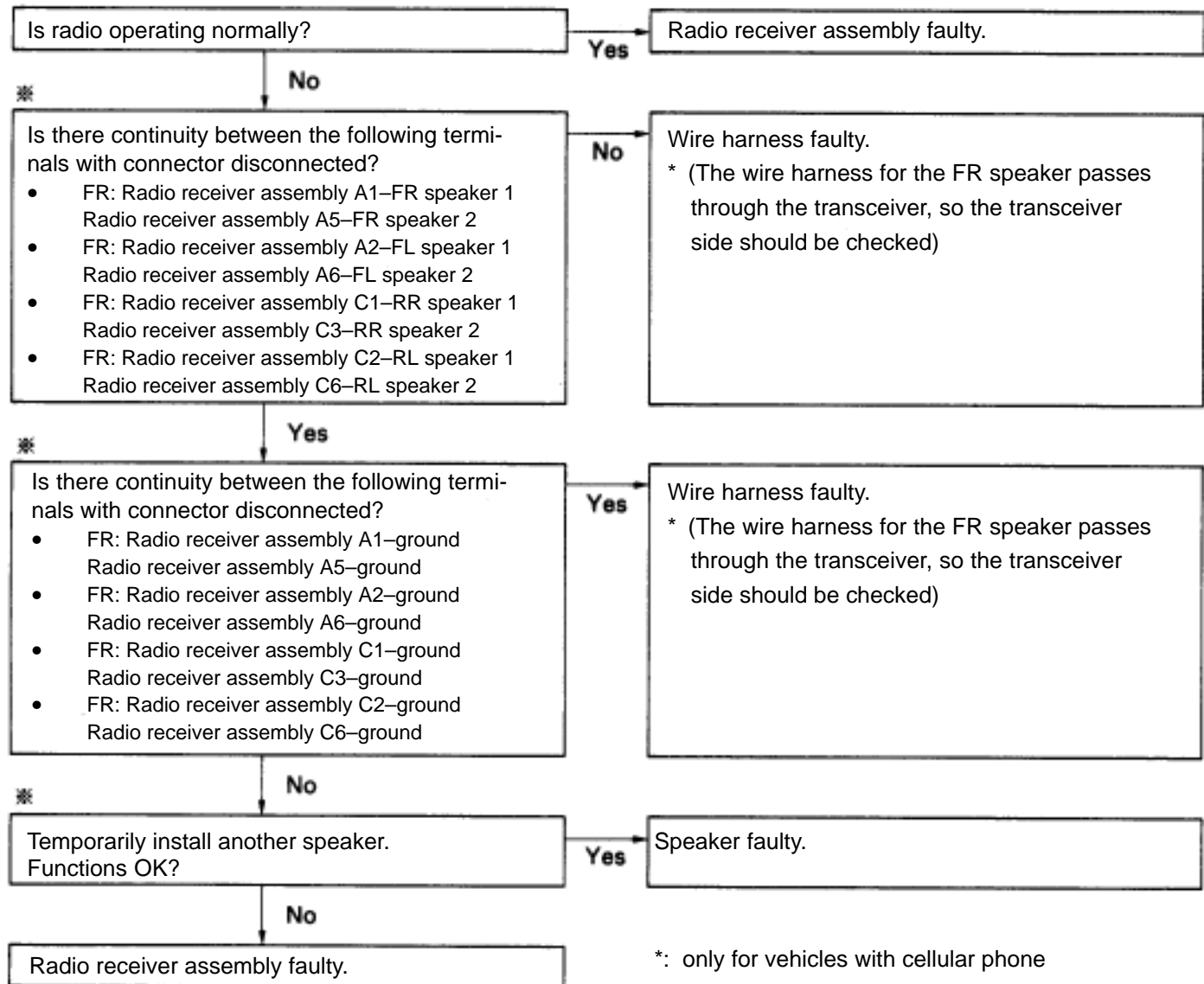
**12****Tape player****CASSETTE TAPE WILL NOT EJECT****A. without CD player type**

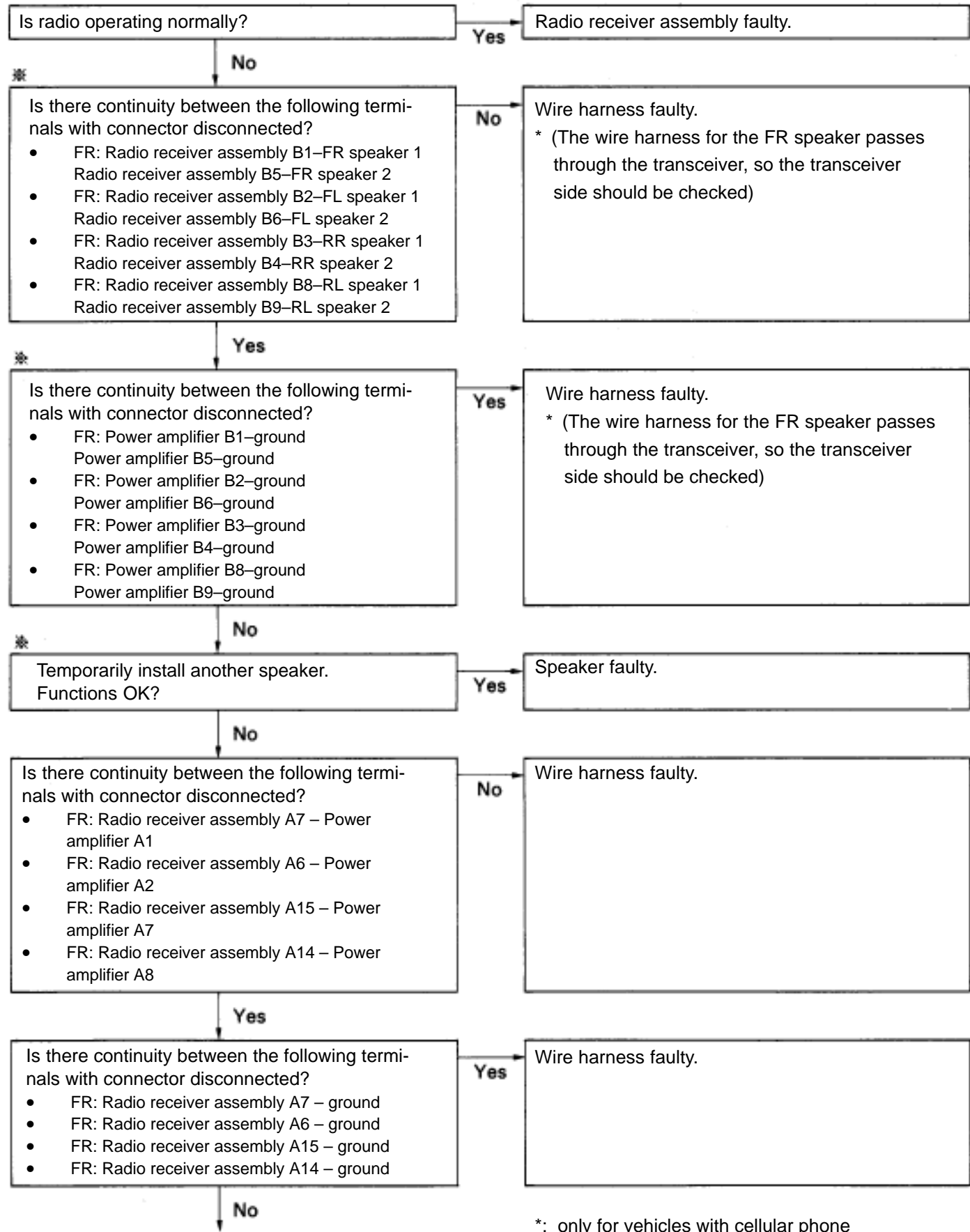
**B. with CD player**

13	Tape player	<b>DISPLAY INDICATES, BUT NO SOUND IS PRODUCED (EXCEPT WOOFER)</b>
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**A. without CD player type**

**B. with CD player type**

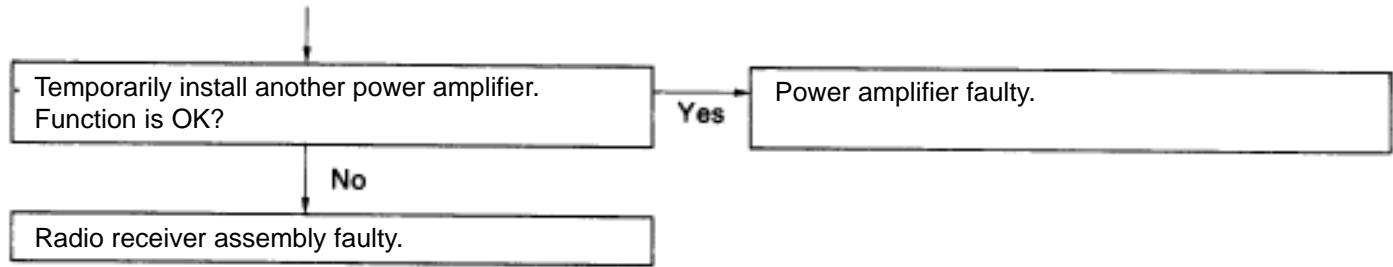
**14 Tape Player****ANY SPEAKER DOES NOT WORK (EXCEPT WOOFER)****A. without CD player type**

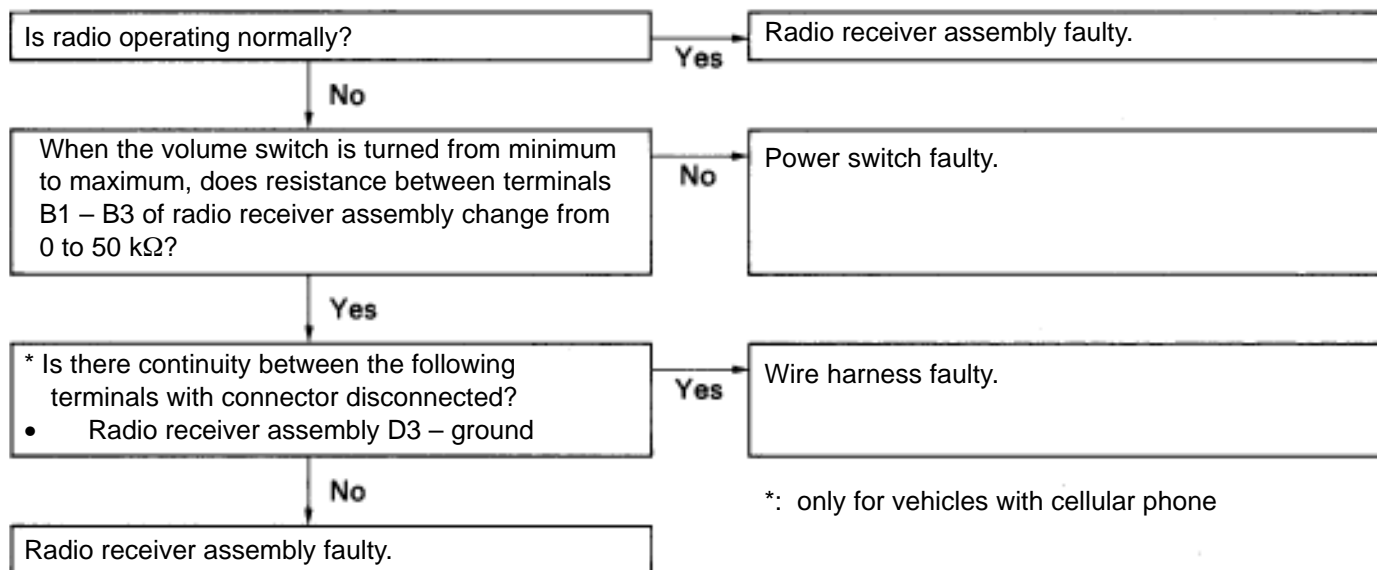
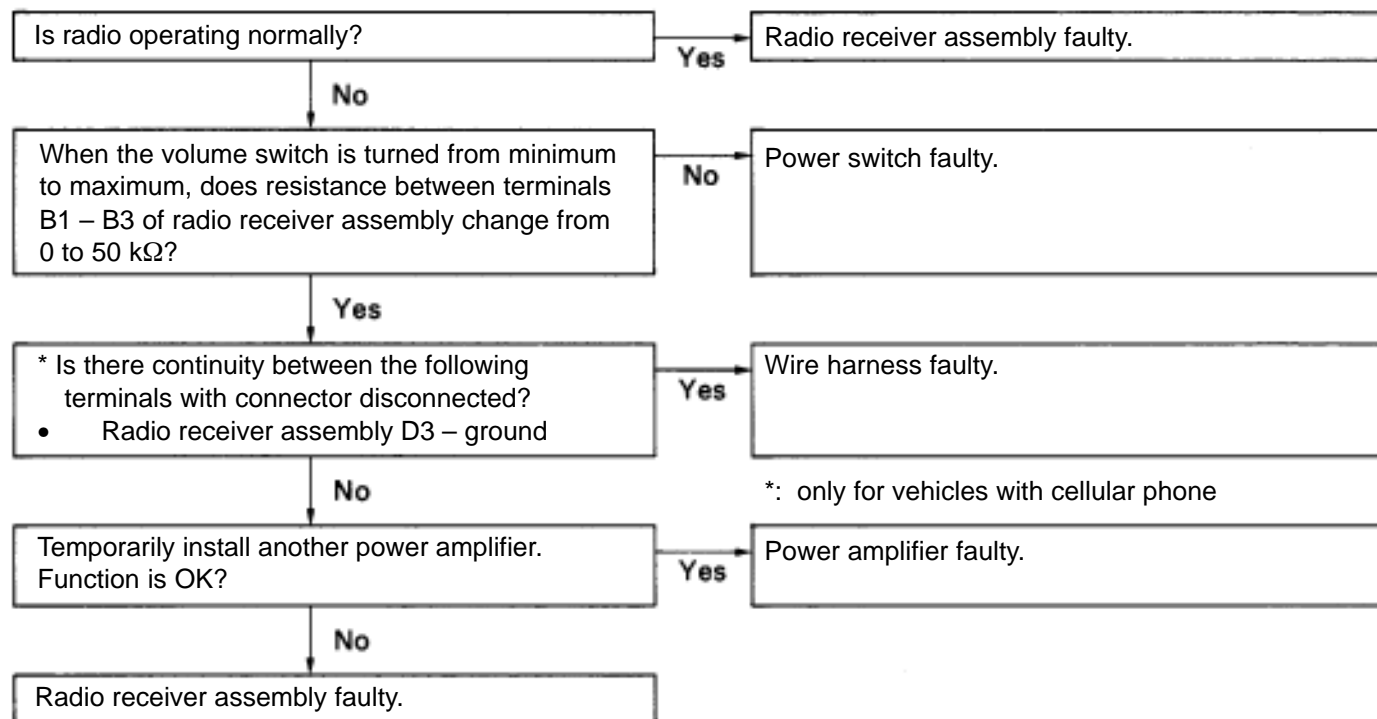
**B. with CD player type**

Continued on next page

\*: only for vehicles with cellular phone

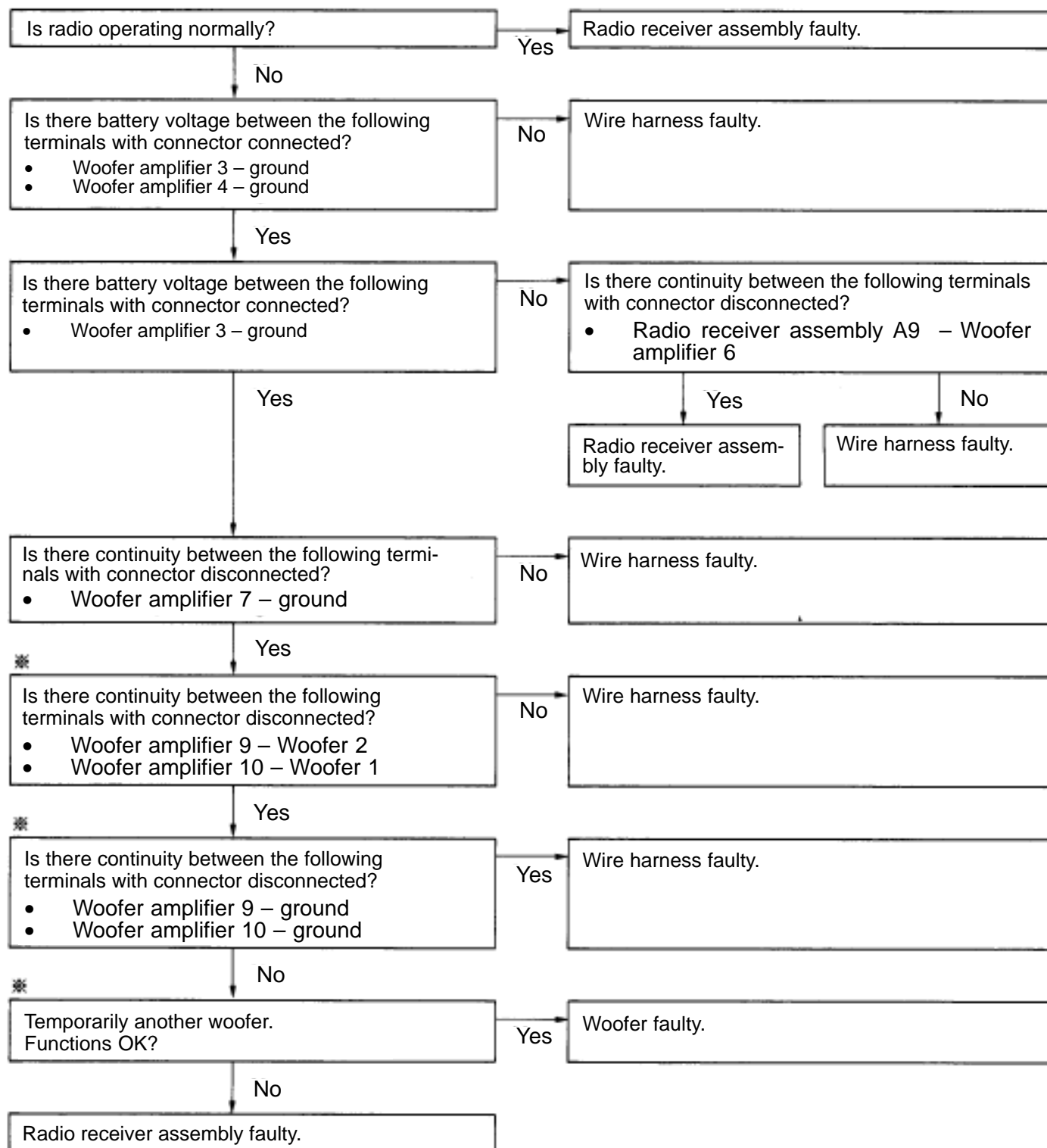
Continued from previous page



**15****Tape Player****VOLUME FAINT (EXCEPT WOOFER)****A. without CD player type****B. with CD player type**

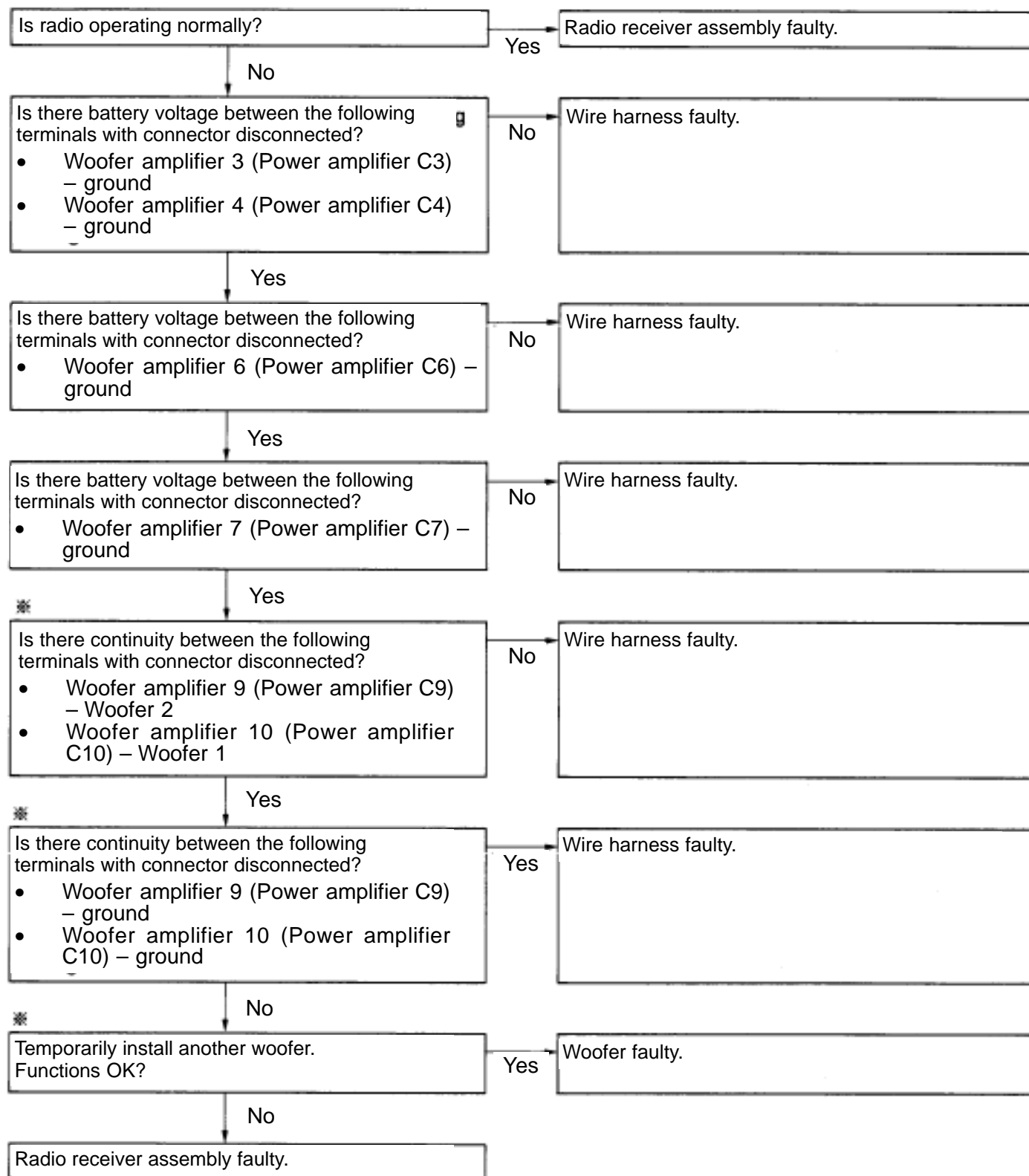


<b>16</b>	<b>Tape player</b>	<b>VOLUME FAINT (EXCEPT WOOFER)</b>
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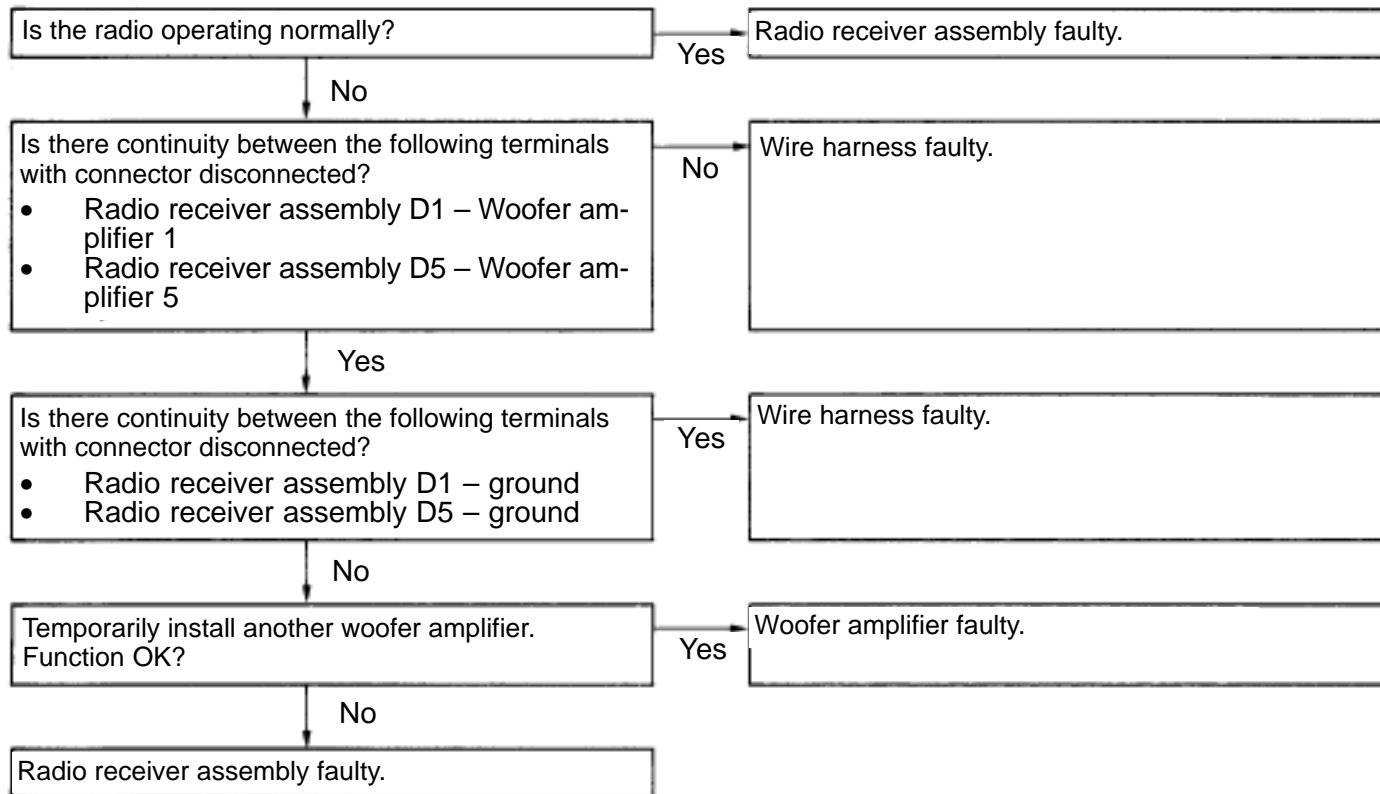
**A. without CD player type**

**B. with CD player type**

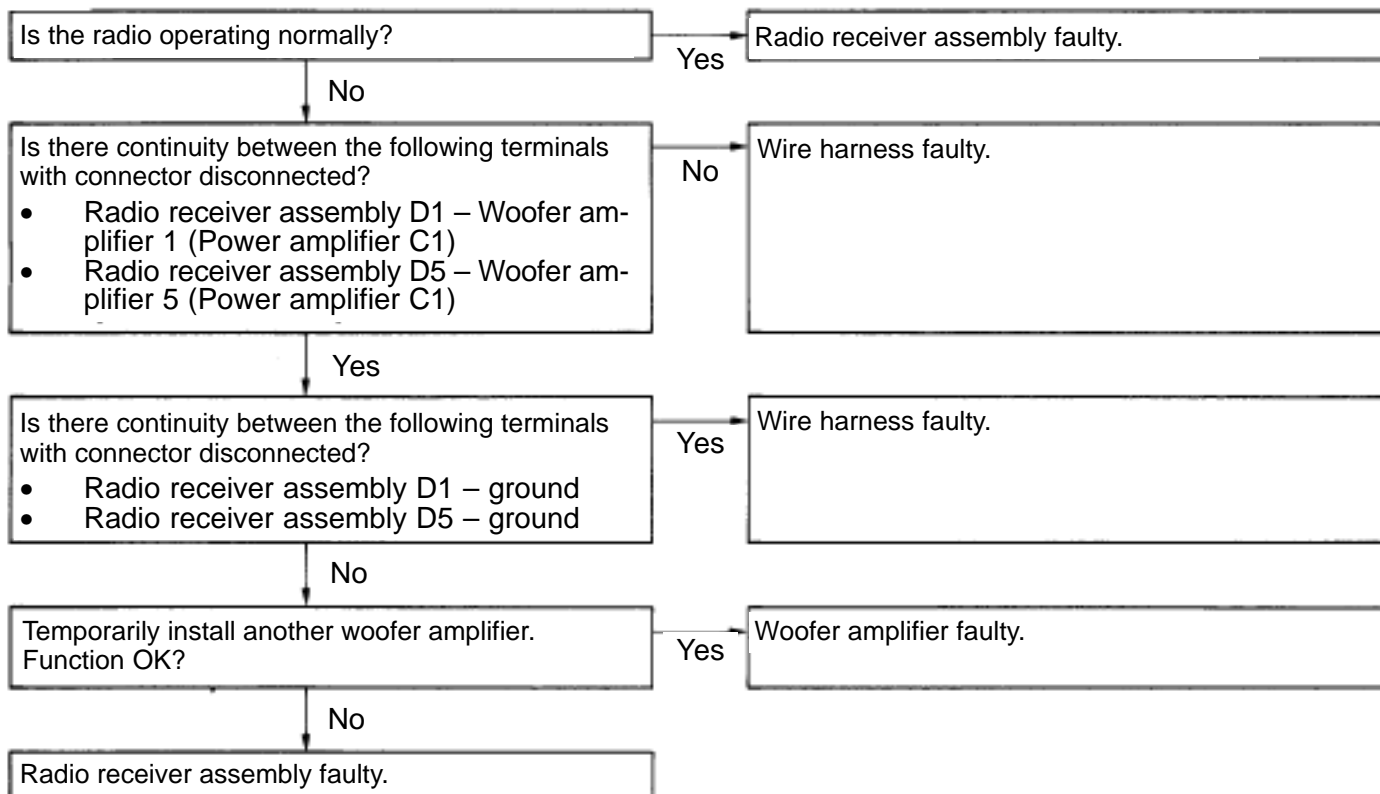
HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.



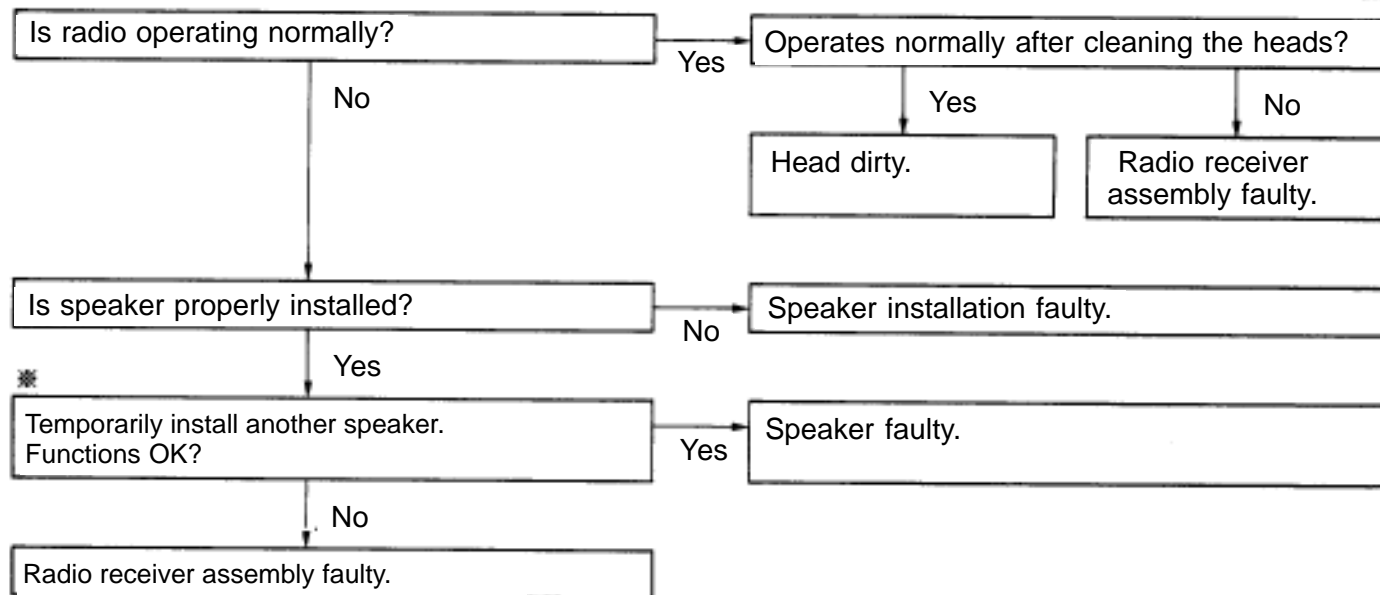
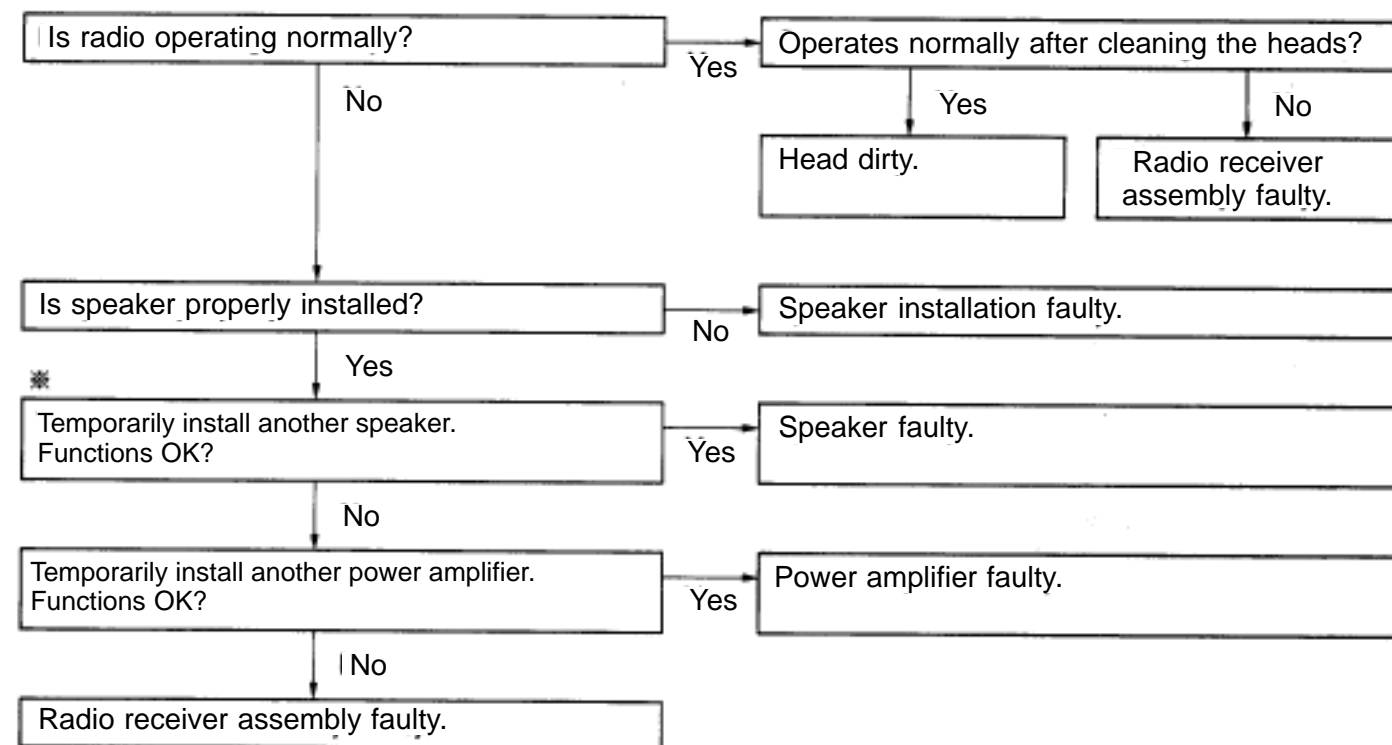
<b>17</b>	<b>Tape player</b>	<b>WOOFER VOLUME FAINT</b>
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**A. without CD player type****B. with CD player type**

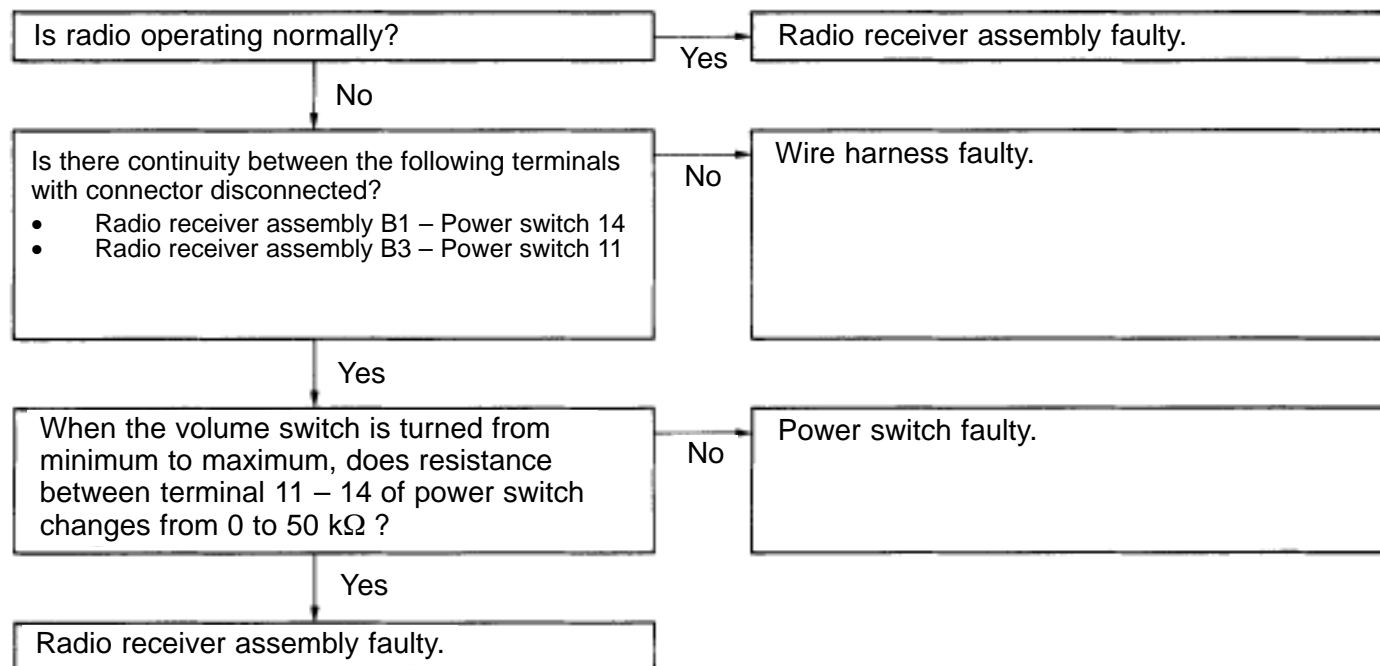
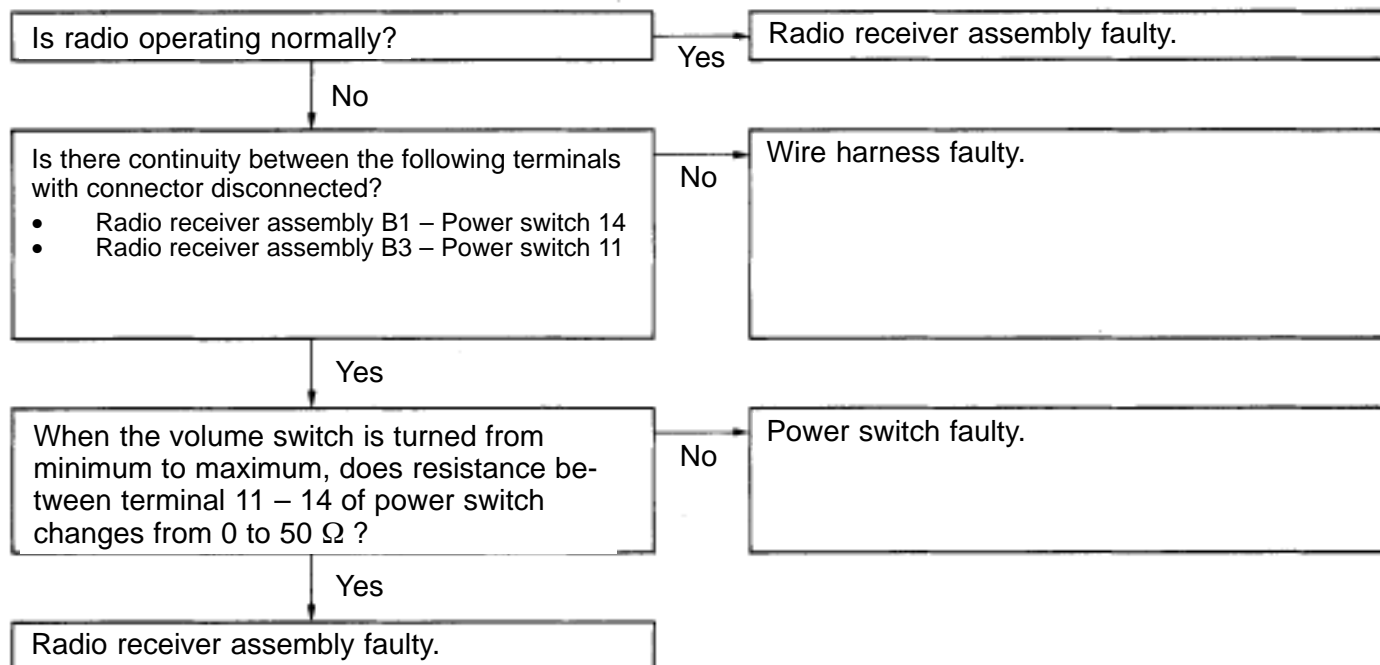
HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.



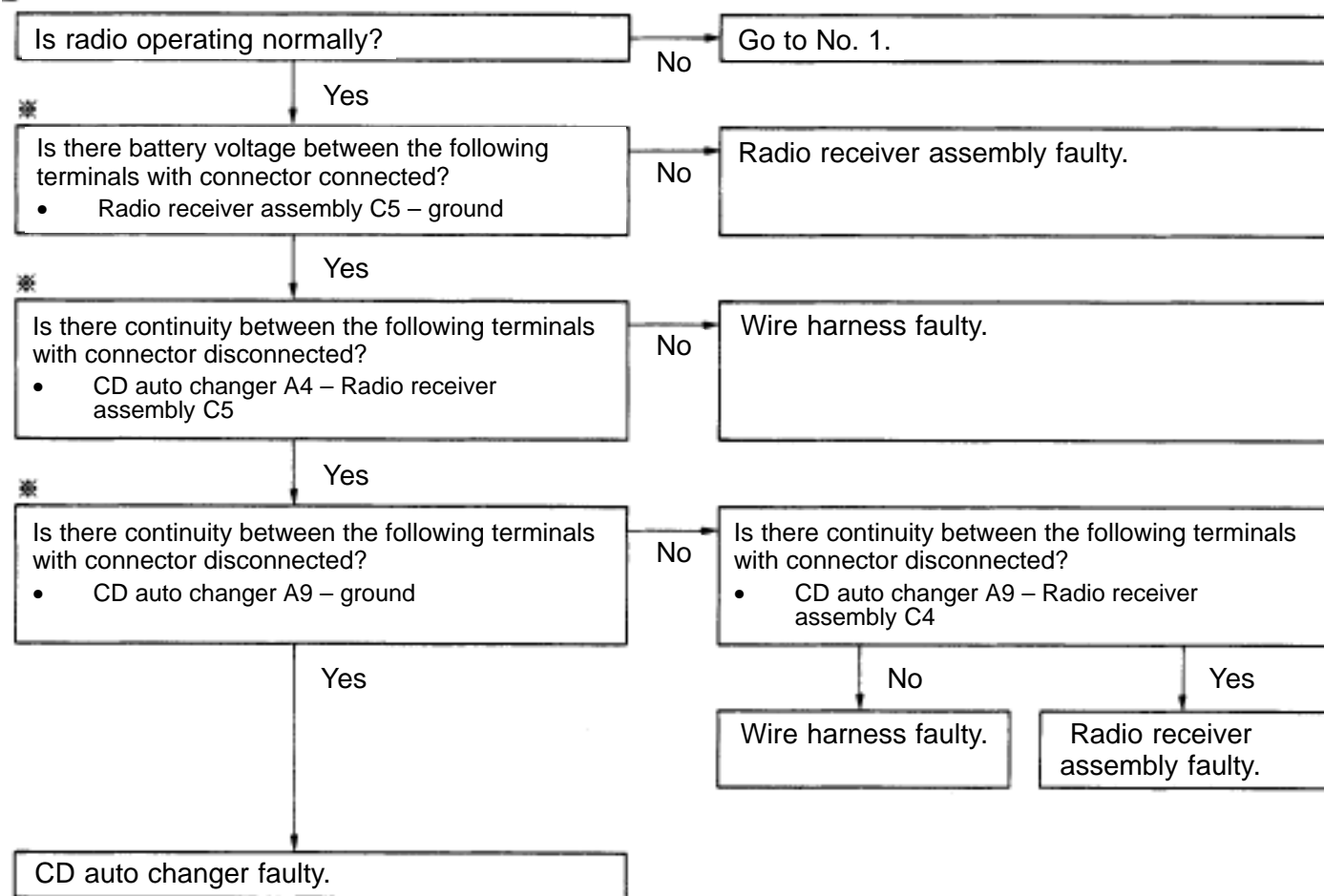
<b>18</b>	<b>Tape player</b>	<b>SOUND QUALITY POOR</b>
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**A. without CD player type****B. with CD player type**

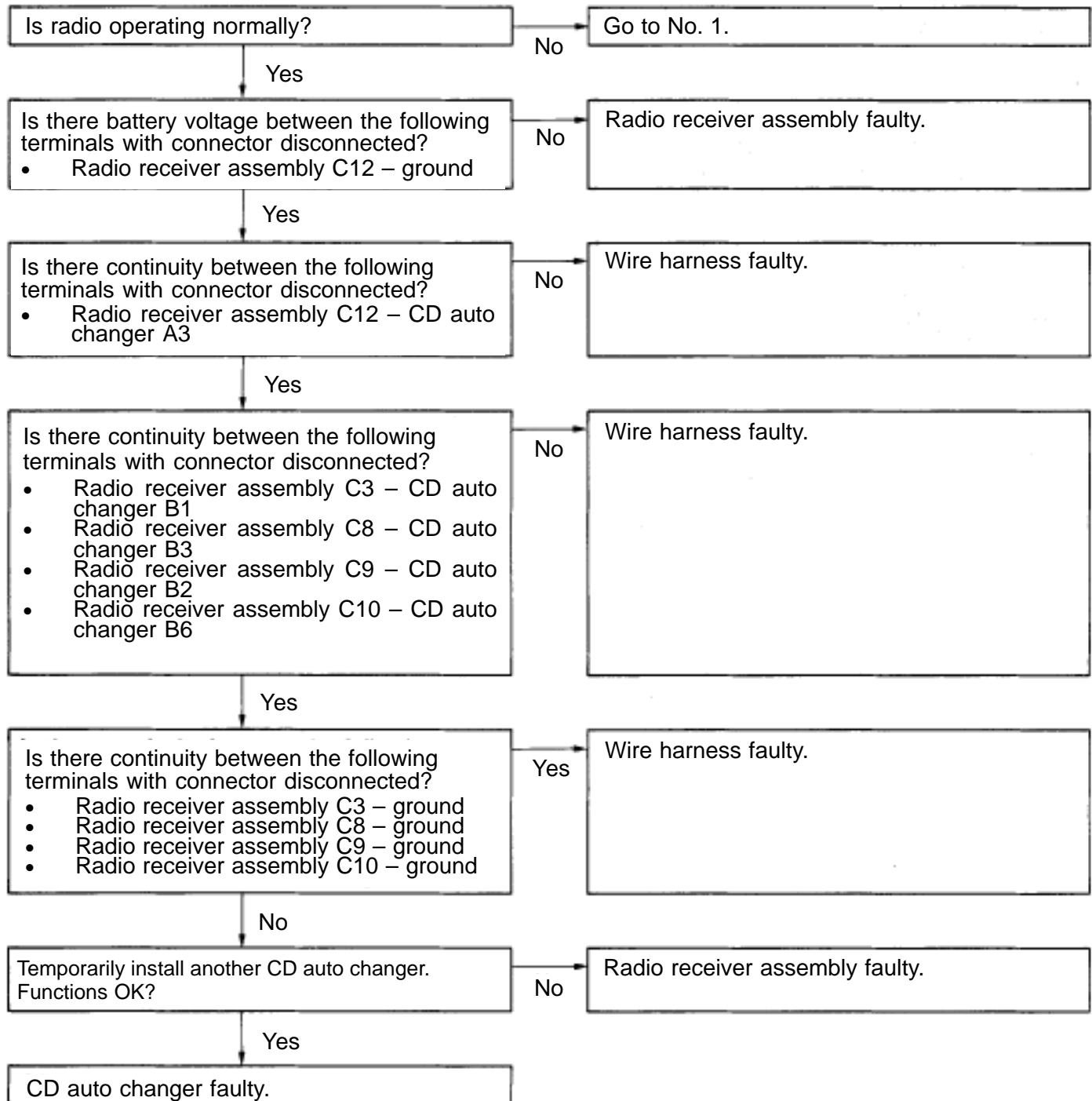
<b>19</b>	<b>Tape player</b>	<b>VOLUME REMAINS AT MAXIMUM LEVEL</b>
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**A. without CD player type****B. with CD player type**

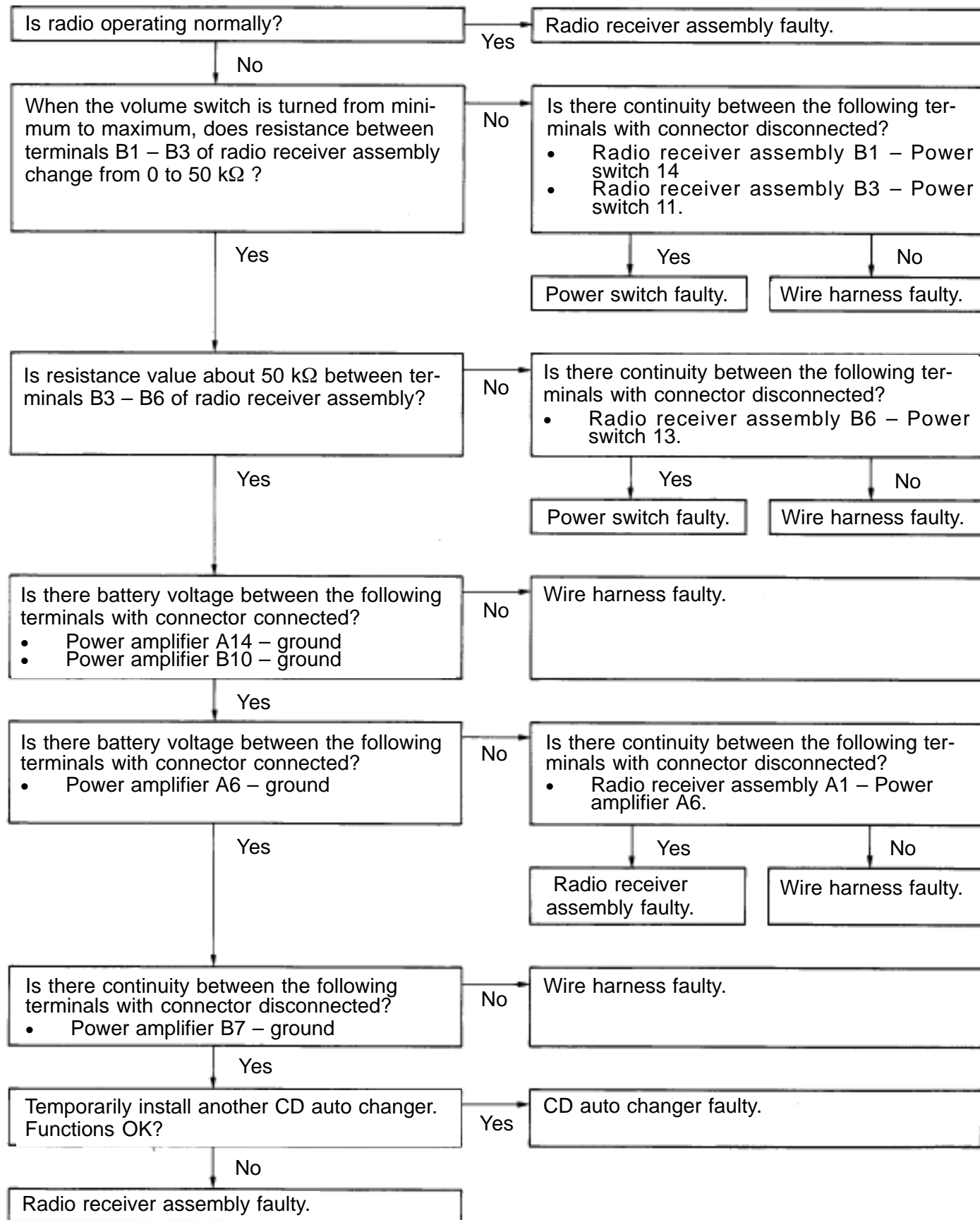
20	CD player	<b>MAGAZINE CANNOT BE INSERTED INTO AUTO CHANGER</b>
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<b>21</b>	<b>CD Player</b>	<b>MAGAZINE IS INSERTED, BUT DISPLAY DOES NOT INDICATE “CD”</b>
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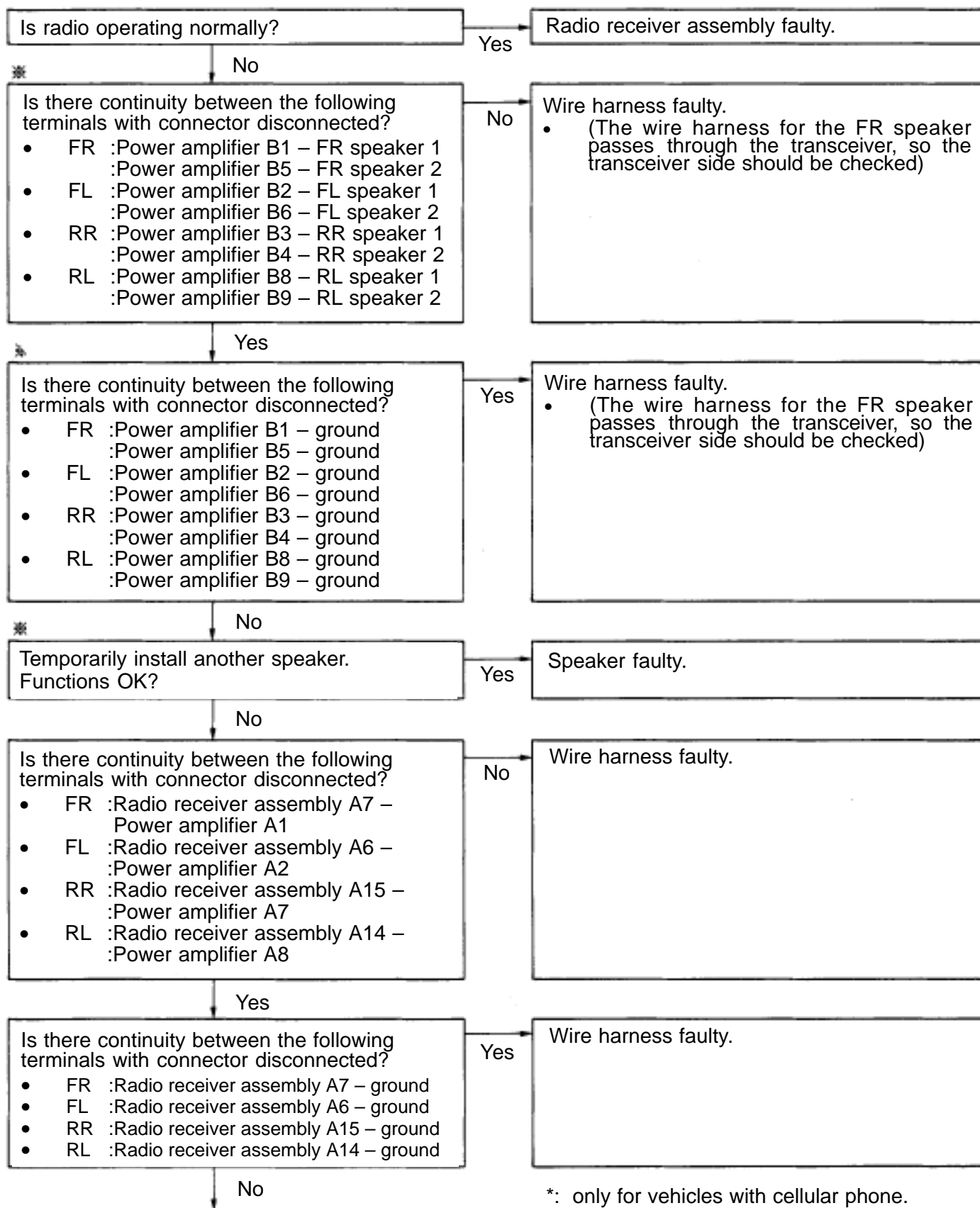


<b>22</b>	<b>CD player</b>	<b>DISPLAY INDICATES, BUT NO SOUND IS PRODUCED (EXCEPT WOOFER)</b>
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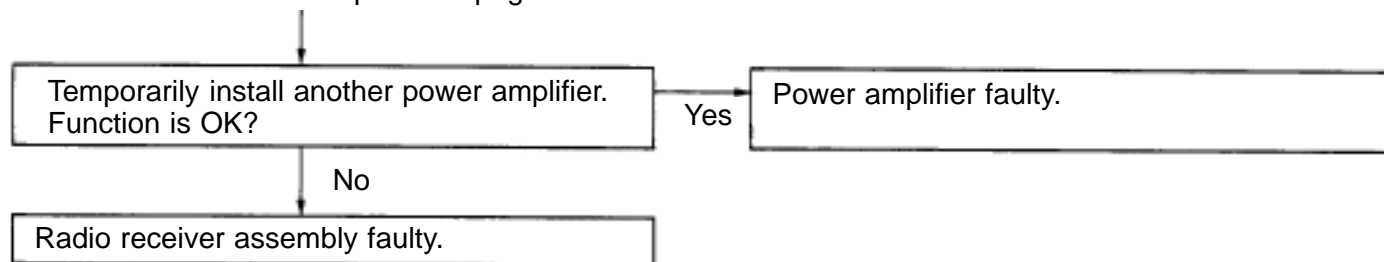
<b>23</b>	<b>CD player</b>	<b>ANY SPEAKER DOES NOT WORK (EXCEPT WOOFER)</b>
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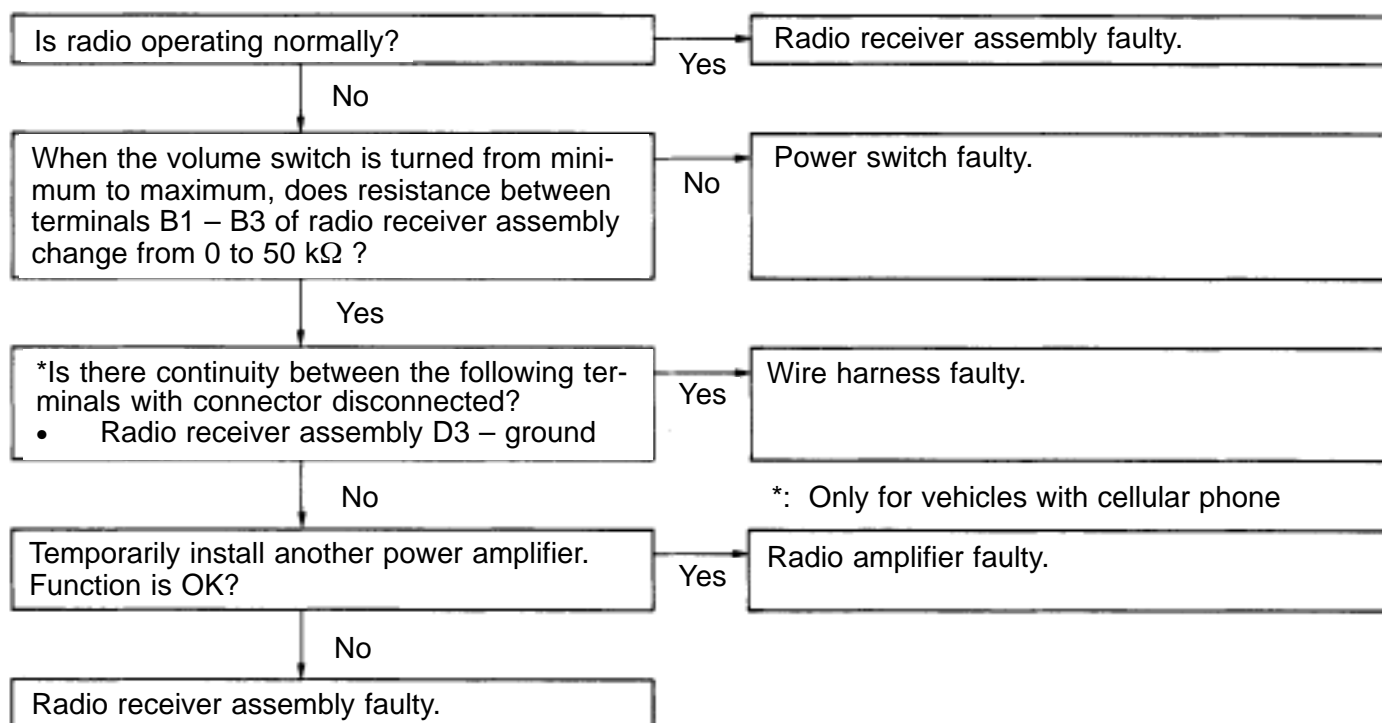
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\*: only for vehicles with cellular phone.

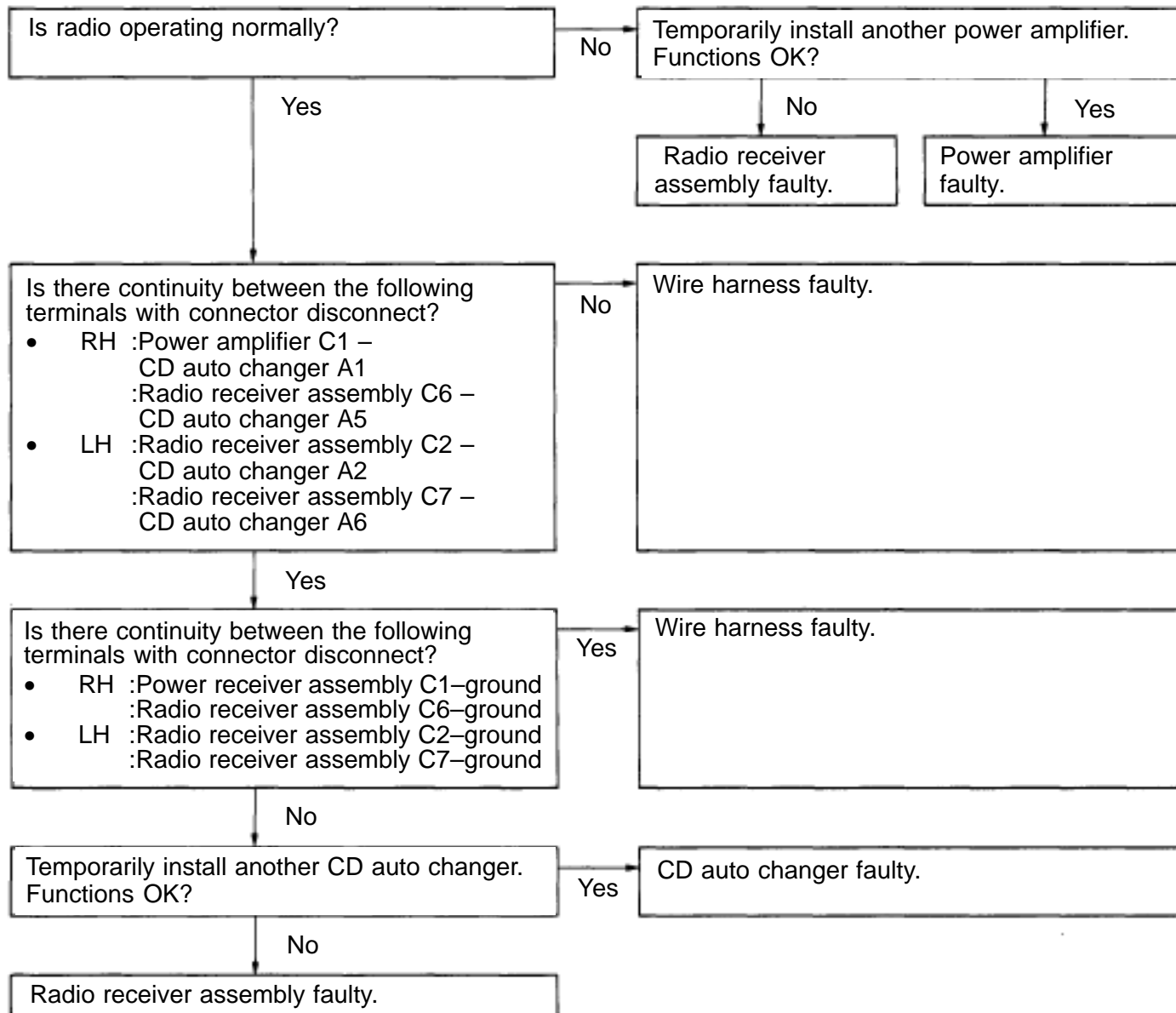
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<b>24</b>	<b>CD player</b>	<b>VOLUME FAINT (EXCEPT WOOFER)</b>
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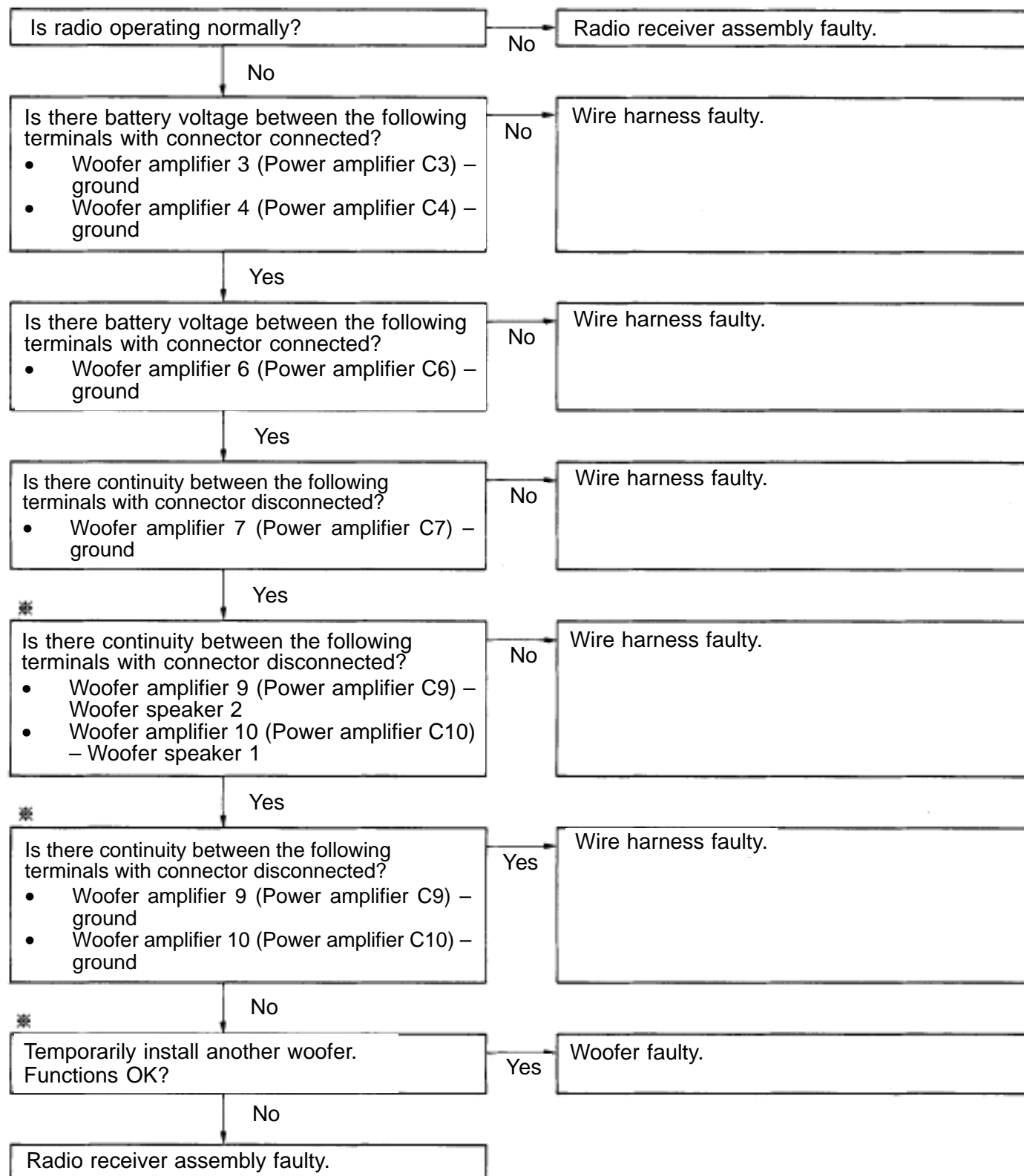


<b>25</b>	<b>CD player</b>	<b>RH CHANNEL OR LH CHANNEL SPEAKER VOLUME FAINT</b>
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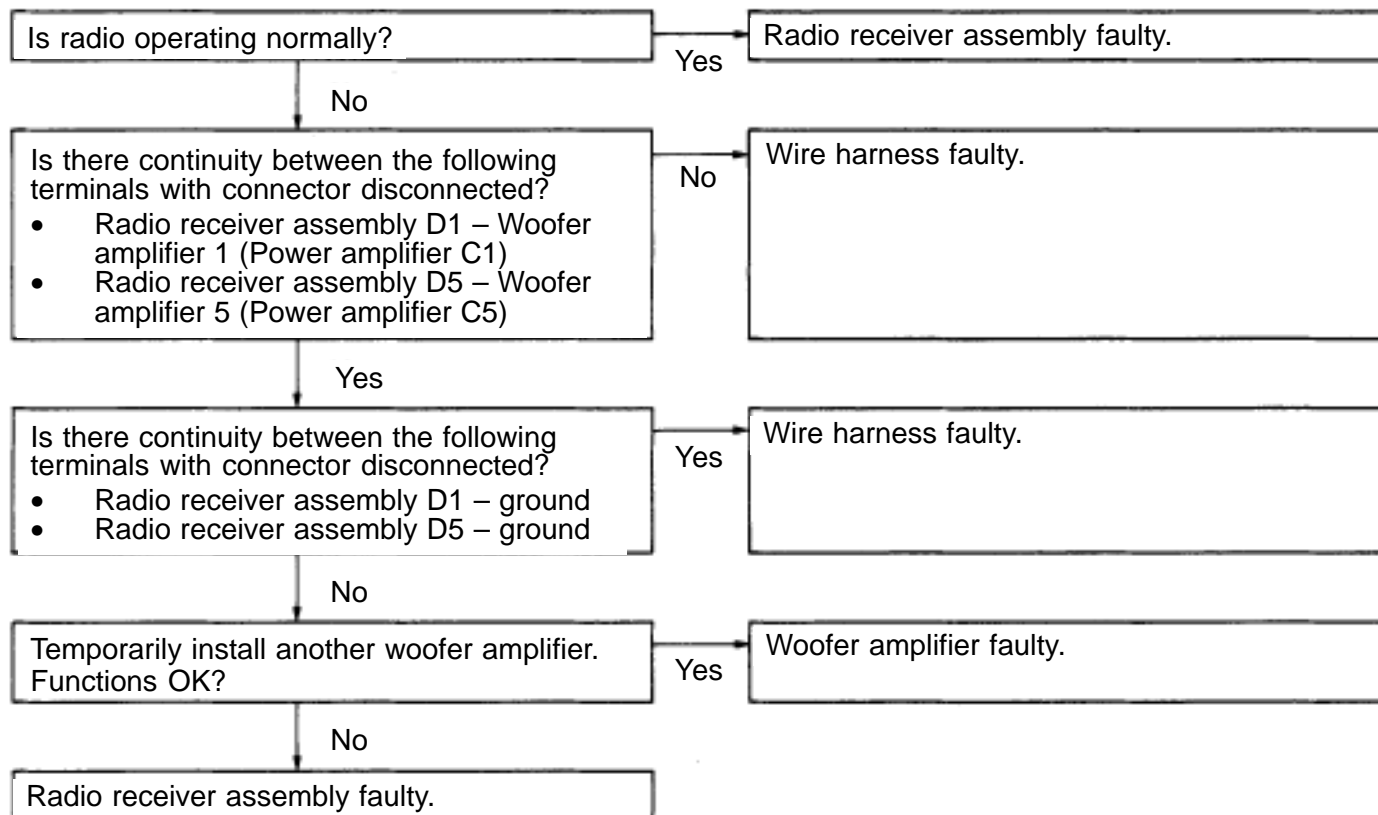
<b>26</b>	<b>CD player</b>	<b>WOOFER DOES NOT WORK</b>
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HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.

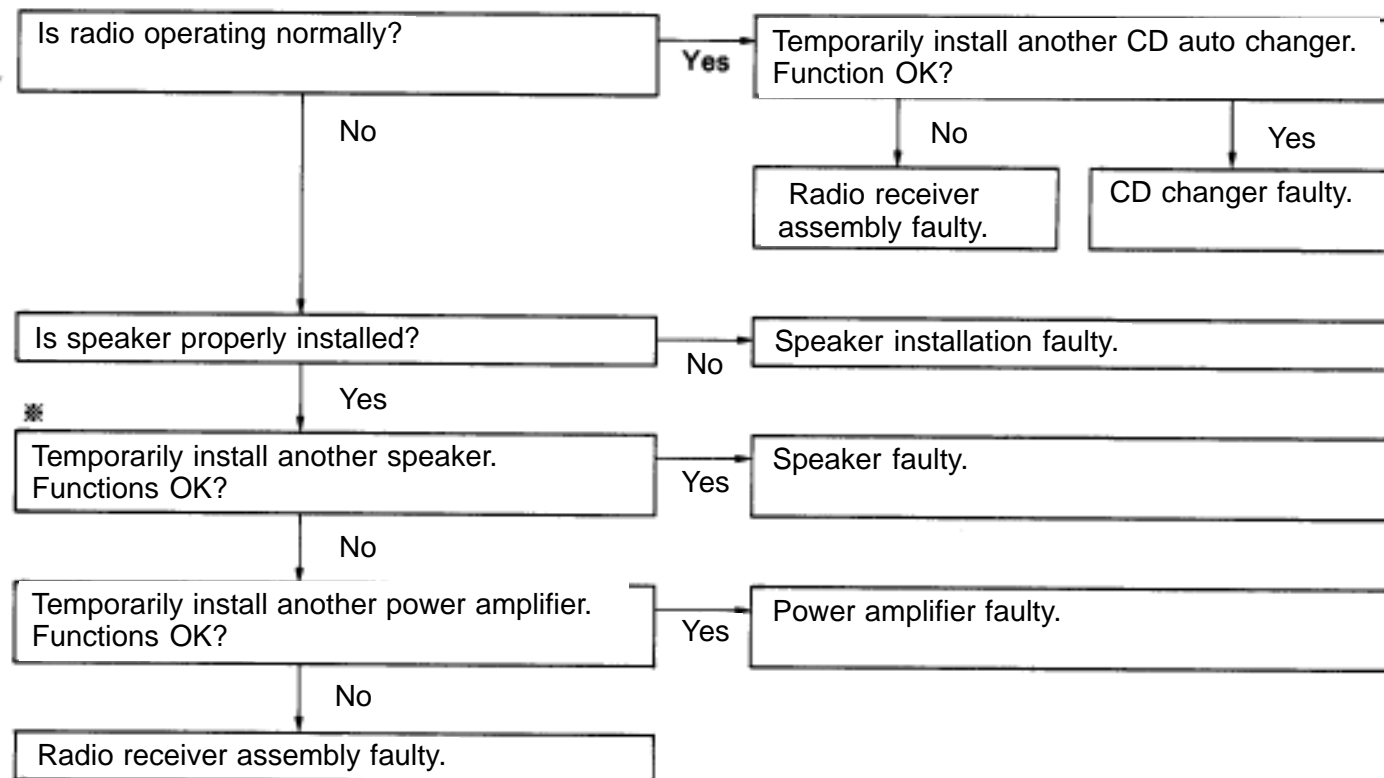


<b>27</b>	<b>CD player</b>	<b>WOOFER VOLUME FAINT</b>
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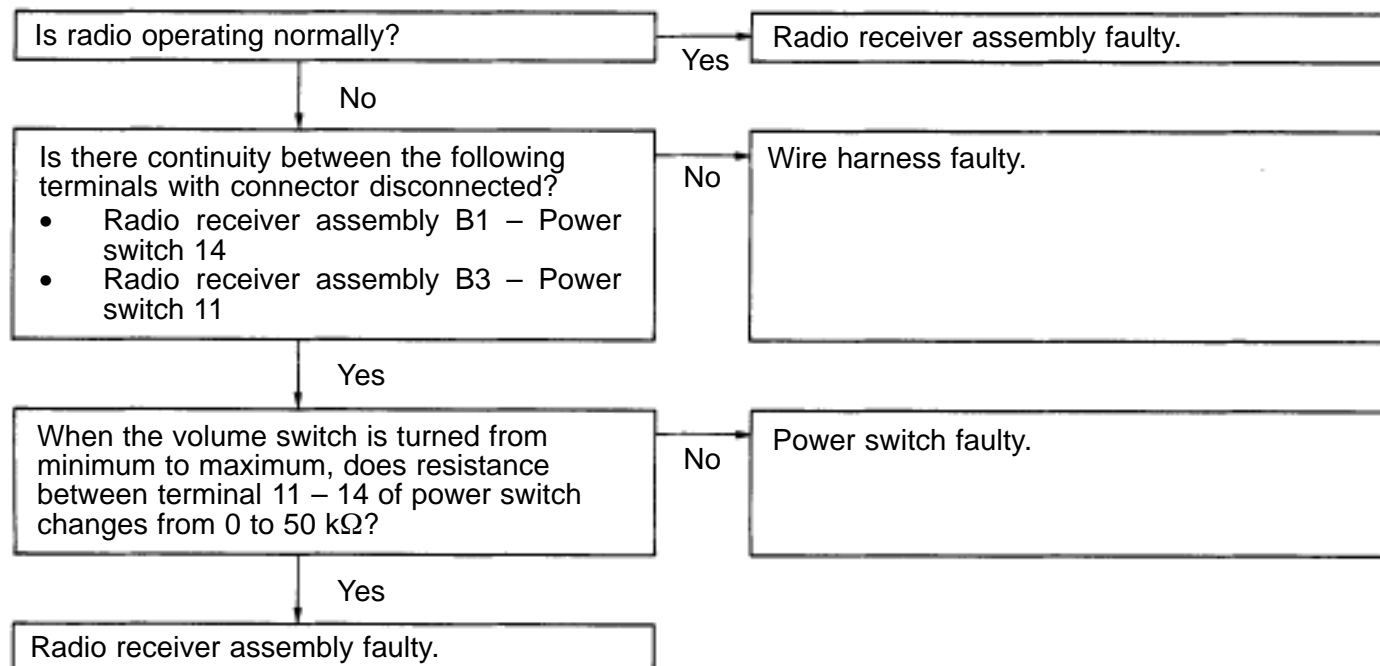
HINT: The part names and terminals indicated in brackets ( ) are for models with a Nakamichi system.



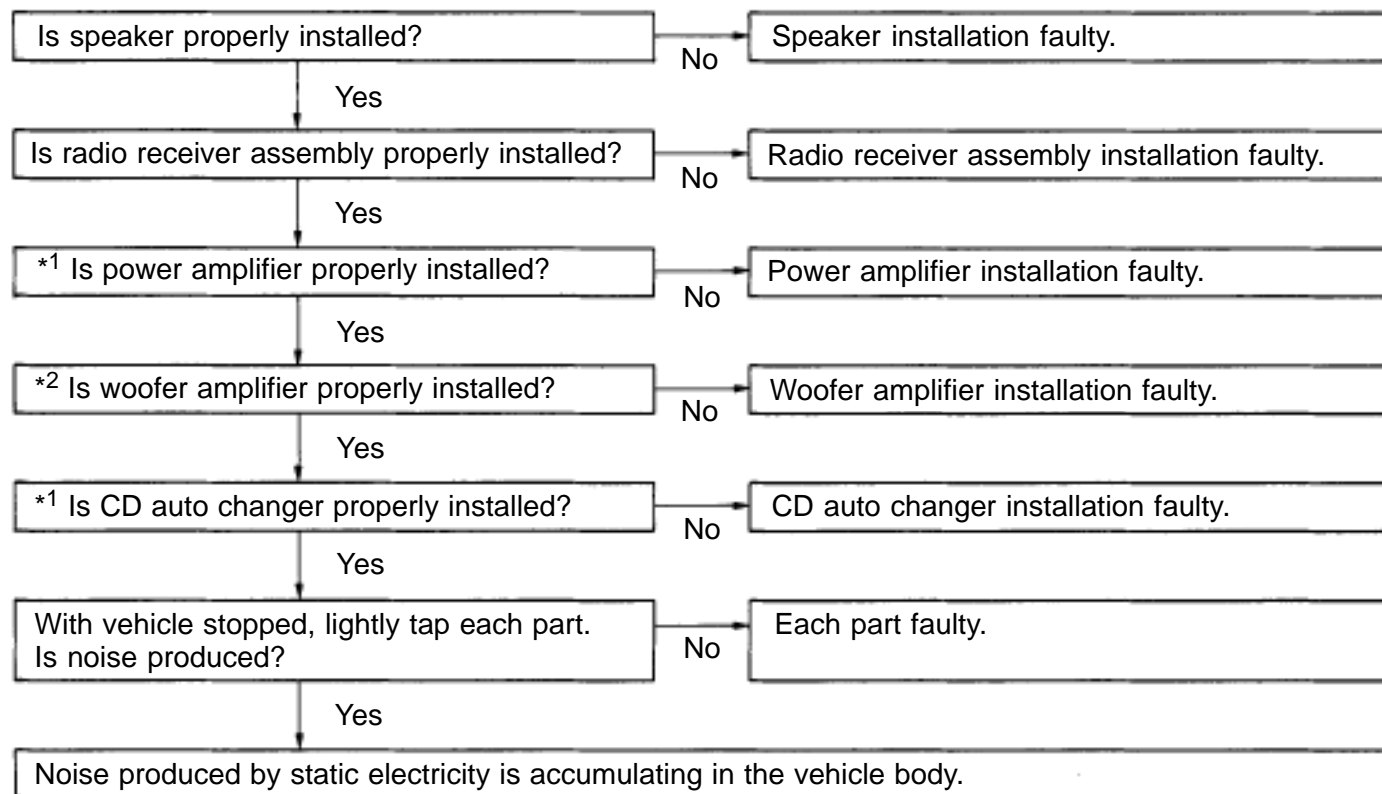
<b>28</b>	<b>CD player</b>	<b>SOUND QUALITY POOR</b>
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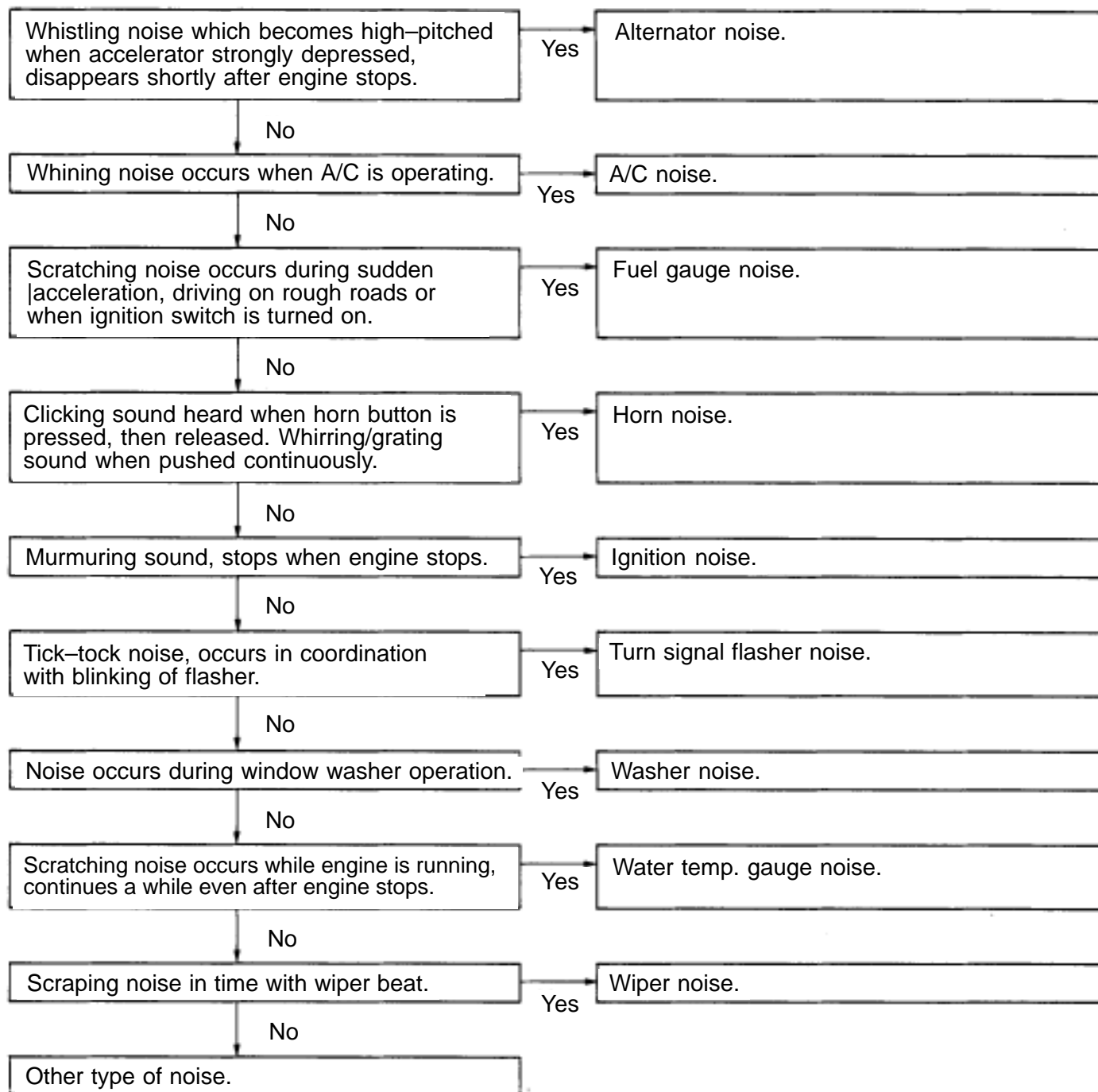
<b>29</b>	<b>CD player</b>	<b>VOLUME REMAINS AT MAXIMUM LEVEL</b>
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<b>30</b>	<b>Noise</b>	<b>NOISE PRODUCED BY VIBRATION OR SHOCK WHILE DRIVING</b>
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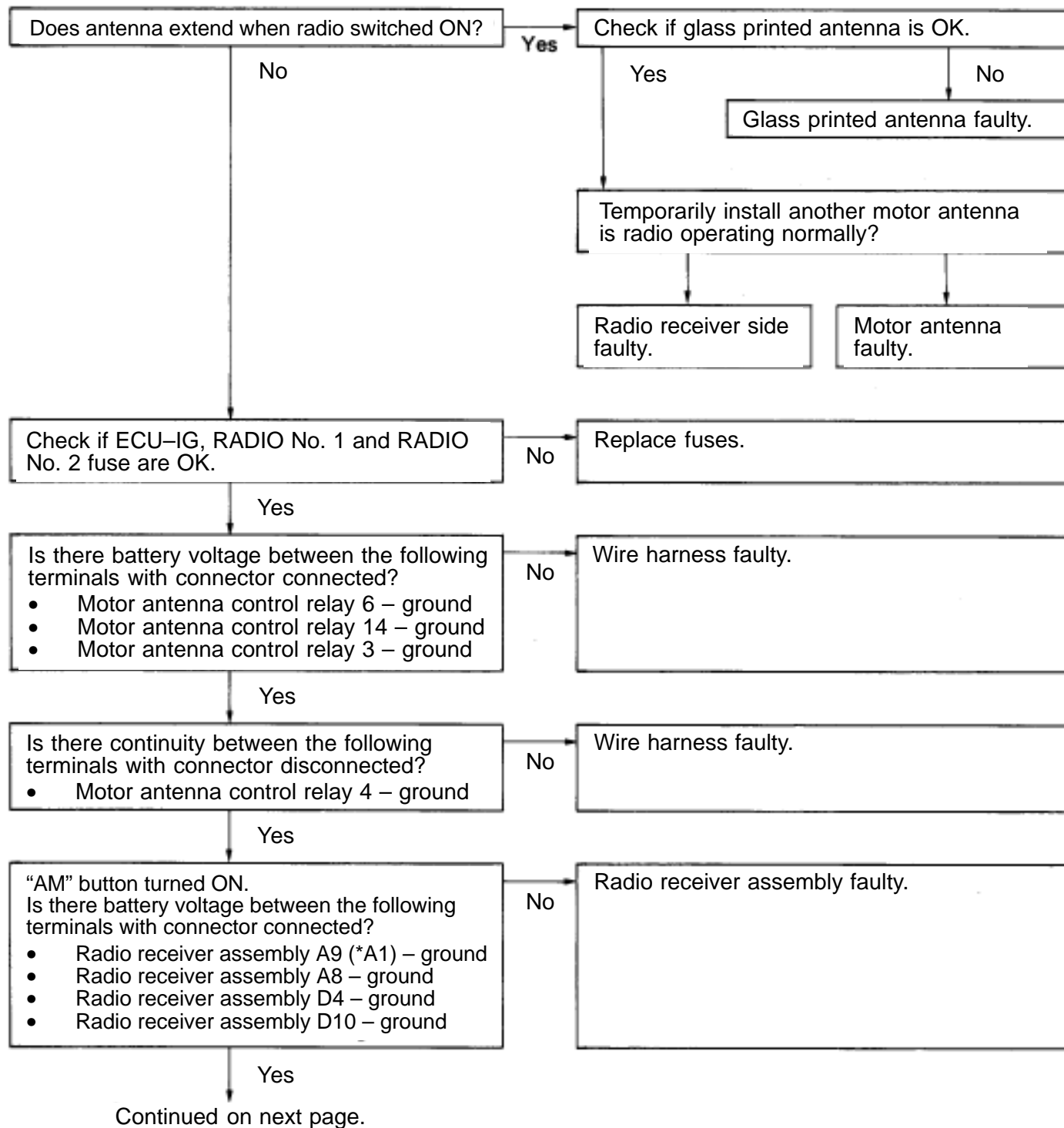


<b>31</b>	<b>Noise</b>	<b>NOISE PRODUCED ENGINE STARTS</b>
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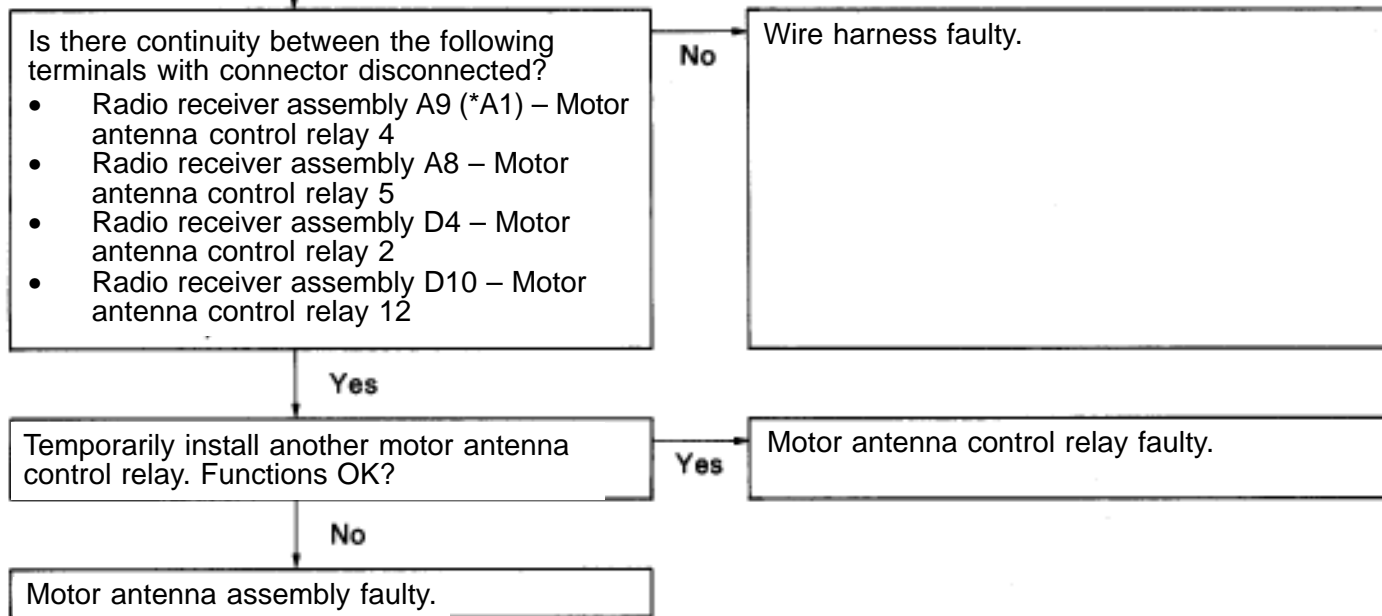


<b>32</b>	<b>Antenna</b>	<b>ANTENNA – RELATED</b>
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\*: The terminals indicated in brackets ( ) are for models with CD player system.

Continued from previous page



\*: The terminals indicated in brackets ( ) are for models with CD player system.