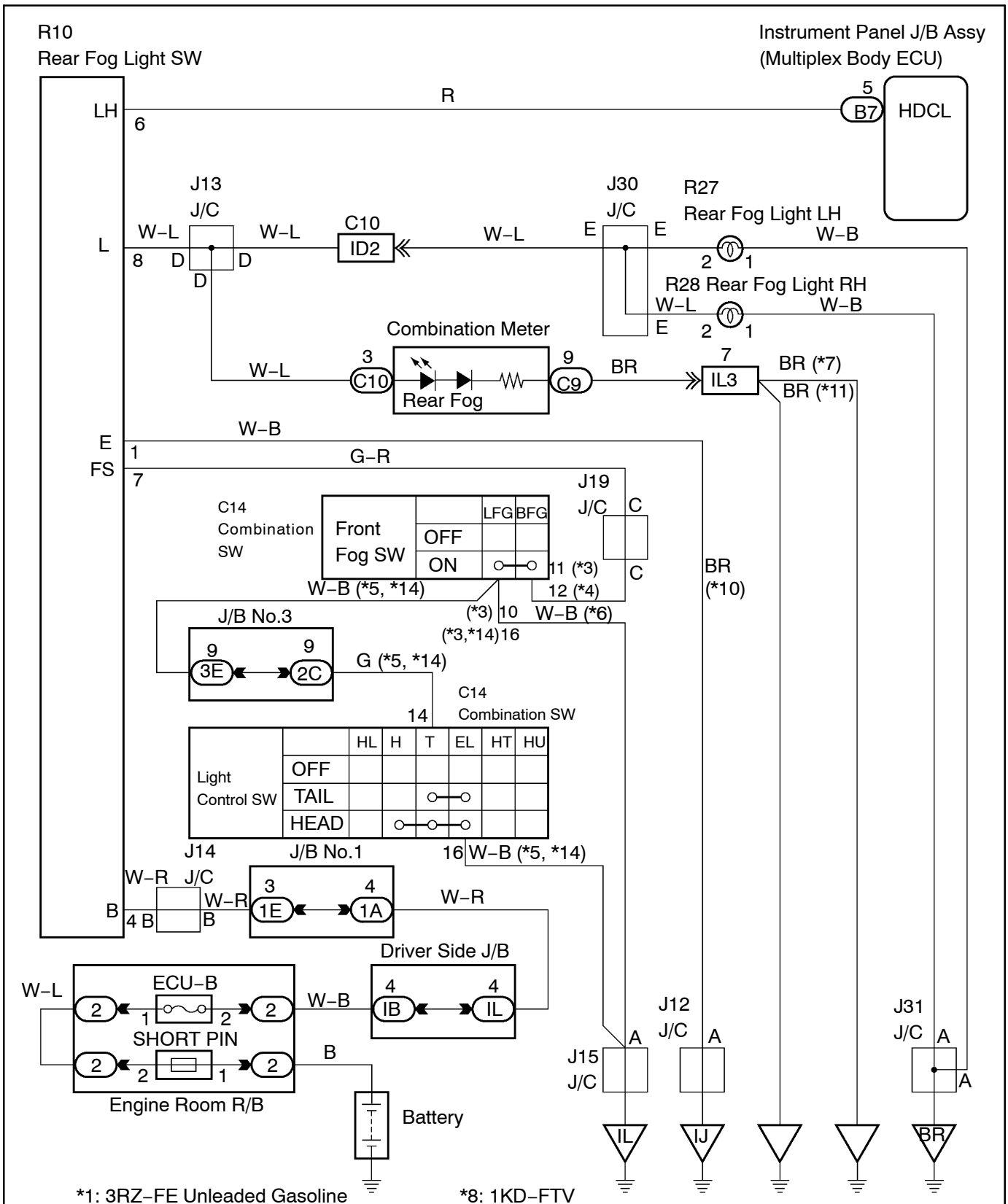
HEADLIGHT SIGNAL CIRCUIT

CIRCUIT DESCRIPTION

The Multiplex body ECU sends headlamp ON signal to rear fog lamp switch.

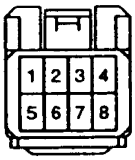
WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT REAR FOG LAMP SWITCH(CIRCUIT)

Wire Harness Side



E66570

(a) Disconnect the connector from the rear fog lamp switch.
(b) Measure voltage between terminal of the fog light switch and body ground as shown in the chart below.

Tester connection (Symbol)	Condition	Specified condition
3 (ILL+) – body ground	Turn headlight dimmer switch OFF → TAIL or HEAD	0 V → 10–14 V
4 (B) – body ground	Always	10–14 V

(c) Check that there is continuity between terminals at each switch position as shown in the chart below.

Tester connection (Symbol)	Condition	Specified condition
1 (E) – body ground	Always	Continuity
7 (FS) – body ground	Turn front fog light switch OFF → ON	No continuity → continuity
8 (L) – body ground	Always	Continuity

(d) Connect the connector of the rear fog light switch.
(e) Measure voltage between terminal of the fog light switch and body ground as shown in the chart below.

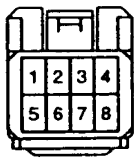
Tester connection (Symbol)	Condition	Specified condition
8 (L) – body ground	Turn headlight dimmer switch HEAD and front fog light switch ON → other	10–14 V → 0 V

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

OK

2	INSPECT REAR FOG LAMP SWITCH(VOLTAGE)

Wire Harness Side



E66570

(a) Connect the connector of the rear fog lamp switch.
(b) Measure voltage between terminal of the fog light switch and body ground as shown in the chart below.

Tester connection (Symbol)	Condition	Specified condition
6 (LH) – body ground	Always	10–14 V

NG → **REPLACE REAR FOG LAMP SWITCH**

OK

3	CHECK HARNESS AND CONNECTOR(SEE PAGE 01–26)

(a) Check for open and short circuit in the harness and the connector between rear fog light switch and the instrument panel J/B assy.

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

OK

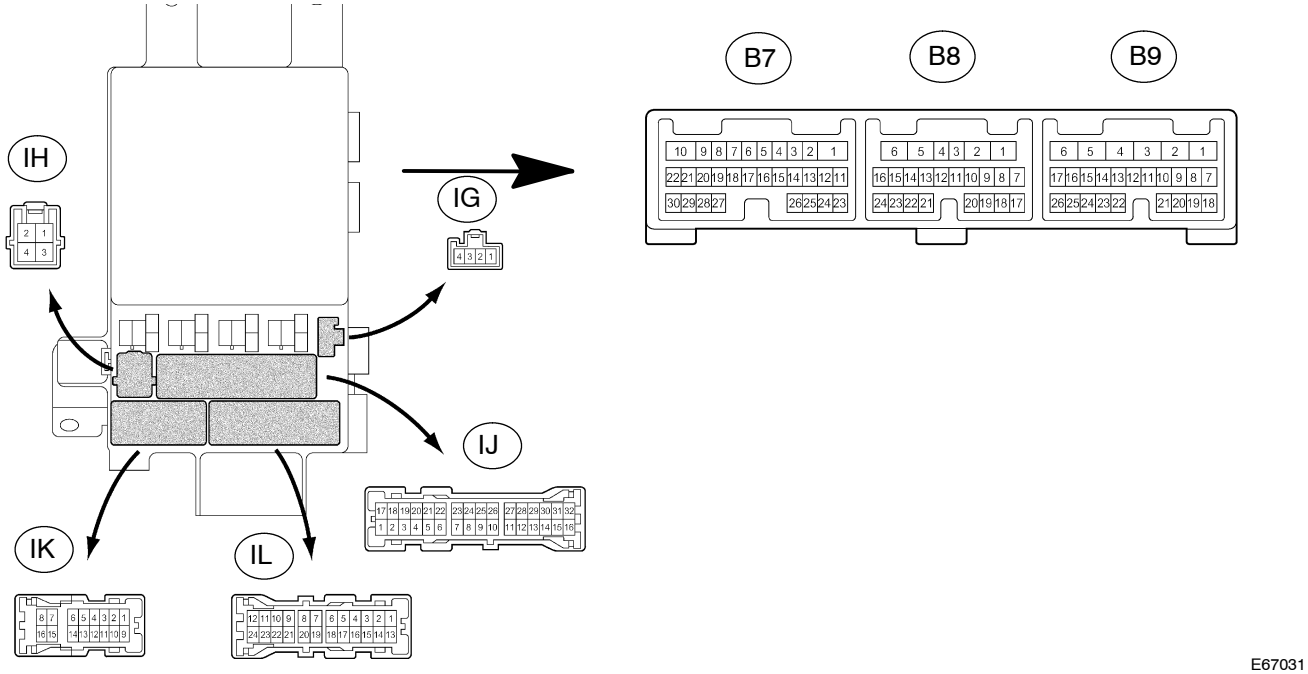
4	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY(HDCL)

(a) Check that there is continuity between terminal HDCL of the instrument panel J/B and body ground.

Standard:

Terminal No.	Condition	Specified condition
B7–5 ⇔ body ground (HDCL ⇔ body ground)	Turn IG switch ON and headlamp dimmer switch OFF or TAIL → HEAD	No continuity → continuity

Instrument Panel J/B



NG → **CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1346)