Radio Broadcast cannot be Received or Poor Reception

INSPECTION PROCEDURE

1	CHECK RADIO AND NAVIGATION ASSEMBLY

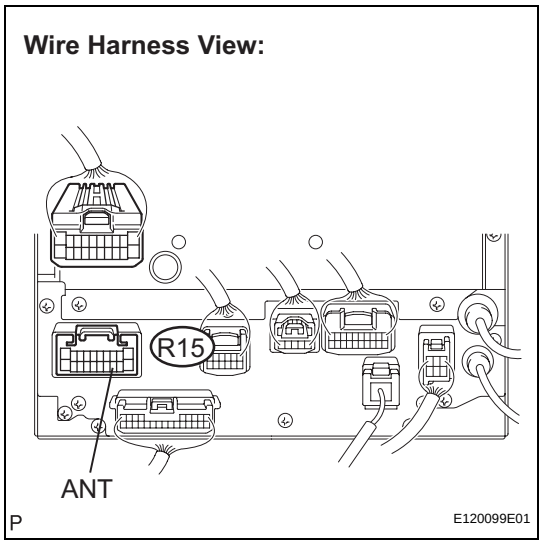
(a) Check the radio's automatic station search function.
(1) Check the radio's automatic station search function by activating it.
OK:
The radio's automatic station search function works properly.

OK → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

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2	INSPECT RADIO AND NAVIGATION ASSEMBLY

Wire Harness View:



(a) Disconnect the radio and navigation assembly connector R15.
(b) Measure the voltage according to the value(s) in the table below.
Standard voltage

Tester Connection	Condition	Specified Condition
ANT - Body ground	Ignition SW ON Radio SW ON	10 to 14 V

NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

3	CHECK OPTIONAL COMPONENTS

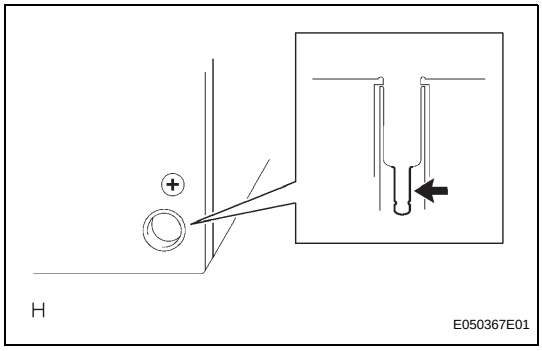
(a) Check optional components (sun-shade film, telephone antenna, etc.).
(1) Check if any optional components, such as sunshade film or telephone antenna that may decrease reception capacity, are installed.
OK:
Optional components are installed.
NOTICE:
Do not remove any optional components installed by the customer without his or her consent.

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OK → **REMOVE AND RECHECK OPTIONAL COMPONENTS (SEE NOTICE ABOVE)**

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4 CHECK RADIO AND NAVIGATION ASSEMBLY



(a) Preparation for check
  (1) Remove the antenna plug from the radio and navigation assembly.

(b) Check for noise
  (1) Turn the ignition switch to the ACC position with the radio and navigation assembly connector connected.
  (2) Turn the radio on and put into AM mode.
  (3) Place a screwdriver, thin wire, or other metal object on the radio receiver's antenna jack and check that noise can be heard from the speaker.

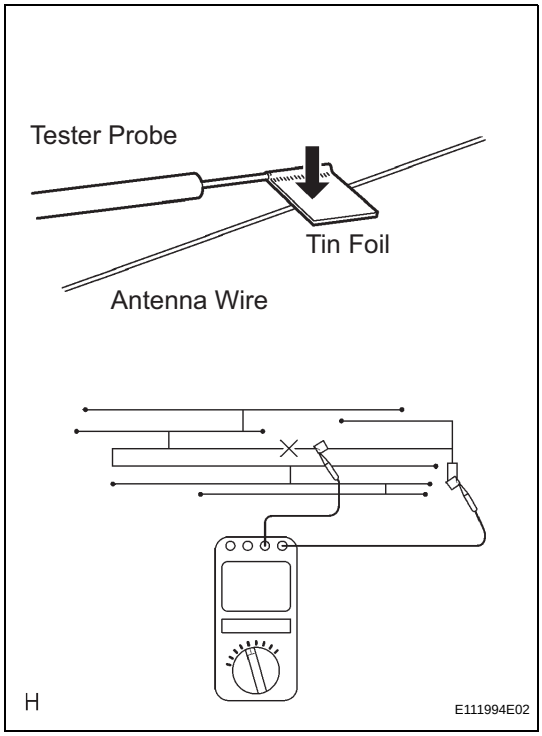
OK:

Noise occurs.

NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

5 CHECK GLASS ANTENNA



(a) Check for continuity of the antenna.

HINT:

Check for continuity at the center of each antenna wire as shown in the illustration.

NOTICE:

When cleaning the glass, wipe it in the direction of the wire with a soft dry cloth. Take care not to damage the wire. Do not use detergents or glass cleaners with abrasive ingredients. When measuring voltage, wrap a piece of tin foil around the tip of the negative probe and press the foil against the wire with your finger, as shown in the illustration.

OK:

There is continuity in the antenna.

NG → **REPAIR GLASS ANTENNA**

OK

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6	REPLACE ANTENNA AMPLIFIER

(a) Replace the antenna amplifier and check that it operates normally.
OK:
The antenna amplifier operates normally.

OK → **END**

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REPLACE RADIO AND NAVIGATION ASSEMBLY