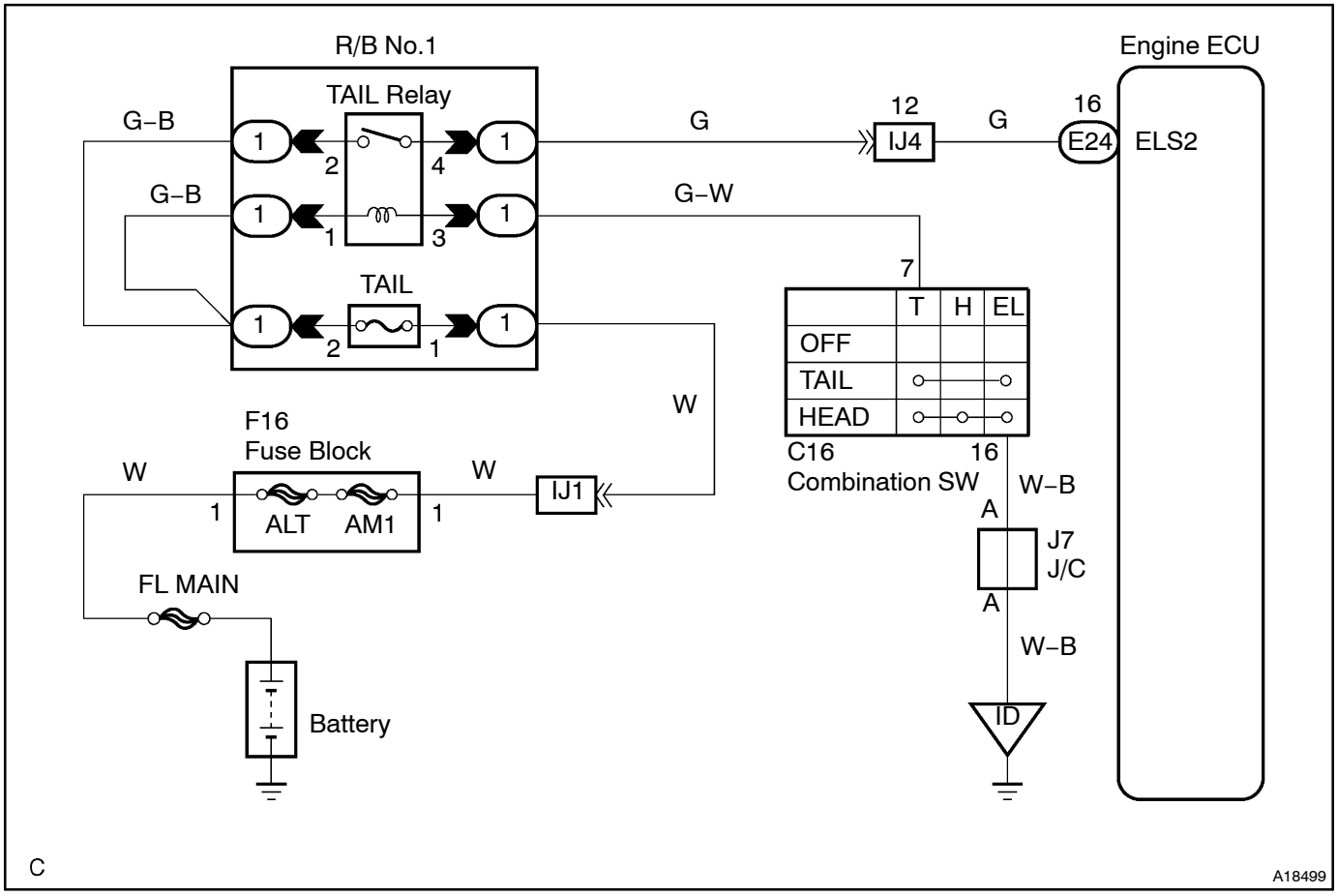
DI9V4–01

Tail Light Switch Signal Malfunction

CIRCUIT DESCRIPTION

This signal is used to detect when the brakes have been applied. The ELS2 signal voltage is the supplied to the tail lights.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check operation of tail light.**

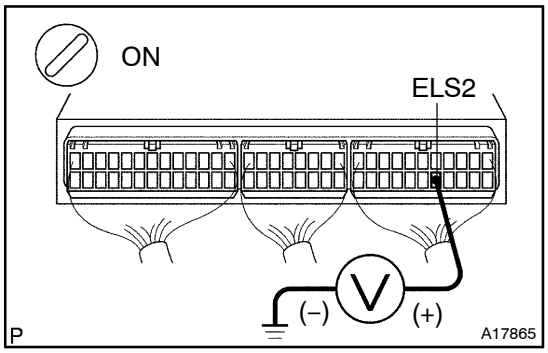
CHECK:

Check if the tail lights go on and off normally when the light control switch is operated.

NG → **Check and repair tail light circuit.**

OK

2	Check ELS2 signal.



PREPARATION:

(a) Remove the side trim bracket (See page FU–48).

(b) Turn the ignition switch ON.

CHECK:

Check the voltage between terminal ELS2 of the engine ECU connector and body ground.

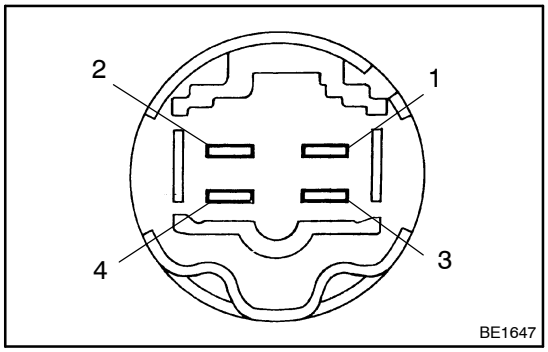
OK:

Light Control SW Position	Voltage
TAIL	7.5 – 14 V
OFF	Below 1.5 V

OK	Check for intermittent problems (See page DI–18).

NG

3	Check TAIL relay.



PREPARATION:

Remove the TAIL relay from the R/B No.1.

CHECK:

Check the terminals 2 and 4 continuity of the TAIL relay.

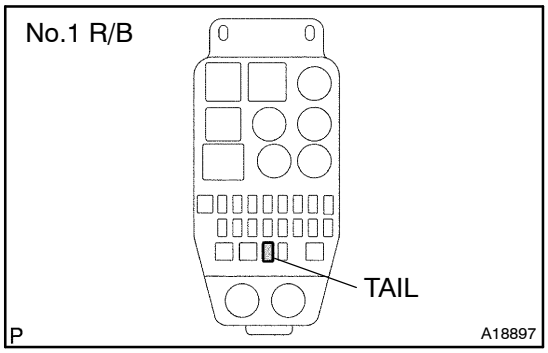
OK:

Condition	Standard
Apply battery voltage across terminals 1 and 3.	Continuity
No apply battery voltage across terminals 1 and 3.	No continuity

NG	Replace TAIL relay.

OK

4	Check TAIL fuse.

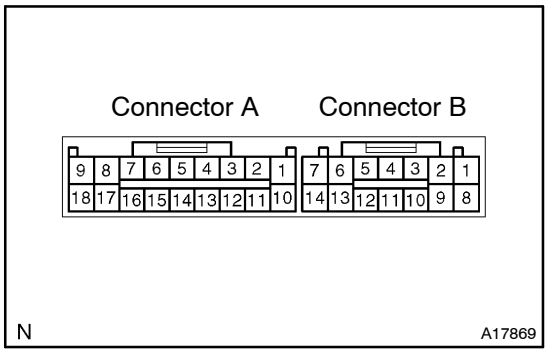


PREPARATION:
Remove the TAIL fuse from the R/B No.1.
CHECK:
Check the continuity of the TAIL fuse.
OK:
Continuity

NG → **Check for short in all harness and components connected to TAIL fuse.**

OK

5	Check combination switch.



PREPARATION:
(a) Remove the lower finish panel.
(b) Disconnect the combination switch connector A.
CHECK:
Check the continuity of the combination switch.
OK:

Switch position	Tester connection	Standard
OFF	–	No continuity
TAIL	Connector A 7 – 16	Continuity
HEAD	Connector A 6 – 7 – 16	Continuity

6	Check harness and connector between engine ECU and tail relay (See page IN–20).

NG → **Repair or replace harness or connector.**

OK

Check and replace engine ECU (See page IN–20).