

INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER (STOP LIGHT SWITCH)

- (a) Check the DATA LIST for proper functioning of the stop light switch.

Skid control ECU

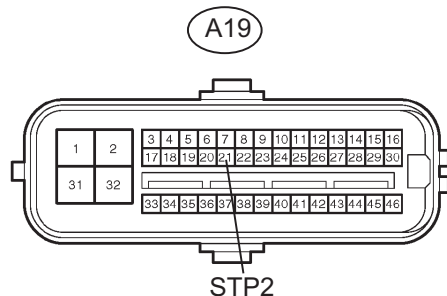
Item (Display)	Measurement Item / Range (Display)	Normal Conditions	Diagnostic Note
STOP LAMP SW	Stop light switch / ON or OFF	ON: Brake pedal depressed OFF: Brake pedal released	-

OK:

ON (brake pedal is depressed) appears on the screen.

NG**Go to step 3****OK****2 CHECK WIRE HARNESS (STP VOLTAGE)****BC**

Wire Harness Side



C121700E42

- (a) Disconnect the A19 ECU connector.
(b) Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Switch Condition	Specified Condition
A19-21 (STP2) - Body ground	Brake pedal depressed	8 to 14 V
A19-21 (STP2) - Body ground	Brake pedal released	Below 4.0 V

NG**Go to step 6****OK****REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY****3 INSPECT FUSE (STOP, ECU-IG1)**

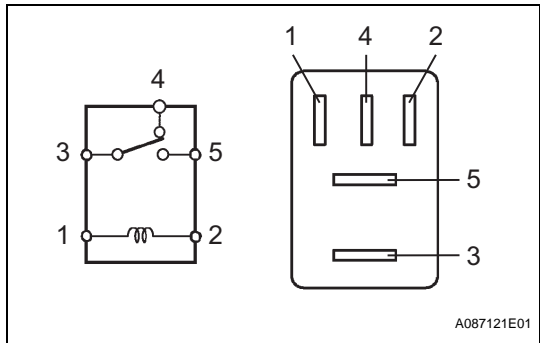
- (a) Remove the STOP fuse and ECU-IG1 fuse from the instrument panel junction block.
(b) Measure the resistance of the fuse.

Standard resistance:**Below 1 Ω** **NG****REPLACE FUSE**

OK

4

INSPECT STOP LIGHT CONTROL RELAY (Marking: BRK)



- (a) Remove the stop light control relay from the engine room No. 1 relay block.
- (b) Measure the resistance of the relay.

Tester Connection	Specified Condition
3 - 4	Below 1 Ω
3 - 5	10 k Ω or higher
3 - 4	10 k Ω or higher (when battery voltage is applied to terminals 1 and 2)
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG

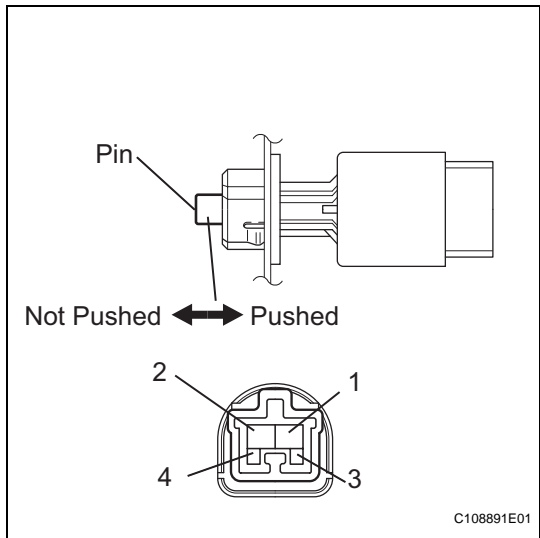
REPLACE STOP LIGHT CONTROL RELAY

OK

BC

5

INSPECT STOP LIGHT SWITCH ASSEMBLY



- (a) Disconnect the stop light switch connector.
- (b) Measure the resistance of the switch.
- Standard resistance

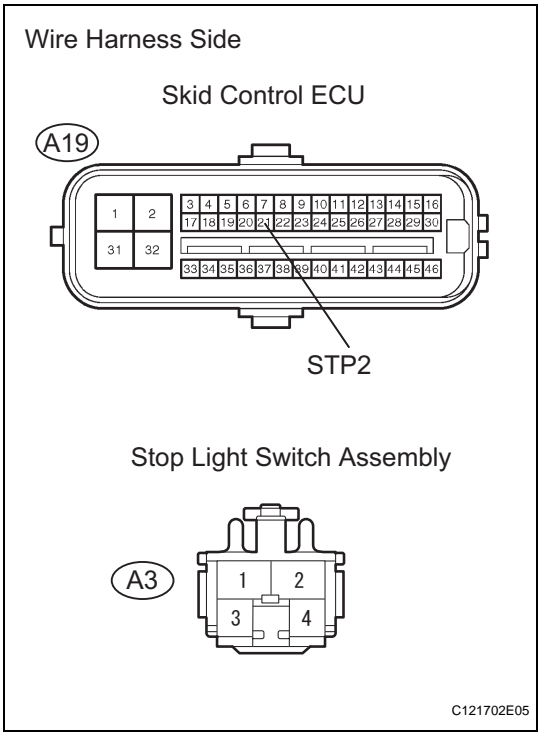
Tester Connection	Switch Condition	Specified Condition
1 - 2	Pin not pushed	Below 1 Ω
1 - 2	Pin pushed	10 k Ω or higher
3 - 4	Pin not pushed	10 k Ω or higher
3 - 4	Pin pushed	Below 1 Ω

NG

REPLACE STOP LIGHT SWITCH ASSEMBLY

OK

6 CHECK WIRE HARNESS (SKID CONTROL ECU - STOP LIGHT SWITCH)



- Disconnect the A19 ECU connector.
- Disconnect the A3 switch connector.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
A19-21 (STP2) - A3-1	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

7 RECONFIRM DTC

- Clear the DTC (see page [BC-47](#)).
- Check if the same DTC is output (see page [BC-47](#)).

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B

END

A

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY