DTC	58-45	High Temperature

DTC	80-45	High Temperature

DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
58-45	High map disc player temperature is detected (Over 80°C).	Radio and navigation assembly
80-45	High map disc player temperature is detected (Over 80°C).	

INSPECTION PROCEDURE

HINT:
After the inspection is completed, clear the DTCs.

1	CHECK RADIO AND NAVIGATION ASSEMBLY

(a) Park the vehicle in a cool place.
(b) Check that the temperature of the radio and navigation assembly has becomes sufficiently low, then start the engine to verify the malfunction symptom.
OK:
Same problem does not occur.

NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

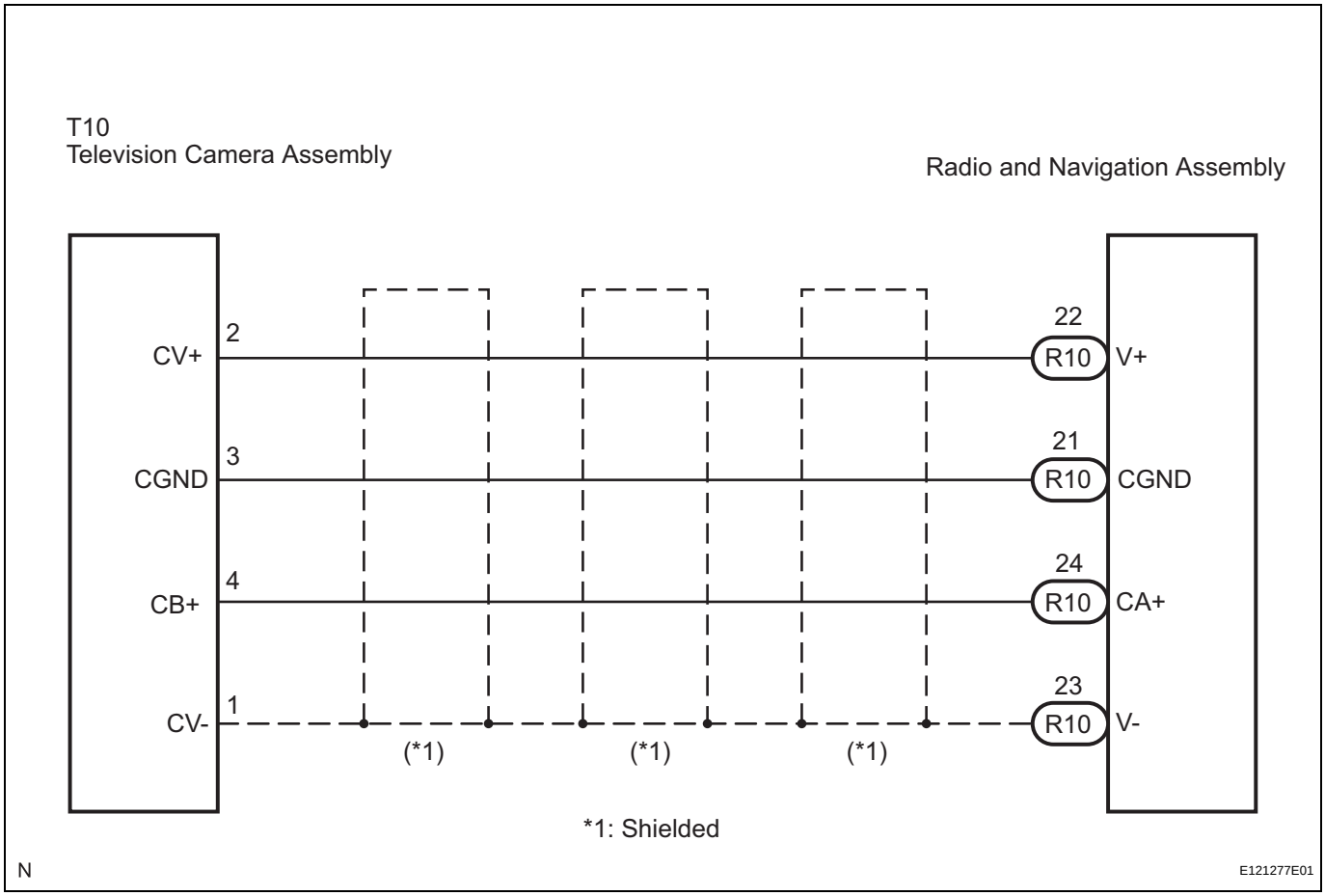
END

DTC	5C-40	Camera Picture Error

DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
5C-40	Synchronous signal from the camera cannot be transmitted.	• Wire harness • Television camera assembly • Radio and navigation assembly

WIRING DIAGRAM



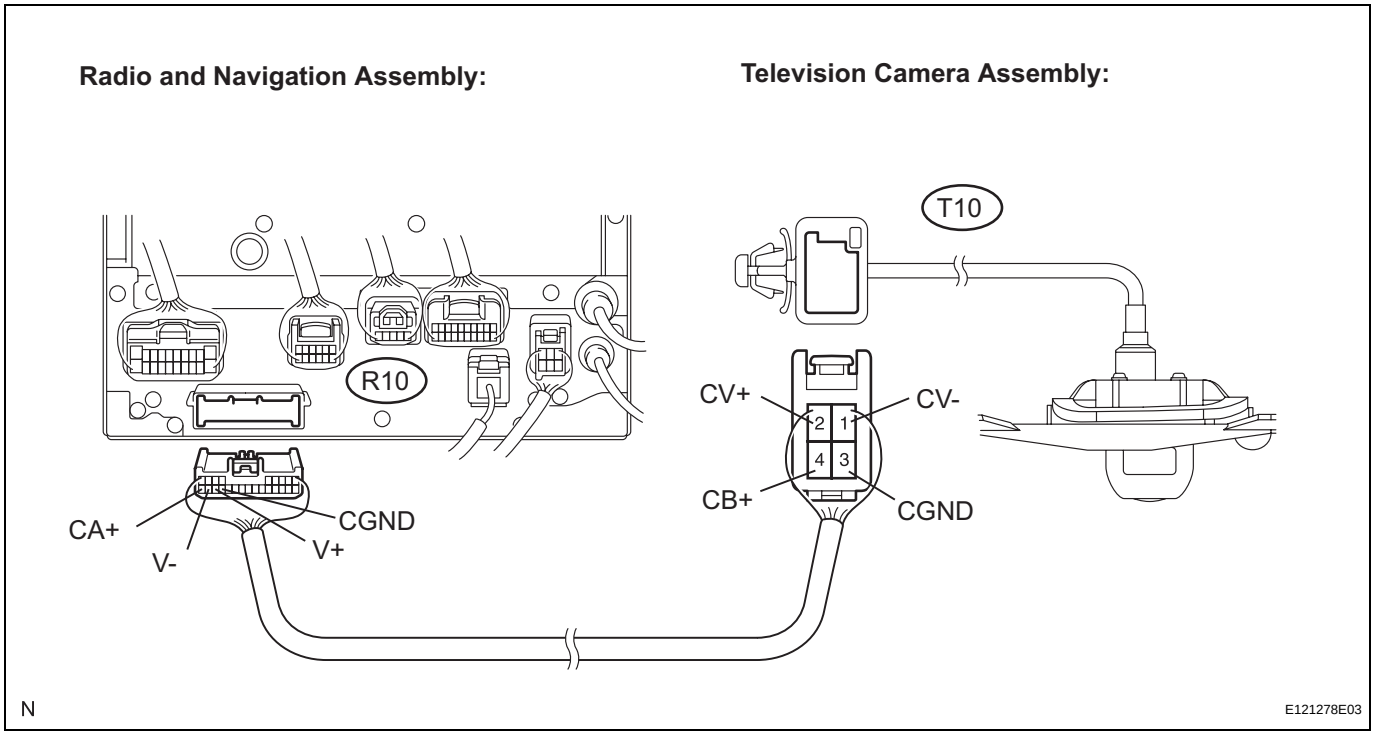
INSPECTION PROCEDURE

HINT:
After the inspection is completed, clear the DTCs.

1	CHECK HARNESS AND CONNECTOR (RADIO AND NAVIGATION ASSEMBLY - TELEVISION CAMERA ASSEMBLY)

(a) Disconnect the R10 connector from the radio and navigation assembly.
(b) Disconnect the T10 connector from the television camera assembly.

NS



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

Standard resistance

Tester Connection (Terminal No.)	Condition	Specified Condition
CB+ (T10-4) - CA+ (R10-24)	Always	Below 1 Ω
CGND (T10-3) - CGND (R10-21)	Always	Below 1 Ω
CV+ (T10-2) - V+ (R10-22)	Always	Below 1 Ω
CV- (T10-1) - V- (R10-23)	Always	Below 1 Ω
CV- (T10-1) - Body ground	Always	10 kΩ or higher
CV+ (T10-2) - Body ground	Always	10 kΩ or higher
CGND (T10-3) - Body ground	Always	10 kΩ or higher
CB+ (T10-4) - Body ground	Always	10 kΩ or higher

NS

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

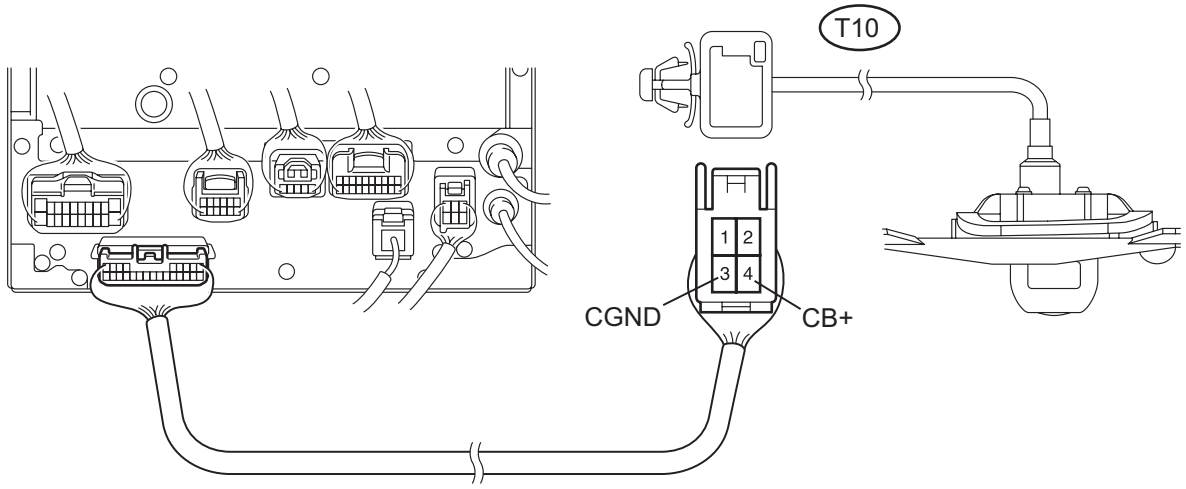
OK

2	INSPECT RADIO AND NAVIGATION ASSEMBLY

(a) Reconnect the radio and navigation assembly connector.

Radio and Navigation Assembly:

Television Camera Assembly Connector Front View:



N

E121279E03

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

Standard voltage

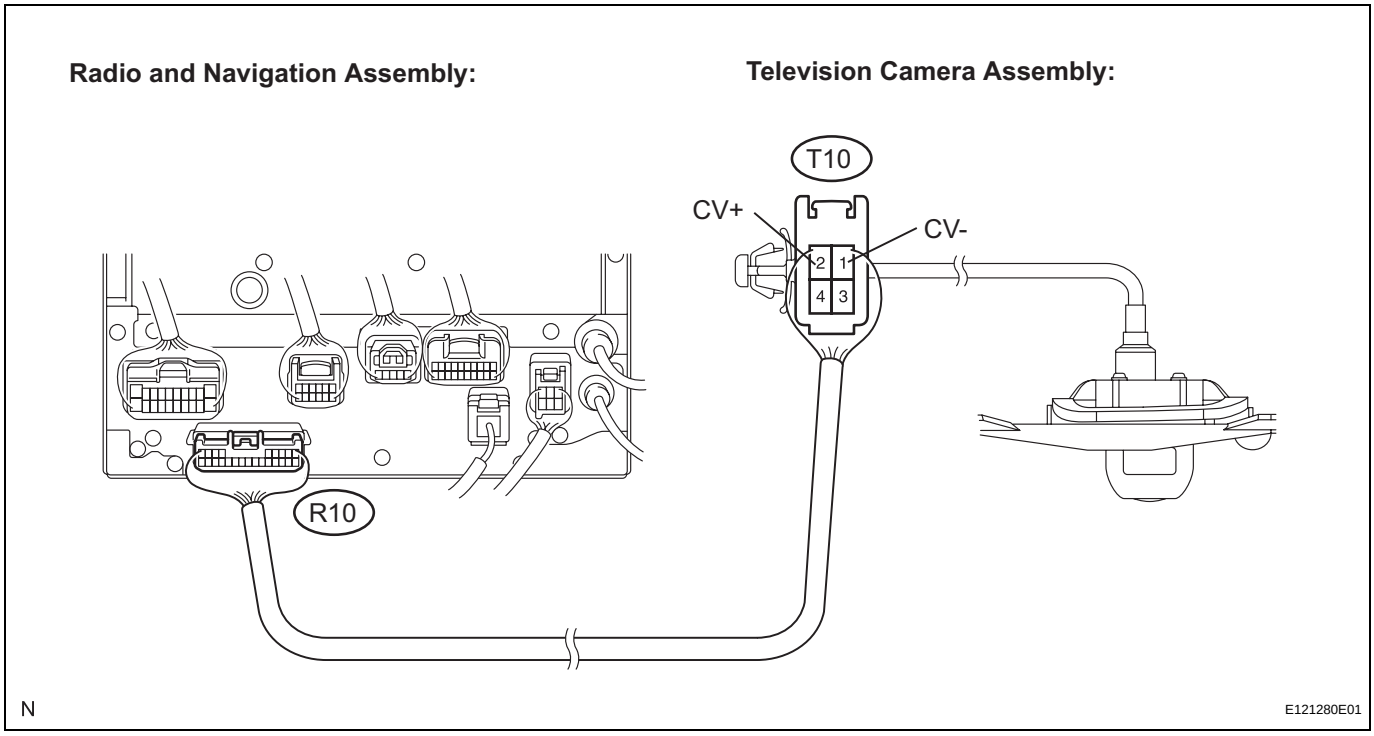
Tester Connection (Terminal No.)	Condition	Specified Condition
CB+ (T10-4) - CGND (T10-3)	IG SW ON, shift lever R position	Approx. 6 V

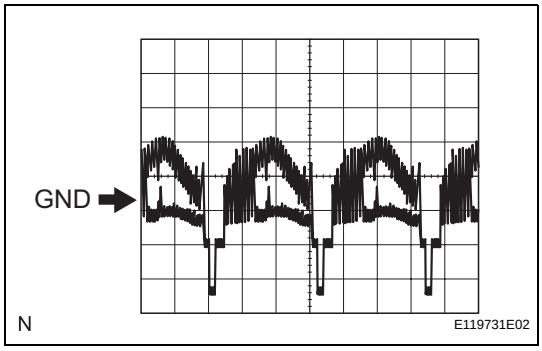
NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

3	INSPECT TELEVISION CAMERA ASSEMBLY

(a) Reconnect the radio and navigation assembly R10 connector and the television camera assembly T10 connector.





(b) Check the waveform of the television camera assembly using an oscilloscope.
(1) Measurement terminal: CV+ - CV-
Measurement setting: 0.2 V/DIV, 0.2 μs/DIV
Condition: Ignition switch ON, Shift lever in R range
OK:
Pulses as shown in the illustration.

NG → **REPLACE TELEVISION CAMERA ASSEMBLY**

OK

REPLACE RADIO AND NAVIGATION ASSEMBLY

NS