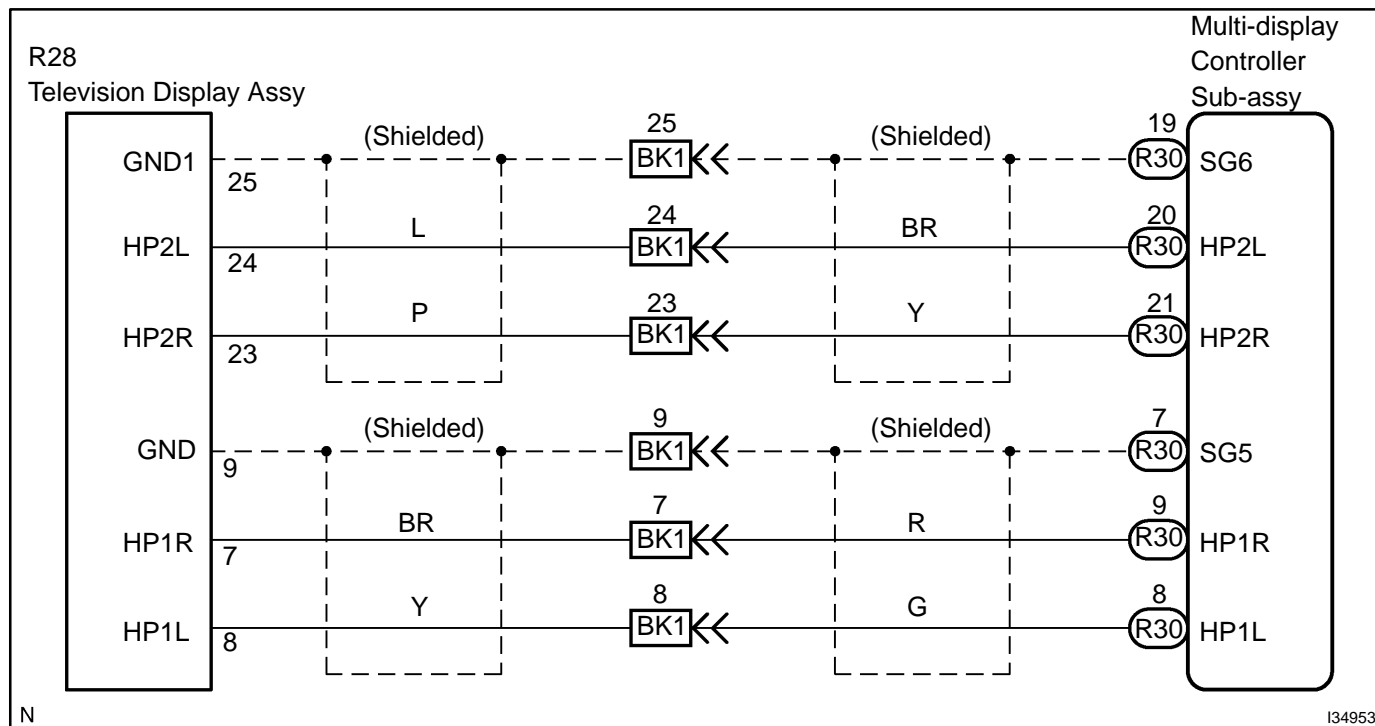


SOUND SIGNAL CIRCUIT (TO TELEVISION DISPLAY ASSY (HEADPHONE))

CIRCUIT DESCRIPTION

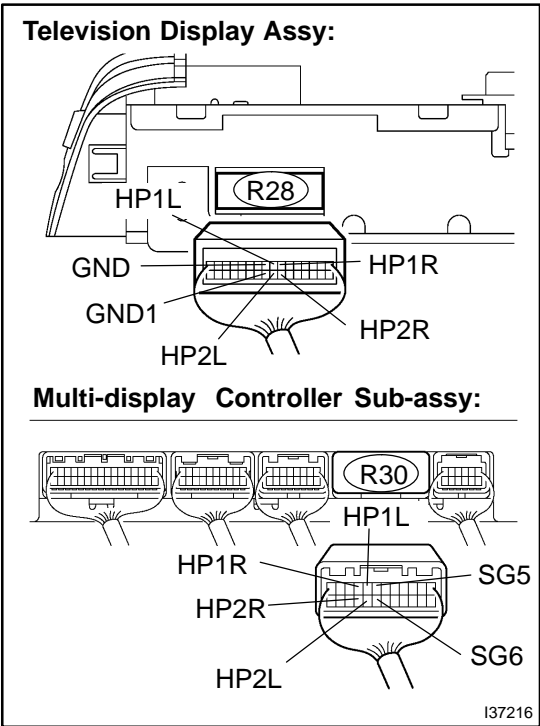
This is the sound signal circuit from the multi-display controller sub-assy to the television display assy.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(TELEVISION DISPLAY ASSY - MULTI-DISPLAY Y CONTROLLER SUB-ASSY)



- (a) Disconnect the connector from television display assy and multi-display controller sub-assy.
- (b) Measure the resistance according to the values in the table below.

Standard:

Tester connection	Condition	Specified condition
GND1 - SG6	Always	Below 1 Ω
HP2L - HP2L	Always	Below 1 Ω
HP2R - HP2R	Always	Below 1 Ω
GND - SG5	Always	Below 1 Ω
HP1R - HP1R	Always	Below 1 Ω
HP1L - HP1L	Always	Below 1 Ω
HP2L - Body ground	Always	10 kΩ or higher
HP2R - Body ground	Always	10 kΩ or higher
HP1R - Body ground	Always	10 kΩ or higher
HP1L - Body ground	Always	10 kΩ or higher

NG

REPAIR OR
CONNECTOR

REPLACE HARNESS OR

OK

Multi-display Controller Sub-assy:

The diagram shows a horizontal row of five multi-display controller modules. Each module has a top connector labeled HP1L, a bottom connector labeled HP1R, a side connector labeled HP2R, and a side connector labeled HP2L. A central circular component is labeled R30. A side connector labeled SG5 is shown on the rightmost module, and a side connector labeled SG6 is shown on the second module from the right. Lines connect the labels to their respective components on the modules.

HP1L

HP1R

HP2R

HP2L

R30

SG5

SG6

I35265

- Connect the connector.
- Using an oscilloscope, check the signal waveform between the terminals according to the conditions, as shown in the chart.

Tester connection	Condition	Specified condition
HP2L - Body ground	While voice sound is being produced	A waveform synchronized with sound is output
HP2R - Body ground	While voice sound is being produced	A waveform synchronized with sound is output
HP1R - Body ground	While voice sound is being produced	A waveform synchronized with sound is output
HP1L - Body ground	While voice sound is being produced	A waveform synchronized with sound is output

REPLACE MULTI-DISPLAY CONTROLLER
SUB-ASSY (See page 67-23)

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(See page 05-1704)