

TROUBLESHOOTING

NOTICE:

When replacing the internal mechanism (ECU part) of the radio 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 and used to inspect the CD player.

The portions indicated by + on the flow charts on the following pages can be inspected using a CHECKER.

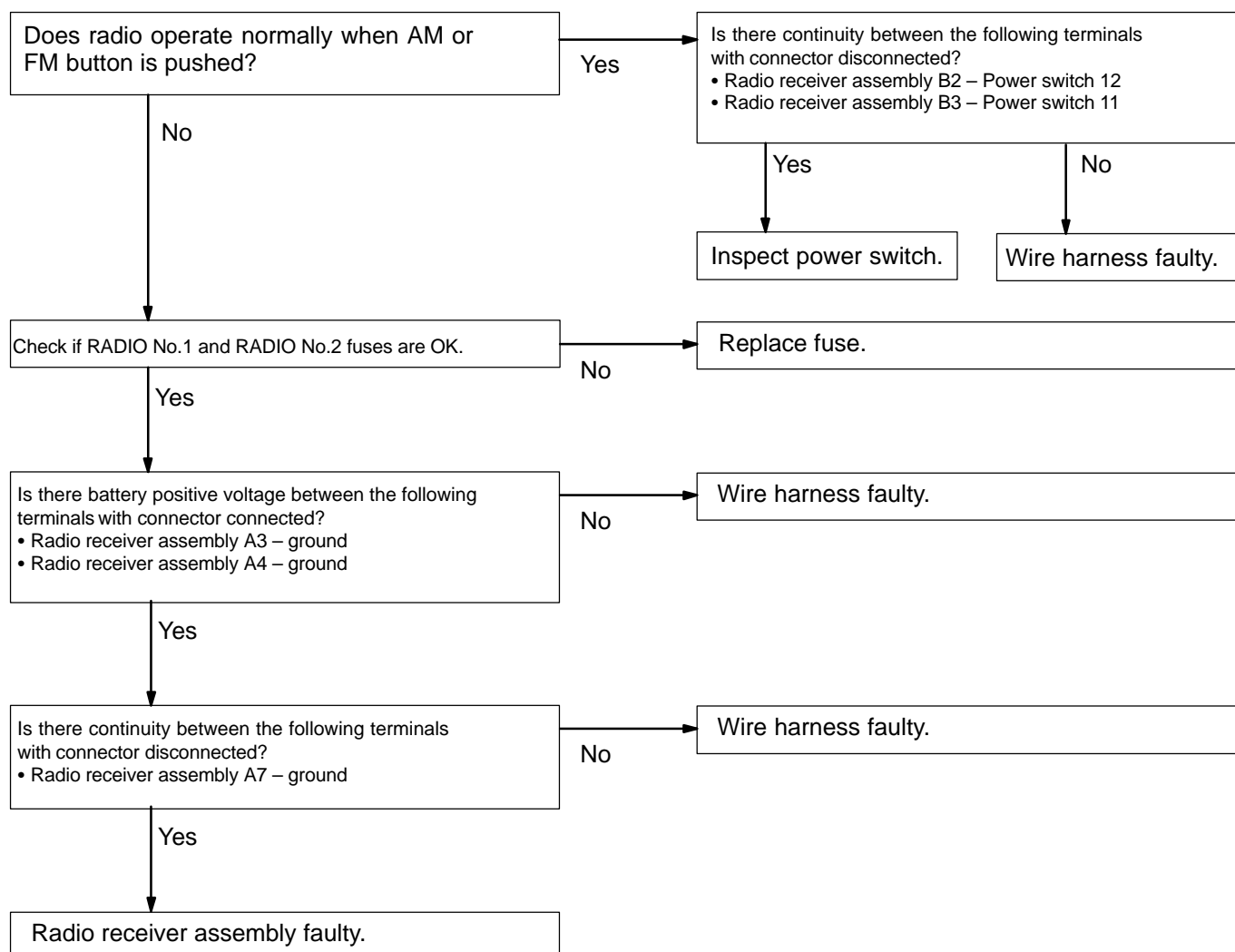
	Problem	No.
Radio	Radio not operating when power switch turned to "ON"	1
	Display indicates when power switch turned to "ON", but no sound (including "noise") is produced (except woofer).	2
	Noise present, but AM – FM not operating.	3
	Any speaker does not work (except woofer).	4
	Volume faint (except 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

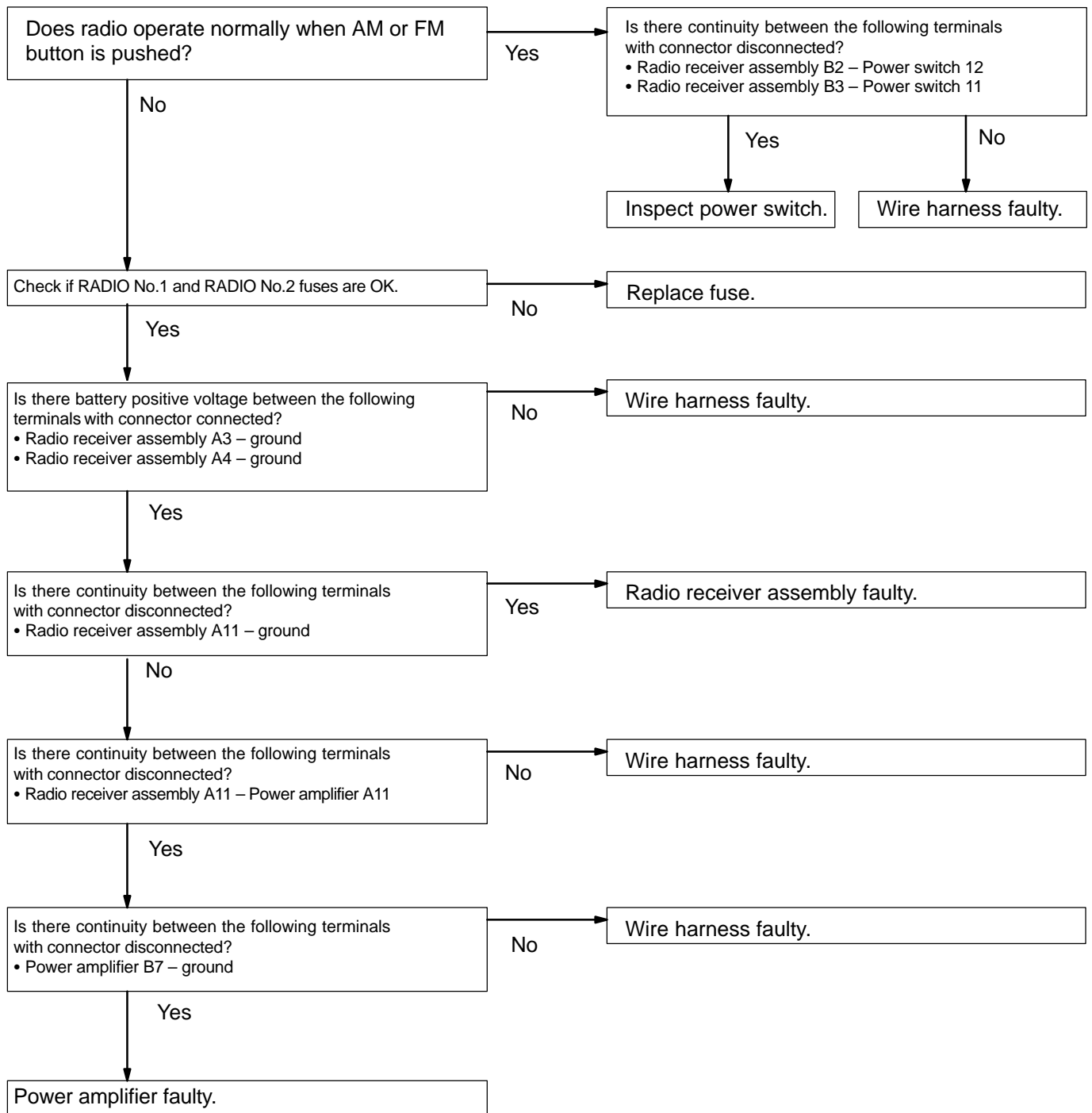
	Woofer does not work.	26
	Woofer volume faint.	27
	Sound quality poor.	28
	Volume remains at maximum level.	29
Noise	Noise produced by vibration or shock while driving.	30
	Noise produced when engine starts.	31
Antenna	Antenna does not fully extend or fully retract	32
	Antenna – related.	33

For instructions on how to connect the checker to the vehicle and how to use the checker, please refer to instruction Manual for AUDIO SYSTEM CHECKER or CD PLAYER CHECKER.

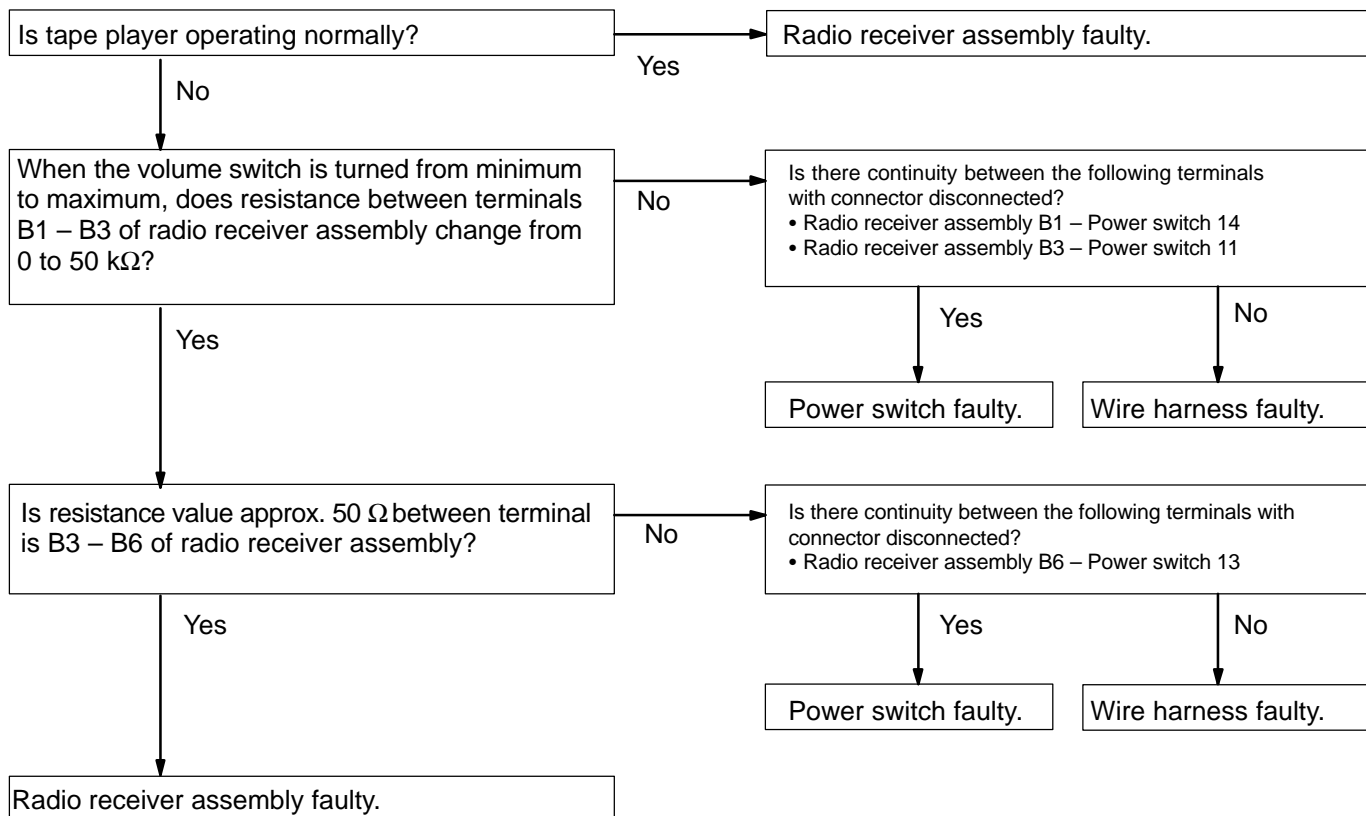
1	Radio	RADIO NOT OPERATING WHEN POWER SWITCH TURNED TO "ON"
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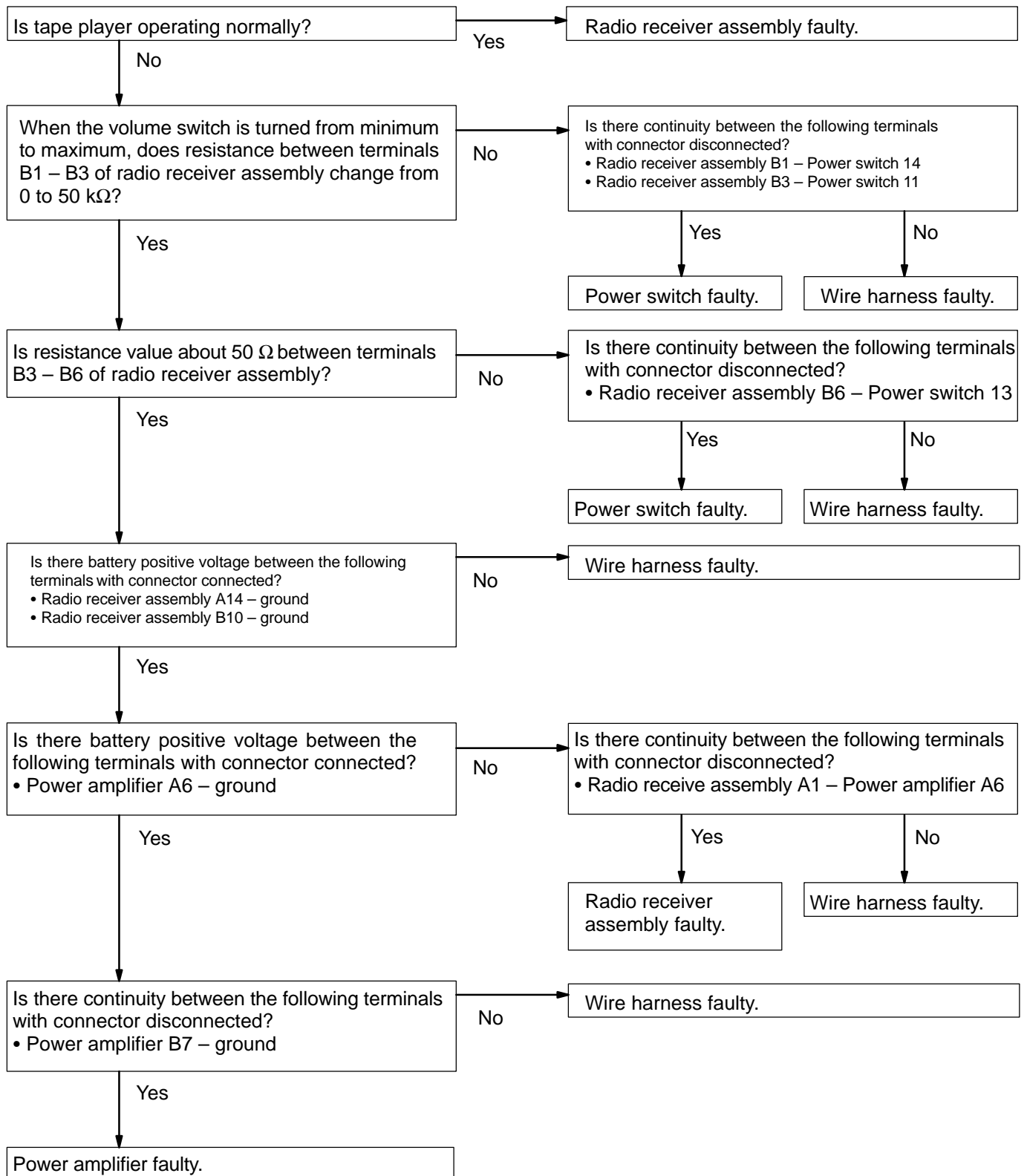
A. without CD player type



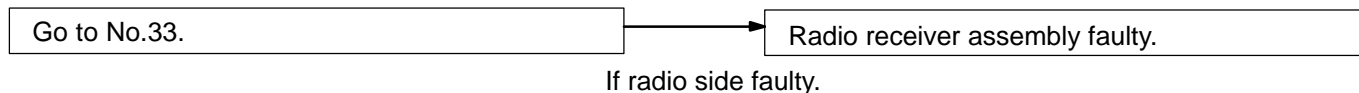
B. with CD player type

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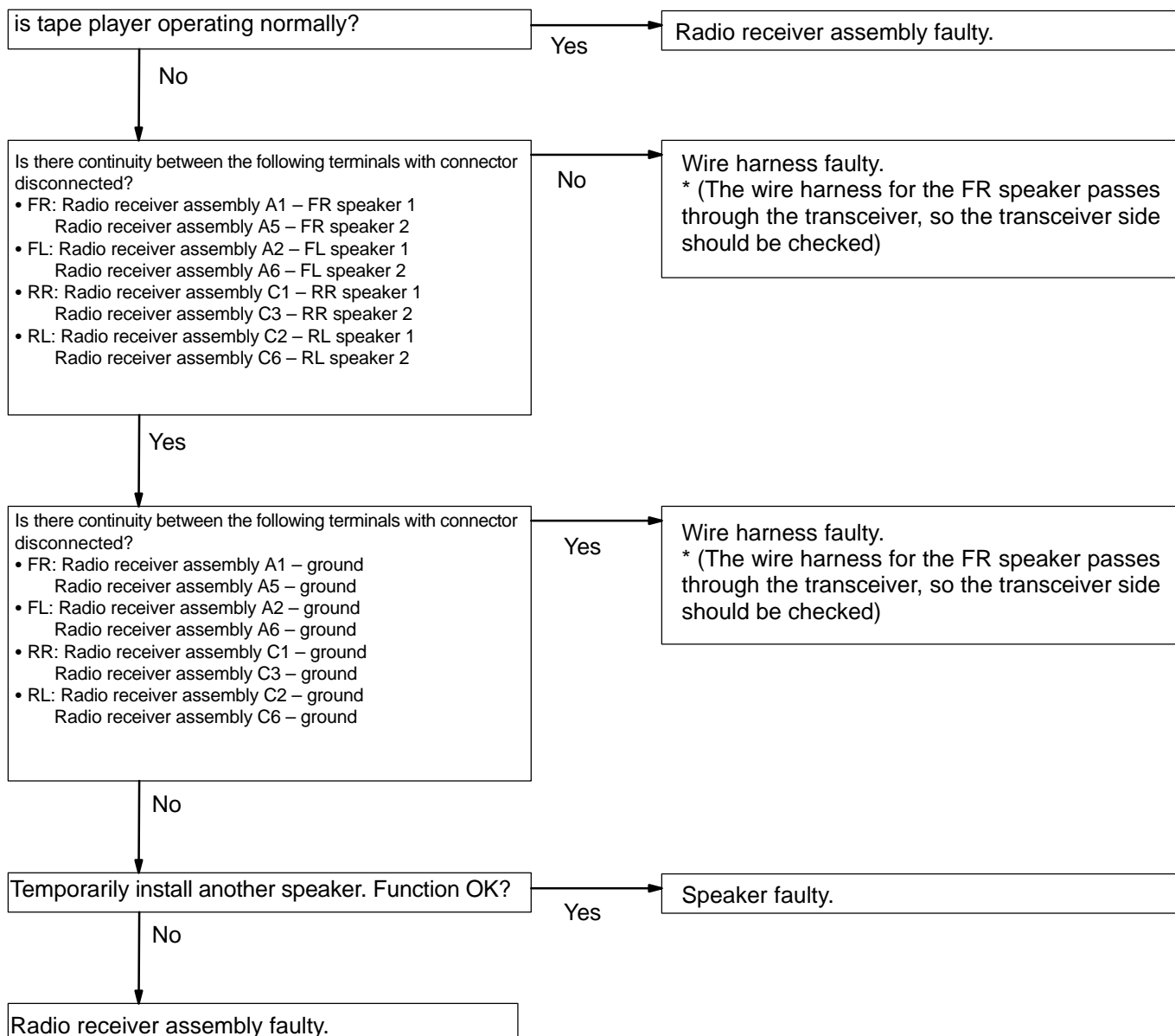
A. without CD player type

B. without CD player type

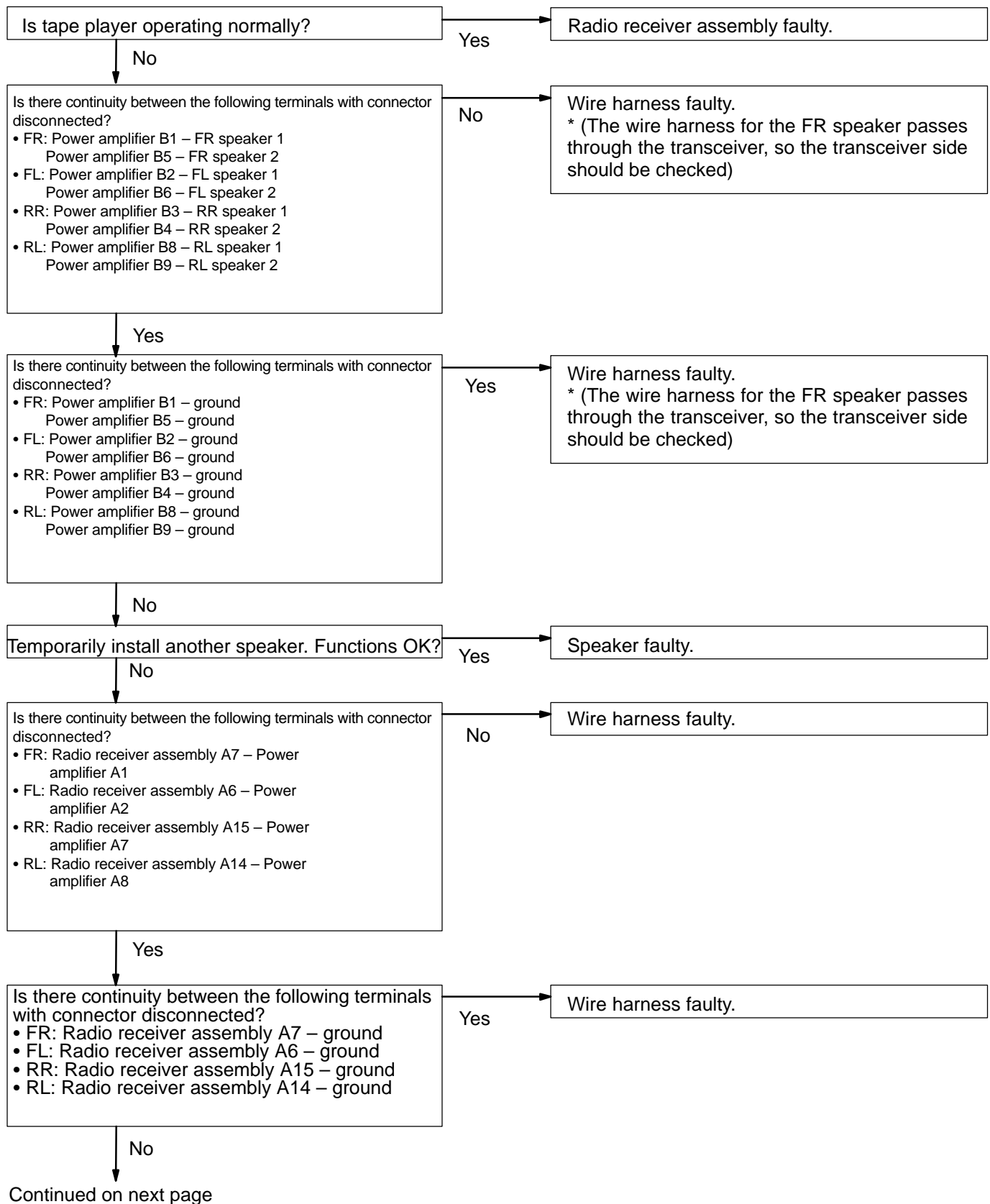
3	Radio	NOISE PRESENT, BUT AM – FM NOT OPERATING
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4	Radio	ANY SPEAKER DOES NOT WORK (EXCEPT WOOFER)
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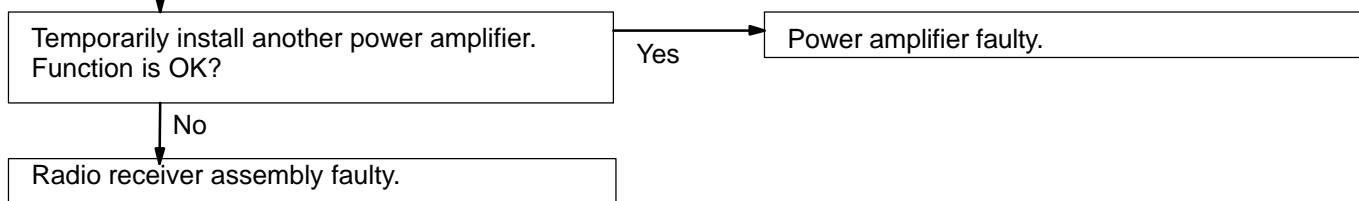
A. without CD player type

*: only for vehicles with cellular phone.

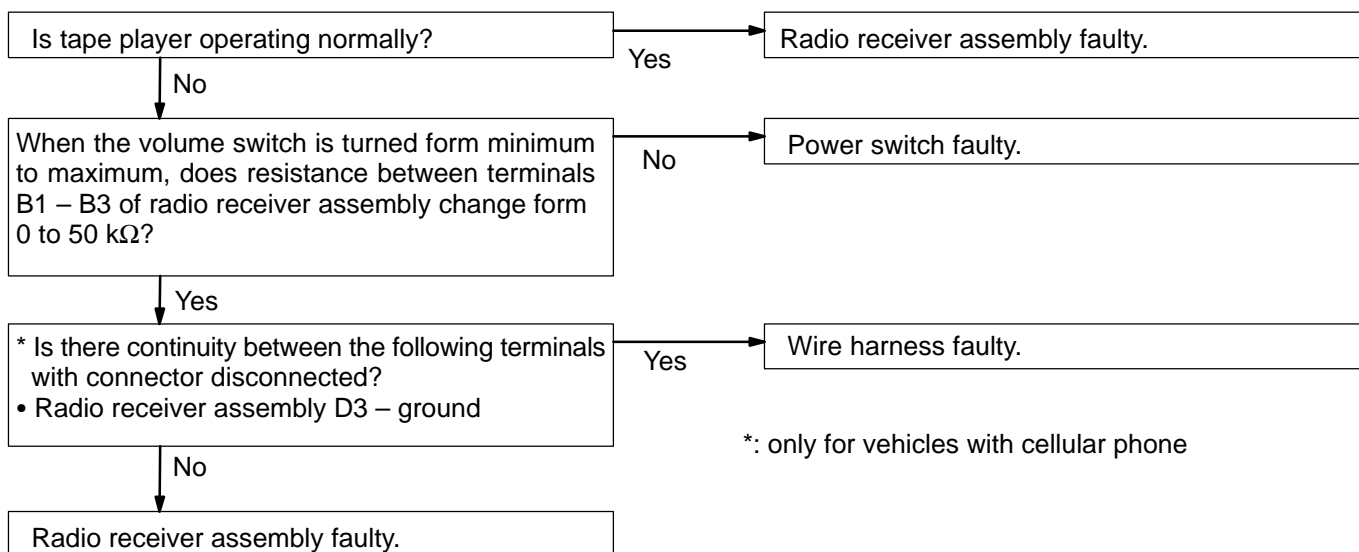
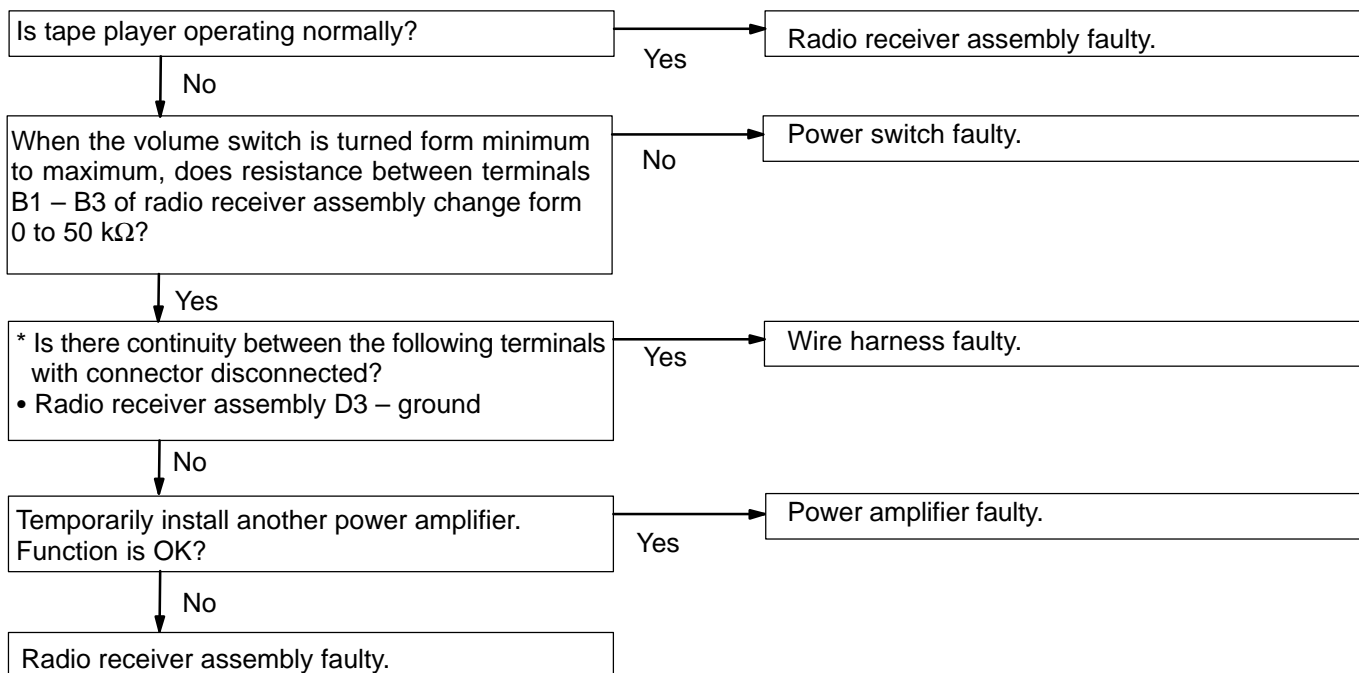
B. with CD player type

*: only for vehicles with cellular phone

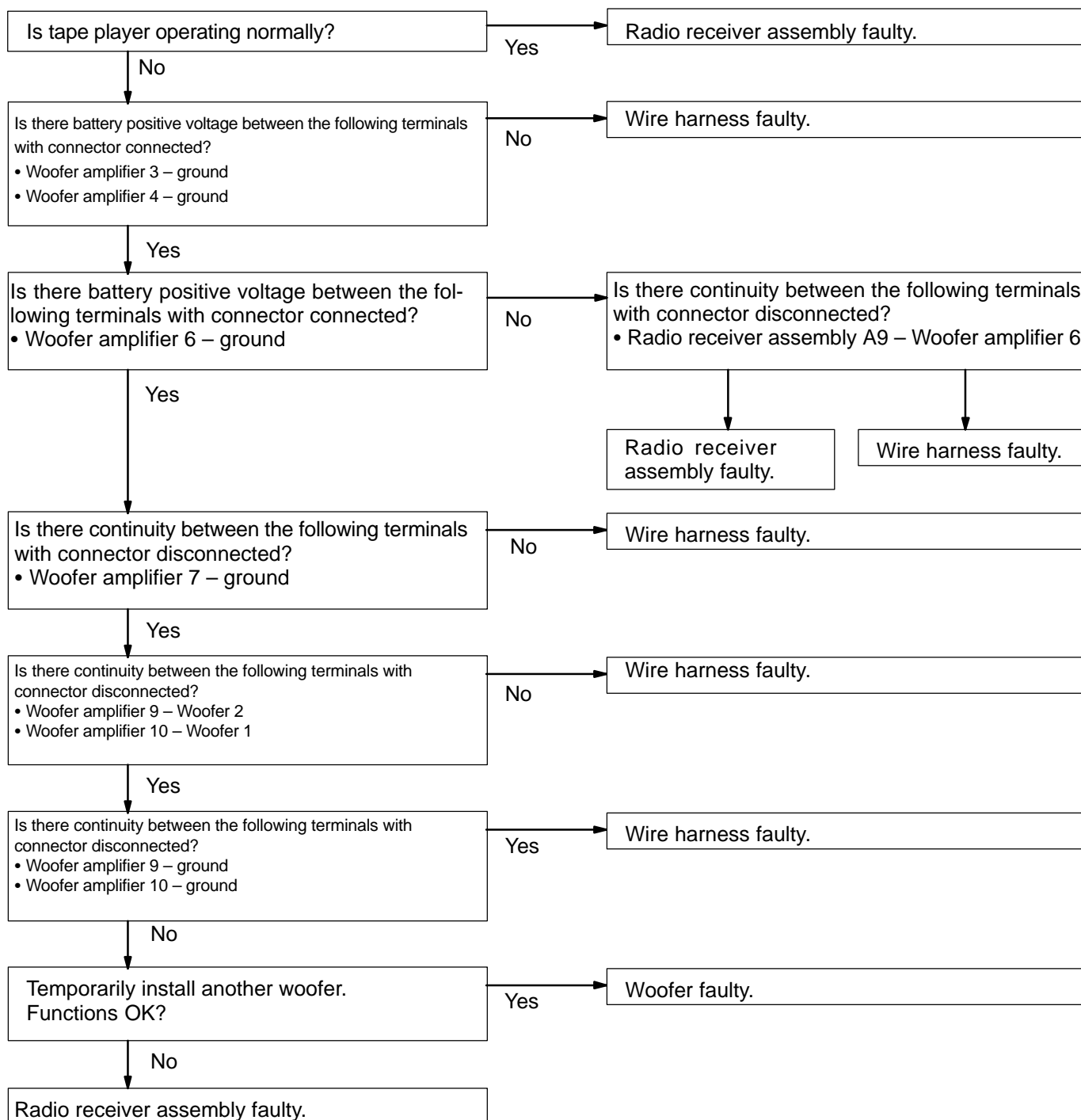
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5	Radio	VOLUME FAINT (EXCEPT WOOFER)
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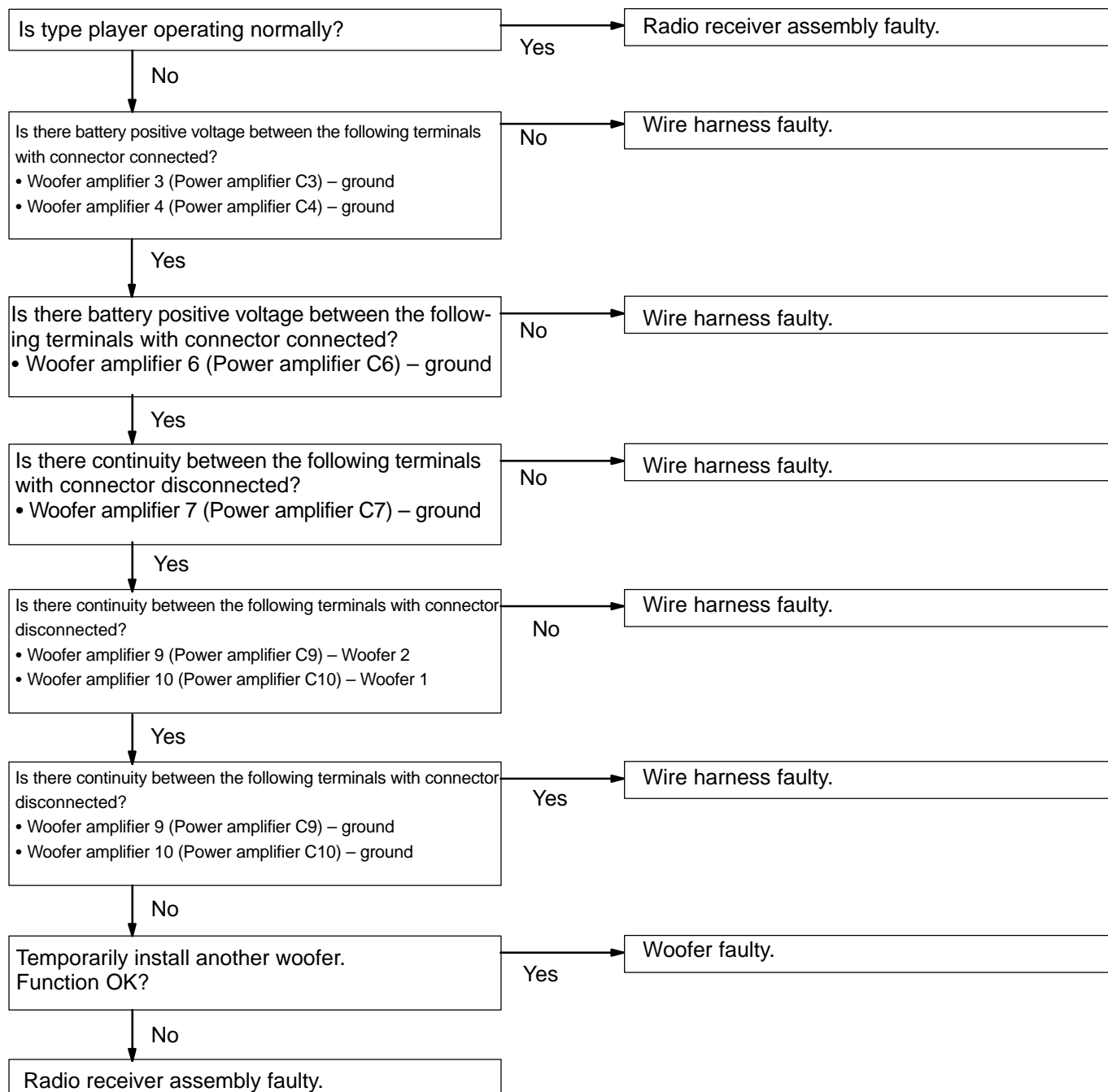
A. without CD player**B. with CD player**

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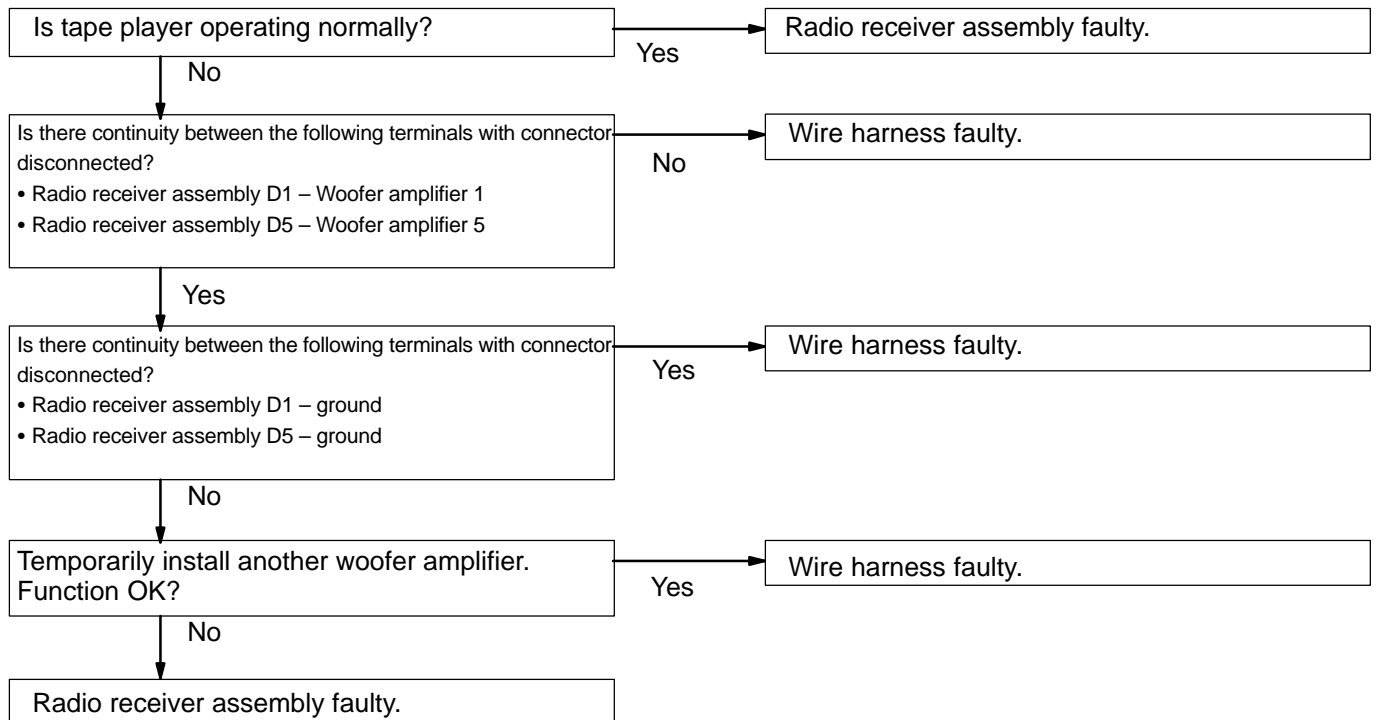
A. without CD player type

B. with CD player type

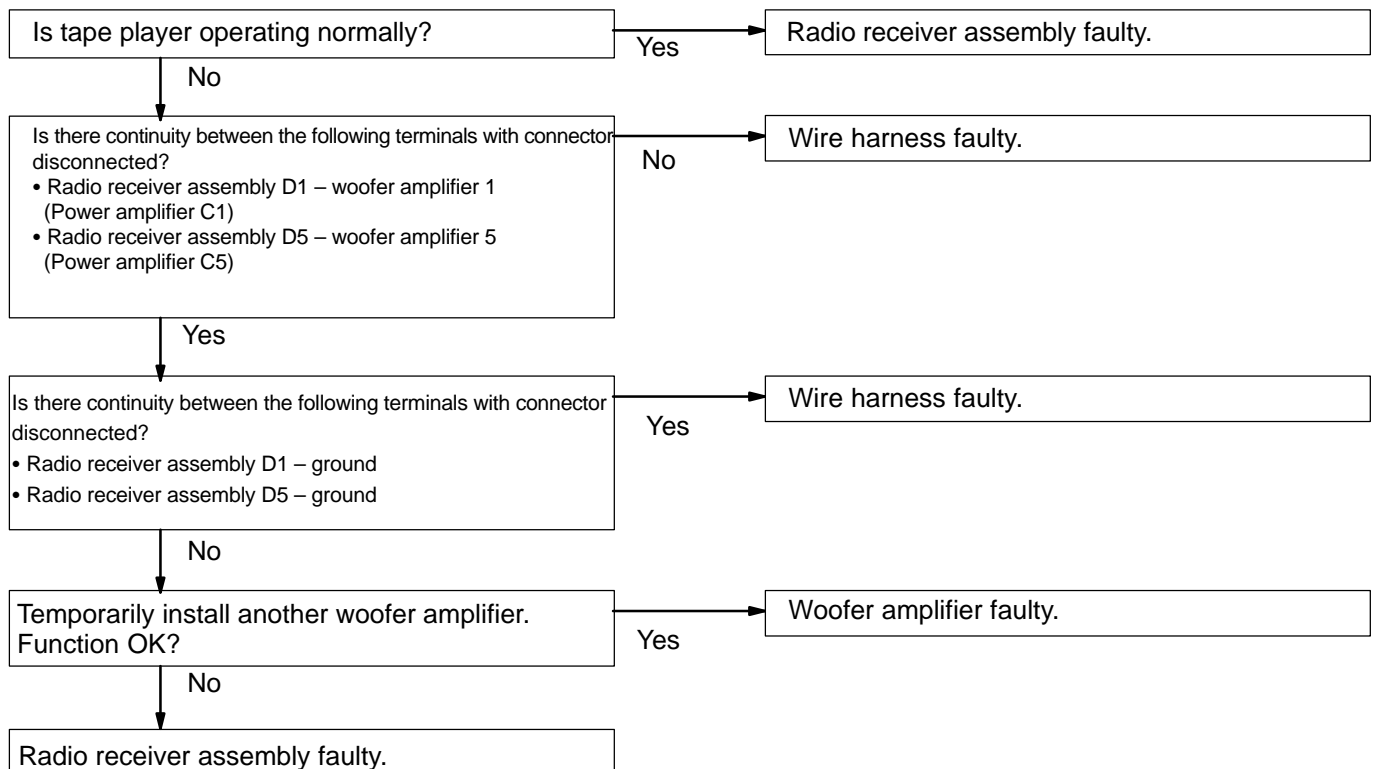
HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.



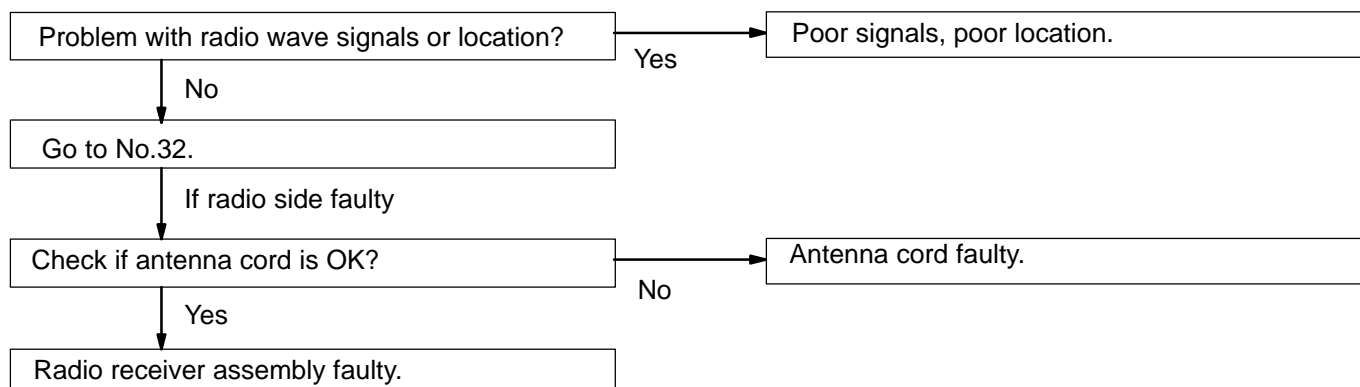
7	Radio	WOOFER VOLUME FAINT
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A. without CD player type**B. with CD player type**

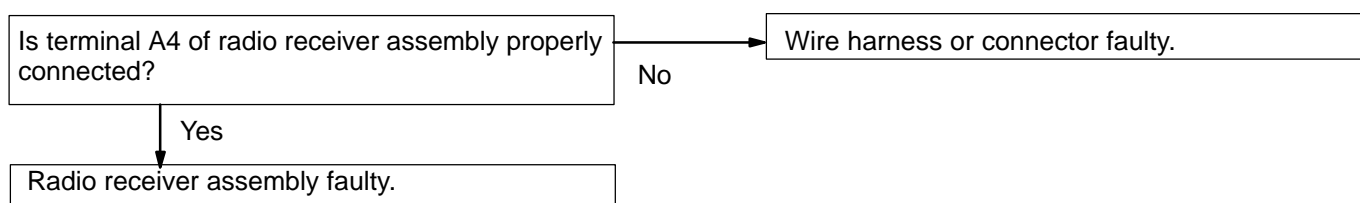
HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.



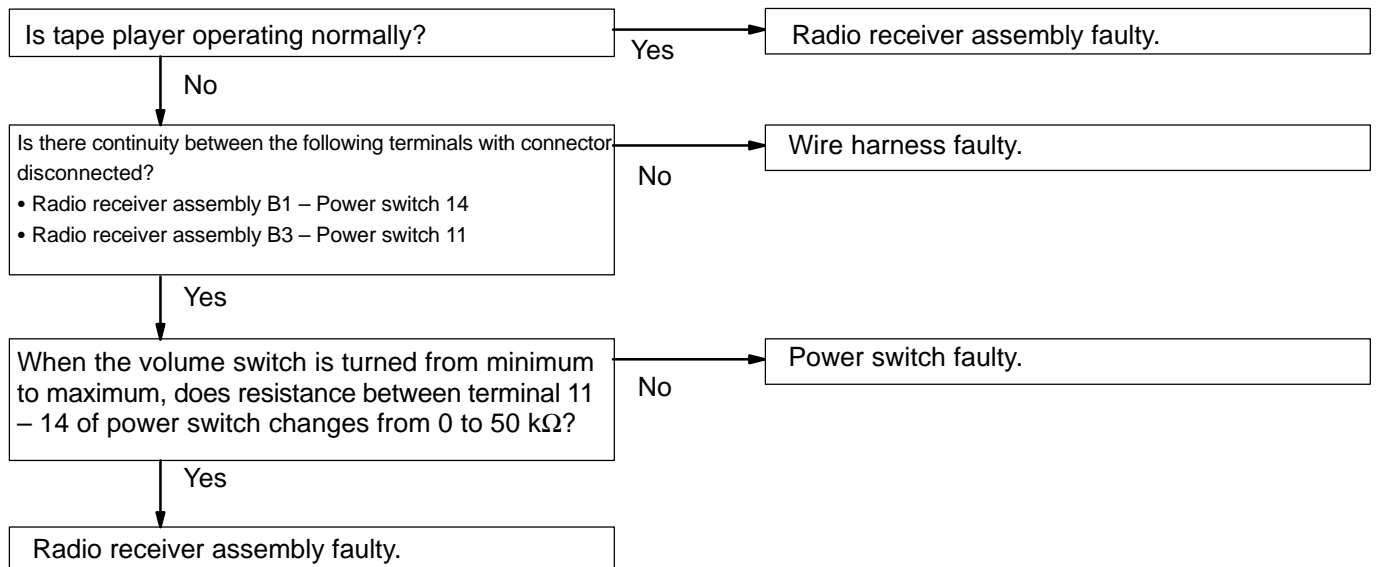
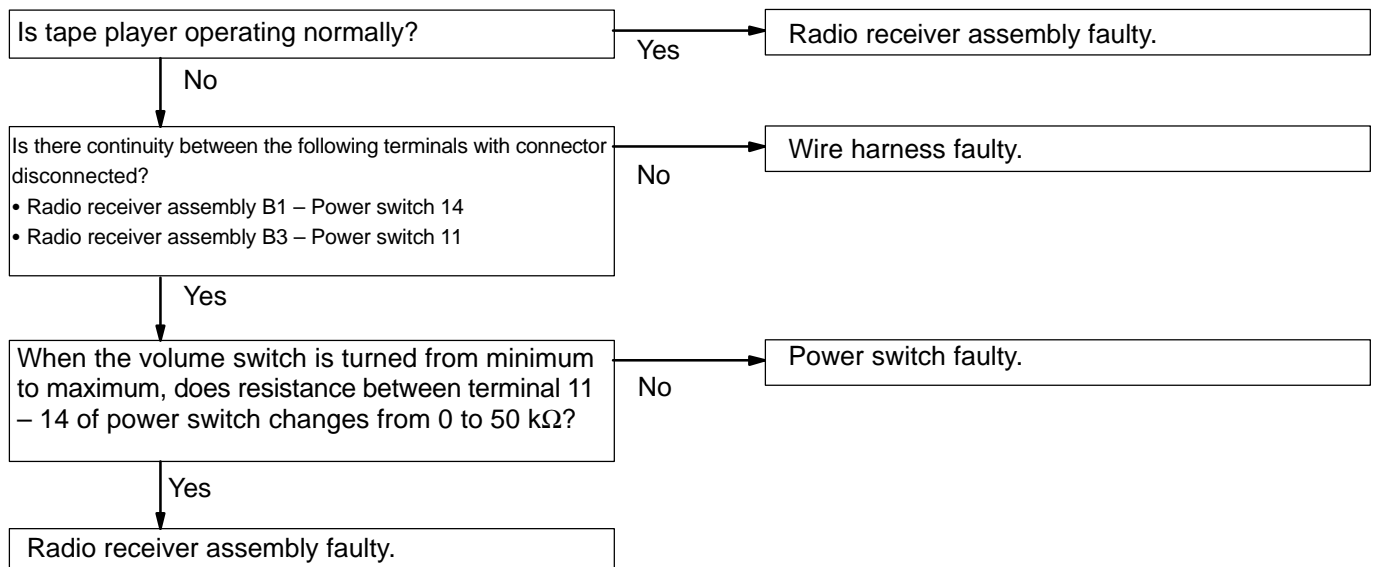
8	Radio	RECEPTION POOR
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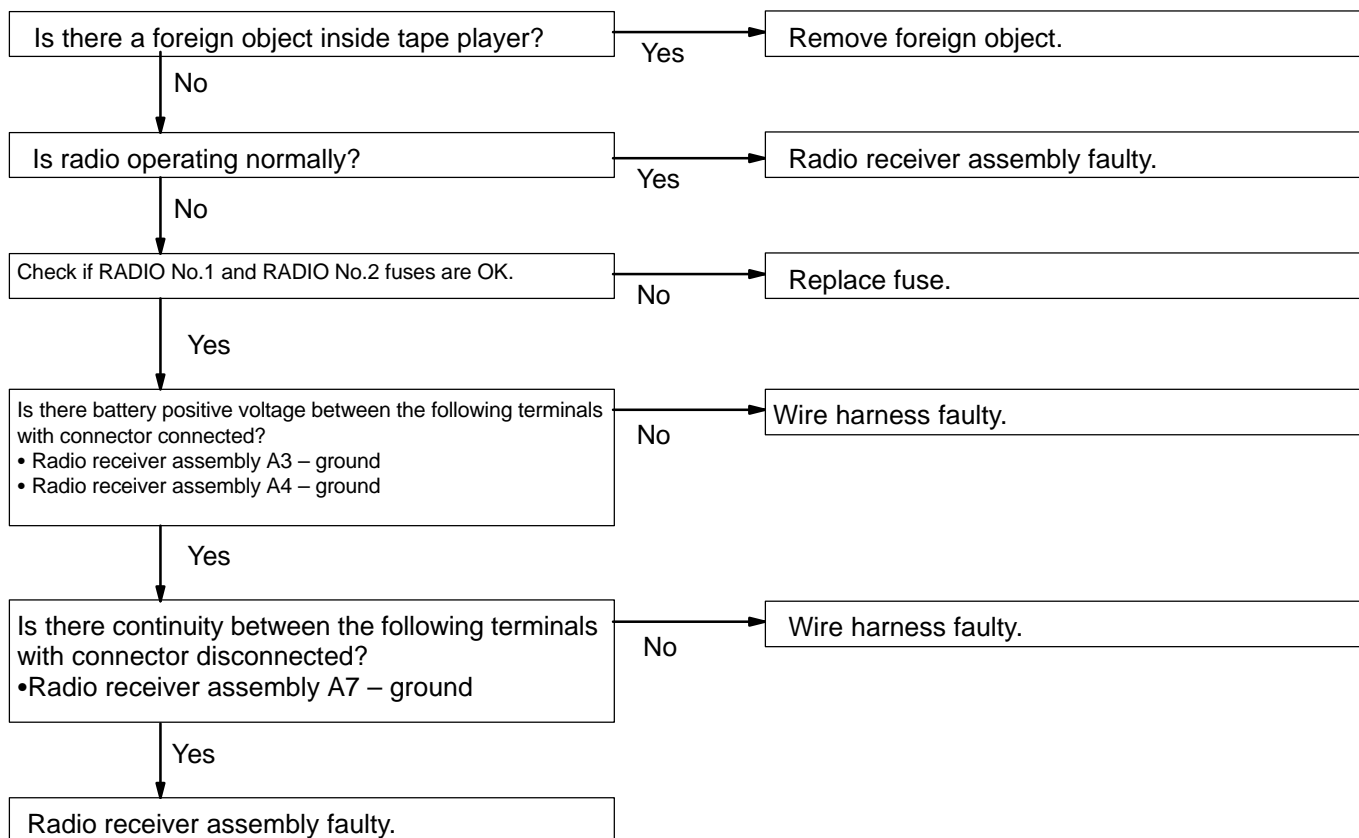
9	Radio	PRESET MEMORY DISAPPEARS
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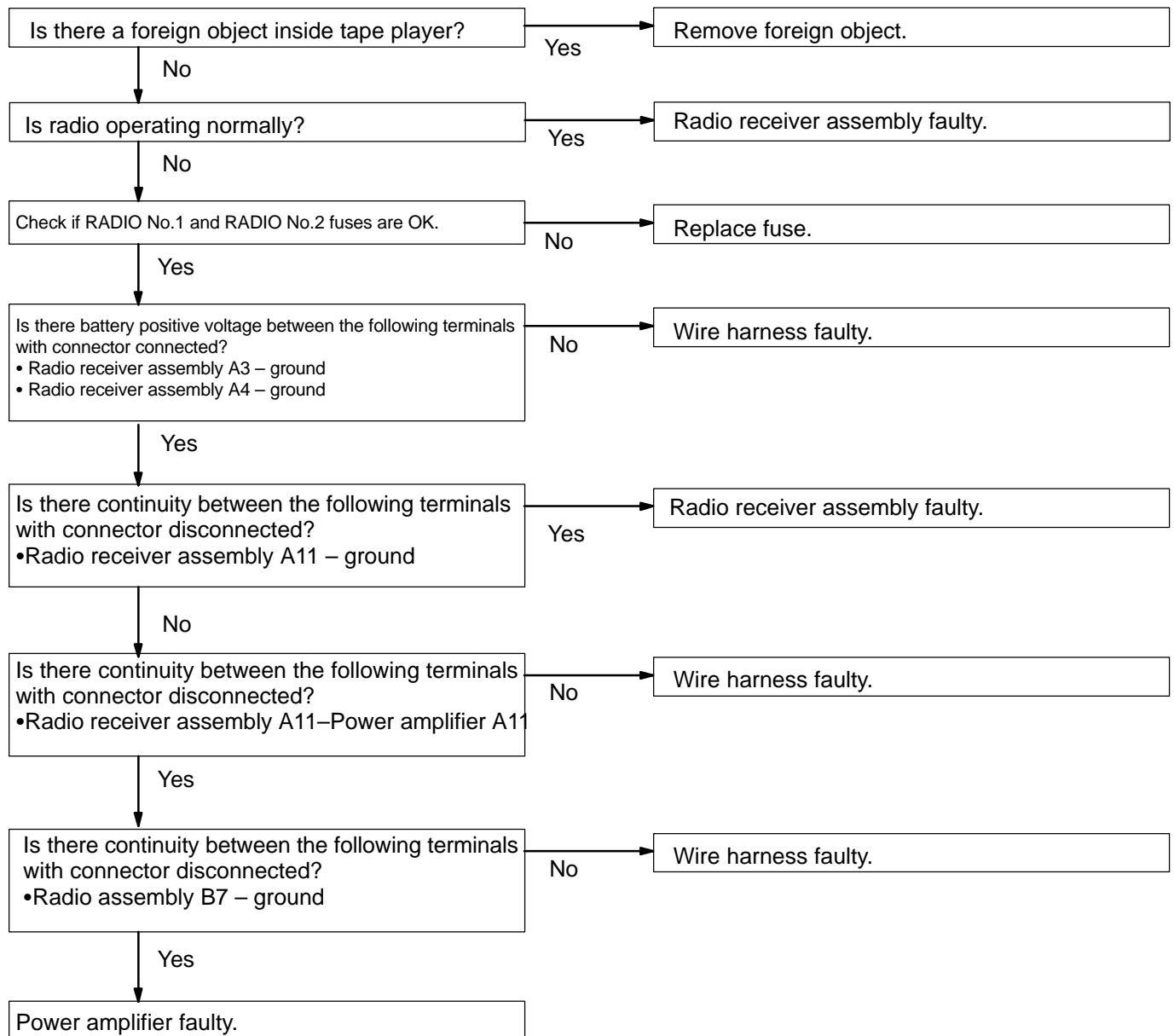


10	Radio	VOLUME REMAINS AT MAXIMUM LEVEL
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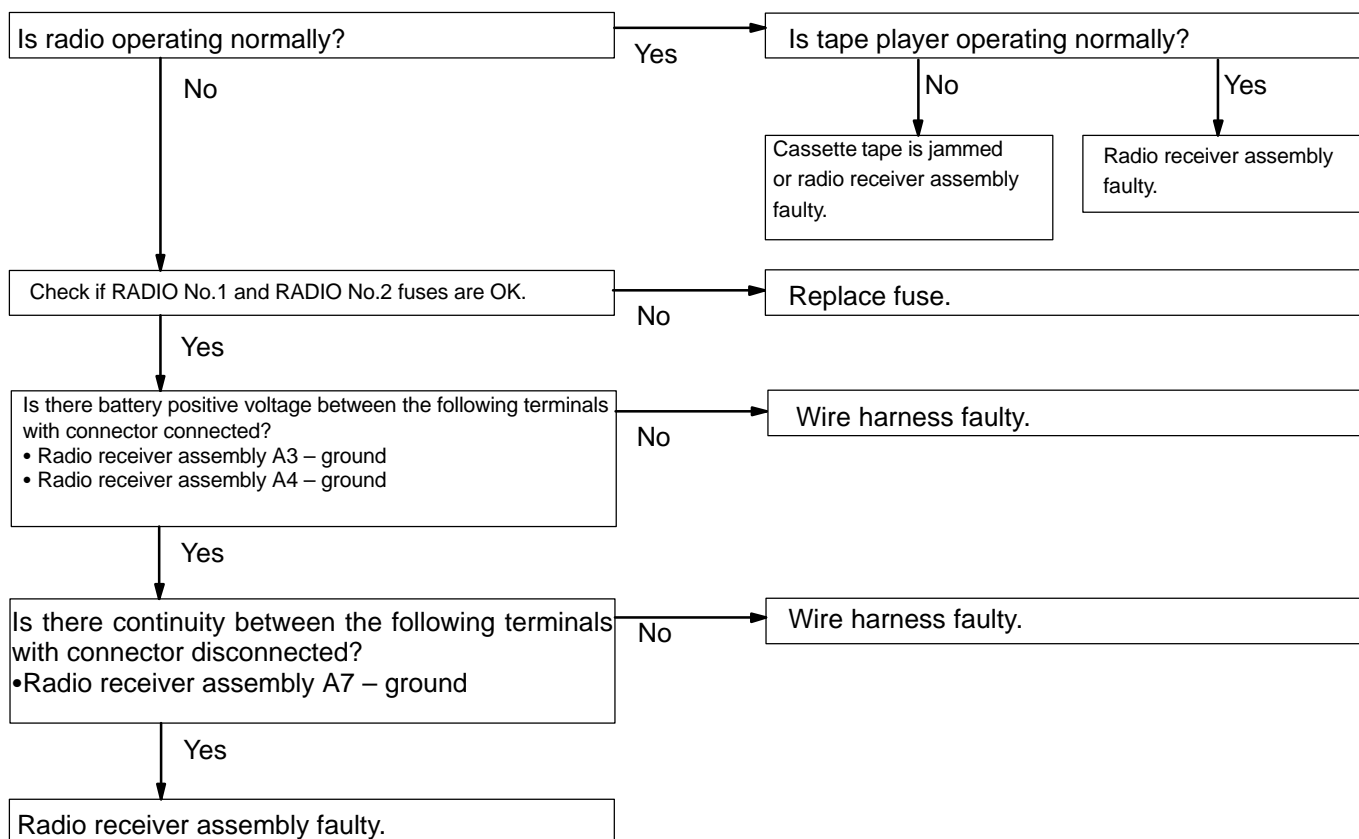
A. without CD player type**B. with CD player type**

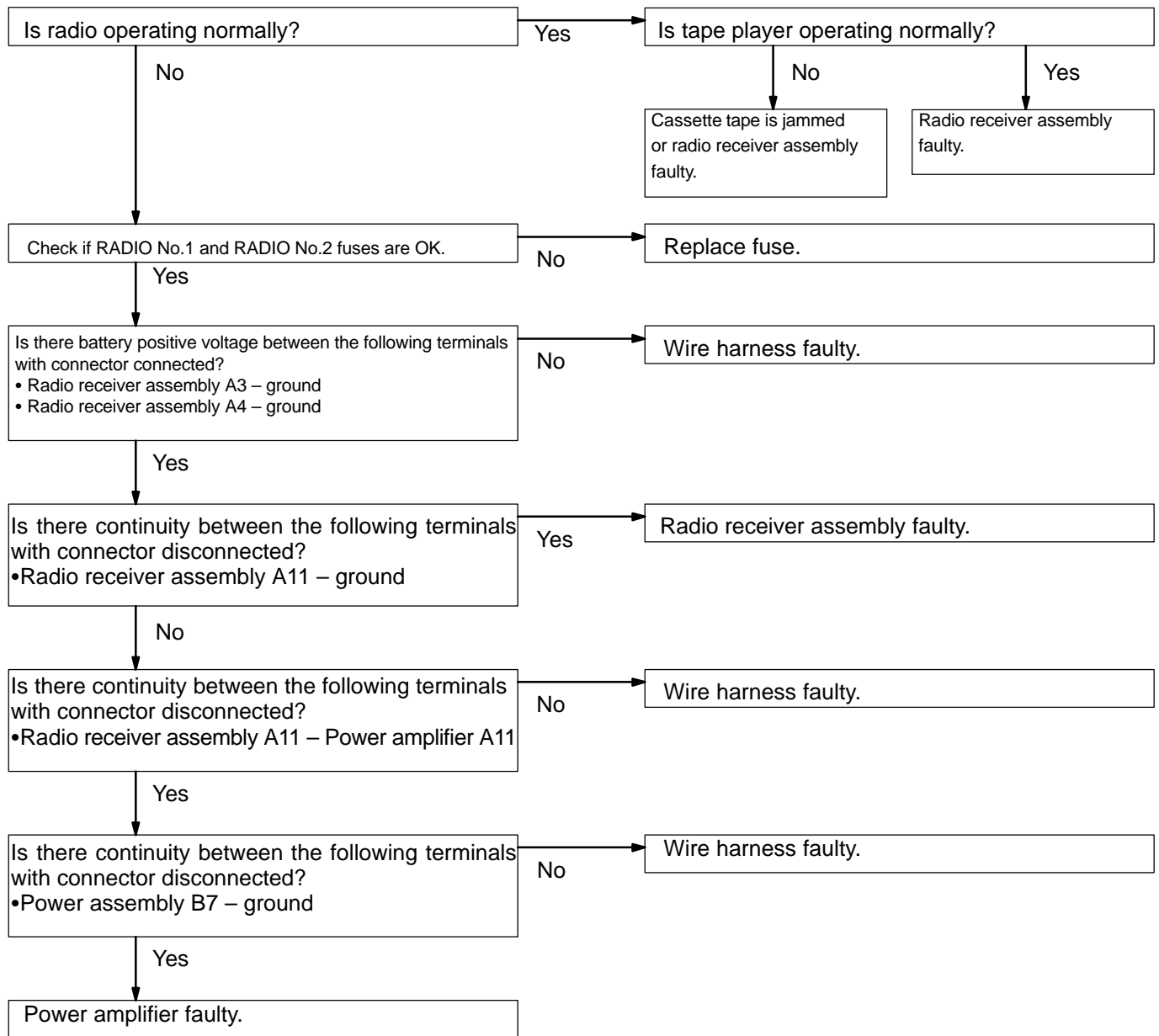
11	Tape player	CASSETTE TAPE CANNOT BE INSERTED
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A. without CD player type

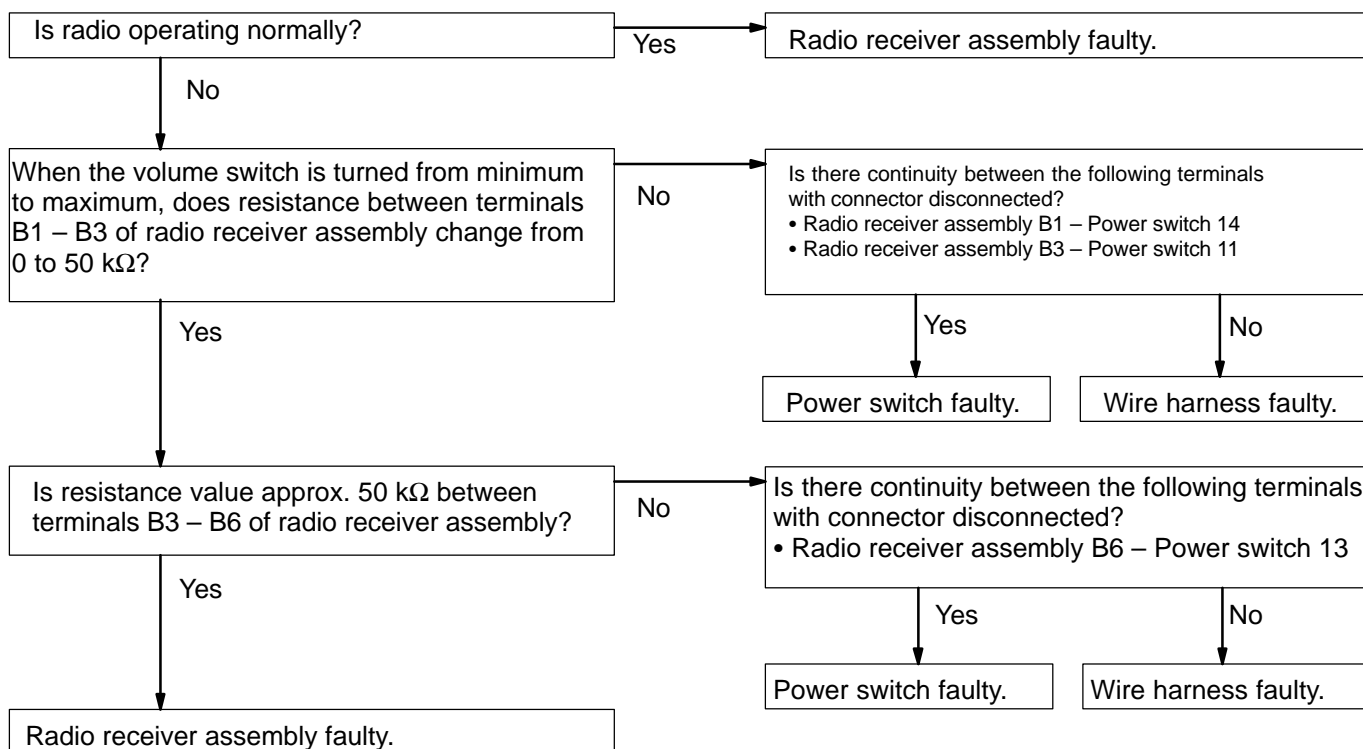
B. with CD player type

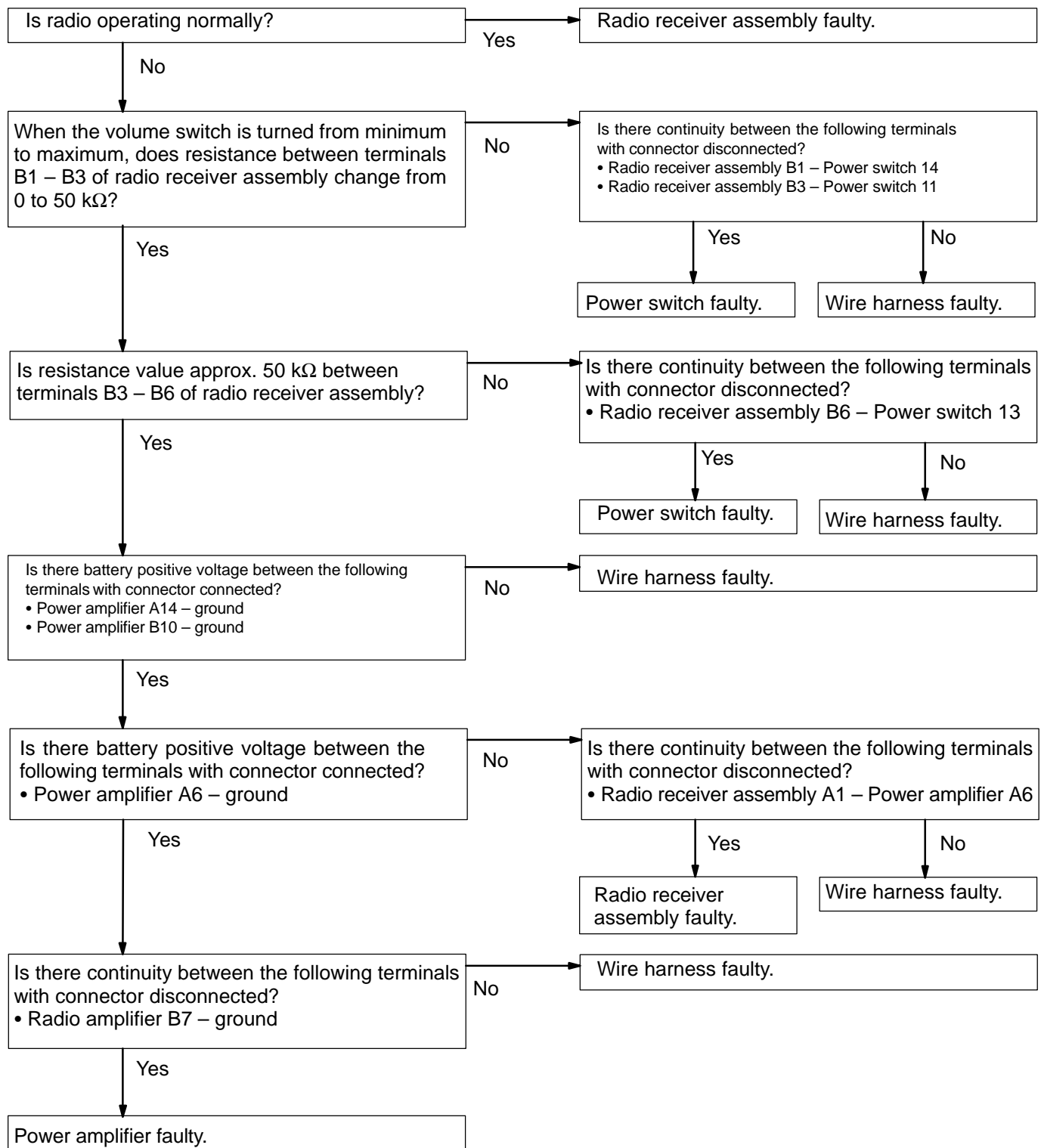
12	Tape player	CASSETTE TAPE WILL NOT EJECT
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A. without CD player type

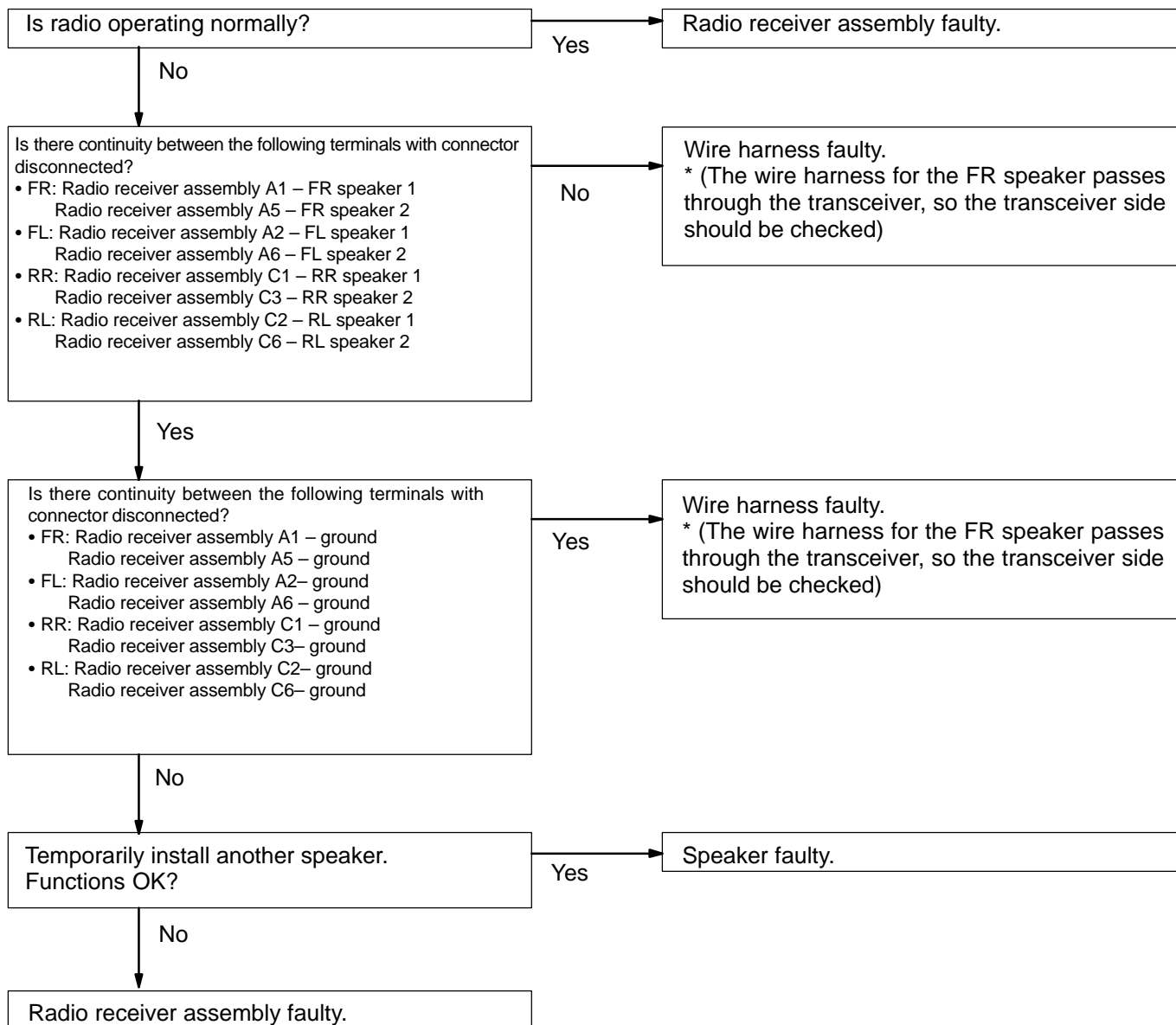
B. with CD player type

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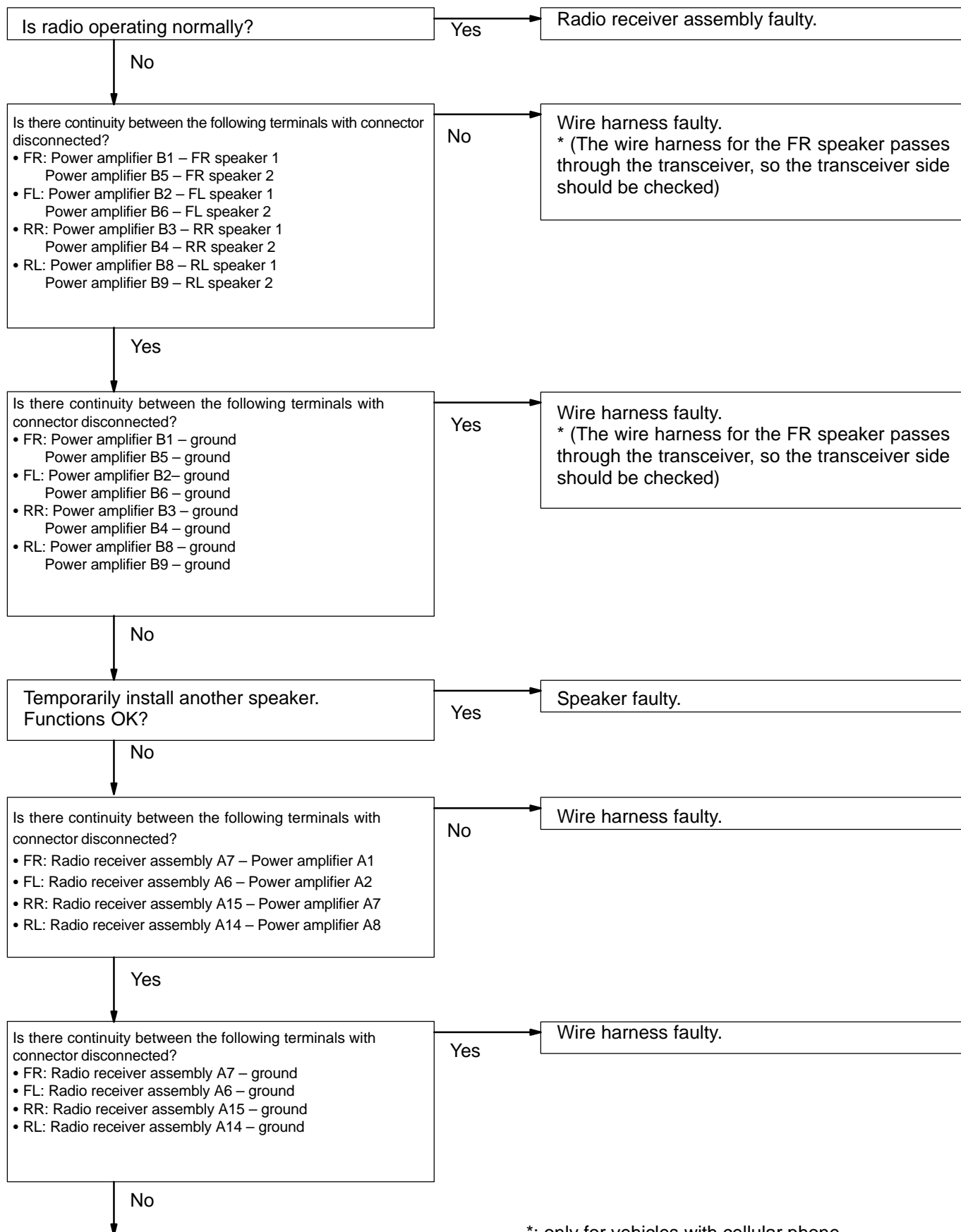
A. without CD player type

B. with CD player type

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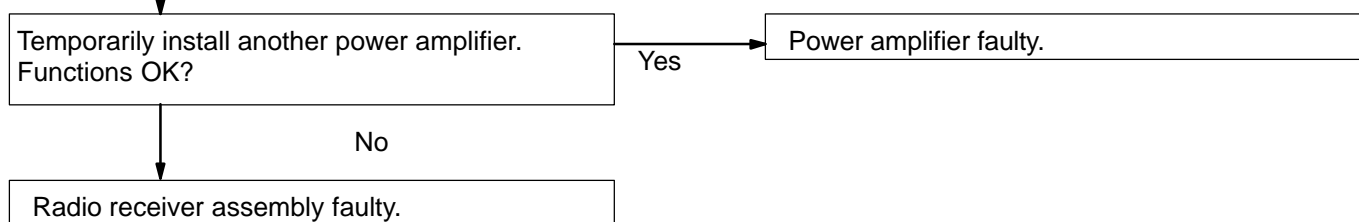
A. without CD player type

*: only for vehicles with cellular phone

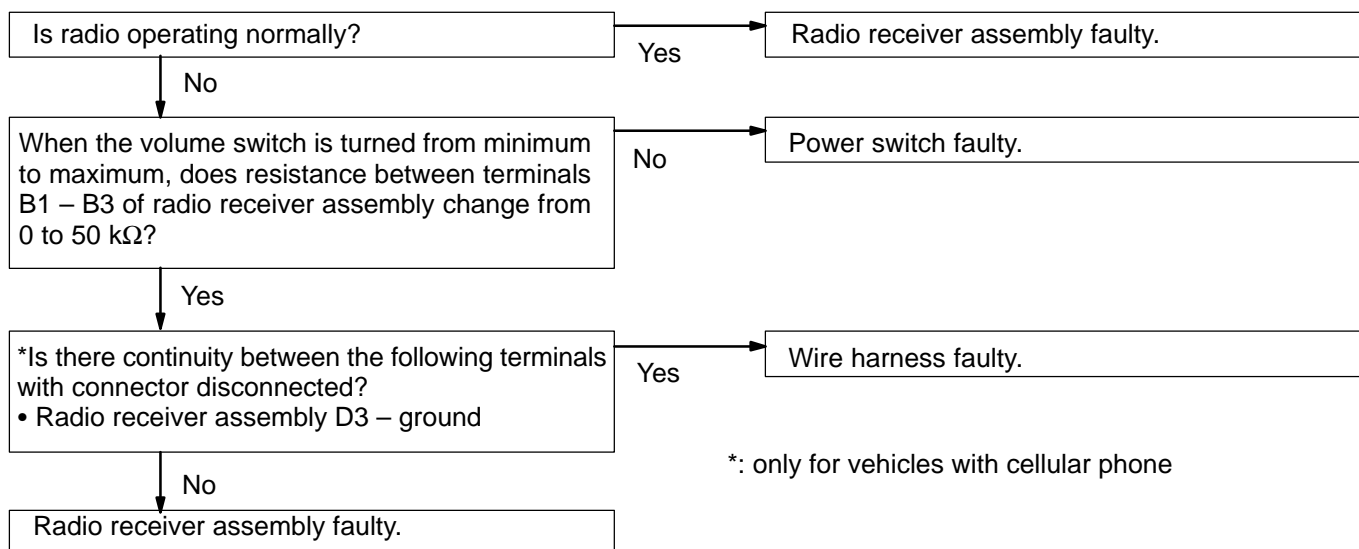
B. with CD player type

*: only for vehicles with cellular phone

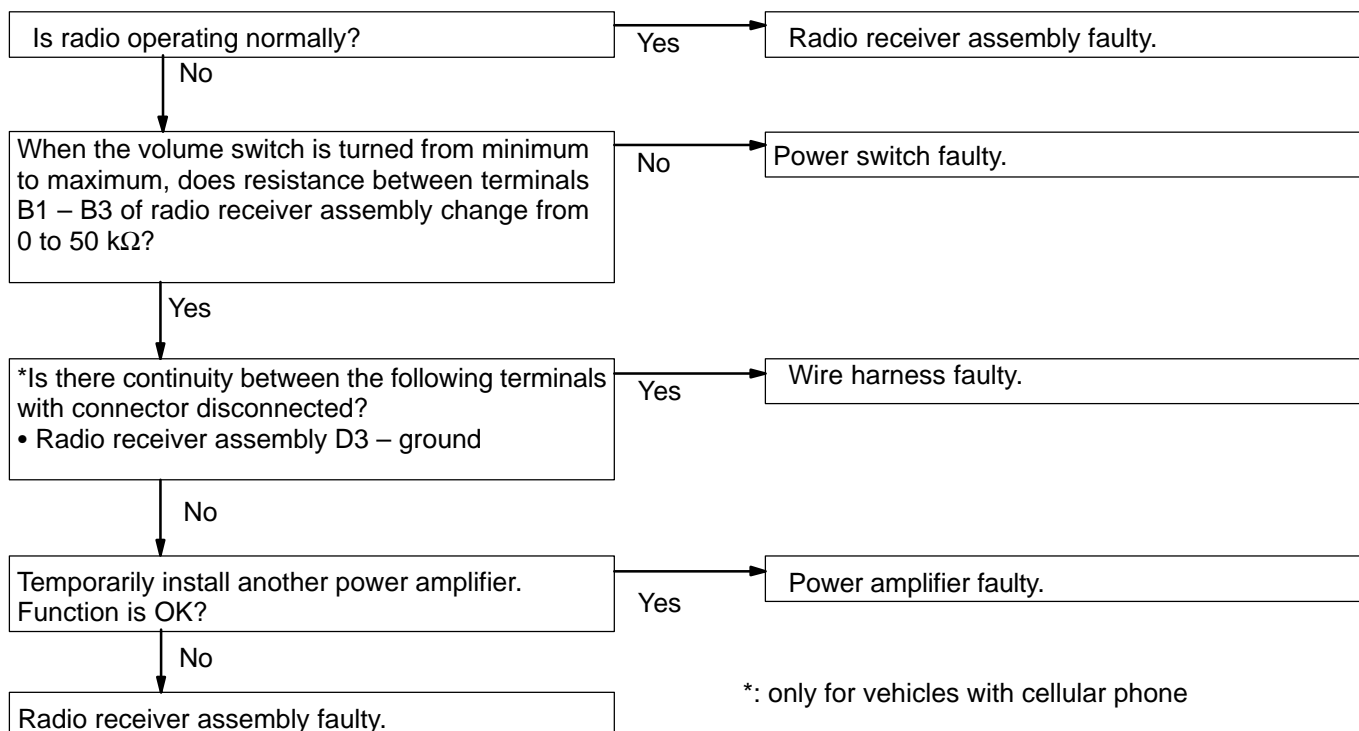
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15	Tape player	VOLUME FAINT (EXCEPT WOOFER)
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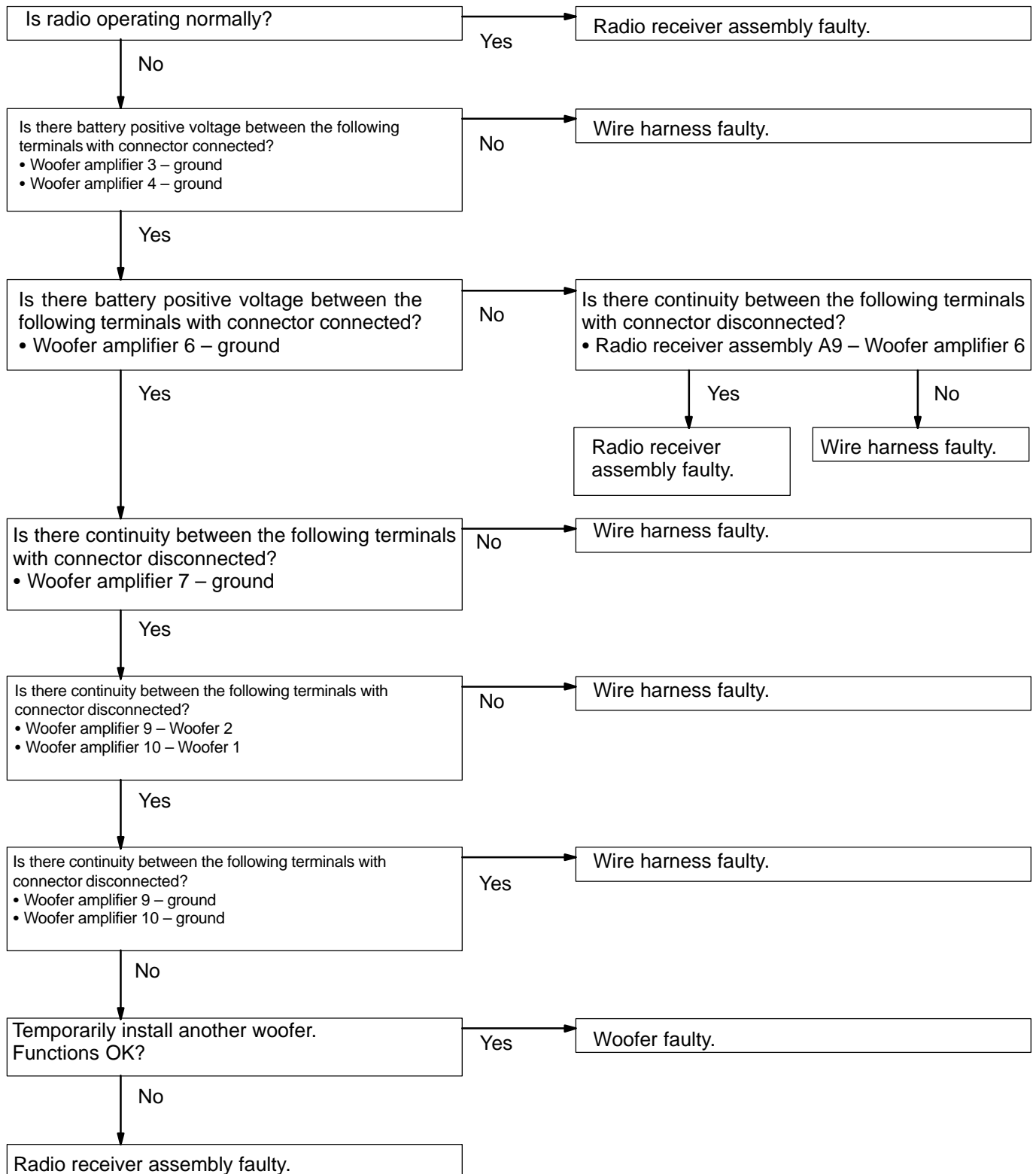
A. without CD player

*: only for vehicles with cellular phone

B. with CD player

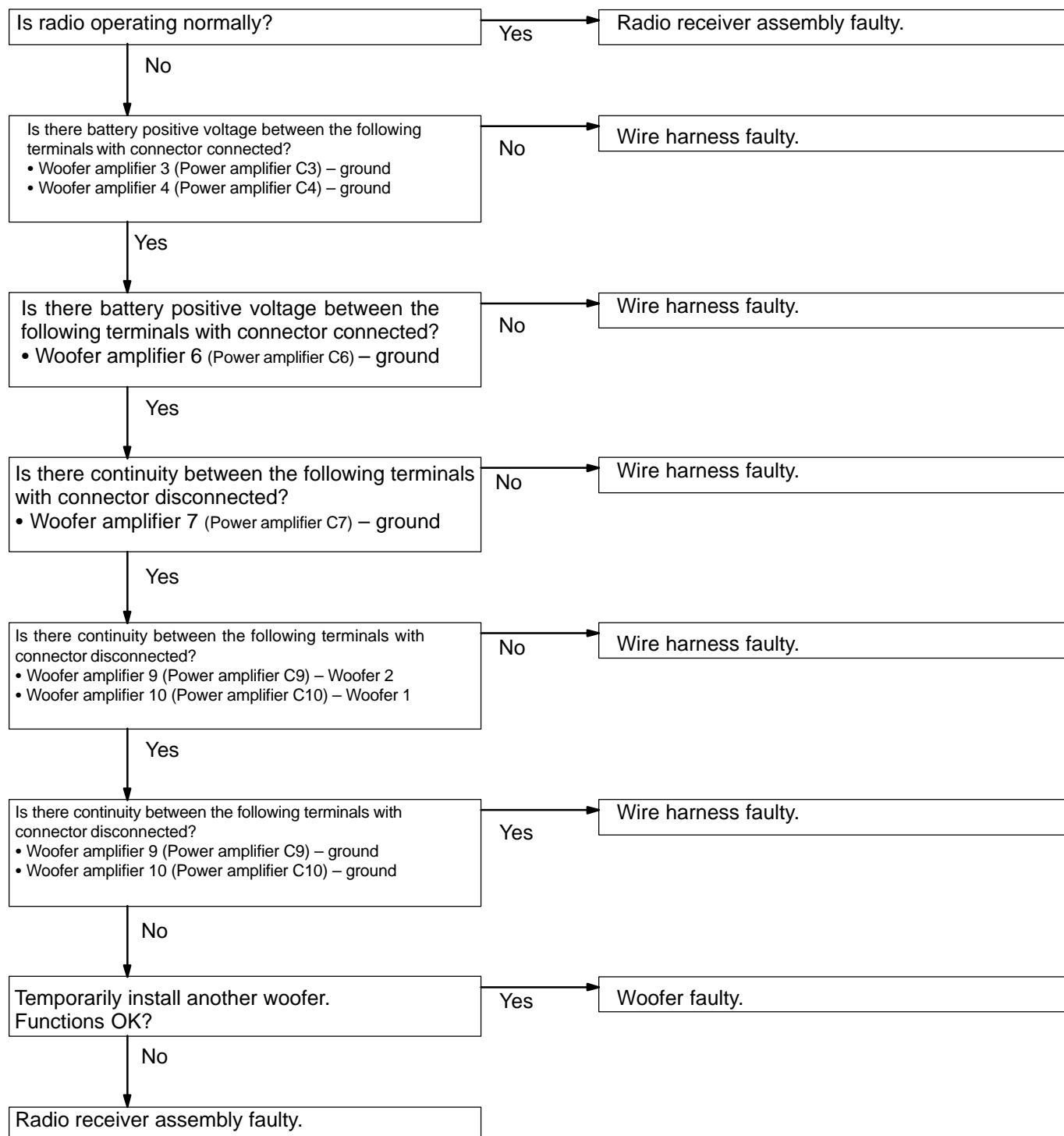
*: only for vehicles with cellular phone

16	Tape player	WOOFER DOES NOT WORK
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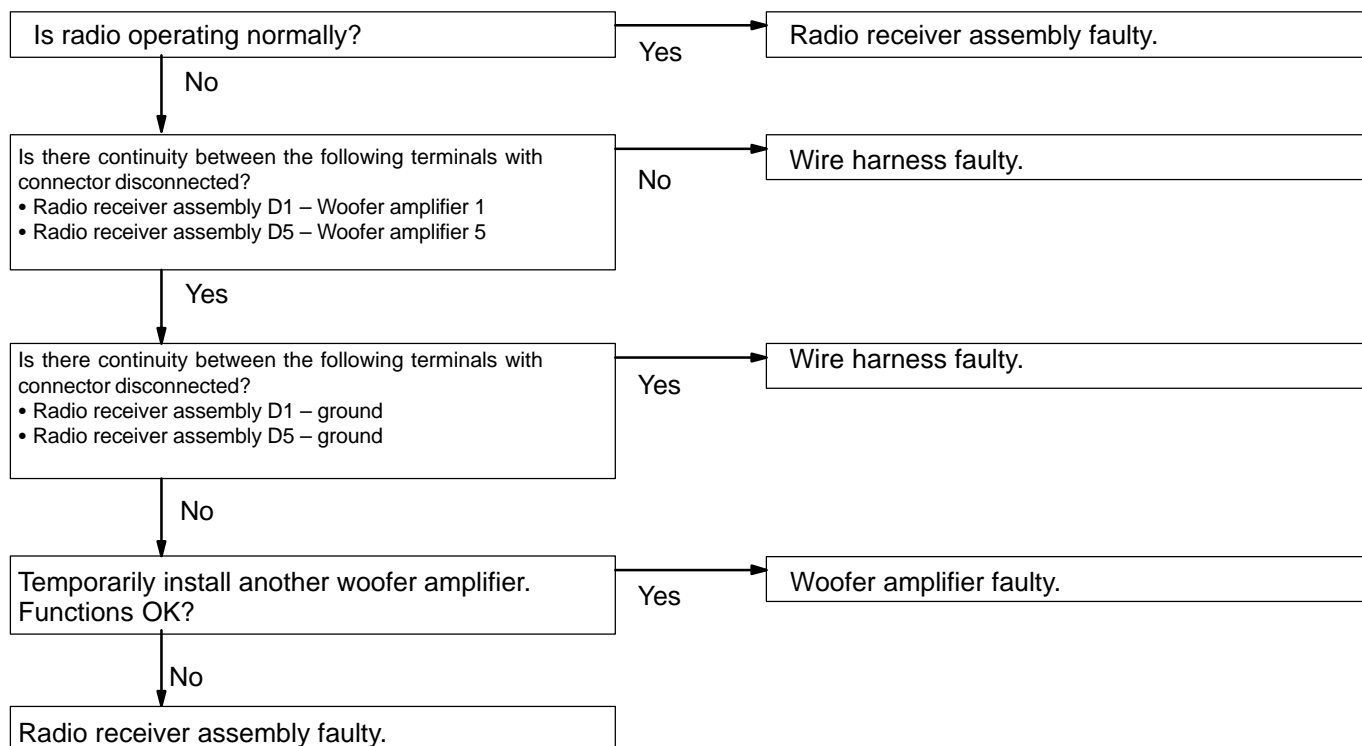
A. without CD player type

B. with CD player type

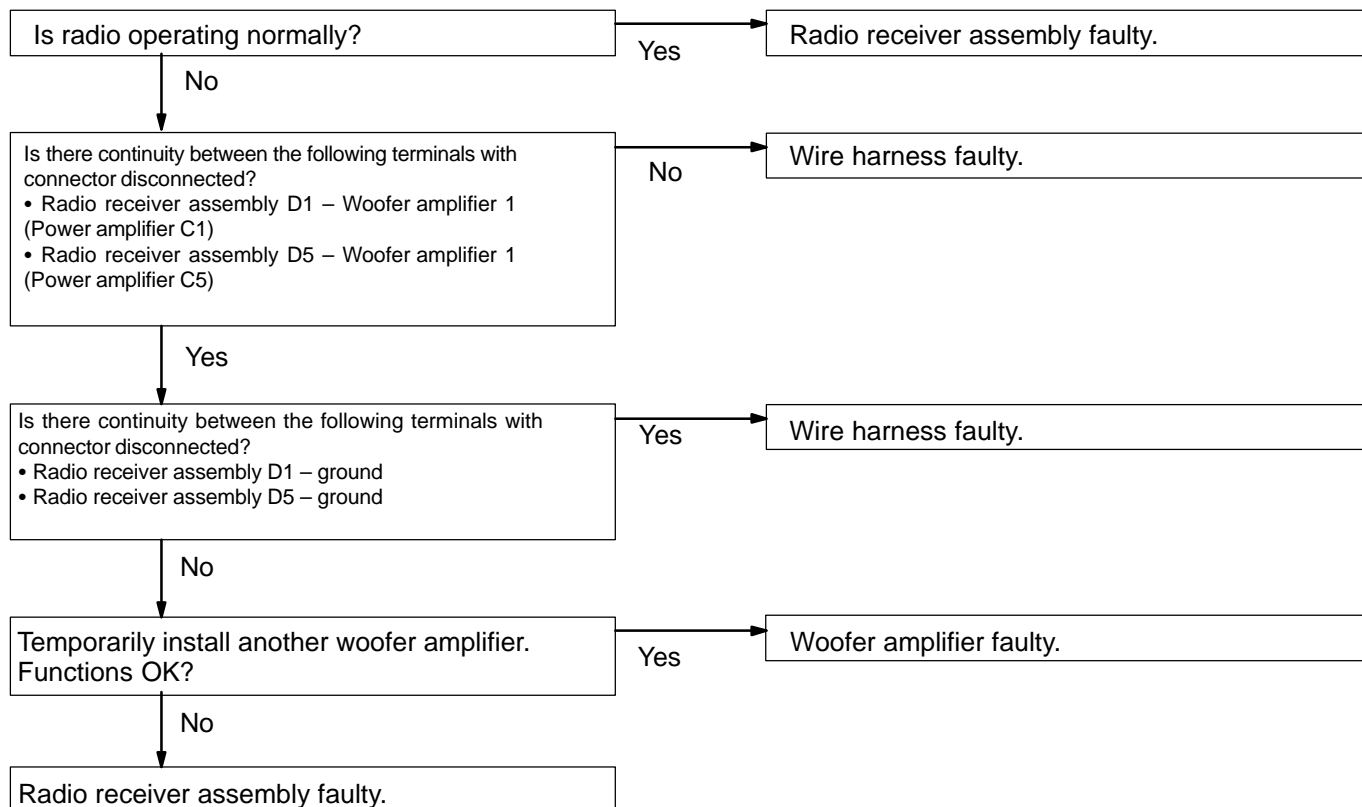
HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.



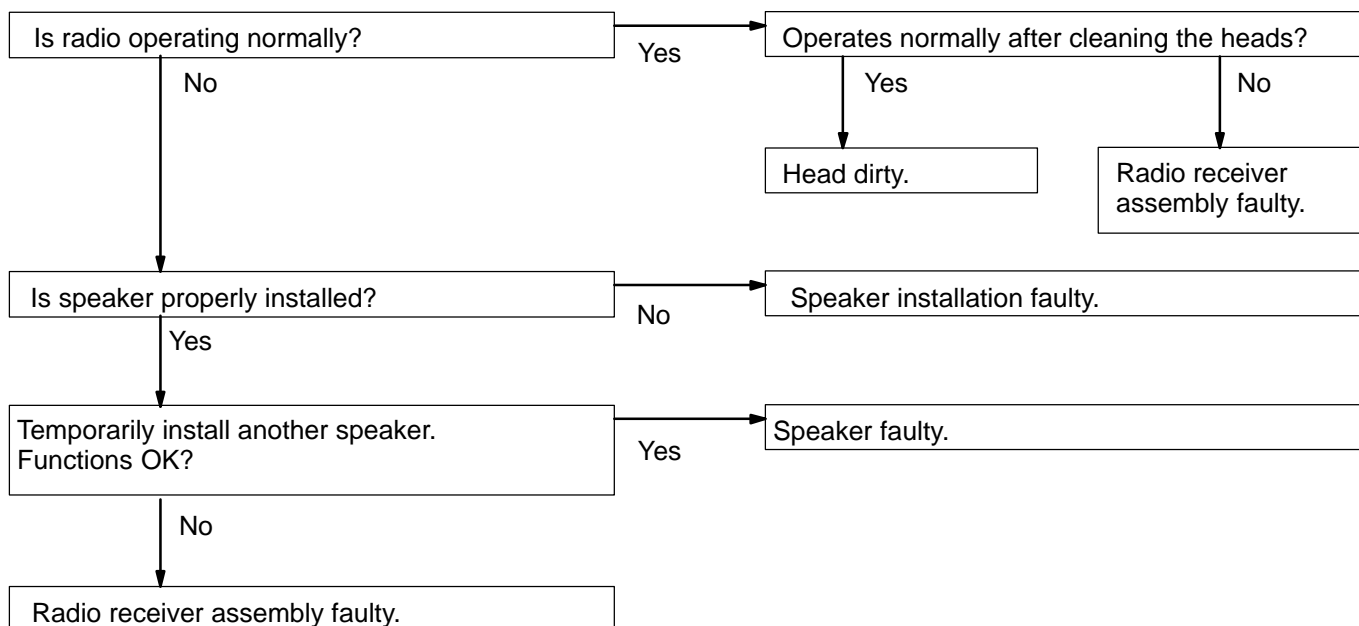
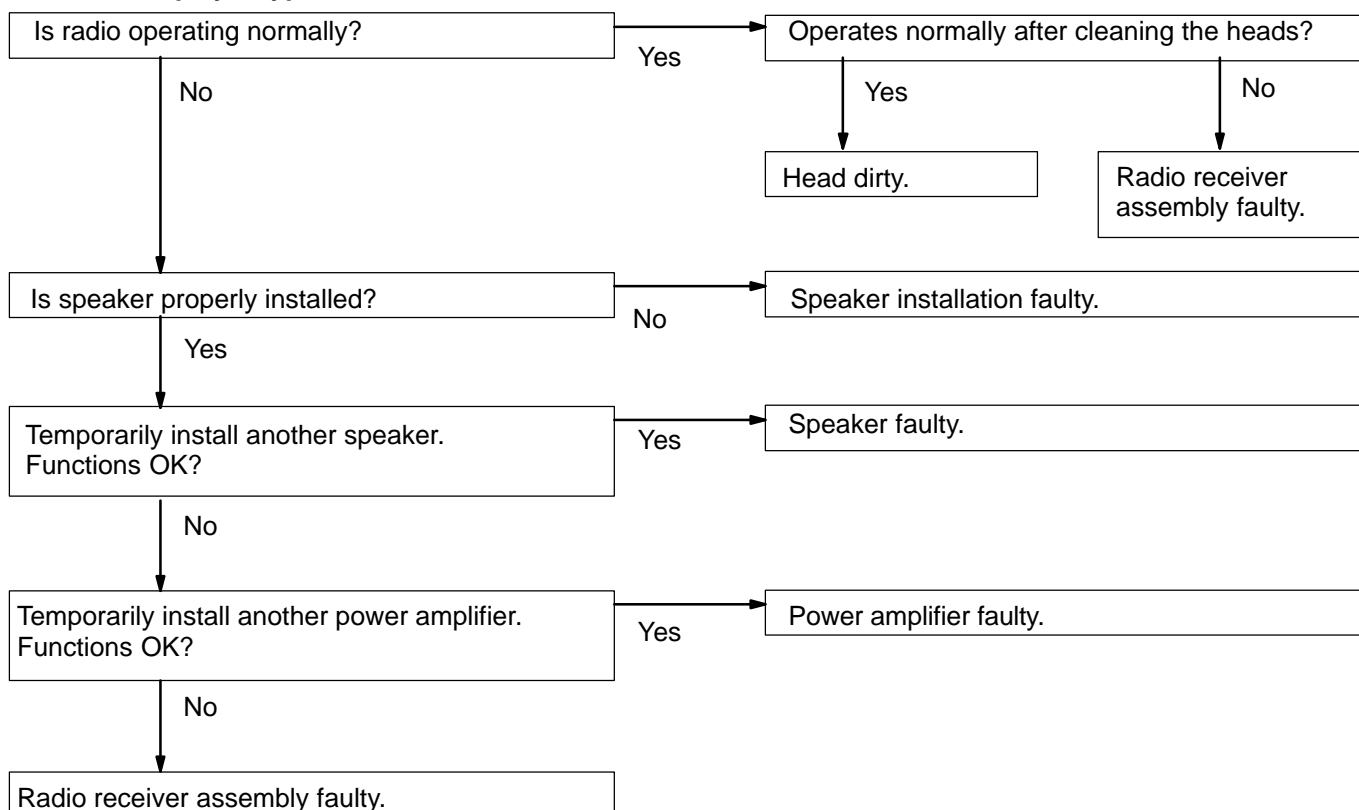
17	Tape player	WOOFER VOLUME FAINT
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A. without CD player type**B. with CD player type**

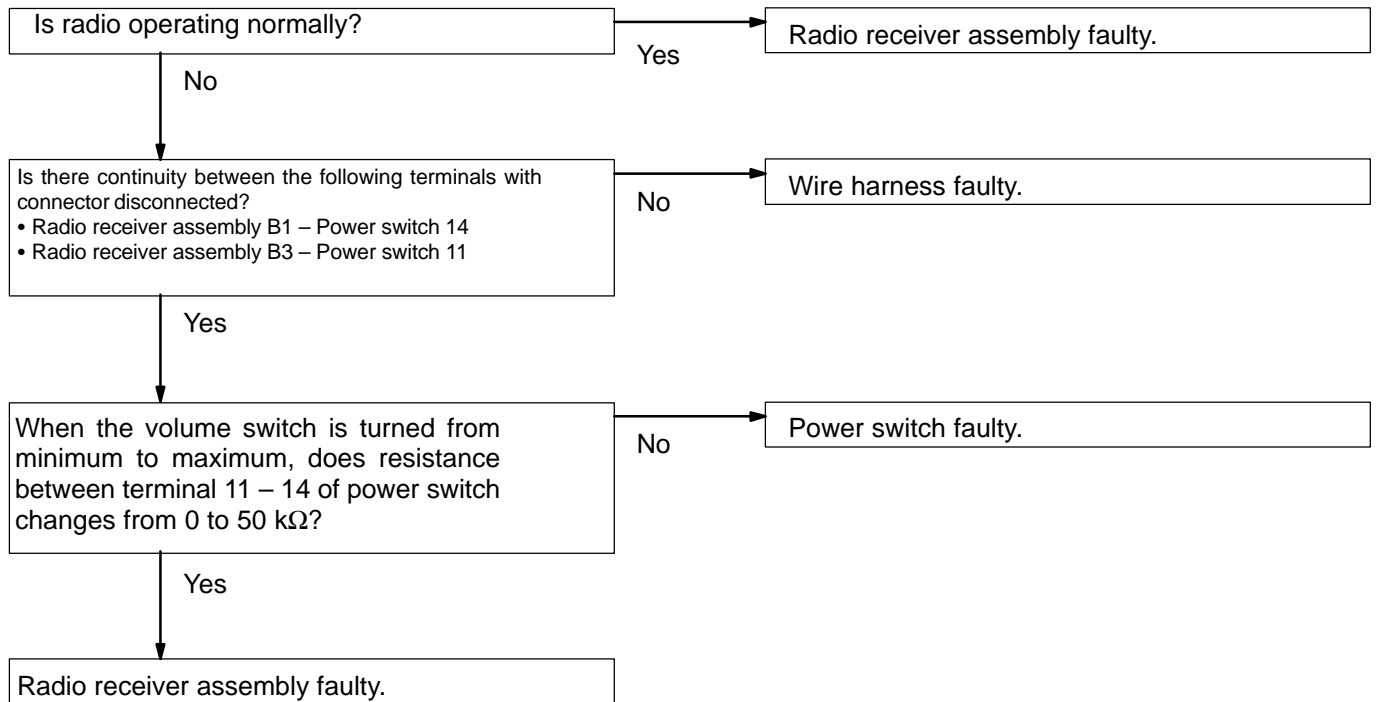
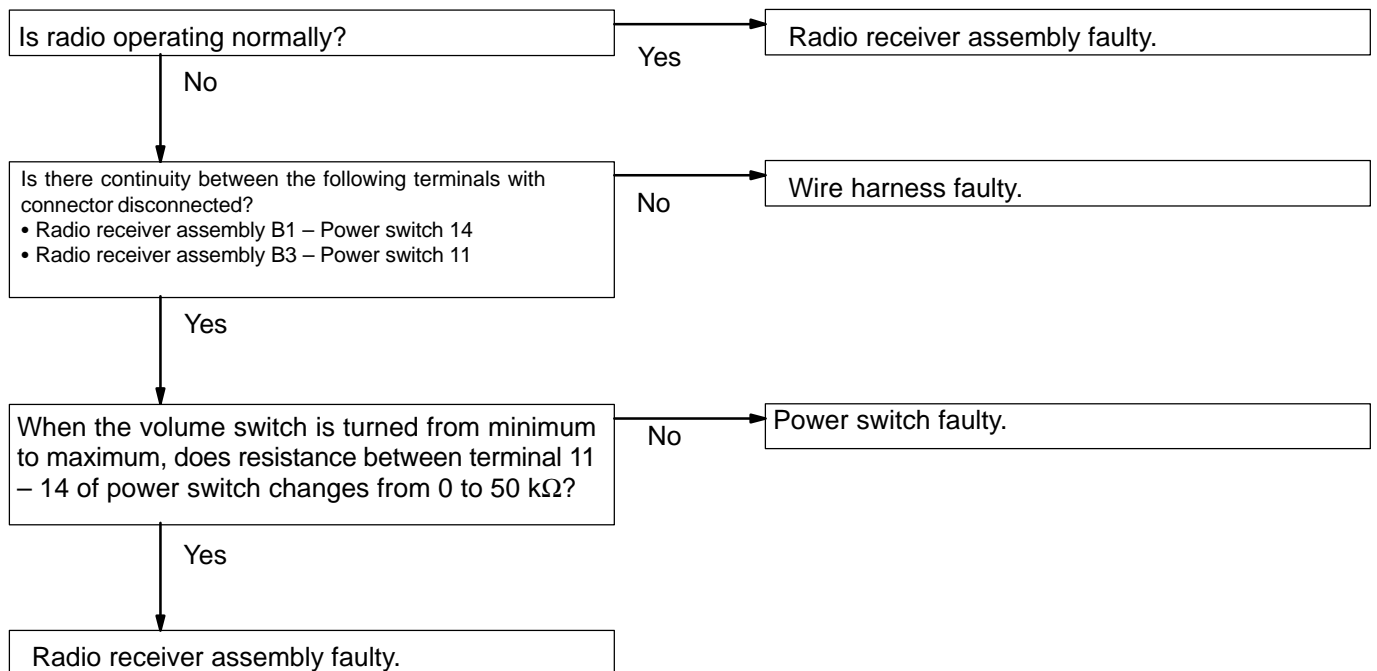
HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.



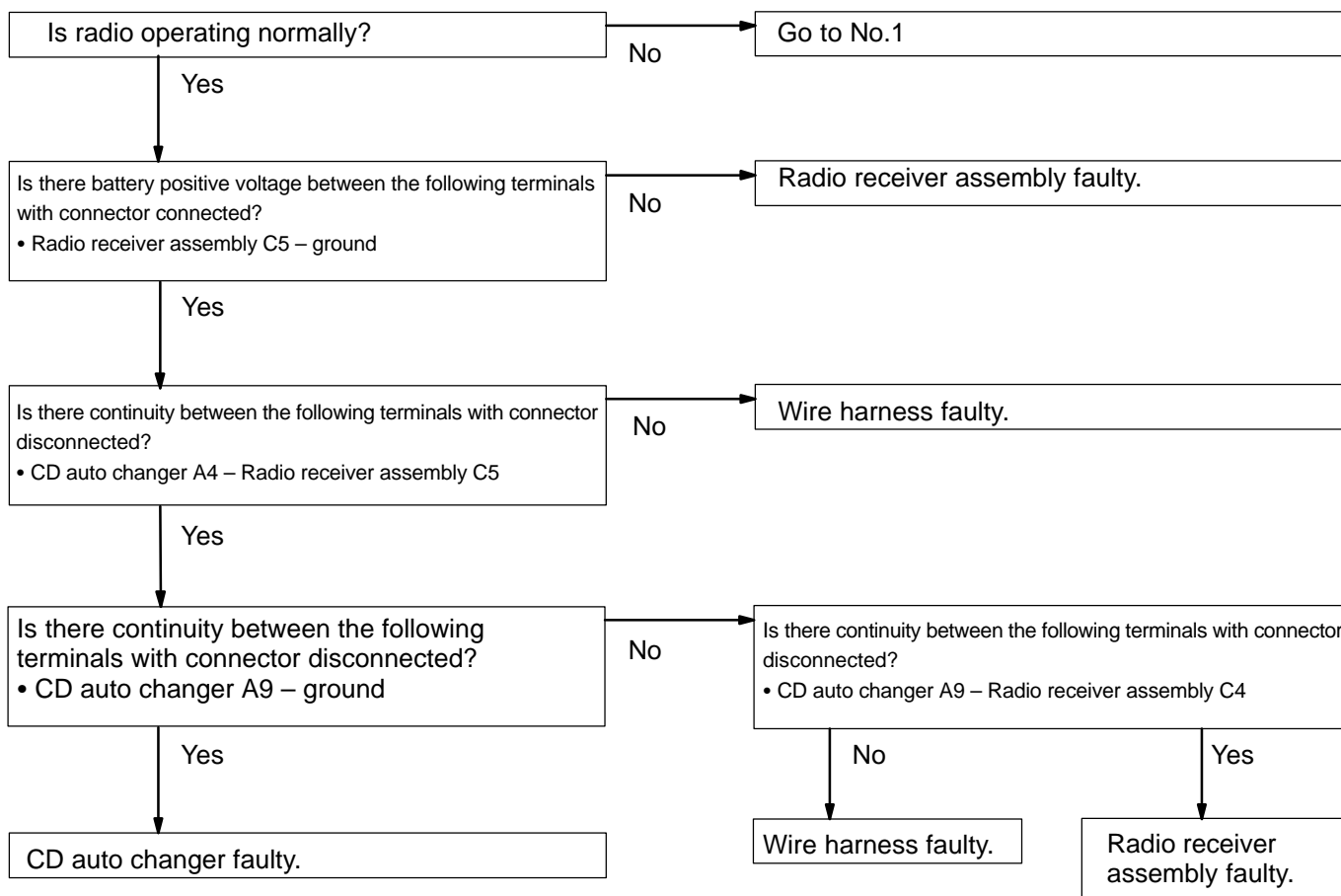
18	Tape player	SOUND QUALITY POOR
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A. without CD player type**B. with CD player type**

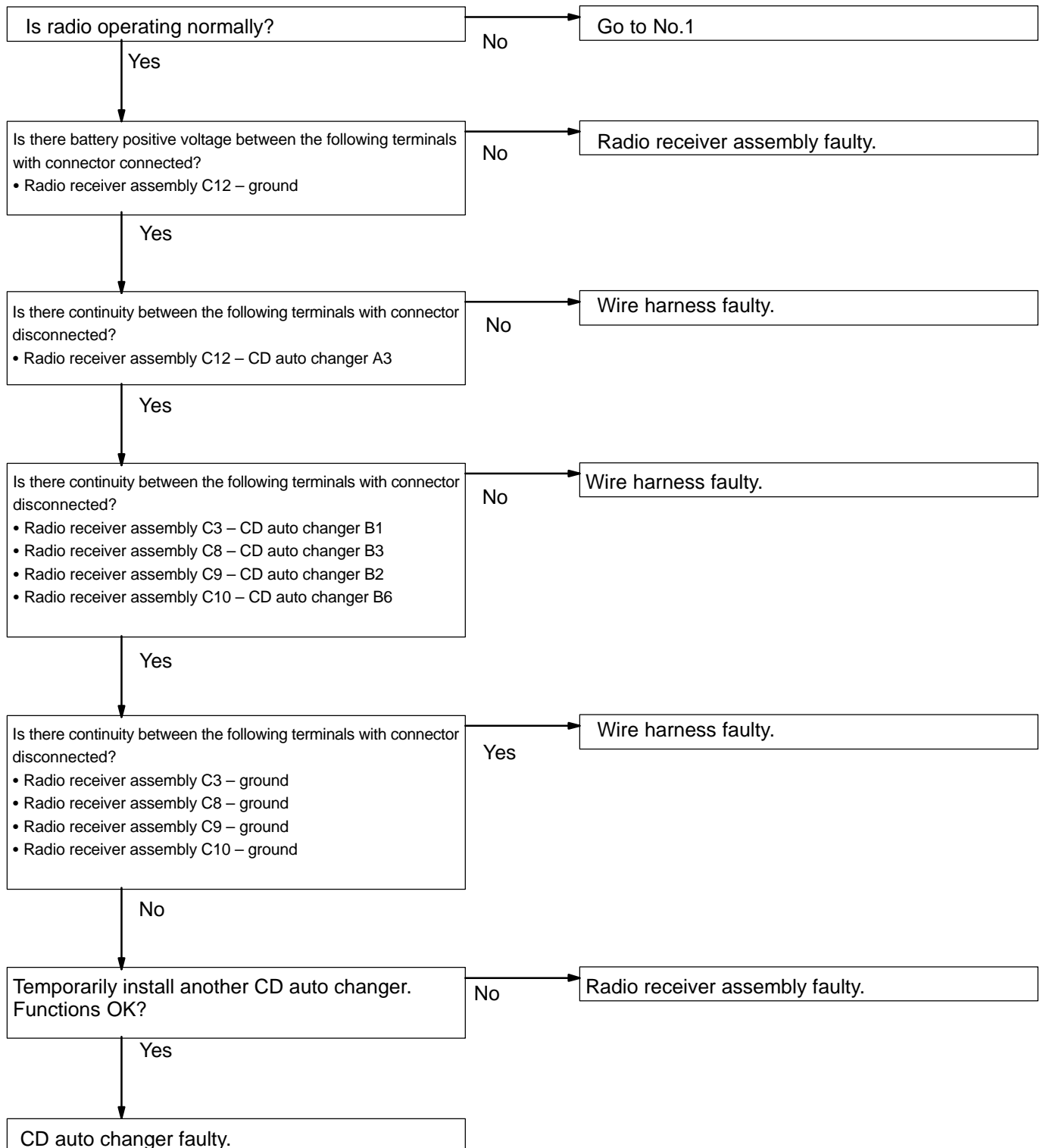
19	Tape player	VOLUME REMAINS AT MAXIMUM LEVEL
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A. without CD player type**B. with CD player type**

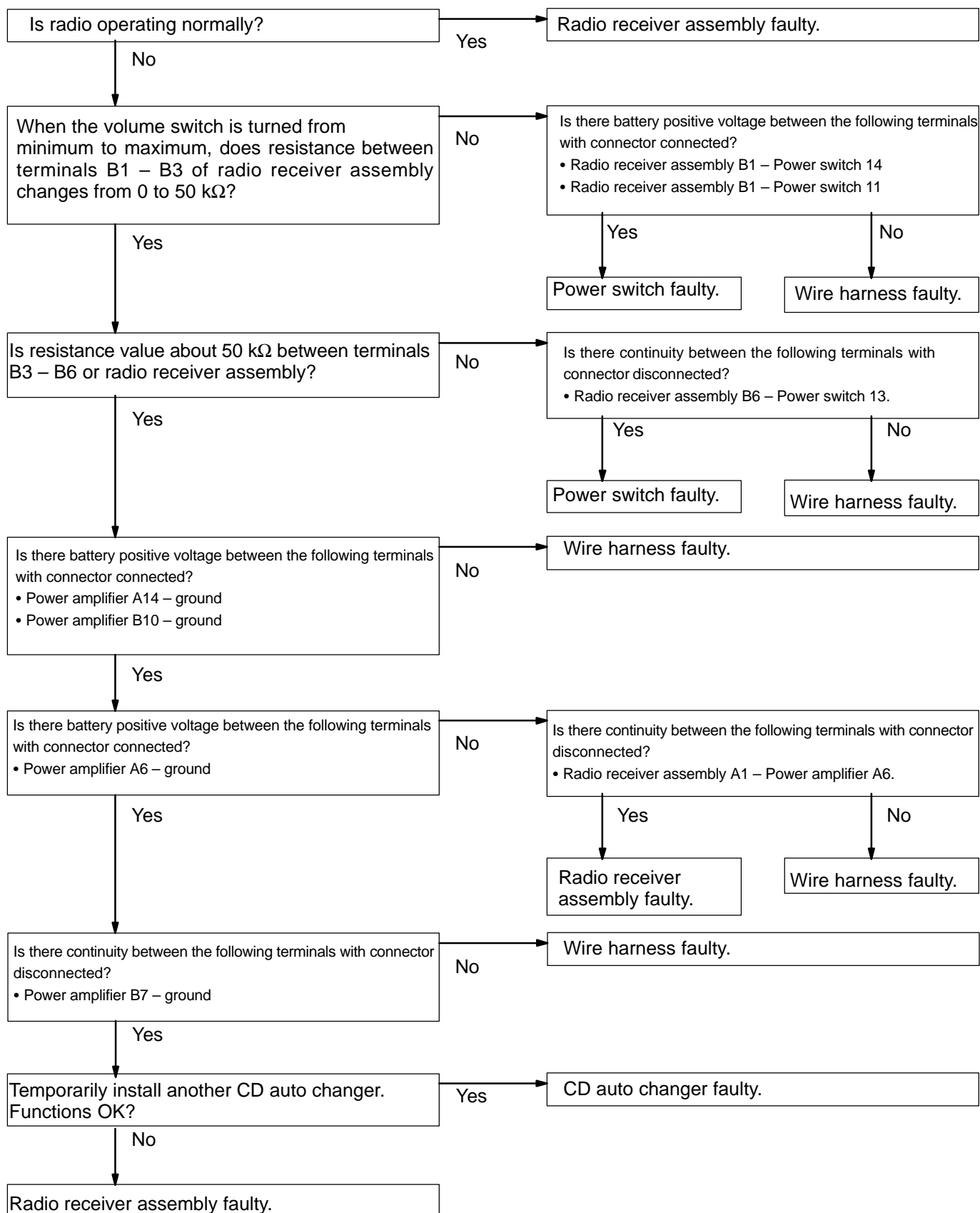
20	CD player	MAGAZINE CANNOT BE INSERTED INTO AUTO CHANGER
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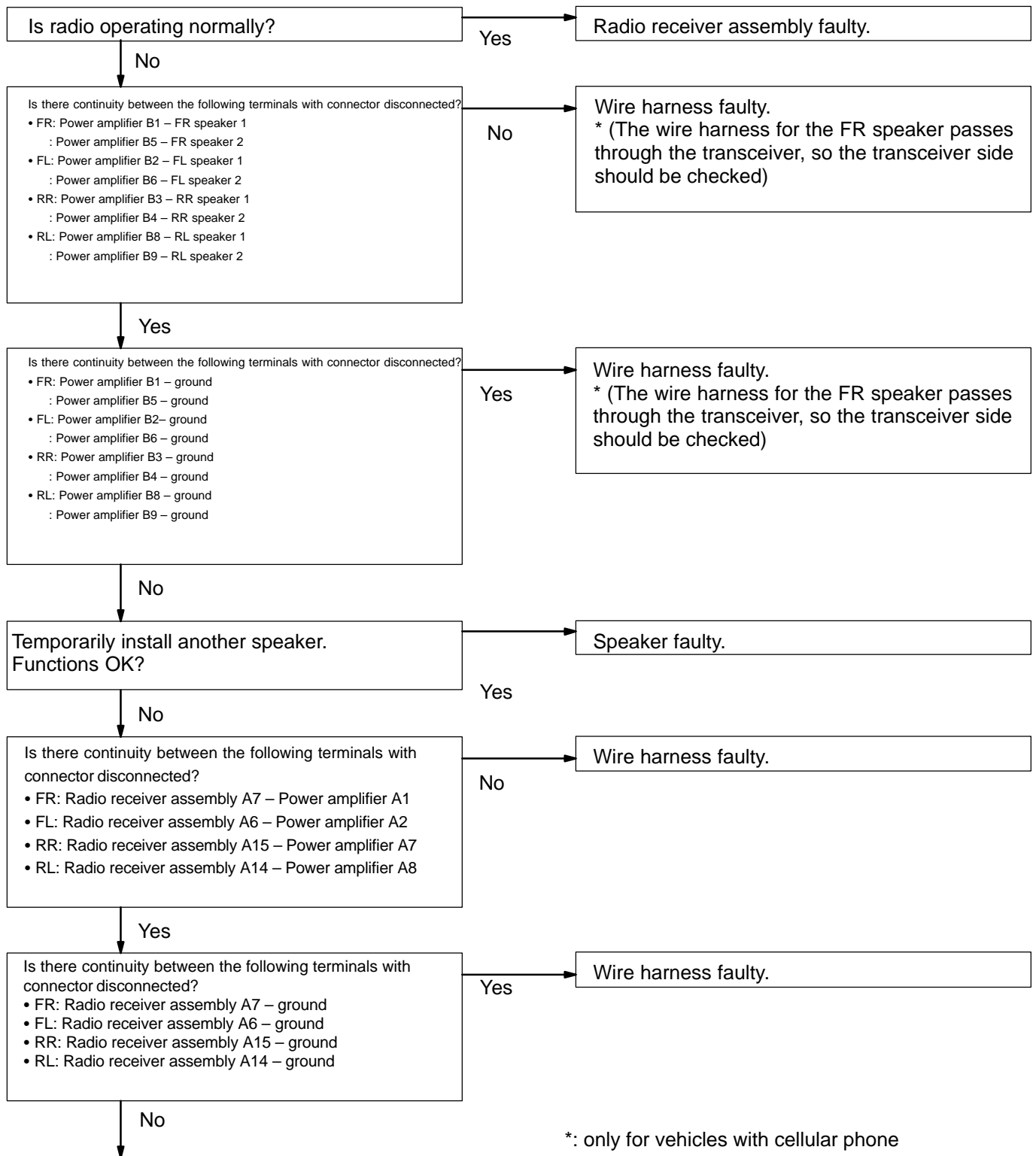
21	CD player	MAGAZINE IS INSERTED, BUT DISPLAY DOES NOT INDICATE "CD"
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22	CD player	DISPLAY INDICATES, BUT NO SOUND IS PRODUCED (EXCEPT WOOFER)
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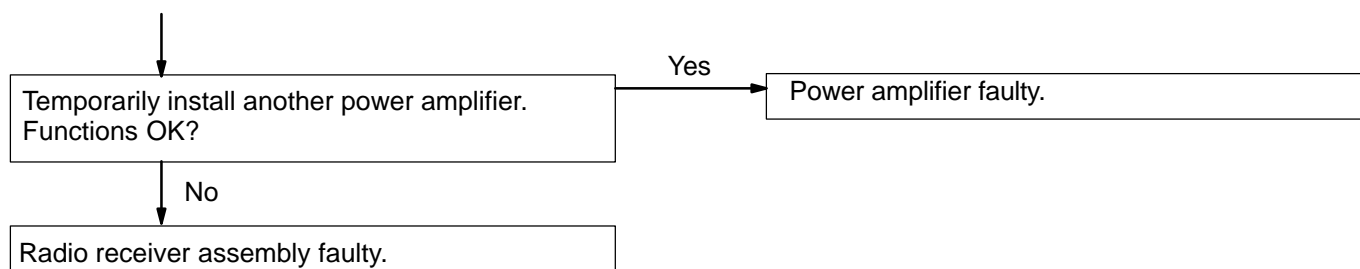


23	CD player	ANY SPEAKER DOES NOT WORK (EXCEPT WOOFER)
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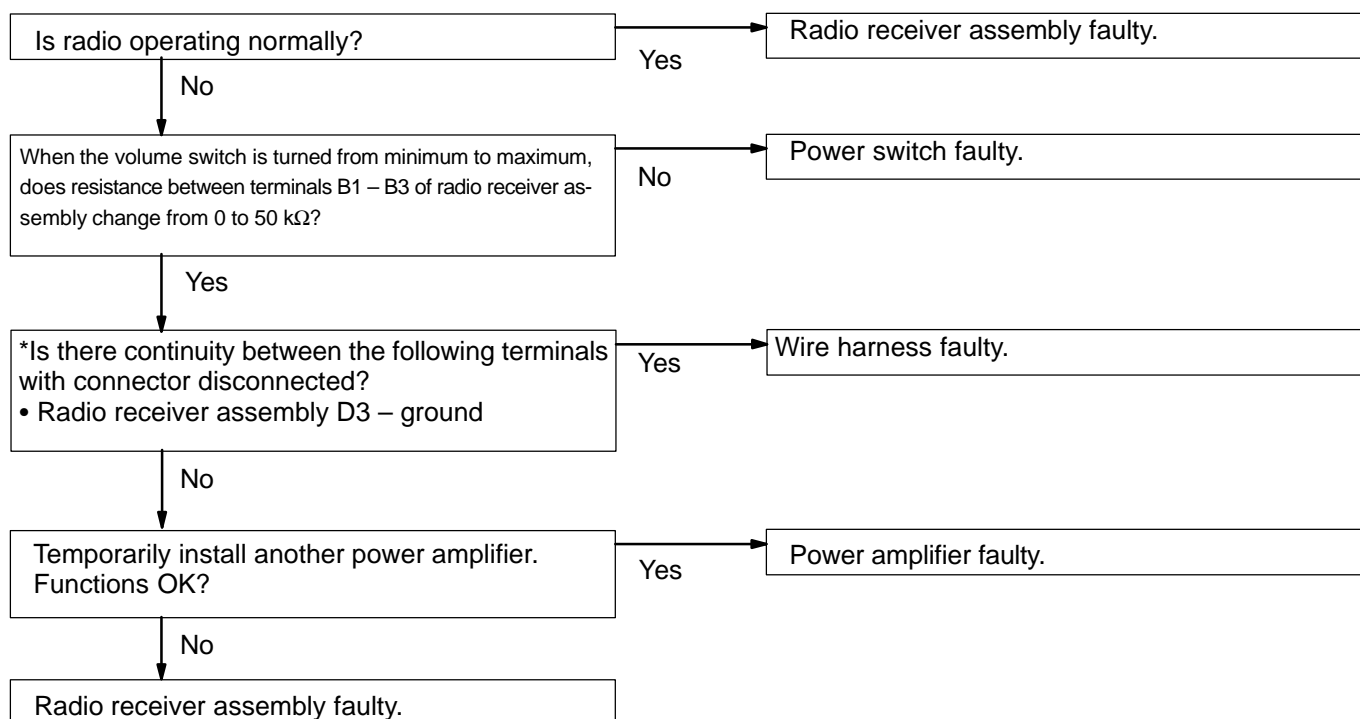


*: only for vehicles with cellular phone

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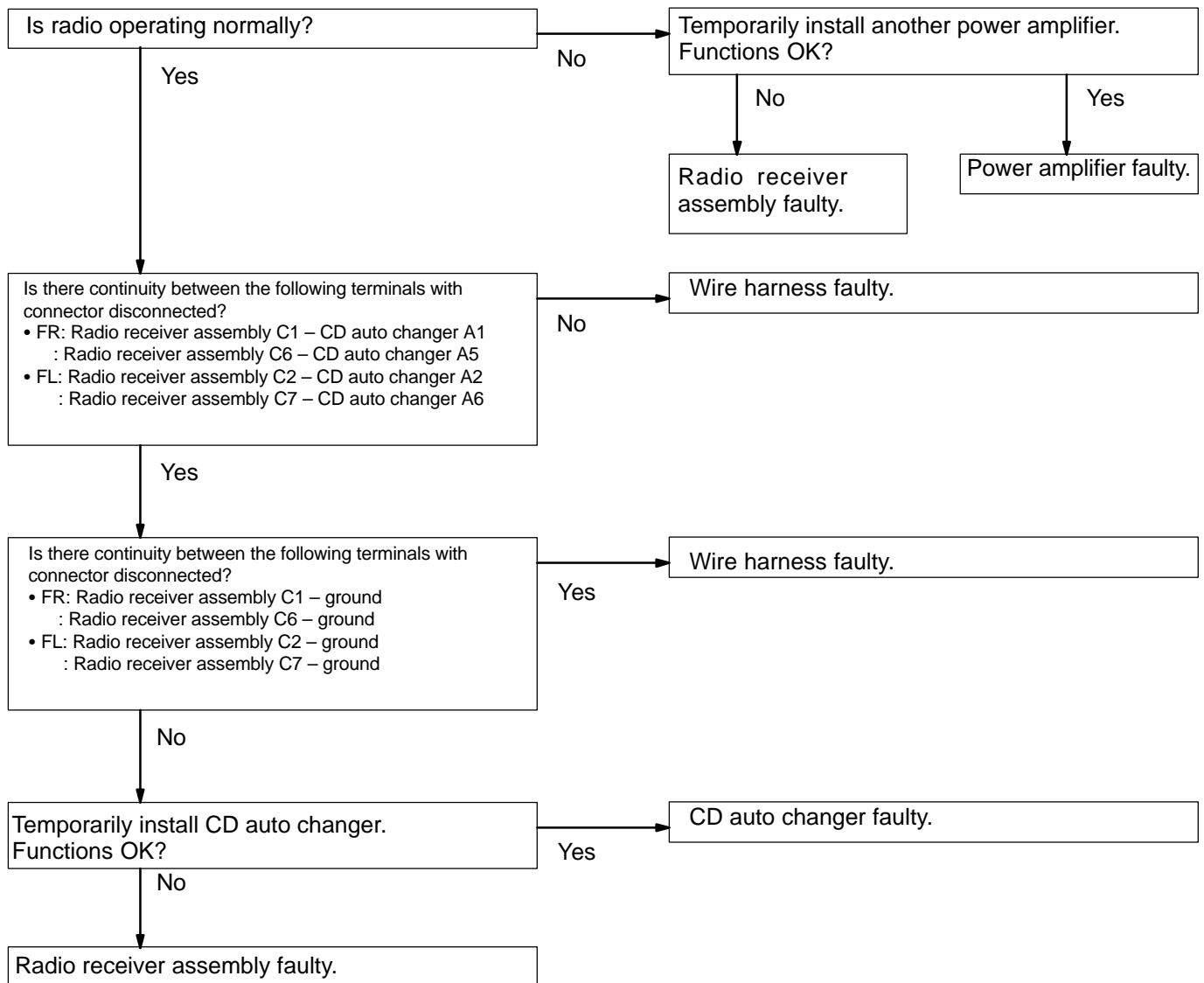


24	CD player	VOLUME FAINT (EXCEPT WOOFER)
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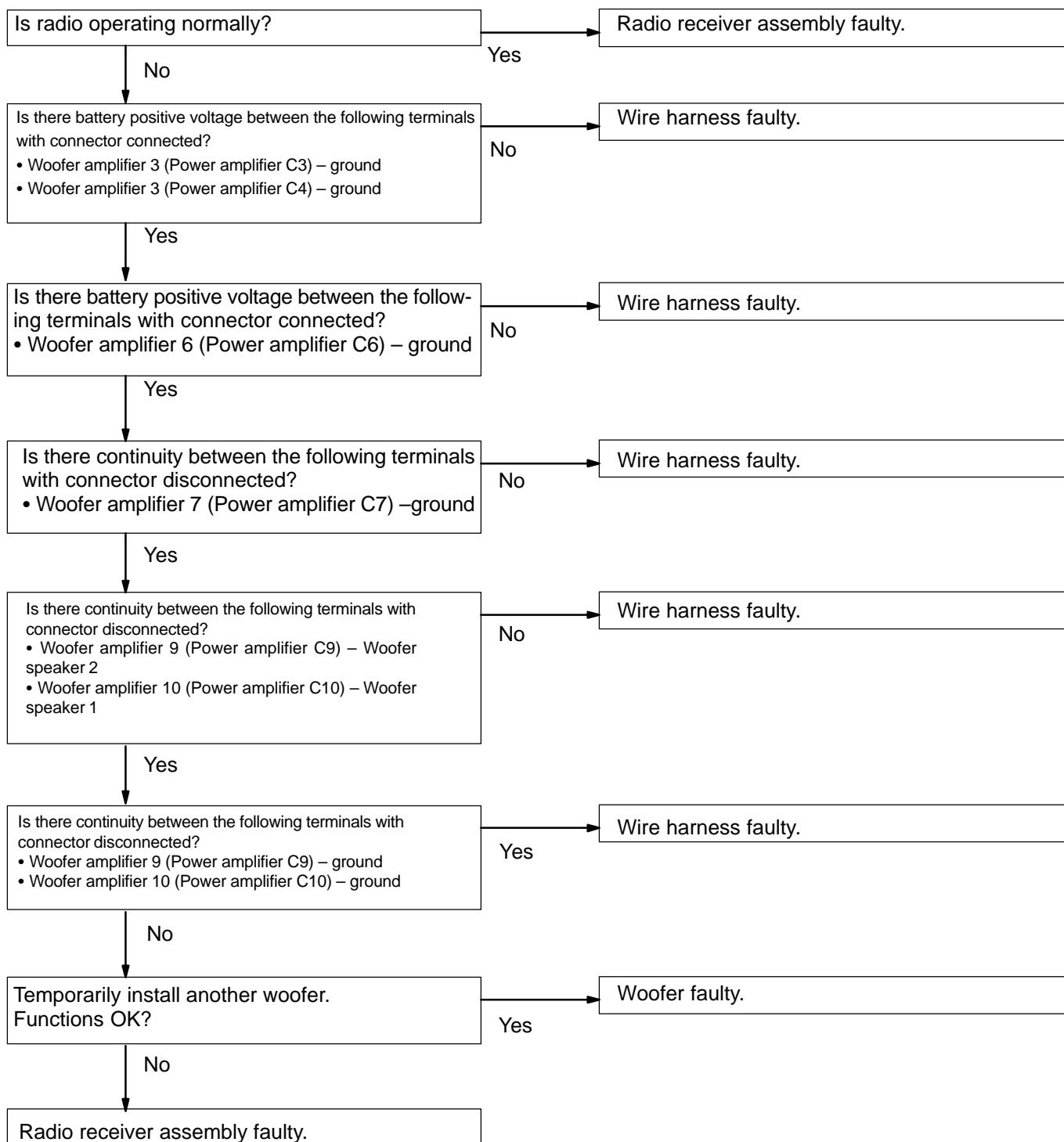
*: only for vehicles with cellular phone

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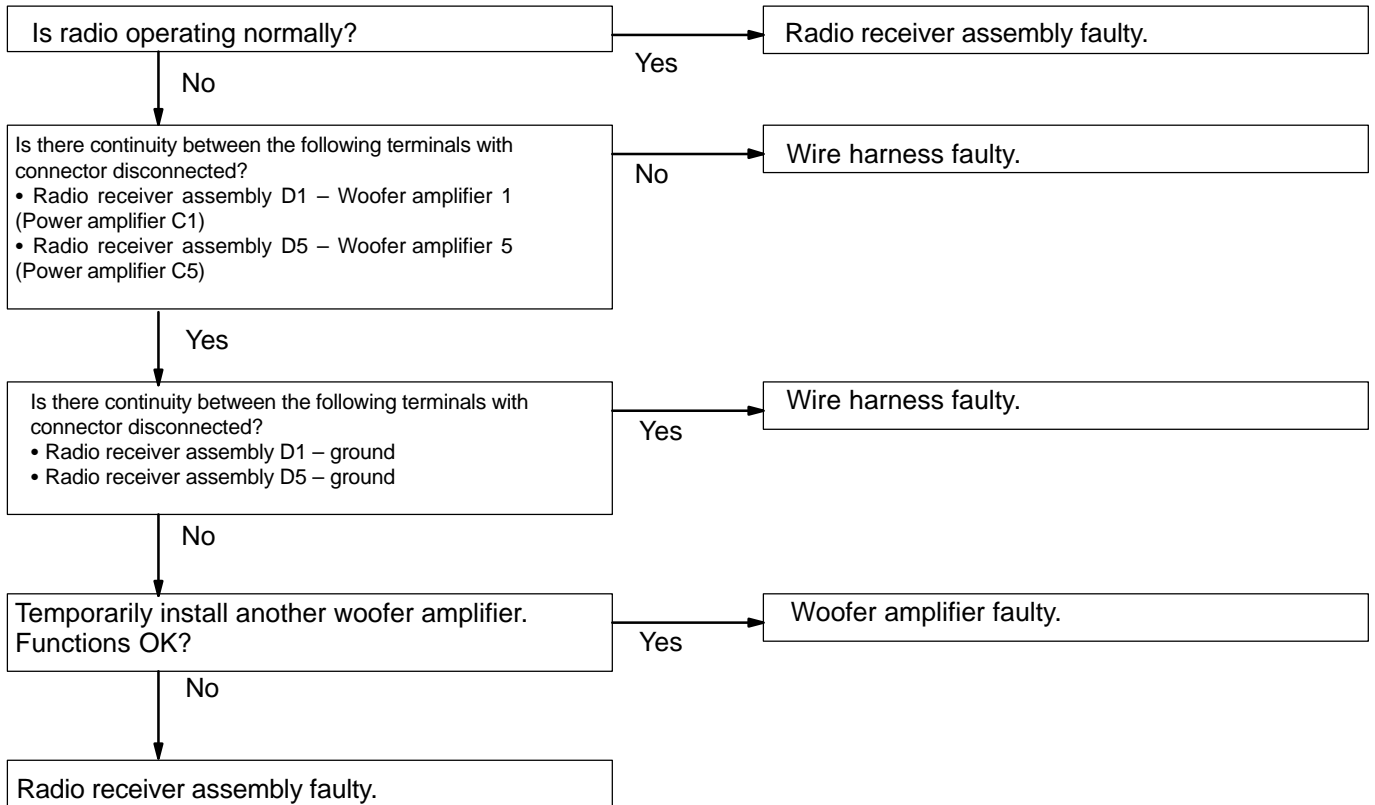
26	CD player	WOOFER DOES NOT WORK
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HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.

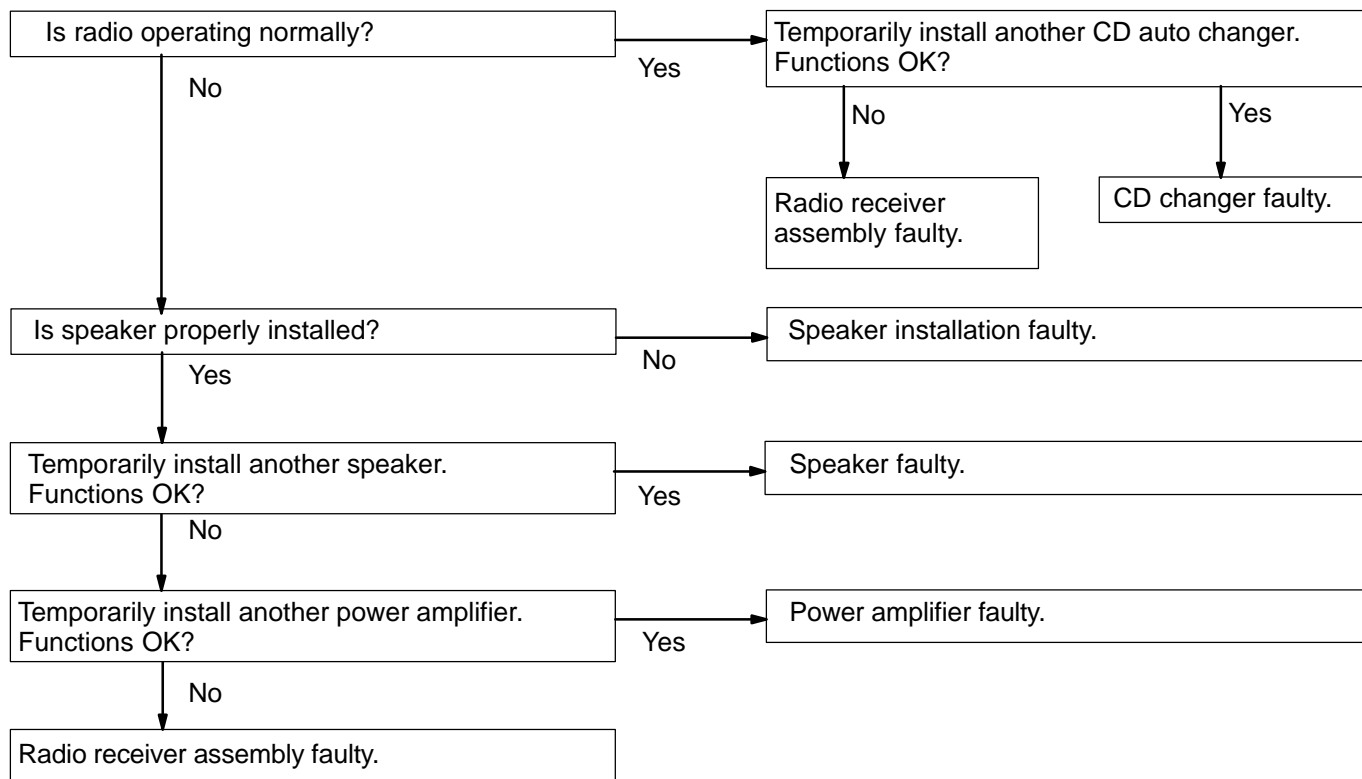


27	CD player	WOOFER VOLUME FAINT
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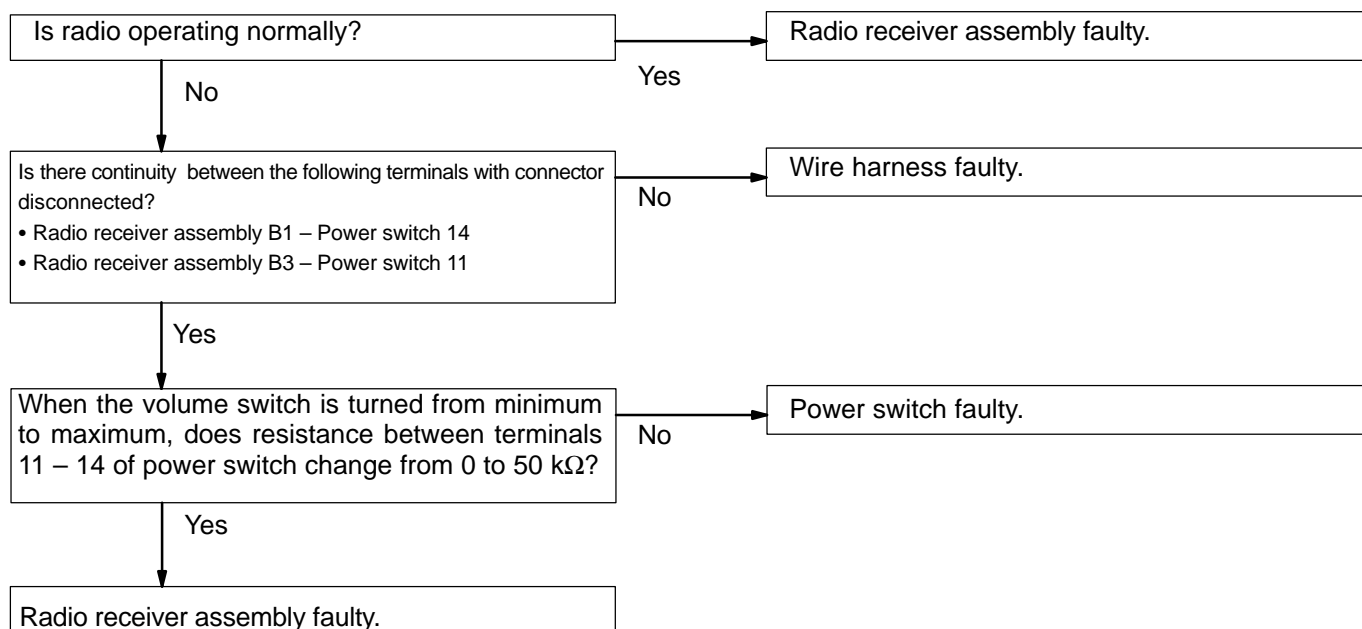
HINT: The part names and terminals indicated in brackets () are for models with a Nakamichi system.

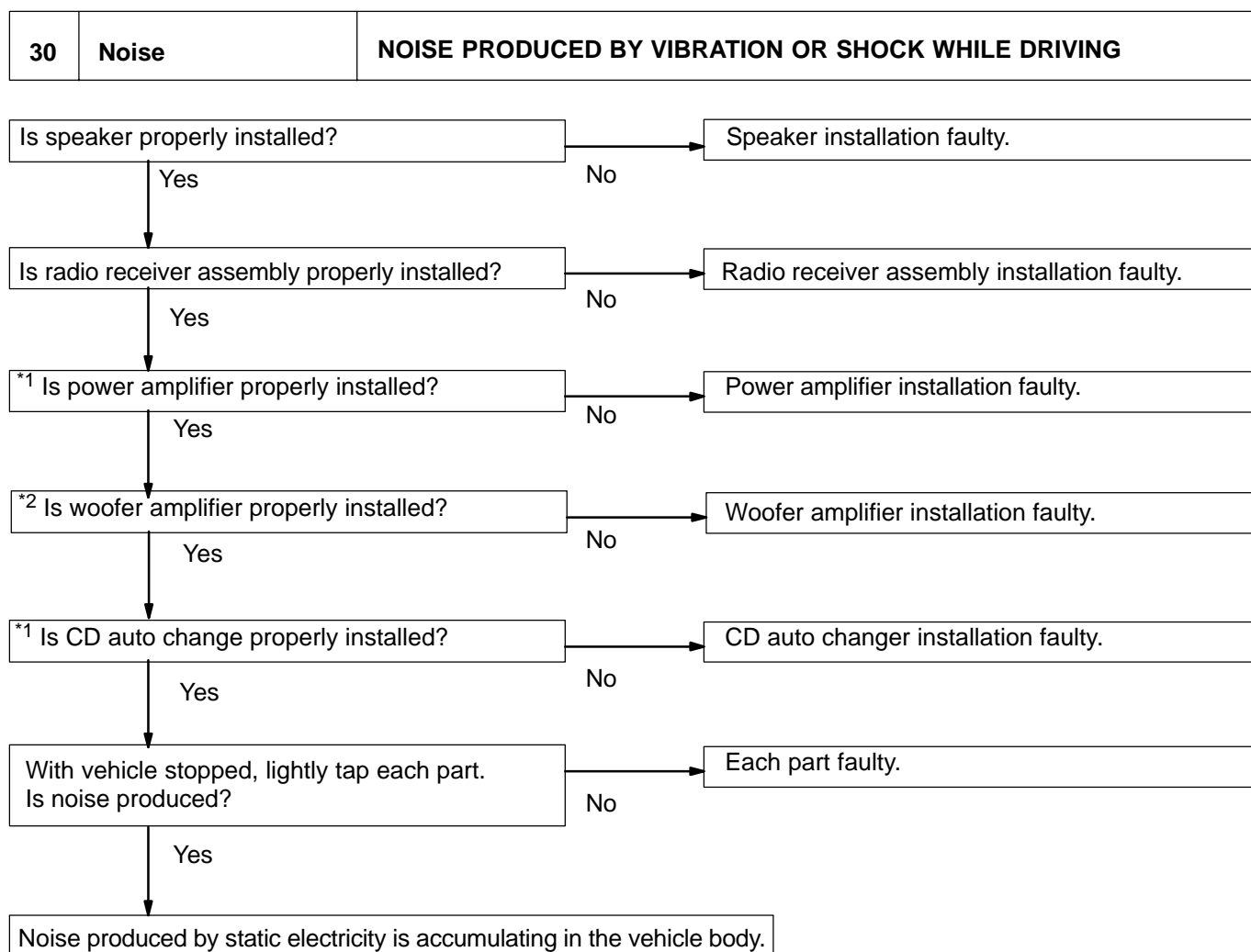


28	CD player	SOUND QUALITY POOR
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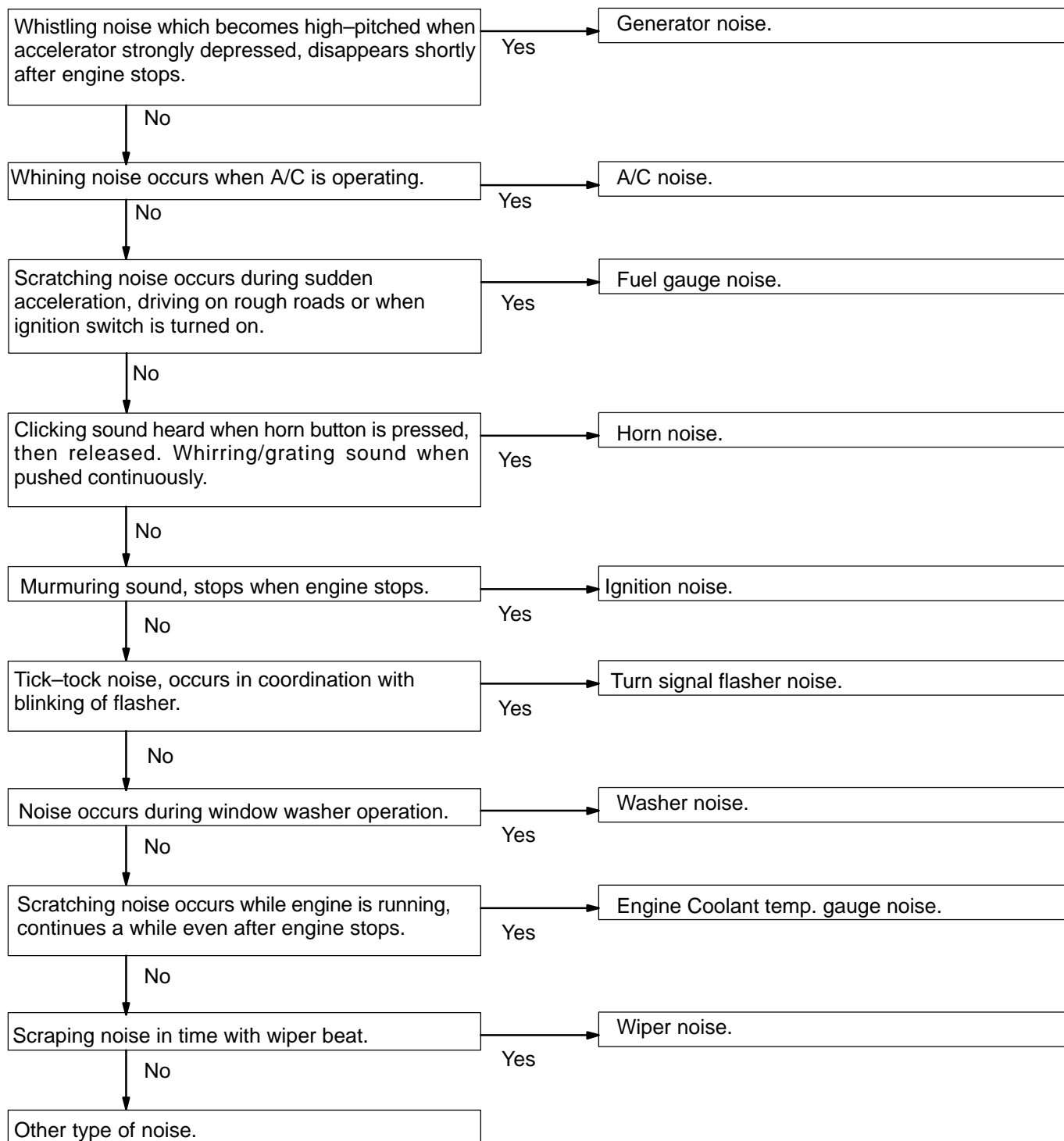


29	CD player	VOLUME REMAINS AT MAXIMUM LEVEL
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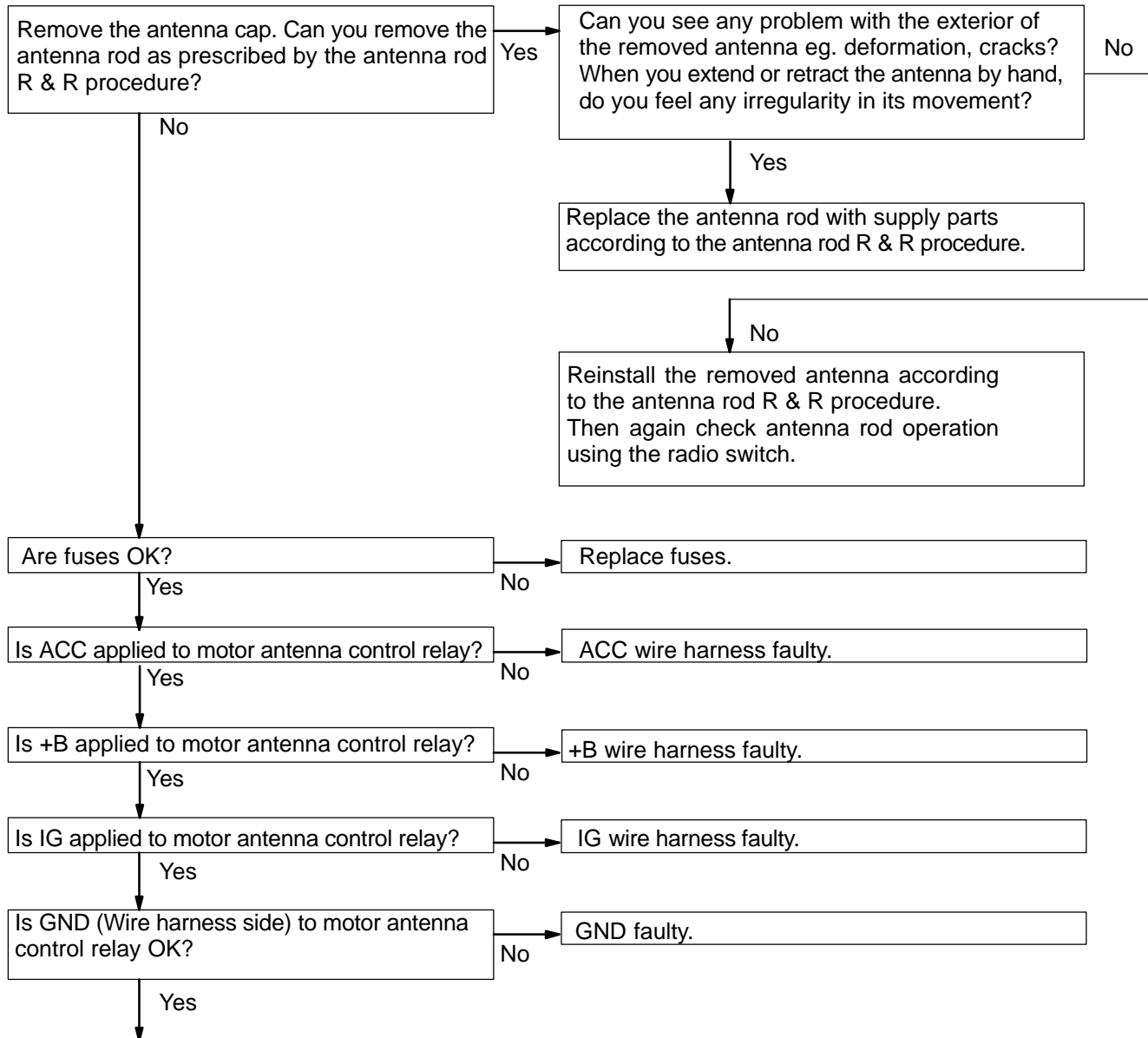




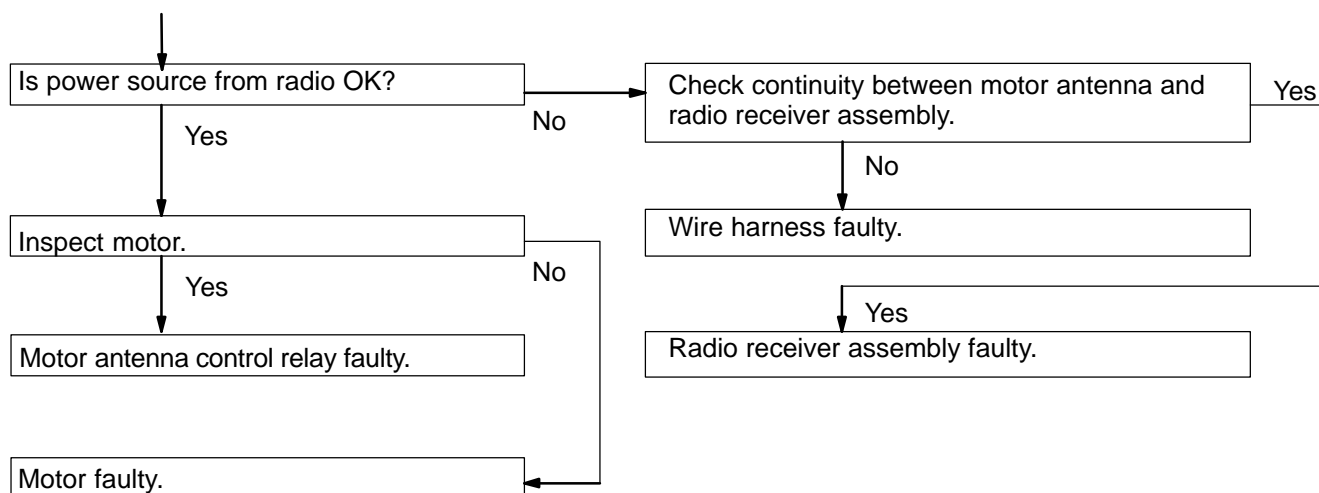
31	Noise	NOISE PRODUCED WHEN ENGINE STARTS
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32	Antenna	ANTENNA DOES NOT FULLY EXTEND OR FULLY RETRACT
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33	Antenna	ANTENNA-RELATED
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