

AUTO LSD Indicator Light Remains ON

DESCRIPTION

This is the auto LSD switch for 2WD. When the auto LSD switch is pushed on, the auto LSD function is available and the auto LSD indicator light illuminates.

HINT:

The auto LSD does not operate even if the auto LSD switch is pressed under the following conditions:

- The TRC or VSC system is faulty.
- The temperature inside the hydraulic brake booster increases and the auto LSD operation is suspended.

BC



INSPECTION PROCEDURE

1 CHECK CAN COMMUNICATION SYSTEM

- (a) Check if the CAN communication system DTC is output (see page [CA-34](#)).

Result

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

OK:

The connector is securely connected.

B**REPAIR CAN COMMUNICATION SYSTEM****A****2****CHECK SKID CONTROL ECU CONNECTOR**

- (a) Check if the skid control ECU connector is securely connected.

OK:

The connector is securely connected.

NG**CONNECTOR CORRECTLY****OK****3****CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)**

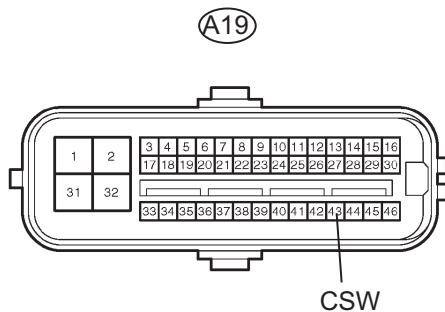
- (a) Disconnect the A19 ECU connector.
(b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
A19-43 (CSW) - Body ground	AUTO LSD switch is not pushed	10 k Ω or higher
A19-43 (CSW) - Body ground	AUTO LSD switch is pushed	Below 1 Ω

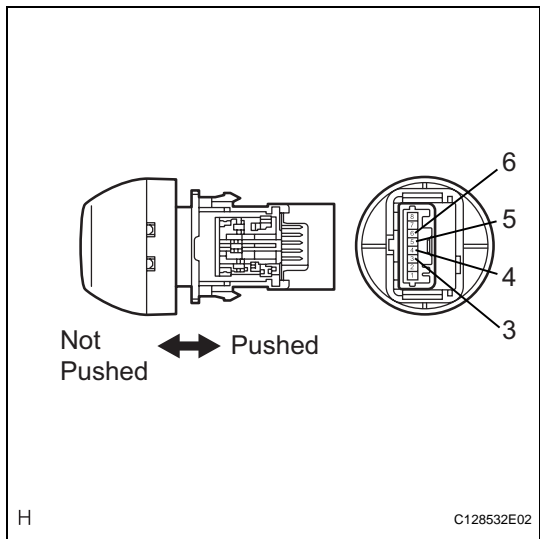
OK**Go to step 6**

Wire Harness Side

**NG****BC**

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INSPECT AUTO LSD SWITCH



- (a) Remove the auto LSD switch.
(b) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
3 - 6	Not pushed	10 kΩ or higher
3 - 6	Pushed	Below 1Ω

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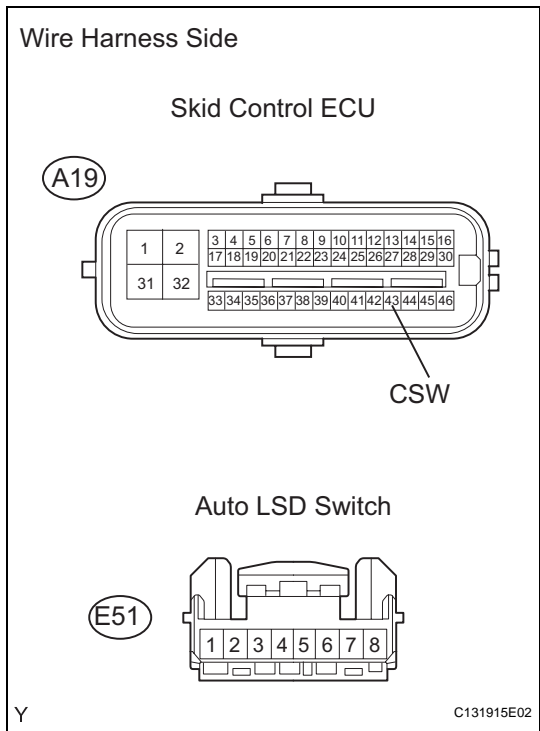
REPLACE TRACTION CONTROL SWITCH

OK

BC

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CHECK WIRE HARNESS (SKID CONTROL ECU - TRACTION CONTROL SWITCH)



- (a) Disconnect the A19 ECU connector.
(b) Disconnect the E51 switch connector.
(c) Measure the resistance of the wire harness side connectors.
Standard resistance

Tester Connection	Specified Condition
A19-43 (CSW) - E51-6	Below 1 Ω
E51-3 - Body ground	Below 1 Ω
A19-43 (CSW) - Body ground	10 kΩ or higher

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6

CHECK COMBINATION METER

- (a) Check the combination meter (see page [ME-15](#)).

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**REPLACE COMBINATION METER
ASSEMBLY**

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY

BC