

## RADIO BROADCAST CANNOT BE RECEIVED (BAD RECEPTION)

### INSPECTION PROCEDURE

#### 1 | CHECK IF RADIO AUTO-SEARCH FUNCTIONS PROPERLY

- (a) Check if the radio auto-search functions properly.
- (1) Perform the auto-search of the radio and check that it functions normally.
- Standard: The radio auto-search functions properly.**

OK

CHECK AND REPLACE RADIO RECEIVER ASSY

NG

#### 2 | CHECK OPTIONAL COMPONENT

- (a) Check optional component (Sun shade film, telephone antenna etc.).
- (1) Check whether or not any optional component is installed, such as the sunshade film and the telephone antenna, is installed.
- Standard: Optional component is installed.**

OK

EFFECT FROM OPTIONAL COMPONENT

NG

#### 3 | CHECK ANTENNA FOR NOISE PRODUCTION

- (a) Noise Check with Antenna
- (1) With the ignition switch in ACC, turn on the radio and choose the AM mode.
- (2) Place a tip of a screwdriver or the antenna of the antenna assembly w/ holder and check that the noise heard from the speaker.
- Standard: Noise occurs.**

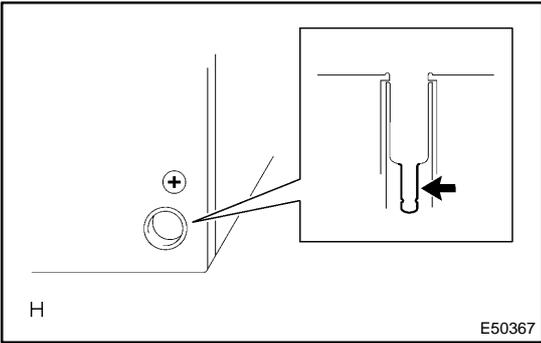
OK

CHECK AND REPLACE RADIO RECEIVER ASSY

NG

**4 INSPECT RADIO RECEIVER ASSY**

- (a) Preparation for Check
  - (1) Remove the antenna plug of the radio receiver assembly.
- (b) Noise Check
  - (1) With the radio receiver assembly connector connected, turn the ignition switch to ACC.
  - (2) Turn on the radio and choose the AM mode.
  - (3) Place a flat-head screwdriver or a metal such as a thin wire on the antenna jack of the radio receiver assembly and check that the noise heard from the speaker.

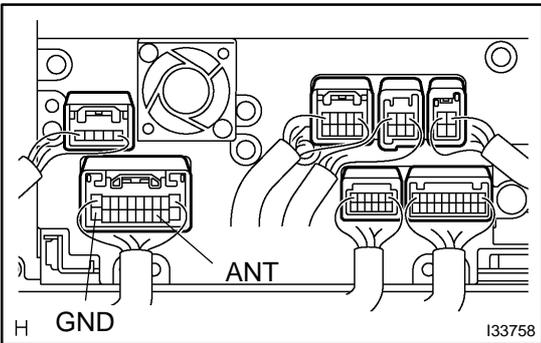


**Standard: Noise occurs.**

**NG CHECK AND REPLACE RADIO RECEIVER ASSY**

**OK**

**5 INSPECT RADIO RECEIVER ASSY(ANT, GND)**



- (a) Remove the radio receiver assy with connectors with still connected.
- (b) Check voltage.
  - (1) Measure voltage between terminals ANT and GND of radio receiver assy at each conditions, as shown in the chart.

**Standard:**

Terminal	Condition	Voltage (v)
ANT ↔ GND	Constant	10 - 14 V

**NG CHECK AND REPLACE RADIO RECEIVER ASSY**

**OK**

**REPLACE AMPLIFIER ANTENNA ASSY**