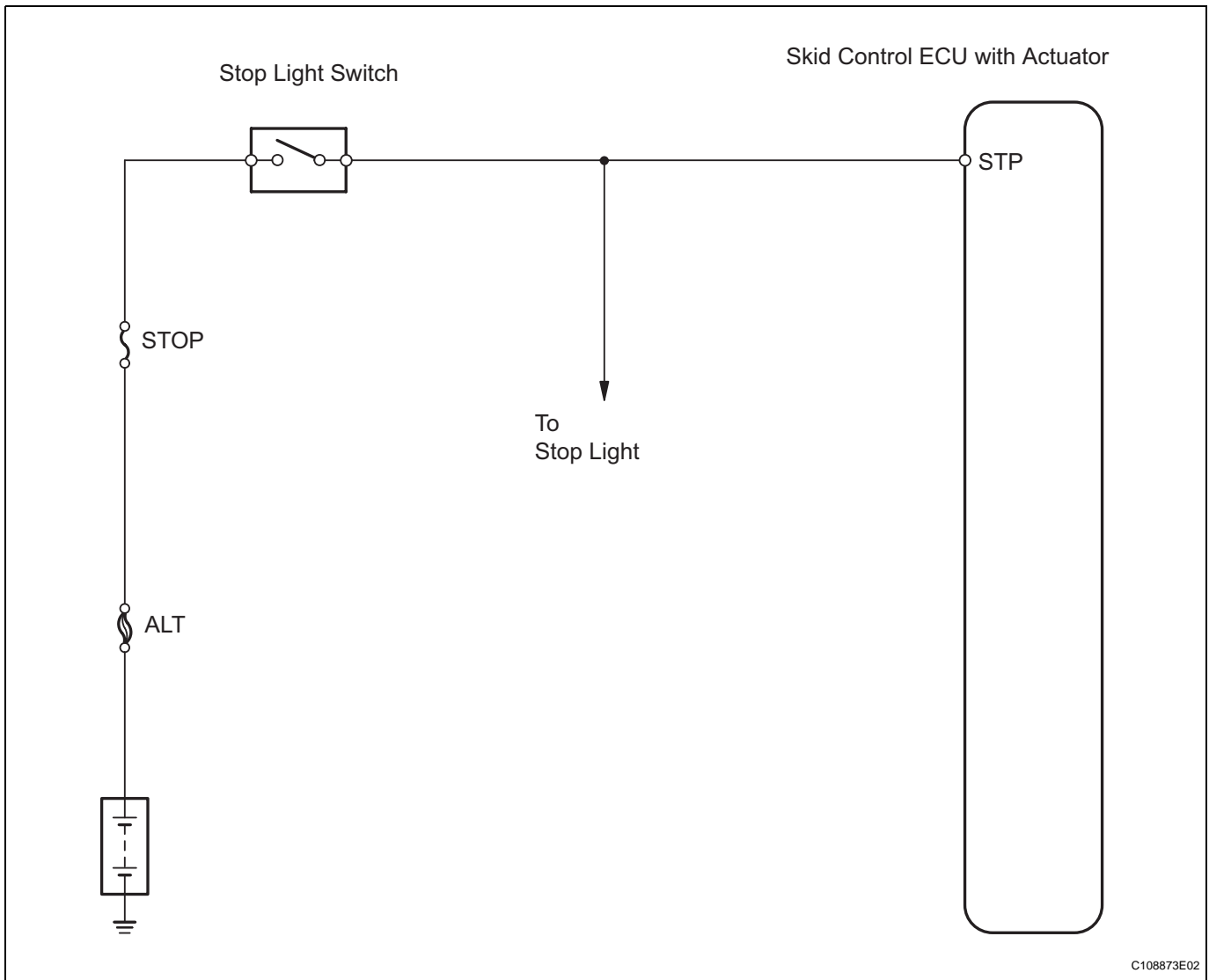


DTC**C1249/49****Open in Stop Light Switch Circuit****DESCRIPTION**

This circuit recognizes brake operation by sending a stop light signal to the skid control ECU.

DTC No.1	DTC Detection Condition	Trouble Area
C1249/49	Both conditions continue for at least 0.3 seconds: <ul style="list-style-type: none"> IG1 terminal voltage is between 9.5 and 17.2 V Open in stop light switch circuit 	<ul style="list-style-type: none"> Stop light switch assembly Stop light switch circuit

WIRING DIAGRAM**BC****1****CHECK STOP LIGHT SWITCH ASSEMBLY**

- (a) Check that the stop light illuminates when the brake pedal is depressed, and turns off when the brake pedal is released.

OK

Condition	Stop Light Condition
Brake pedal depressed	Illuminates
Brake pedal released	Turns off

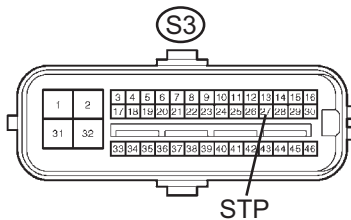
NG

Go to step 4

OK

2 CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY)

Wire Harness Side



E114414E22

- Disconnect the S3 ECU connector.
- Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Switch Condition	Specified Condition
S3-27 (STP) - Body ground	Brake pedal depressed	10 to 14 V
	Brake pedal released	Below 1 V

NG

Go to step 5

OK

3 CHECK IF DTC OUTPUT RECURS

- Clear the DTCs (see page [BC-16](#)).
- Drive the vehicle at approximately 30 km/h (19 mph) or more for 60 seconds or more.
- Check for DTCs (see page [BC-16](#)).

Result

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

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page [BC-11](#)).

B

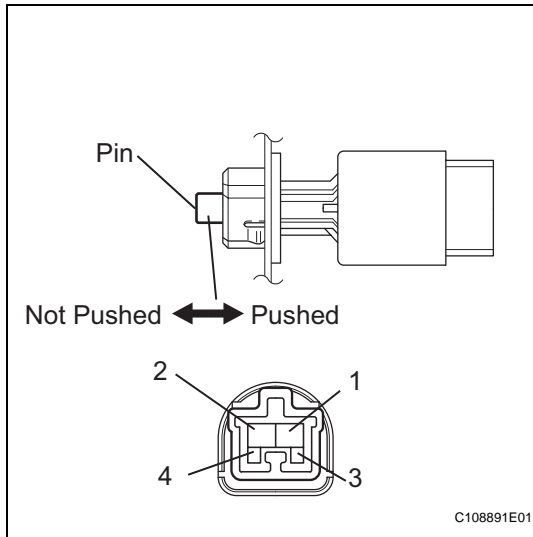
END

BC

A

REPLACE BRAKE ACTUATOR ASSEMBLY

4 INSPECT STOP LIGHT SWITCH ASSEMBLY



- Disconnect the S8 switch connector.
- Measure the resistance of the switch.

Standard resistance

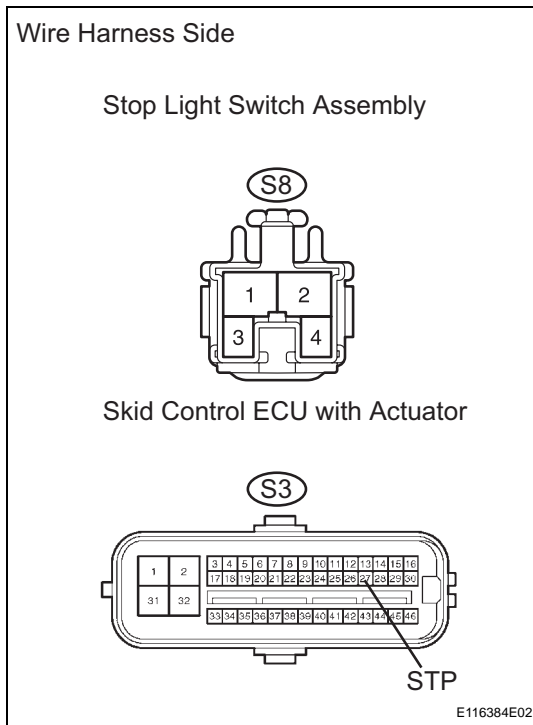
Tester Connection	Switch Condition	Specified Condition
1 - 2	Pin not pushed	Below 1 Ω
	Pin pushed	10 k Ω or higher

NG

REPLACE STOP LIGHT SWITCH ASSEMBLY

OK

5 CHECK WIRE HARNESS (STOP LIGHT SWITCH - SKID CONTROL ECU AND BATTERY)



- Disconnect the S8 switch connector.
- Disconnect the S3 ECU connector.
- Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Specified Condition
S8-2 - Body ground	10 to 14 V

- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
S8-1 - S3-27 (STP)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6 CHECK IF DTC OUTPUT RECURS

- Clear the DTCs (see page [BC-16](#)).
- Drive the vehicle at approximately 30 km/h (19 mph) or more for 60 seconds or more.

(c) Check for DTCs (see page [BC-19](#)).

Result

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

HINT:
When replacing the skid control ECU with actuator,
perform the zero point calibration (see page [BC-11](#)).



REPLACE BRAKE ACTUATOR ASSEMBLY