ILLUMINATION CIRCUIT

CIRCUIT DESCRIPTION

w/o Daytime Running Light:

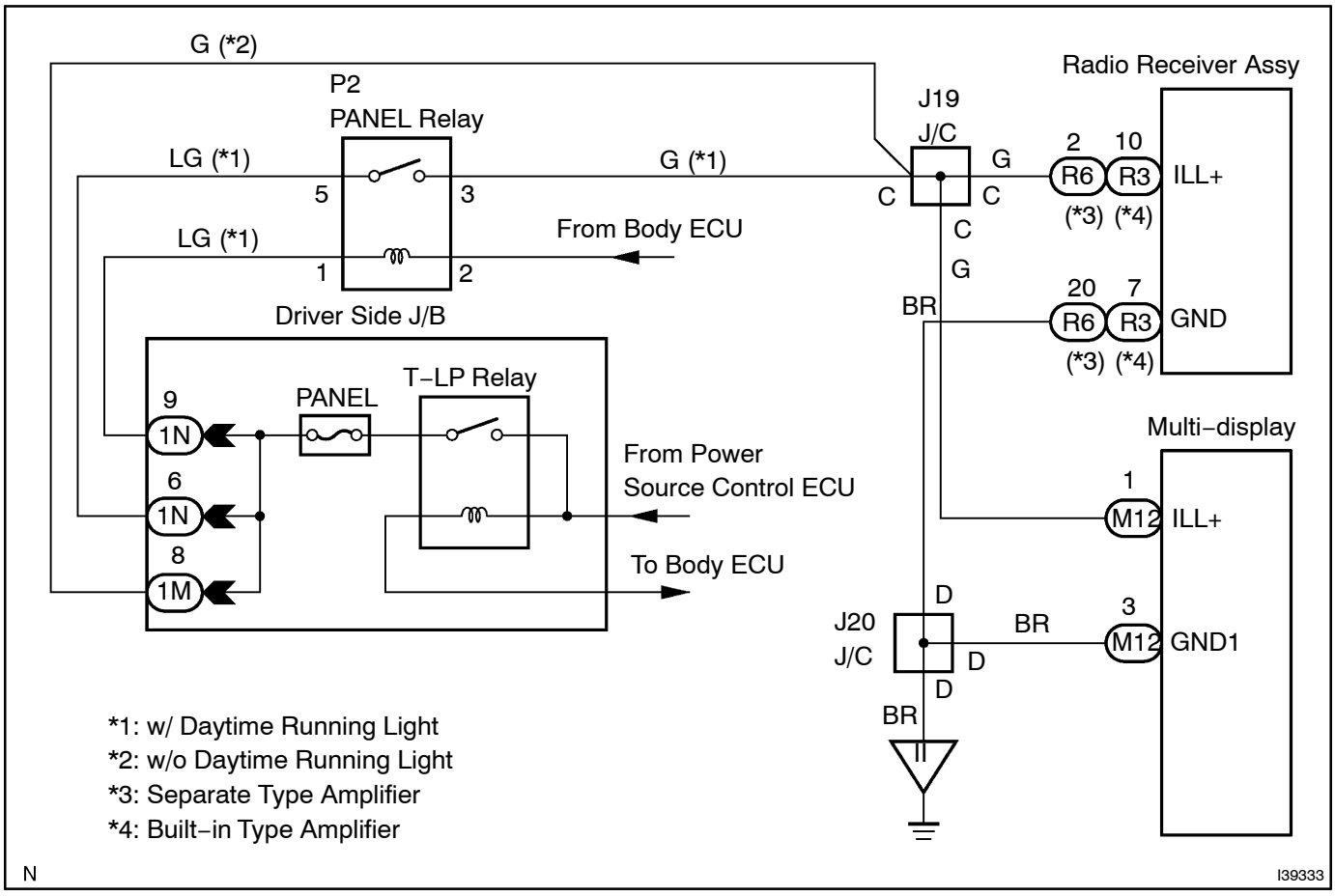
When the light control switch is turned to TAIL or HEAD position, power is supplied to the radio receiver assy and multi–display panel illuminations.

w/ Daytime Running Light:

When the light control switch is turned to TAIL or HEAD position, power is supplied to the radio receiver assy and multi–display panel illuminations.

While the daytime running light is in control, the power supply is cut by the panel relay.

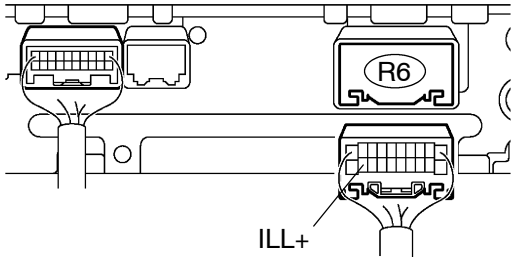
WIRING DIAGRAM



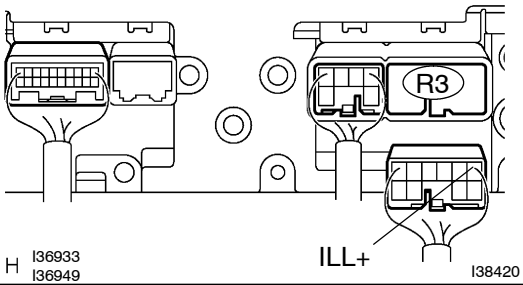
INSPECTION PROCEDURE

1	**CHECK HARNESS AND CONNECTOR (COMPONENTS WITH MALFUNCTION – BATTERY)**

Separate Type Amplifier
Wire Harness View:



Built–in Type Amplifier
Wire Harness View:



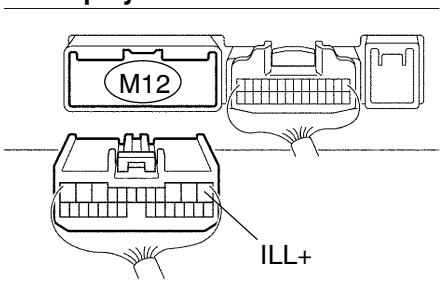
(a) RADIO RECEIVER ASSY
(1) Disconnect the radio receiver assy R6 or R3 connector.
(2) Measure the voltage according to the values in the table below.

Standard:

Tester connection	Condition	Specified condition
ILL+ (R6–2) – Body ground *1	Light control switch TAIL or HEAD	10 to 14 V
ILL+ (R3–10) – Body ground *2	Light control switch TAIL or HEAD	10 to 14 V

*1: Separate Type Amplifier
*2: Built–in Type Amplifier

Multi–display Wire Harness View:



(b) MULTI–DISPLAY
(1) Disconnect the multi–display M12 connector.
(2) Measure the resistance according to the values in the table below.

Standard:

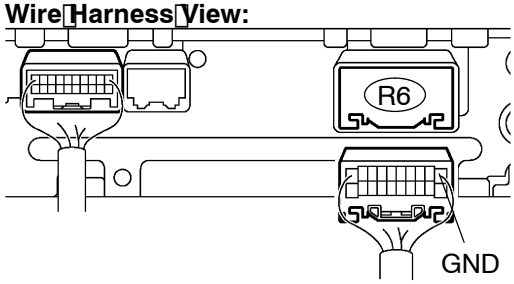
Tester connection	Condition	Specified condition
ILL+ (M12–1) – Body ground	Light control switch TAIL or HEAD	10 to 14 V

NG	**REPAIR OR REPLACE HARNESS OR CONNECTOR**

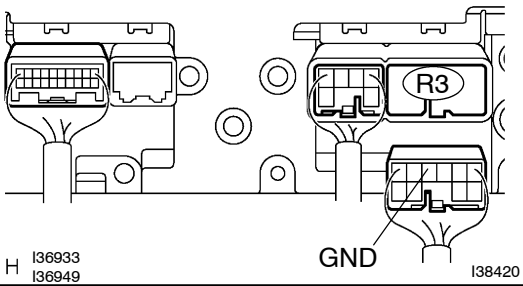
OK

2	CHECK HARNESS AND CONNECTOR (COMPONENTS WITH MALFUNCTION – BODY GROUND)

Separate Type Amplifier
Wire Harness View:



Built–in Type Amplifier
Wire Harness View:



H I36933 I36949 I38420

(a) RADIO RECEIVER ASSY

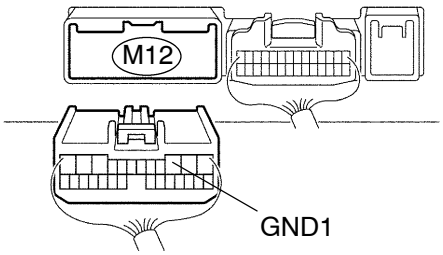
(1) Measure the resistance according to the values in the table below.

Standard:

Tester connection	Condition	Specified condition
GND (R6–20) – Body ground *1	Always	Below 1 Ω
GND (R3–7) – Body ground *2	Always	Below 1 Ω

*1: Separate Type Amplifier
*2: Built–in Type Amplifier

Multi–display Wire Harness View:



P I39881

(b) MULTI–DISPLAY

(1) Measure the resistance according to the values in the table below.

Standard:

Tester connection	Condition	Specified condition
GND1 (M12–3) – Body ground	Always	Below 1 Ω

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1570)