

AUDIO SYSTEM

Troubleshooting

DESCRIPTION OF SYMBOLS

 Inspect
 Check or replace part
 Test by operating radio

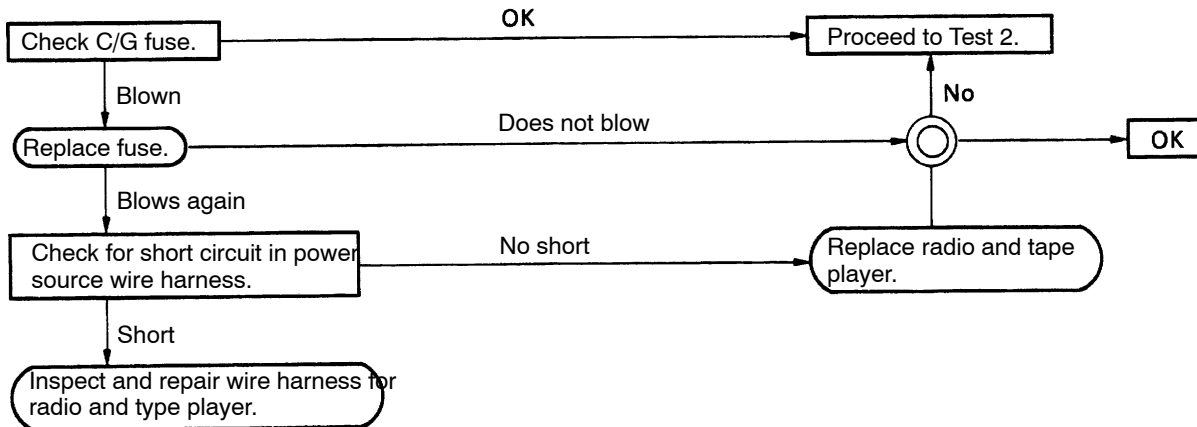
1. DEAD RADIO AND TAPE PLAYER

(a) No power to radio or tape player, or power but no sound.

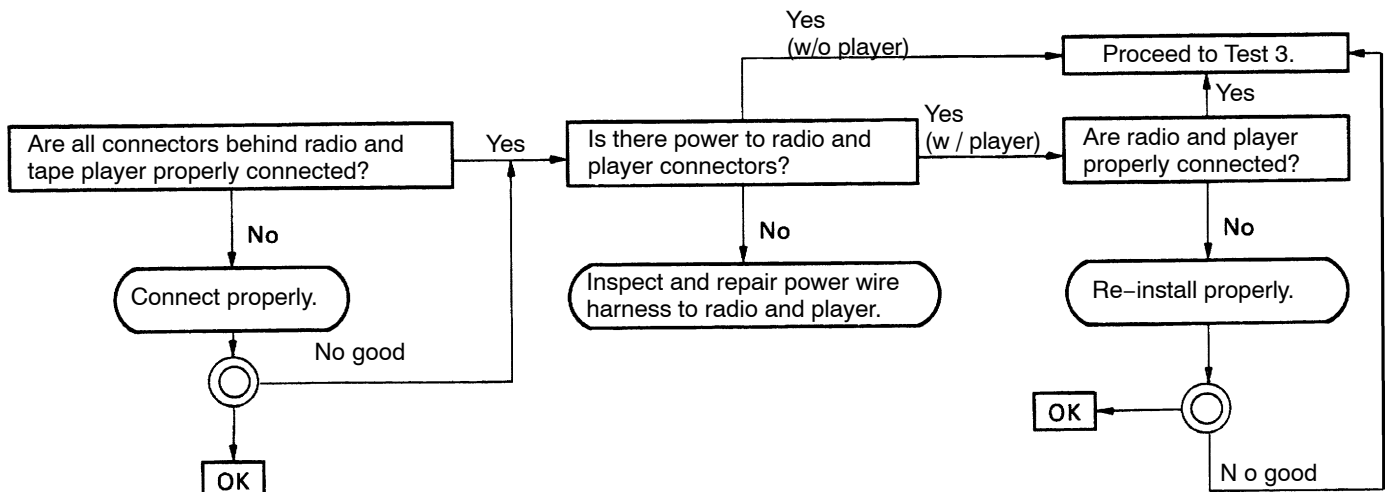
Possible causes:

- Blown C/G fuse Defection
- Short circuit or broken wire in power Broken source wire harness
- Loose connectors behind radio and player tape player
- Loose speaker connector
- Defective speaker
- Broken wire in speaker wire harness
- Improperly installed radio or tape player
- Defective radio or tape player

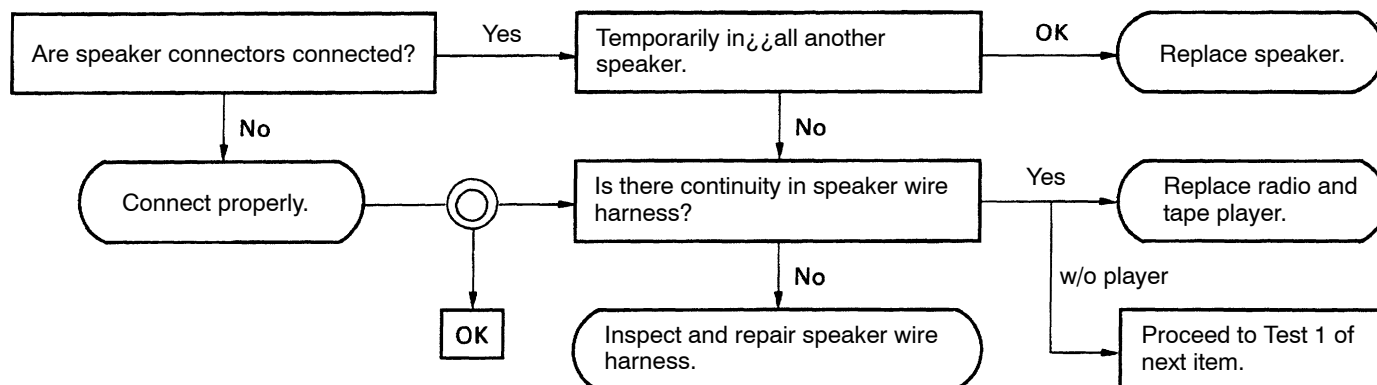
TEST 1



TEST 2



TEST 3

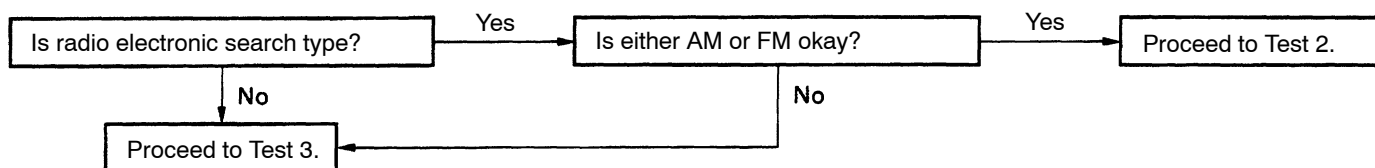


(b) Tape player okay but no sound from AM and FM or either one.

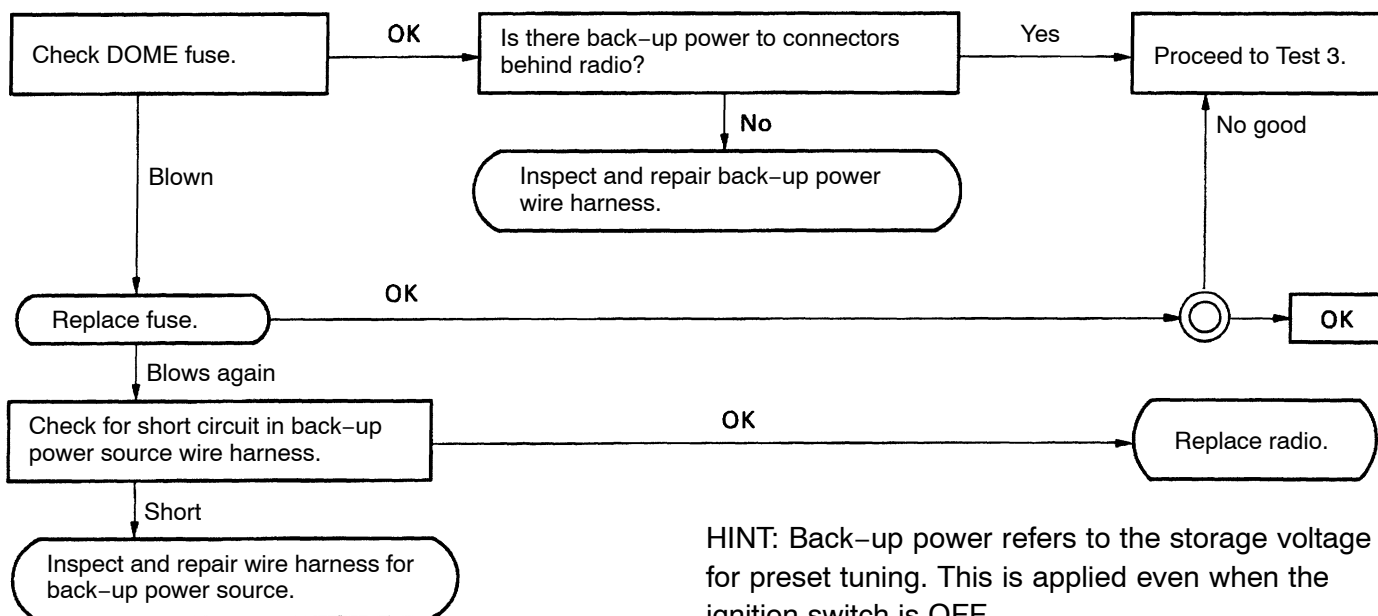
Possible causes:

- Antenna disconnected
- Antenna plug not properly connected
- Defective antenna
- Defective antenna cable harness
- Defective radio or tape player
- Blown DOME fuse
- Short circuit or broken wire in wire harness for back-up power source

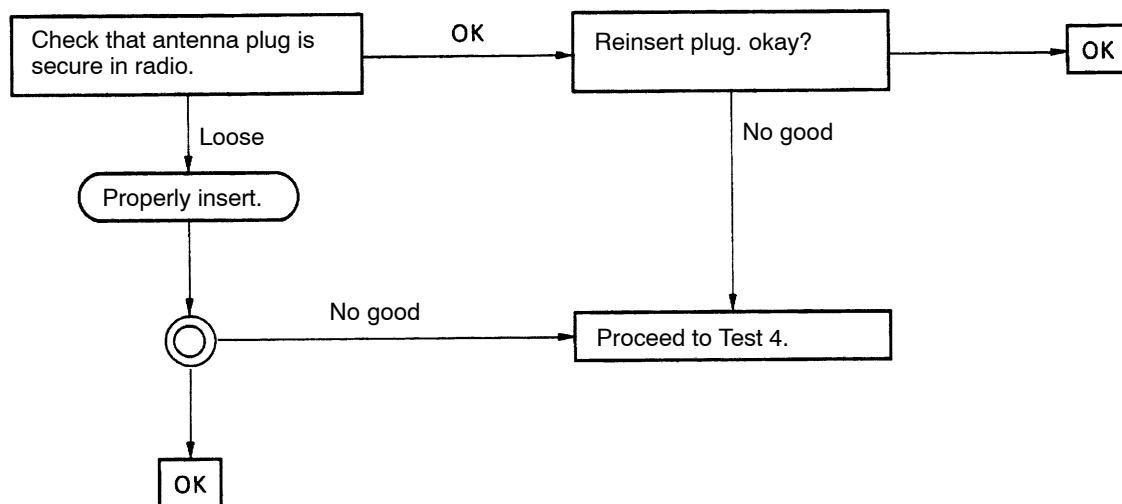
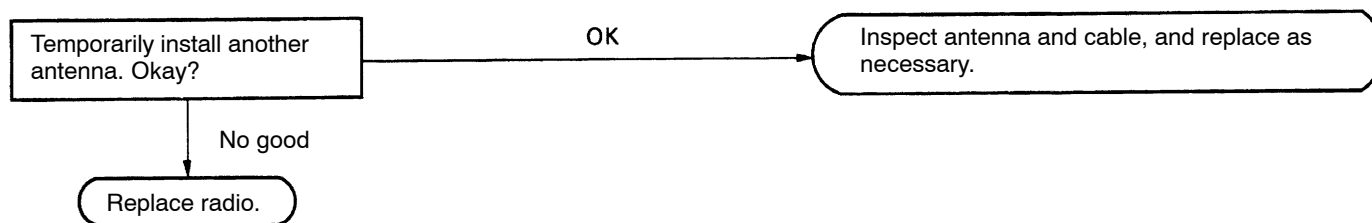
TEST 1



TEST 2



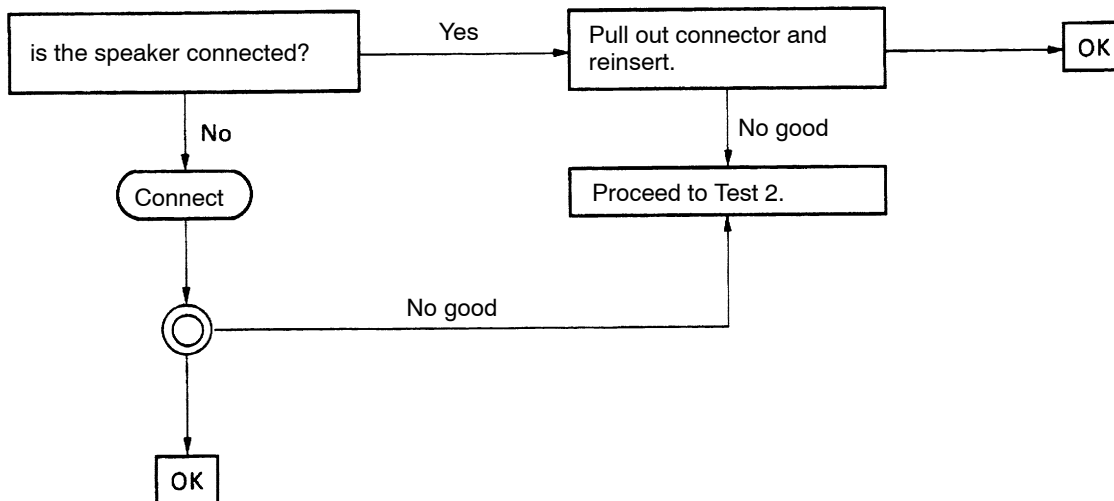
HINT: Back-up power refers to the storage voltage for preset tuning. This is applied even when the ignition switch is OFF

TEST 3TEST 4

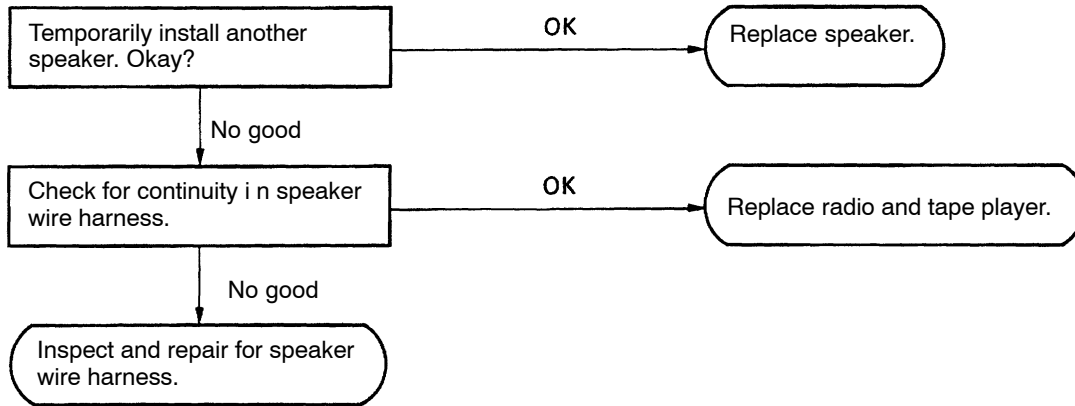
(c) No sound from one speaker.

Possible causes:

- Loose speaker connector
- Broken wire in speaker wire harness
- Defective speaker
- Defective radio and tape player

TEST 1

TEST 2

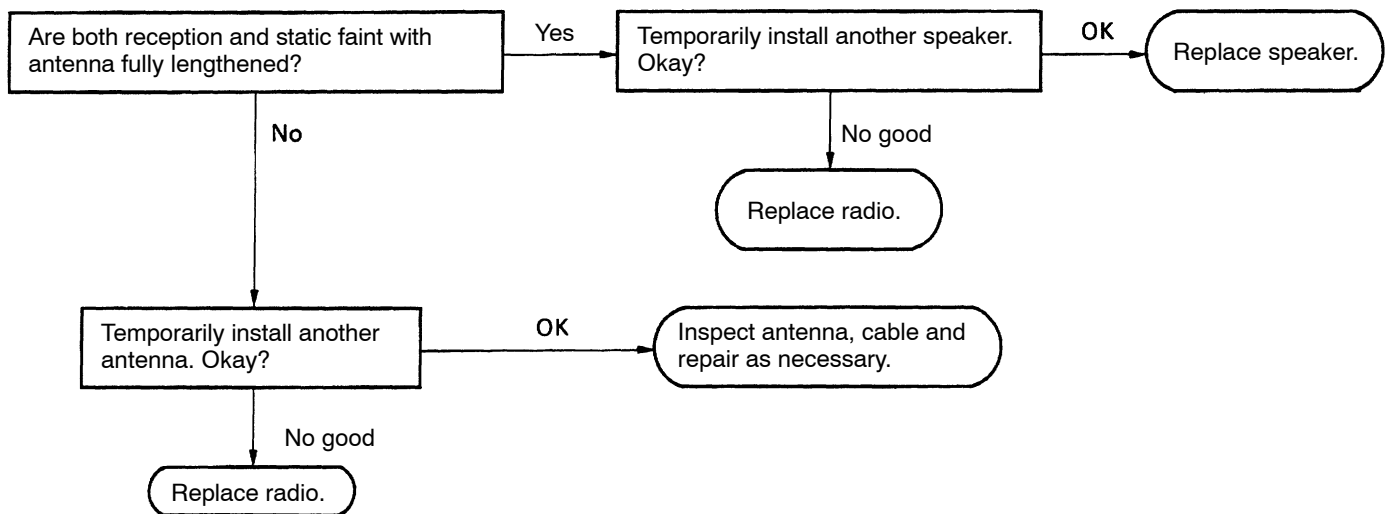


2. FAINT RECEPTION

Possible causes:

- Incorrectly adjusted antenna trimmer
- Defective speaker
- Defective antenna or cable
- Defective radio

TEST



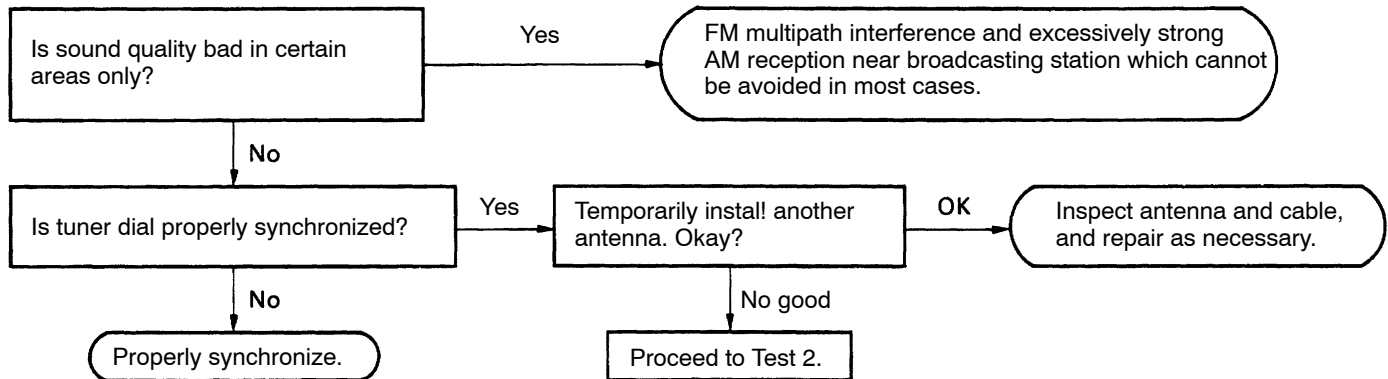
3. BAD SOUND QUALITY

(a) Sound quality bad when radio played.

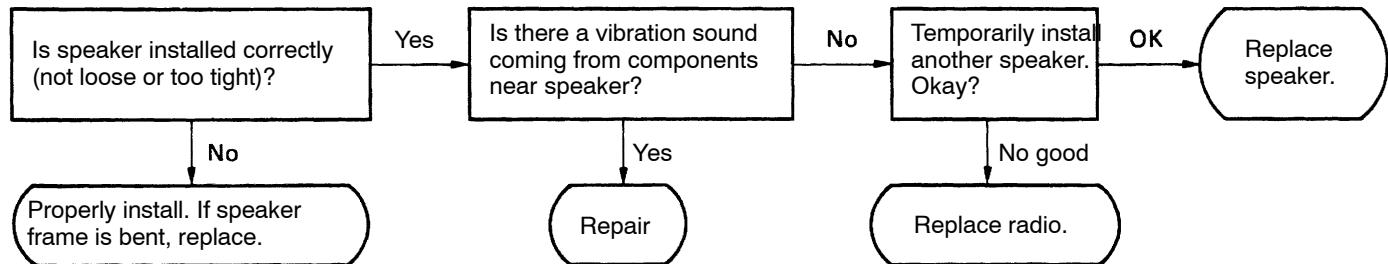
Possible causes:

- Multipath interference or excessive interception
- Tuner dial not synchronized with station
- Defective antenna and/or cable
- Speaker improperly installed
- Vibration sound from components near speaker
- Defective speaker
- Defective radio

TEST 1



TEST 2



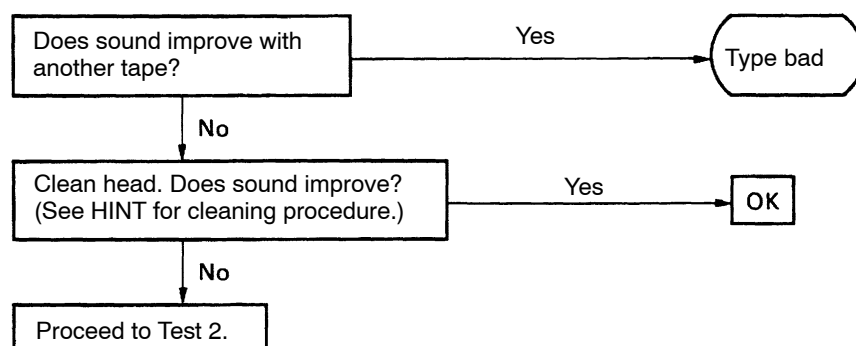
HINT: FM distortion tends to increase sharply if tuner is not synchronized.

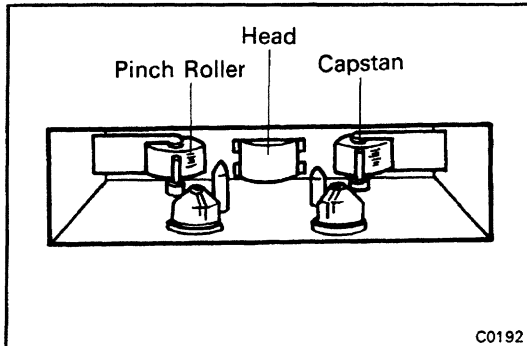
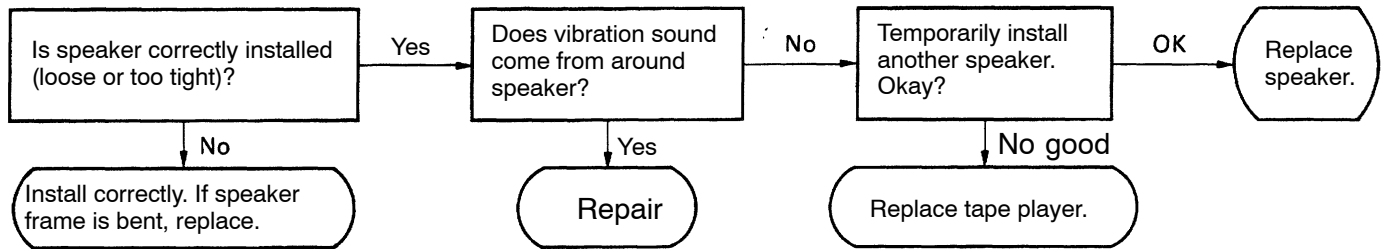
(b) Sound quality bad when tape player played.

Possible causes:

- Bad taper Vibration noise from around speaker
- Dirty head Defective speaker
- Incorrectly installed speaker Defective tape player
- Vibration noise from around speaker
- Defective speaker
- Defective tape player

TEST 1



TEST 2

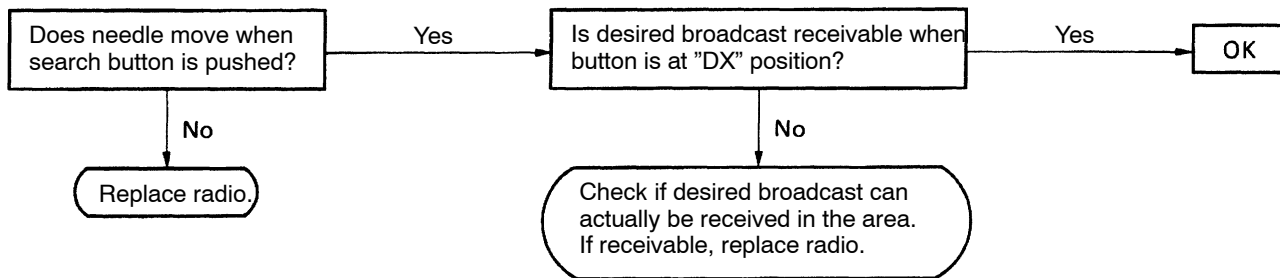
HINT: Head cleaning procedure.

- (a) Raise the cassette door with your finger. Next using a pencil or like object, push in the guide.
- (b) Using a cleaning pen or cotton applicator soaked in alcohol, clean the head surface, pinch rollers and capstans.
- (c) Push in the eject. button.

4. DEFECTIVE AUTO-SEARCH MECHANISM

Manual search possible but automatic search mechanism does not function or does not stop at all receivable stations.

- Poor search sensitivity (DX/ LOC button)
- Defective radio

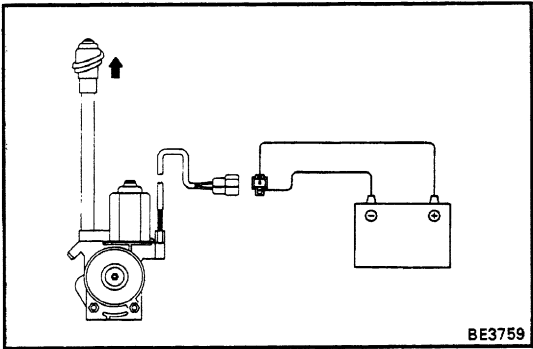
TEST

Parts Inspection

1. INSPECT ANTENNA SWITCH (Continuity)

Terminals Switch position	1	2	3	4
	UP			
OFF				
DOWN				

If continuity is not as specified, replace the switch.



2. INSPECT ANTENNA MOTOR

- (a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2.
- (b) Check that the motor turns (moves upward).
- (c) Then, reverse the polarity, check that the motor turns the opposite way (moves downward).

NOTICE: These tests must be performed quickly (within 3-5 seconds) to prevent the coil from burning out.