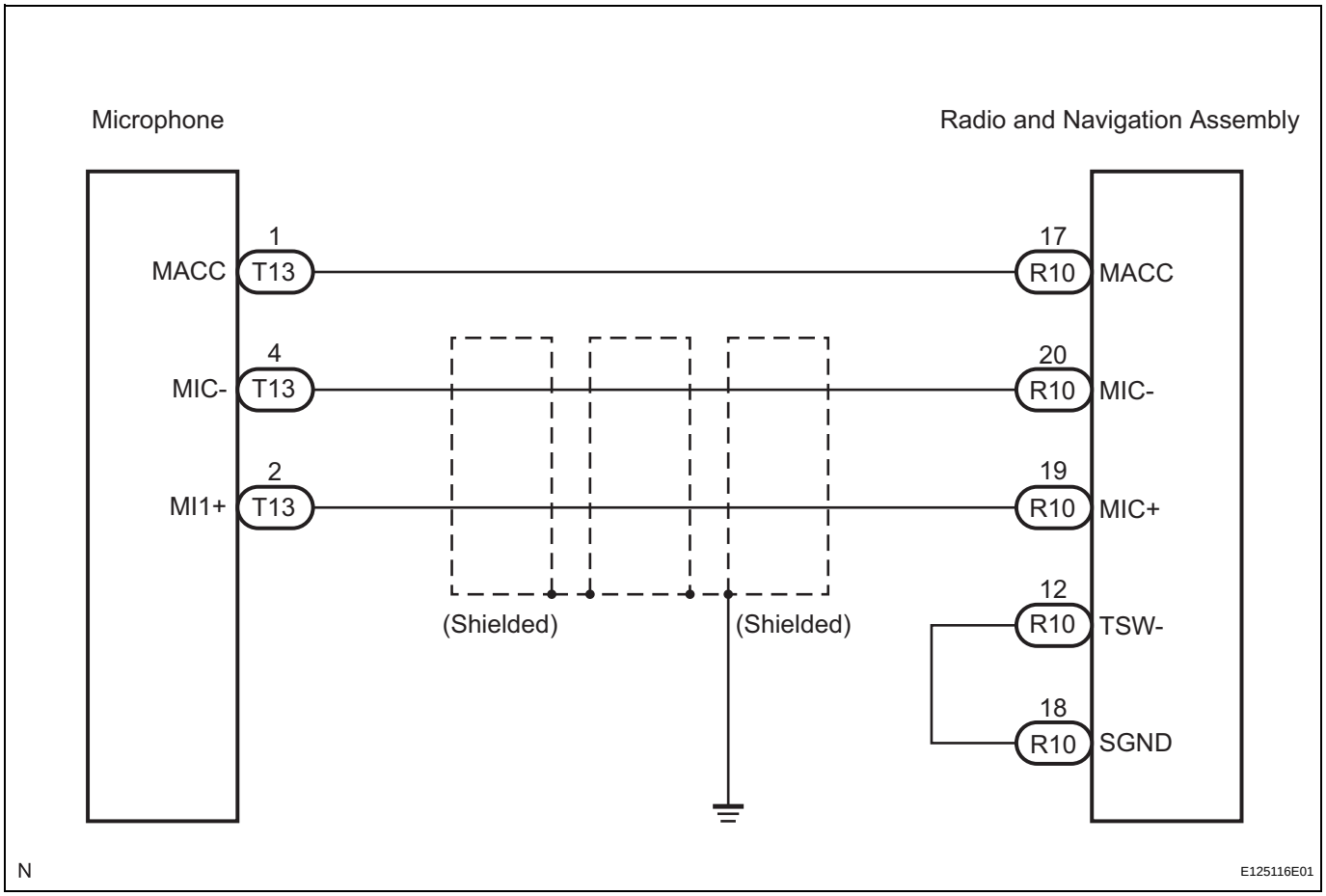
Microphone Circuit between Microphone and Radio and Navigation Assembly

DESCRIPTION

This circuit sends a microphone signal from the microphone to the radio and navigation assembly. It also supplies power from the radio and navigation assembly to the microphone.

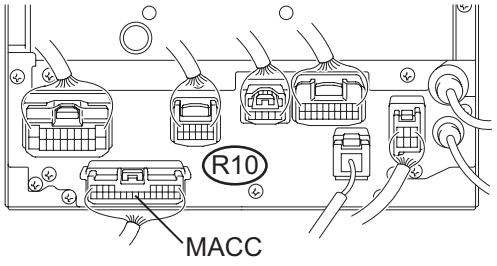
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT RADIO AND NAVIGATION ASSEMBLY

Wire Harness View:



(a) Measure the voltage according to the value(s) in the table below.

Standard voltage

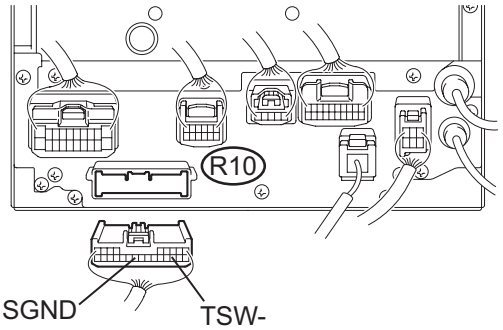
Tester connection	Condition	Specified condition
MACC - Body ground	Ignition SW ACC	4 to 6 V

NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

2 CHECK HARNESS AND CONNECTOR

Wire Harness View:



(a) Disconnect the radio and navigation assembly connector R10.

(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
SGND - TSW-	Always	Below 1 Ω

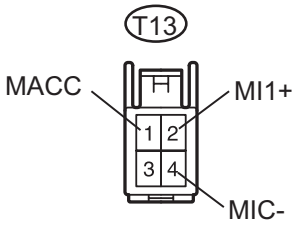
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

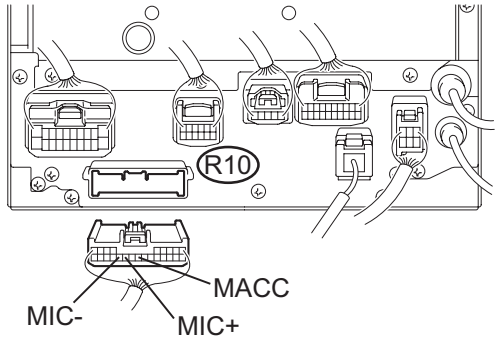
NS

3	**CHECK HARNESS AND CONNECTOR (MICROPHONE - RADIO AND NAVIGATION ASSEMBLY)**

Microphone Connector Front View:



Radio and Navigation Assembly Wire Harness View:



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(a) Disconnect the microphone connector T13 and radio and navigation assembly connector R10.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
MACC - MACC	Always	Below 1 Ω
MI1+ - MIC+	Always	Below 1 Ω
MIC- - MIC-	Always	Below 1 Ω
MACC - Body ground	Always	10 kΩ or higher
MIC+ - Body ground	Always	10 kΩ or higher
MIC- - Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

NS