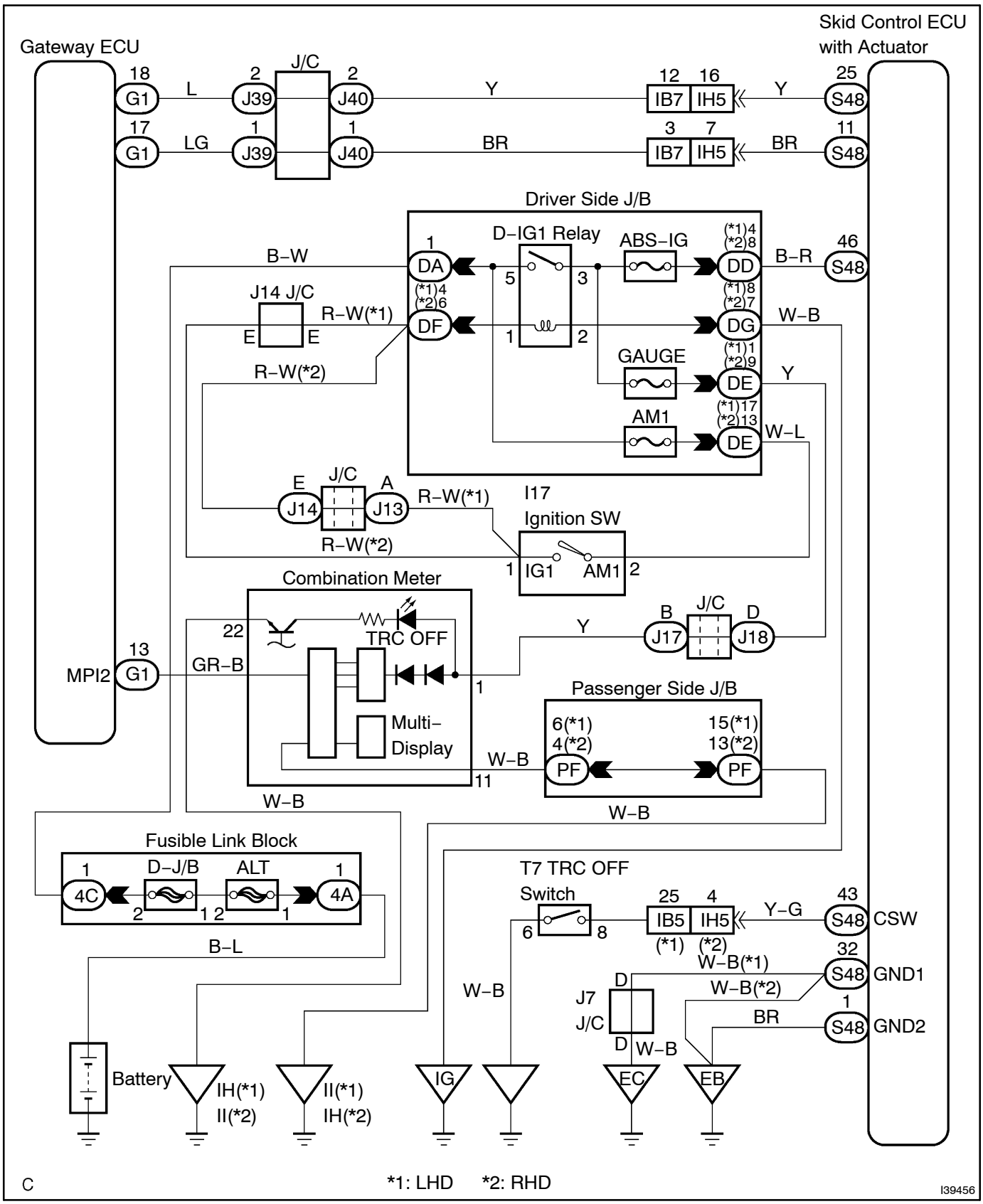
TRC OFF INDICATOR, TRC CUT SWITCH CIRCUIT

CIRCUIT DESCRIPTION

The skid control ECU detects the TRC control main switch ON/OFF signal and turns the TRC OFF light on/off. When the TRC control switch is pressed, the TRC control does not operate and the TRC OFF light comes on.

The skid control ECU is connected to the combination meter via CAN and MPX communications.

WIRING DIAGRAM



C

*1: LHD *2: RHD

I39456

INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER II (TRC OFF INDICATOR LIGHT)

(a) Connect the intelligent tester II to the DLC3.
(b) Start the engine.
(c) Select the item "VSC OFF Light" in the ACTIVE TEST and operate the TRC OFF indicator light on the intelligent tester II.

Item	Vehicle Condition / Test Details	Diagnostic Note
VSC/TRC OFF Light	Turns VSC / TRC OFF indicator ON / OFF	Observe combination meter

(d) Check that "ON" and "OFF" of the TRC OFF indicator light are indicated on the combination meter when using the intelligent tester II.
OK:
Turn the TRC OFF indicator light on or off in accordance with the intelligent tester II.

NG → **Go to step 5**

OK

2	INSPECT MULTIPLEX COMMUNICATION SYSTEM

(a) Is the DTC output for Multiplex communication system?
Result:

DTC is not output	A
DTC is output	B

B → **REPAIR MULTIPLEX COMMUNCATION SYSTEM (SEE PAGE 05–3162)**

A

3	INSPECT CAN COMMUNICATION SYSTEM

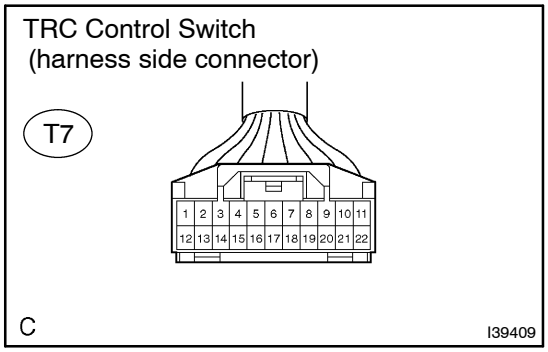
(a) Is the DTC output for CAN communication system?
Result:

DTC is not output	A
DTC is output	B

B → **REPAIR CAN COMMUNICATION SYSTEM (SEE PAGE 05–3331)**

A

4 INSPECT TRACTION CONTROL SWITCH



(a) Remove the TRC control switch.
(b) Disconnect the TRC control switch connector.
(c) Measure the resistance according to the value(s) in the table below.

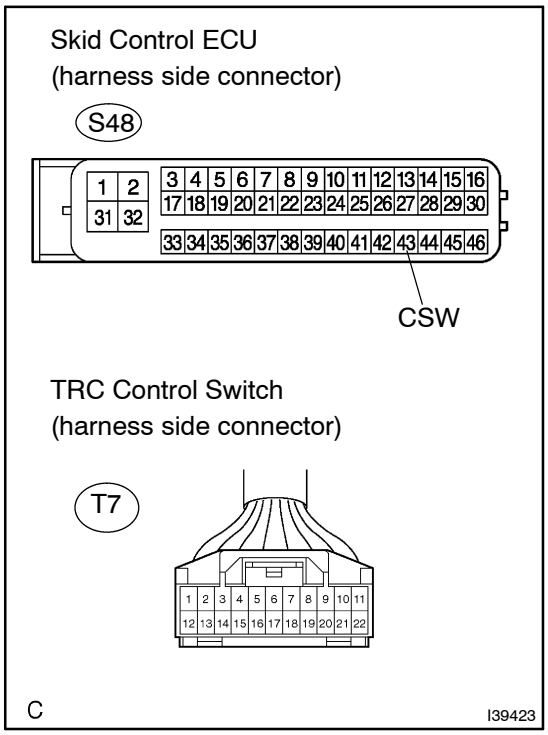
Standard:

Tester Connection	Switch Condition	Specified Condition
T7–8 (+) – T7–6	Pushed in (ON)	Below 1 Ω
T7–8 (+) – T7–6	Released (OFF)	1 MΩ or higher

NG → **REPLACE TRACTION CONTROL SWITCH**

OK

5 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – TRC OFF SWITCH)



(a) Disconnect the skid control ECU connector and the TRC control switch connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S48–43 (CSW) – T7–8	Below 1 Ω
S48–43 (CSW) – Body ground	1 MΩ or higher
T7–6 – Body ground	Below 1 Ω

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

OK

6	INSPECT COMBINATION METER ASSEMBLY (SEE PAGE 05–2151)

NG → REPAIR OR REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–53)

NOTICE:
When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05–387).