

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 a simple troubleshooting which should be carried out on the vehicle during system operation and is prepared on the assumption of system component troubles (except for 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

	Problem	No.
Radio	No power coming in.	1
	Power coming in, but radio not operating.	2
	Noise present, but AM – FM not operating.	3
	Either speaker does not work.	4
	Either AM or FM does not work.	5
	Reception poor (Volume faint).	5
	Few preset tuning bands.	5
	Sound quality poor.	6
	Cannot set station select button.	7
	Preset memory disappears.	7
Tape Player	Cassette tape cannot be inserted.	8
	Cassette tape inserts, but no power.	9
	Power coming in, but tape player not operating.	10
	Either speaker does not work.	11
	Sound quality poor (Volume faint).	12
	Tape jammed, malfunction with tape speed or auto–reverse.	13
	APS, SKIP, RPT buttons not operating.	14
	Cassette tape will not eject.	15
Antenna	Antenna – related.	16
Noise	Noise produced by vibration or shock while driving.	17
	Noise produced when engine starts.	18

The term "AM" includes LW, MW and the term "FM" includes UKW.

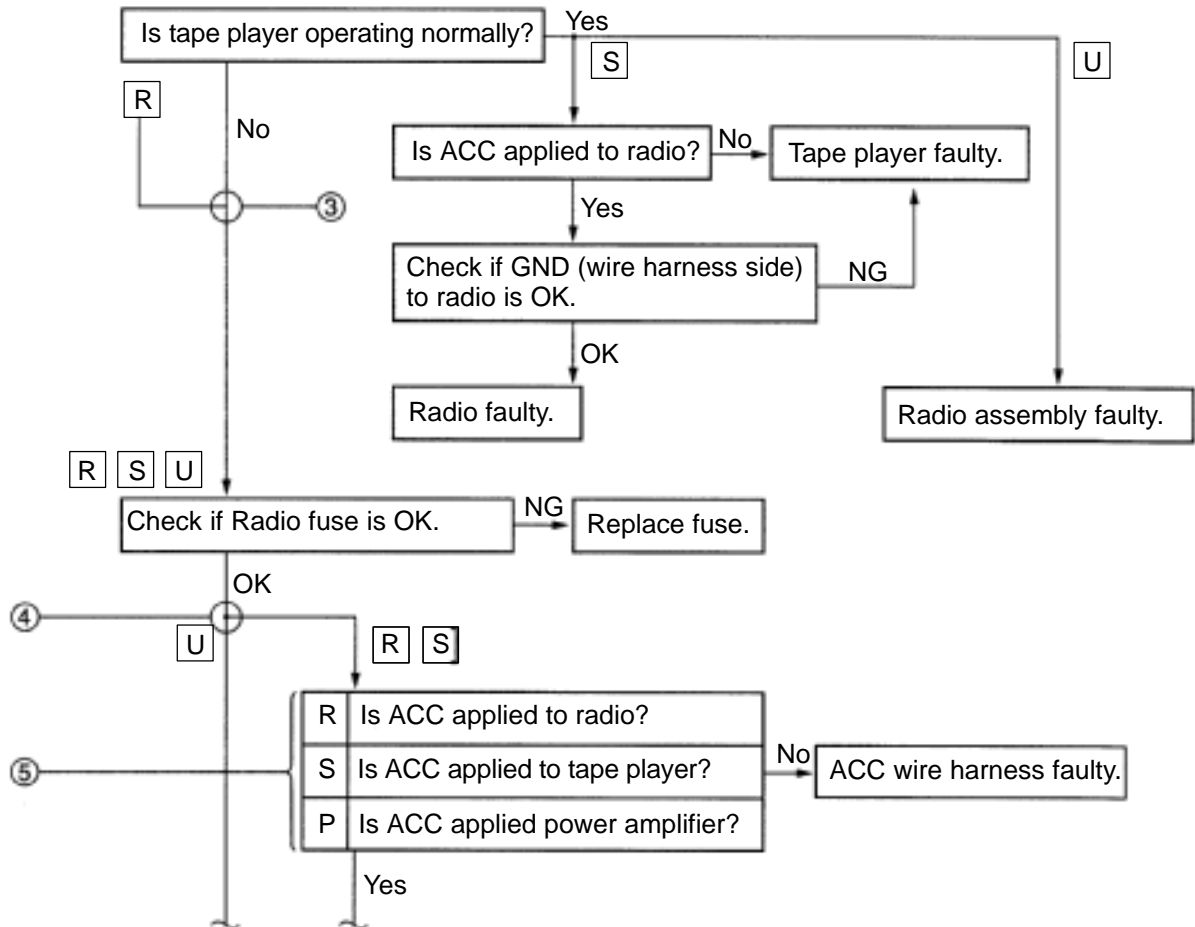
HOW TO USE DIAGNOSTIC CHART

Reference:

1	Radio	NO POWER COMING IN
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① - R : Radio S : Tape Player (Separate) U : Radio – Tape Player Unit

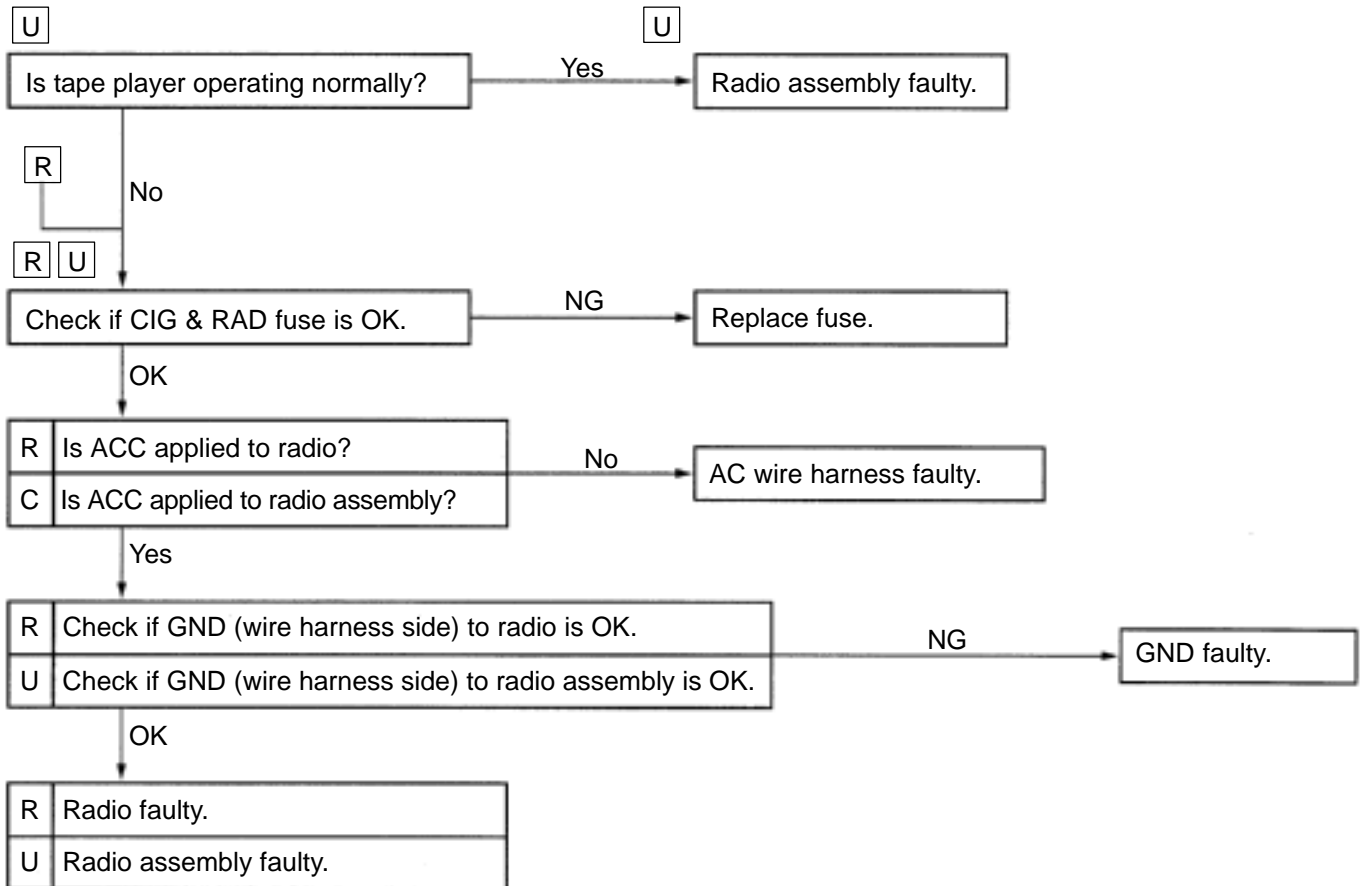
② - S U R



- ① Audio system type and symbol used.
HINT : Confirm the applicable type of audio system.
- ② Symbol for type of audio system the question applies to.
HINT : If the audio system type is not applicable, proceed to next question below.
- ③ Junction without black circle.
HINT : Proceed to next question below.
- ④ Junction with black circle.
HINT : Proceed to question for applicable audio system type.
- ⑤ HINT : Select question for applicable audio system type.

1	Radio	NO POWER COMING IN
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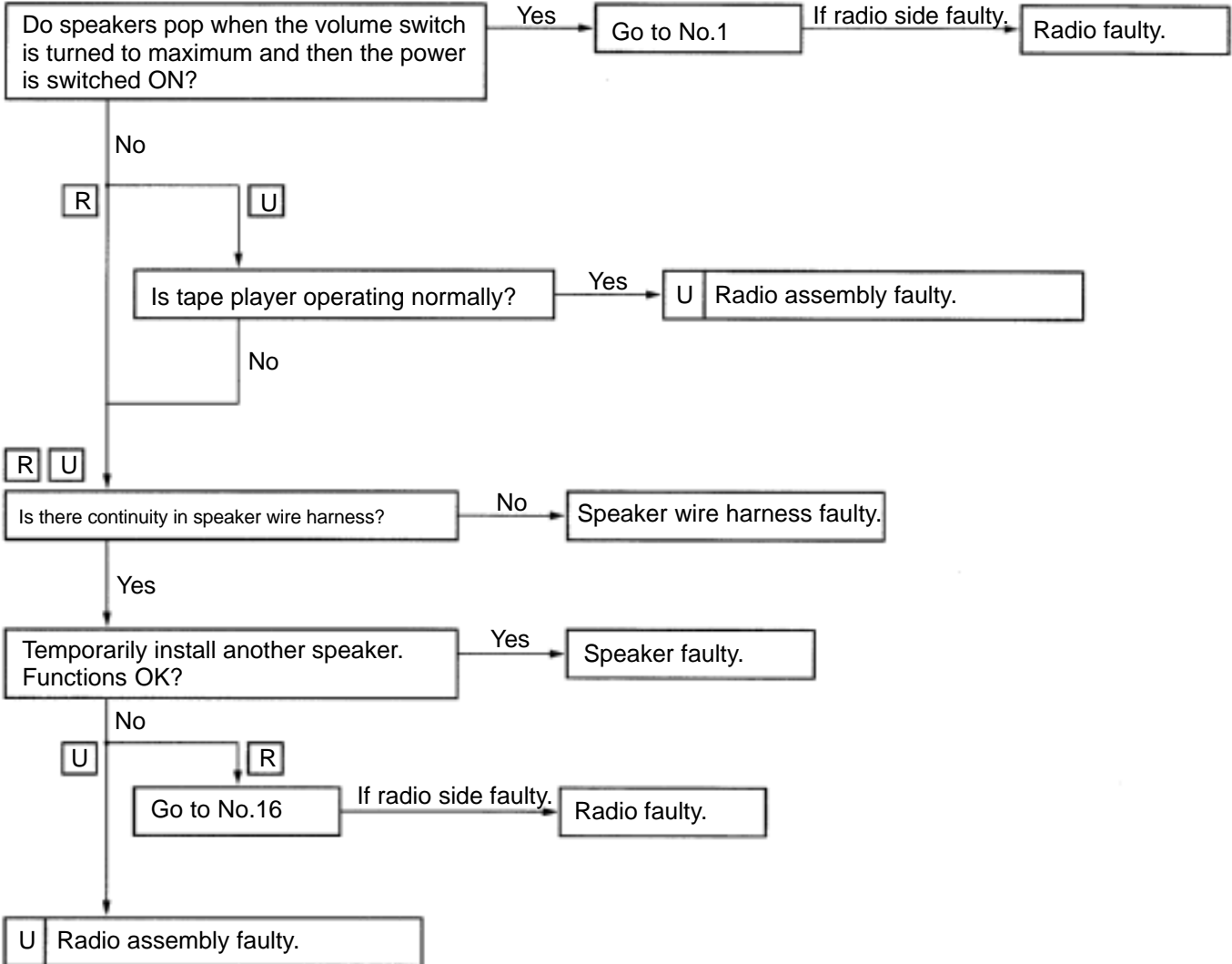
R : Radio **U** : Radio – Tape Player Unit



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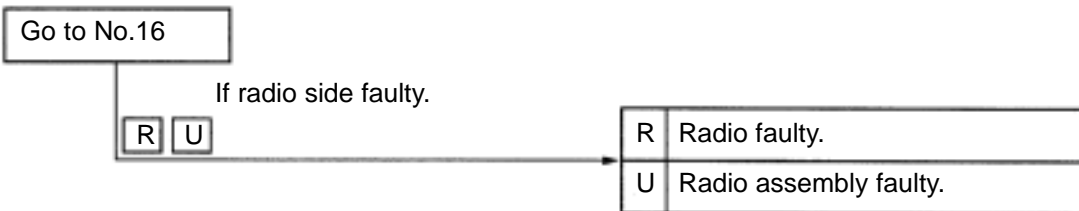
2	Radio	POWER COMING IN, BUT RADIO NOT OPERATING
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R : Radio **U** : Radio – Tape Player Unit



3	Radio	NOISE PRESENT, BUT AM-FM NOT OPERATING
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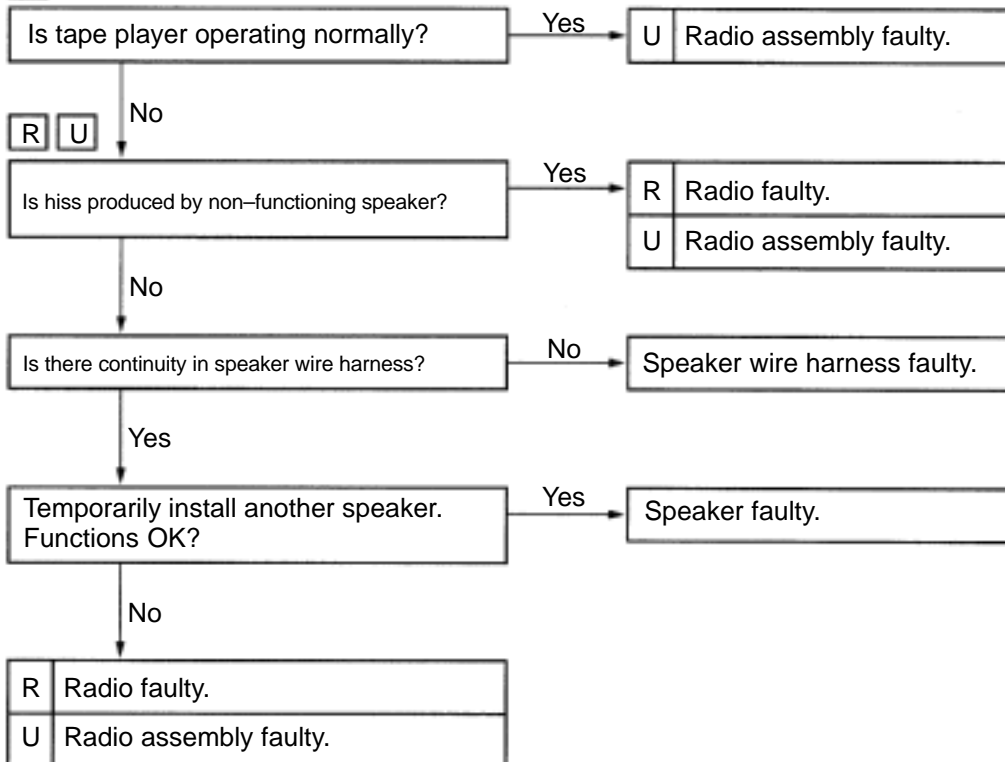
R : Radio **U** : Radio – Tape Player Unit



4	Radio	EITHER SPEAKER DOES NOT WORK
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R : Radio **U** : Radio – Tape Player Unit

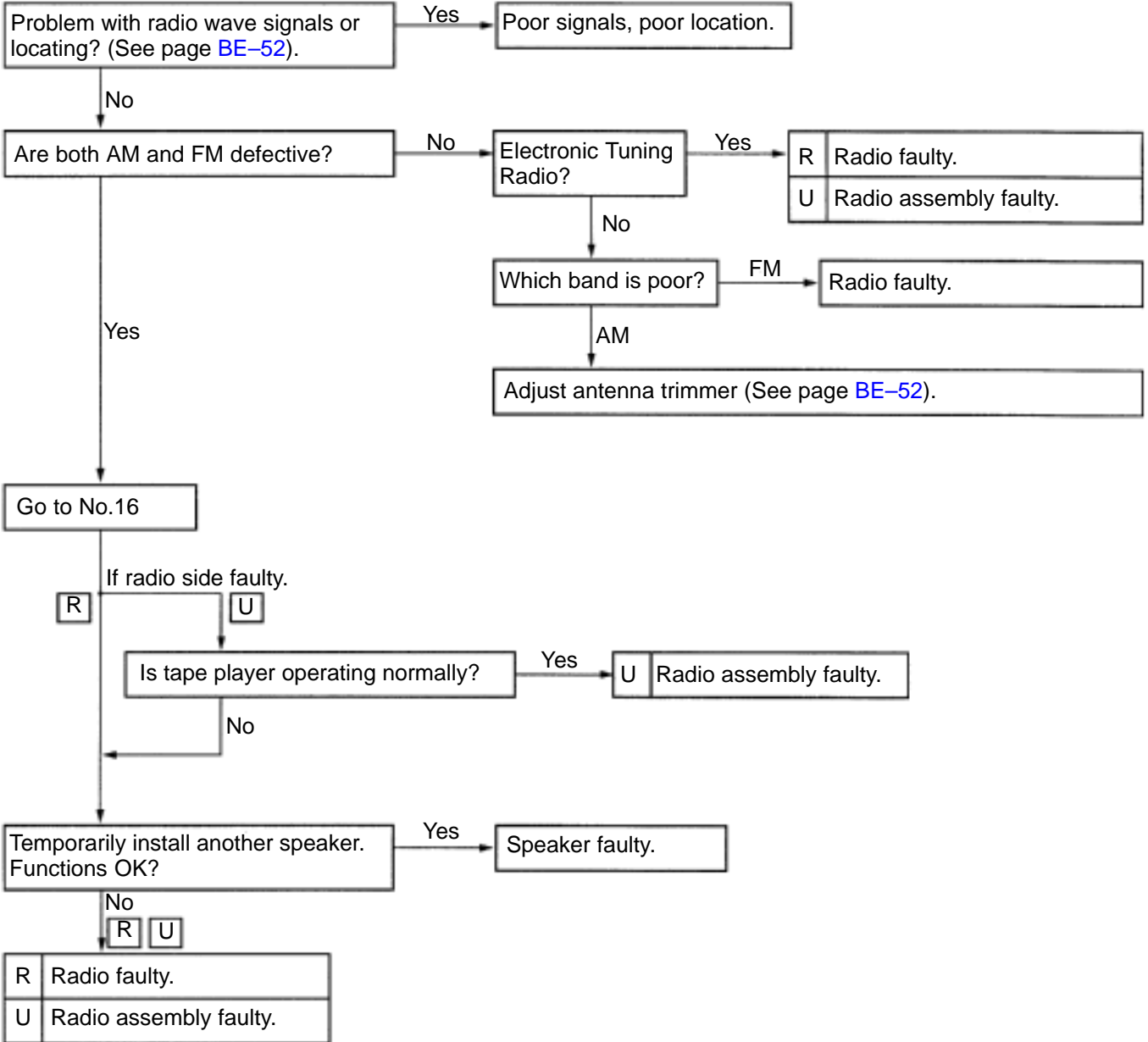
U



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5	Radio	EITHER AM OR FM DOES NOT WORK, RECEPTION POOR (VOLUME FAINT), FEW PRESET TUNING BANDS
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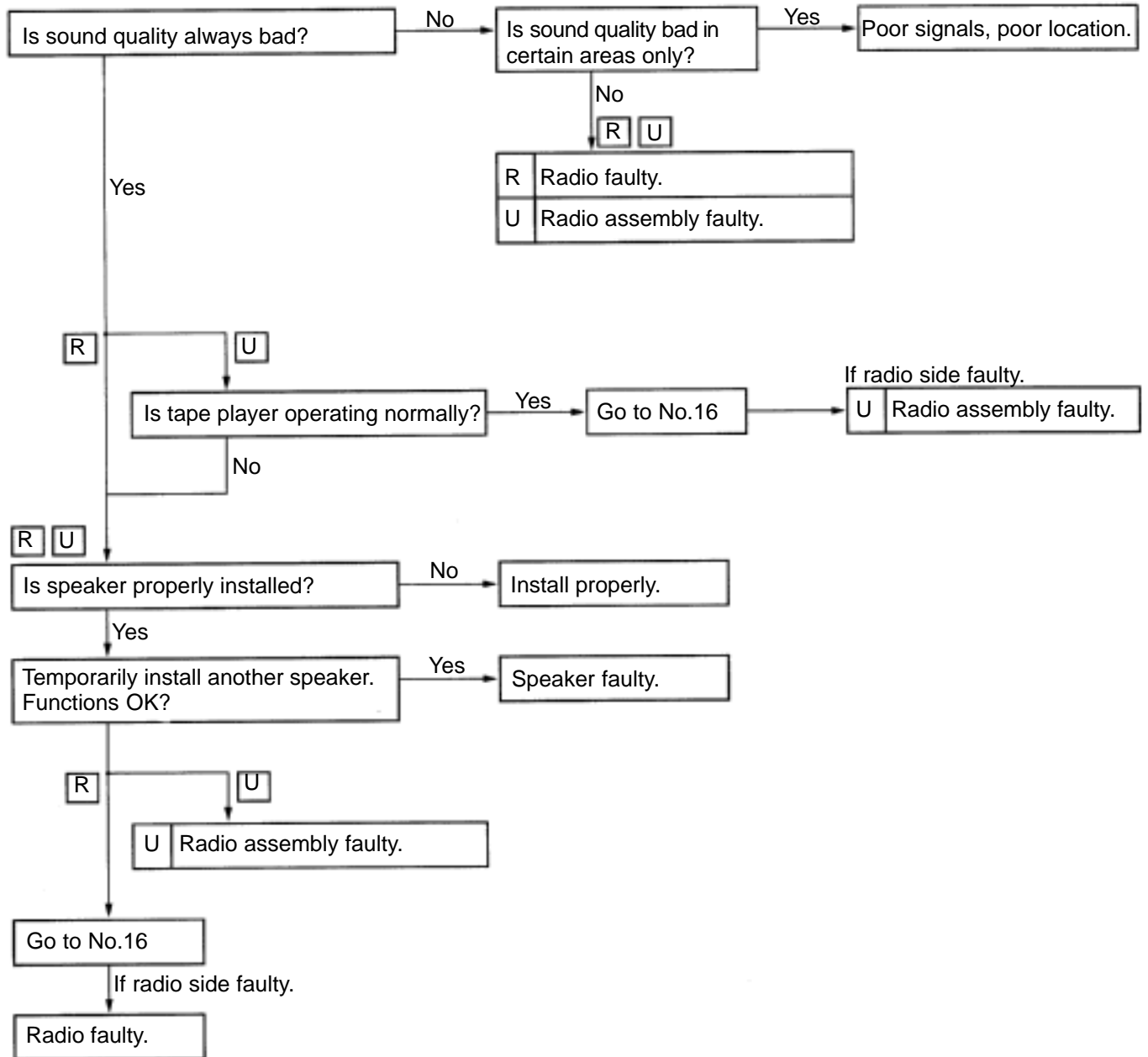
R : Radio **U** : Radio – Tape Player Unit



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6	Radio	SOUND QUALITY POOR
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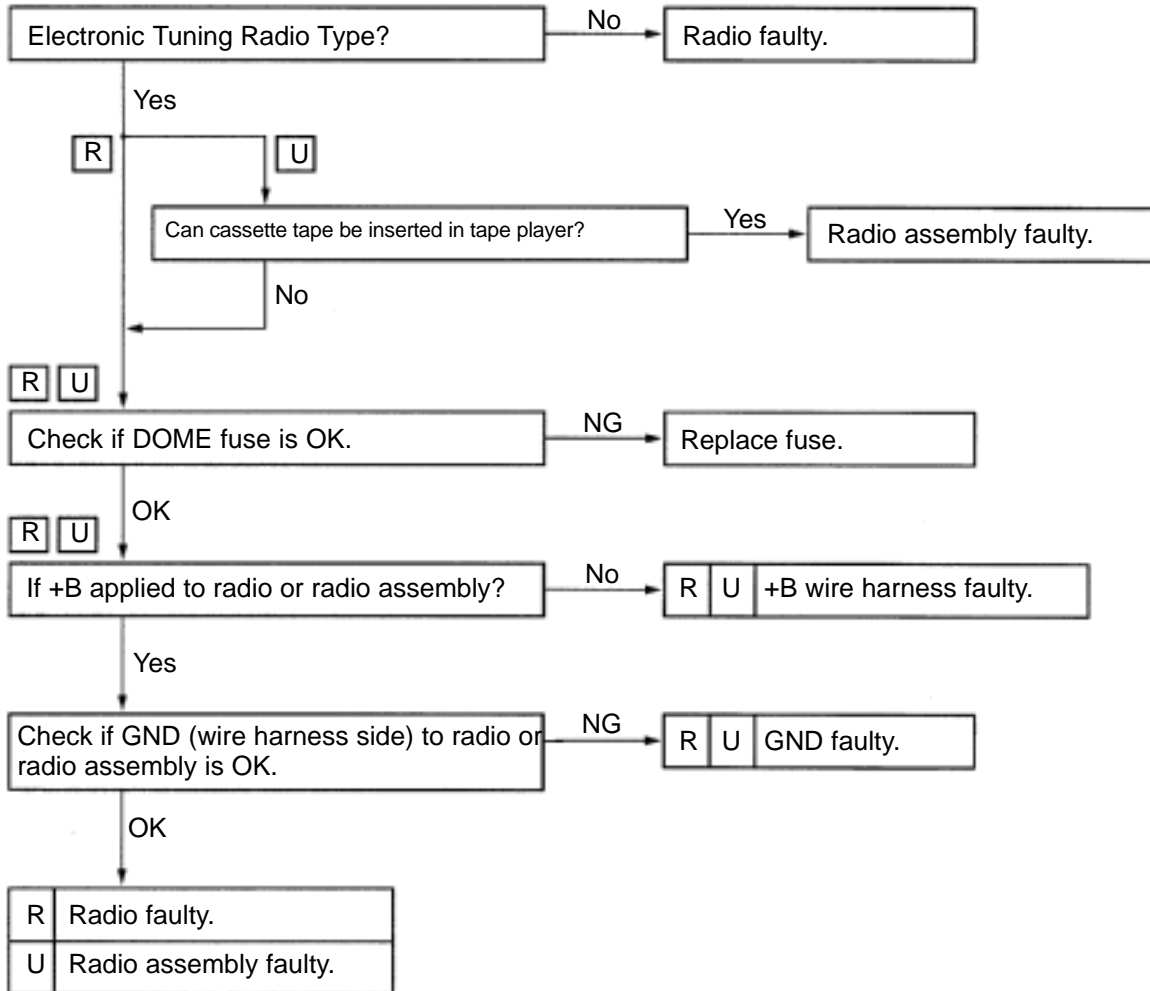
R : Radio **U** : Radio – Tape Player Unit



V08175

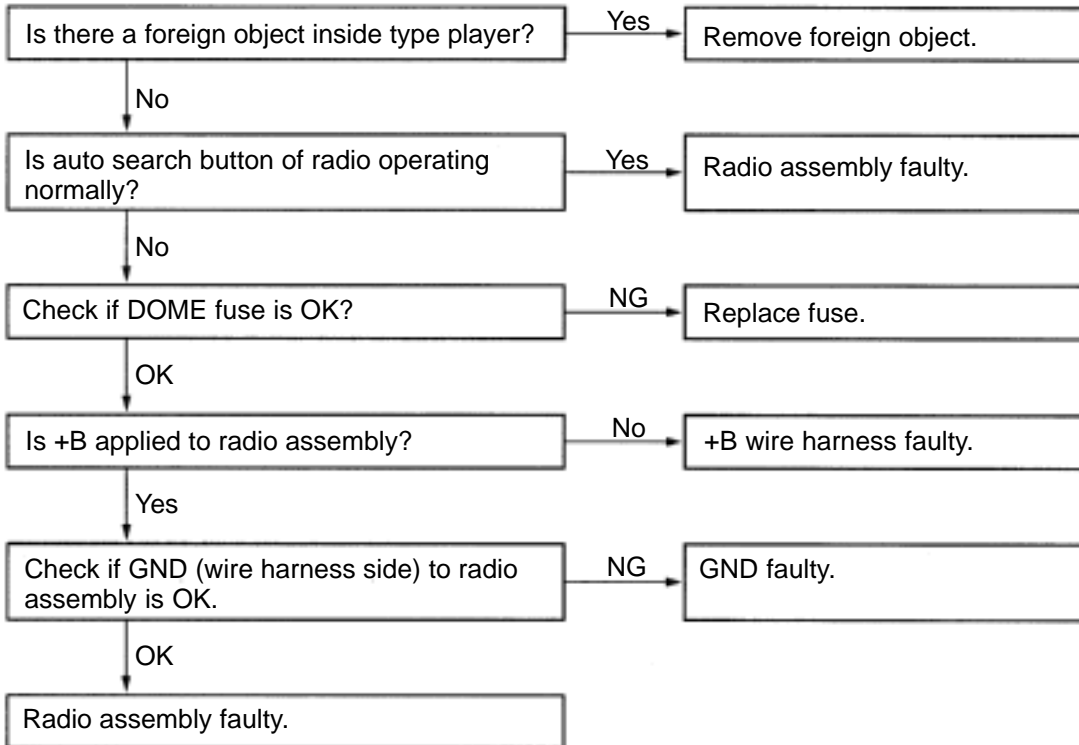
7	Radio	CANNOT SET STATION SELECT BUTTON, PRESET MEMORY DISAPPEARS
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R : Radio **U** : Radio – Tape Player Unit



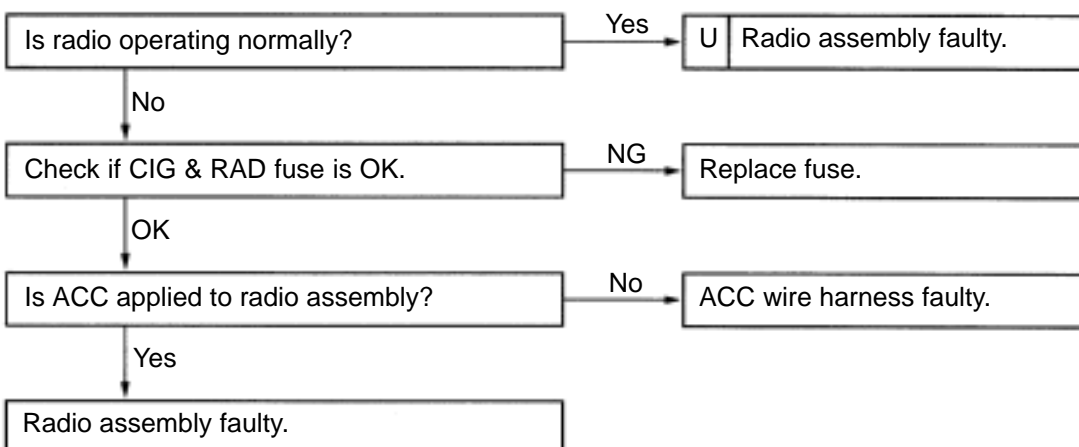
8	Tape Player	CASSETTE TAPE CANNOT BE INSERTED
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U : Radio – Tape Player Unit



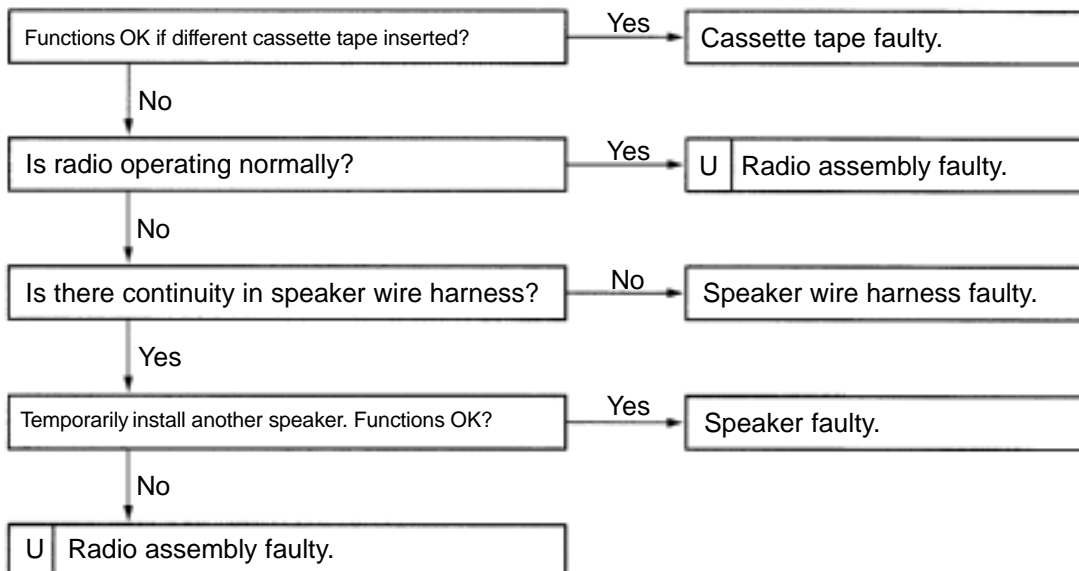
9	Tape Player	CASSETTE TAPE INSERTS, BUT NO POWER
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U : Radio – Tape Player Unit



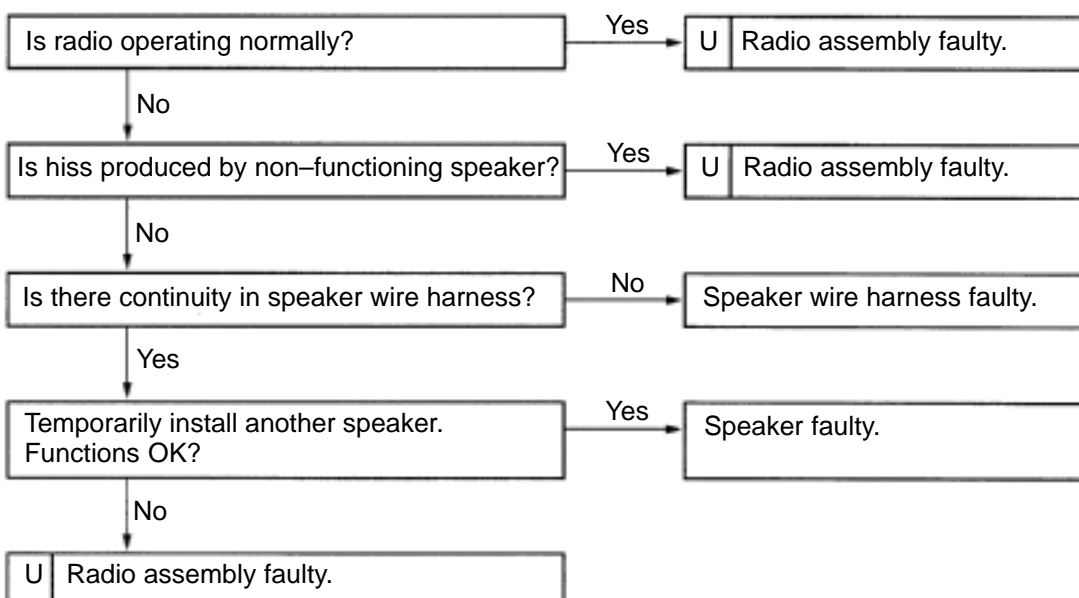
10	Tape Player	POWER COMING IN, BUT TAPE PLAYER NOT OPERATING
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U : Radio – Tape Player Unit



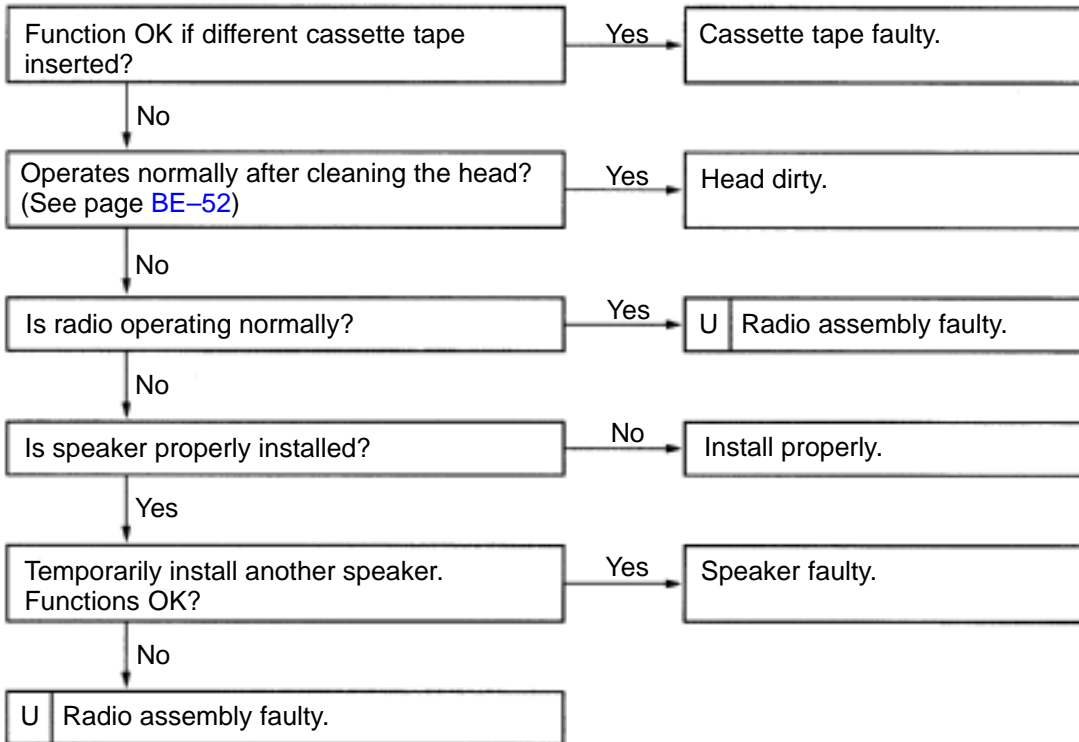
11	Tape Player	EITHER SPEAKER DOES NOT WORK
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U : Radio – Tape Player Unit



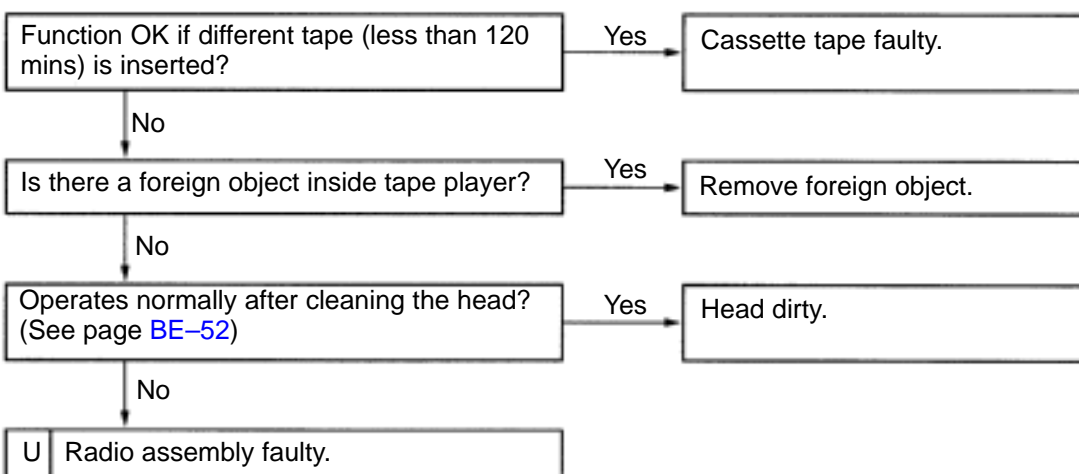
12	Tape Player	SOUND QUALITY POOR (VOLUME FAINT)
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U : Radio – Tape Player Unit



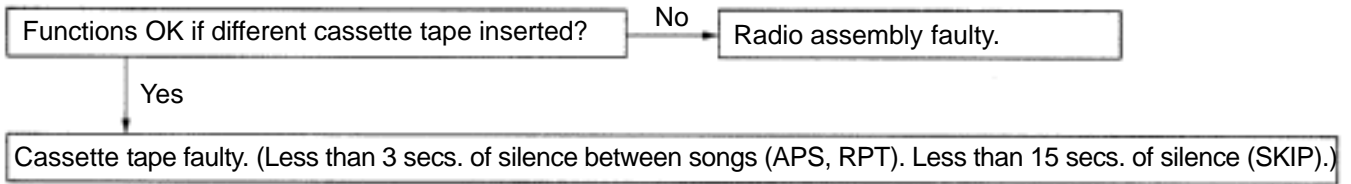
13	Tape Player	TAPE JAMMED, MALFUNCTION WITH TAPE SPEED OR AUTO-REVERSE
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U : Radio – Tape Player Unit



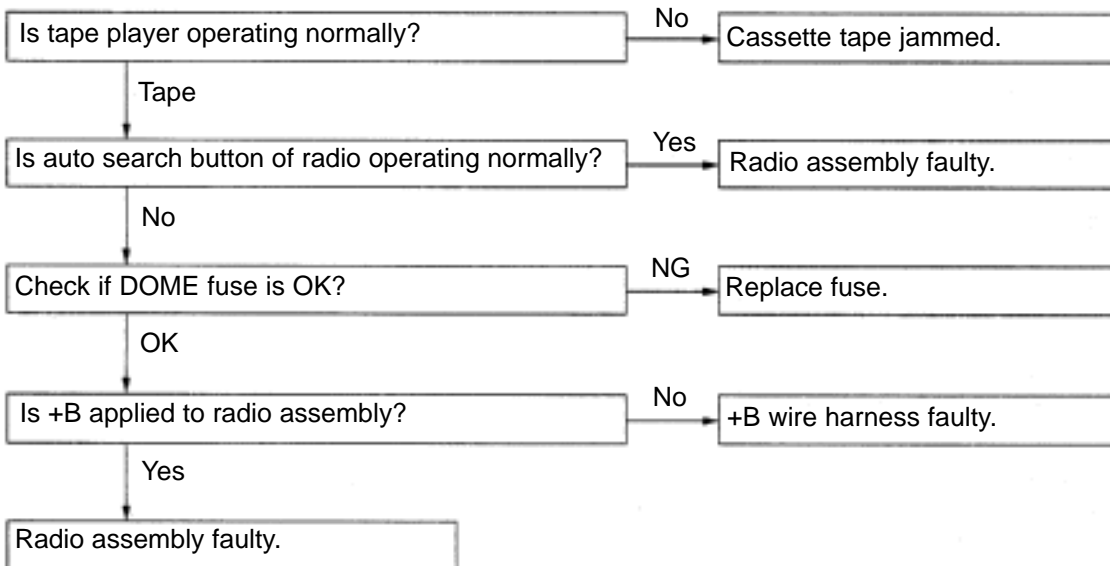
V08179

14	Tape Player	APS, SKIP, RPT BUTTONS NOT OPERATING
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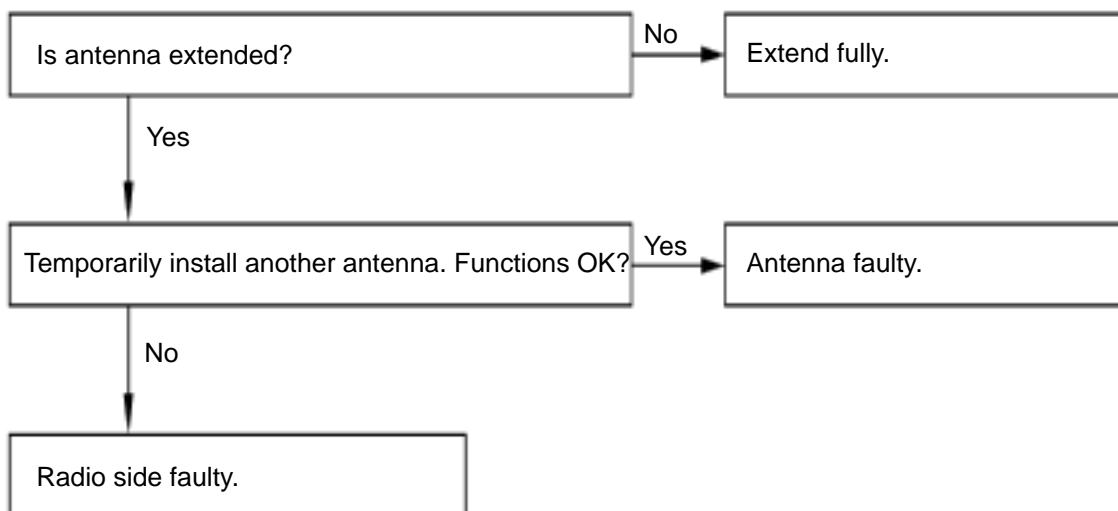
15	Tape Player	CASSETTE TAPE WILL NOT EJECT
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U : Radio – Tape Player Unit

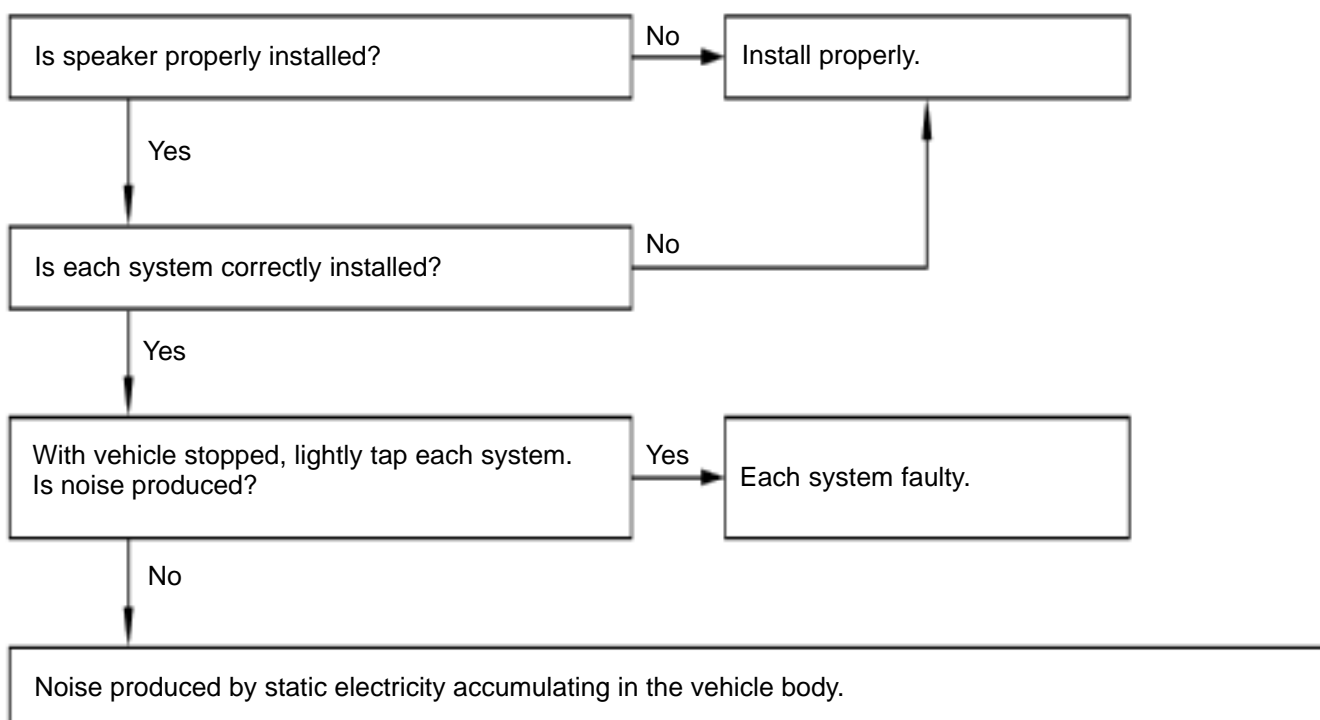


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16	Antenna	ANTENNA-RELATED
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17	Noise	NOISE PRODUCED BY VIBRATION OR SHOCK WHILE DRIVING
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18	Noise	NOISE PRODUCED WHEN ENGINE STARTS
	Whistling noise which becomes high-pitched when accelerator strongly depressed, disappears shortly after engine stop.	Yes → Generator noise.
	No	
	Whining noise occurs when A/C is operating.	Yes → A/C noise.
	No	
	Scratching noise occurs during sudden acceleration, driving on rough roads or when ignition switch is turned on.	Yes → Fuel gauge noise.
	No	
	Clicking sound heard when horn button is pressed, then released. Whirring/grating sound when pushed continuously.	Yes → Horn noise.
	No	
	Murmuring sound stops when engine stops.	Yes → Ignition noise.
	No	
	Tick-tock noise, occurs in co-ordination with blinking of flasher.	Yes → Turn signal noise.
	No	
	Noise occurs during window washer operation.	Yes → Washer noise.
	No	
	Scratching noise occurs while engine is running, continues a while even after engine stops.	Yes → Engine coolant temperature gauge noise.
	No	
	Scraping noise in time with wiper beat.	Yes → Wiper noise.
	No	
	Other type of noise.	

V08183