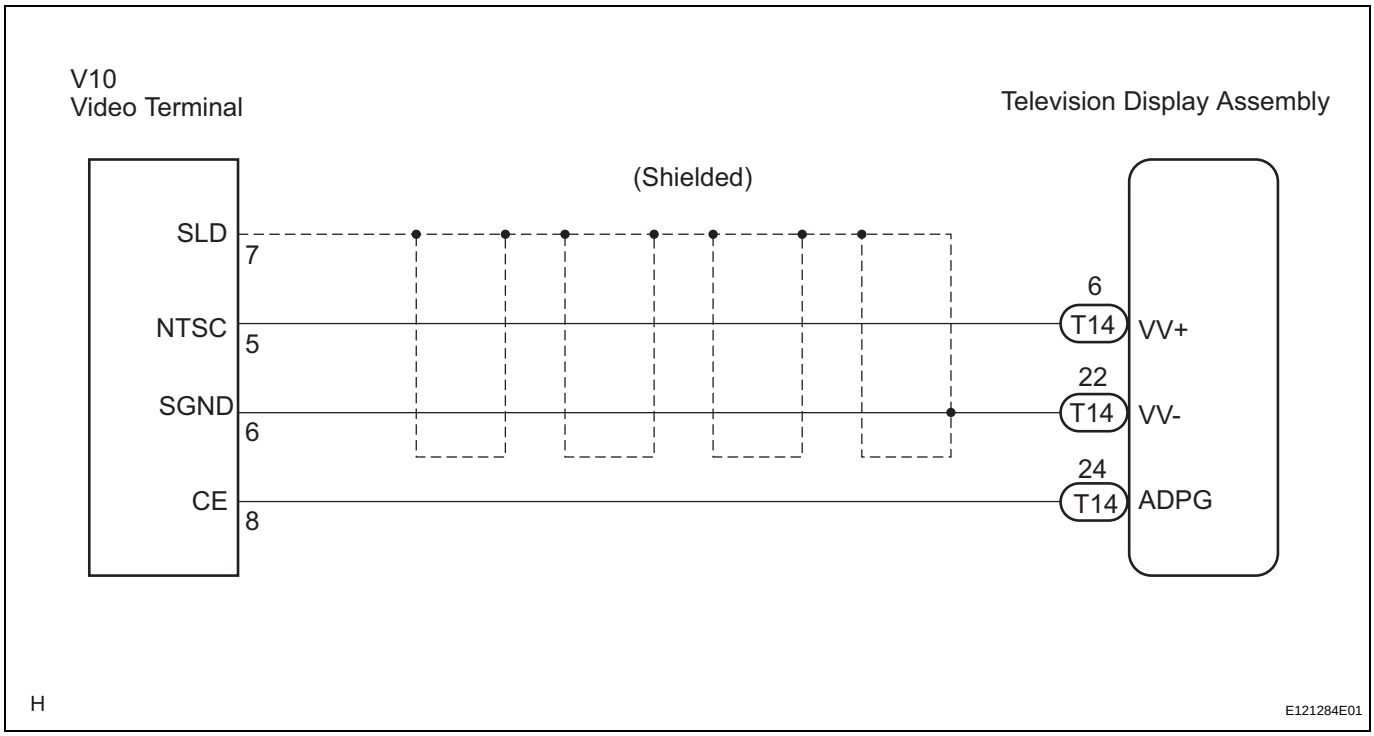
Display Signal Circuit between Video Terminal and Television Display

DESCRIPTION

This is the display signal circuit from the video terminal to the television display assembly.

WIRING DIAGRAM



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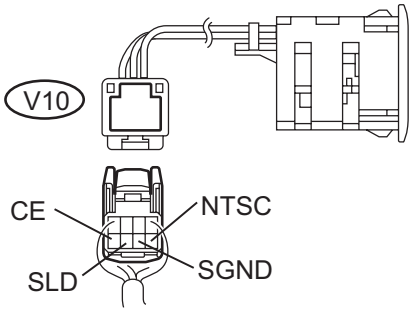
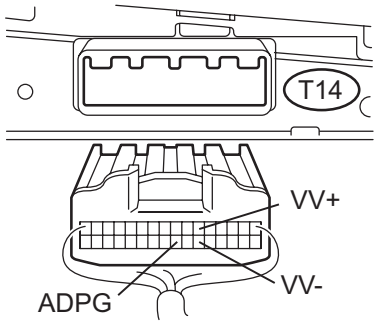
INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR (TELEVISION DISPLAY ASSEMBLY - VIDEO TERMINAL)

Video Terminal Wire Harness View:



Television Display Assembly Wire Harness View:



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(a) Disconnect the connectors from the video terminal and television display assembly.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

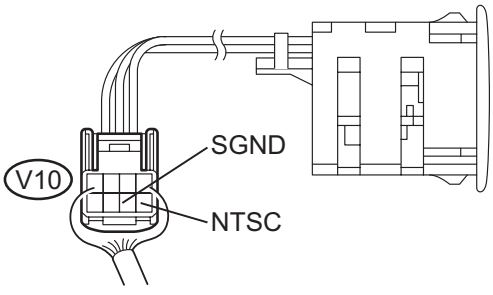
Tester connection	Condition	Specified condition
CE - ADPG	Always	Below 1 Ω
NTSC - VV+	Always	Below 1 Ω
SGND - VV-	Always	Below 1 Ω
NTSC - Body ground	Always	10 kΩ or higher
SGND - Body ground	Always	10 kΩ or higher

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

OK

2	INSPECT VIDEO TERMINAL

Video Terminal Wire Harness View:



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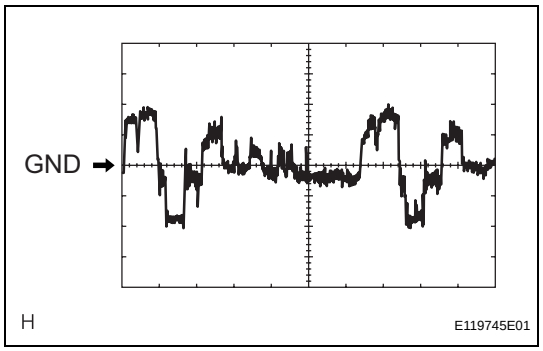
(a) Reconnect the video (video adapter) terminal connector.
(b) Measure the waveform according to the table below.

OK

Tester connection	Condition	Specified condition
NTSC - SGND	External device is playing	A waveform synchronized with display signals is output

HINT:
The waveform pattern may differ from that shown in the illustration below due to differences in oscilloscope setting. A normal video terminal operating condition can be determined if any waveform is output.

AV



(c) Oscilloscope waveform
(1) Terminal: NTSC - Body ground
Setting: 200mV/DIV, 10 μs/DIV
Condition: DVD display is ON.

NG → **REPLACE VIDEO TERMINAL**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE