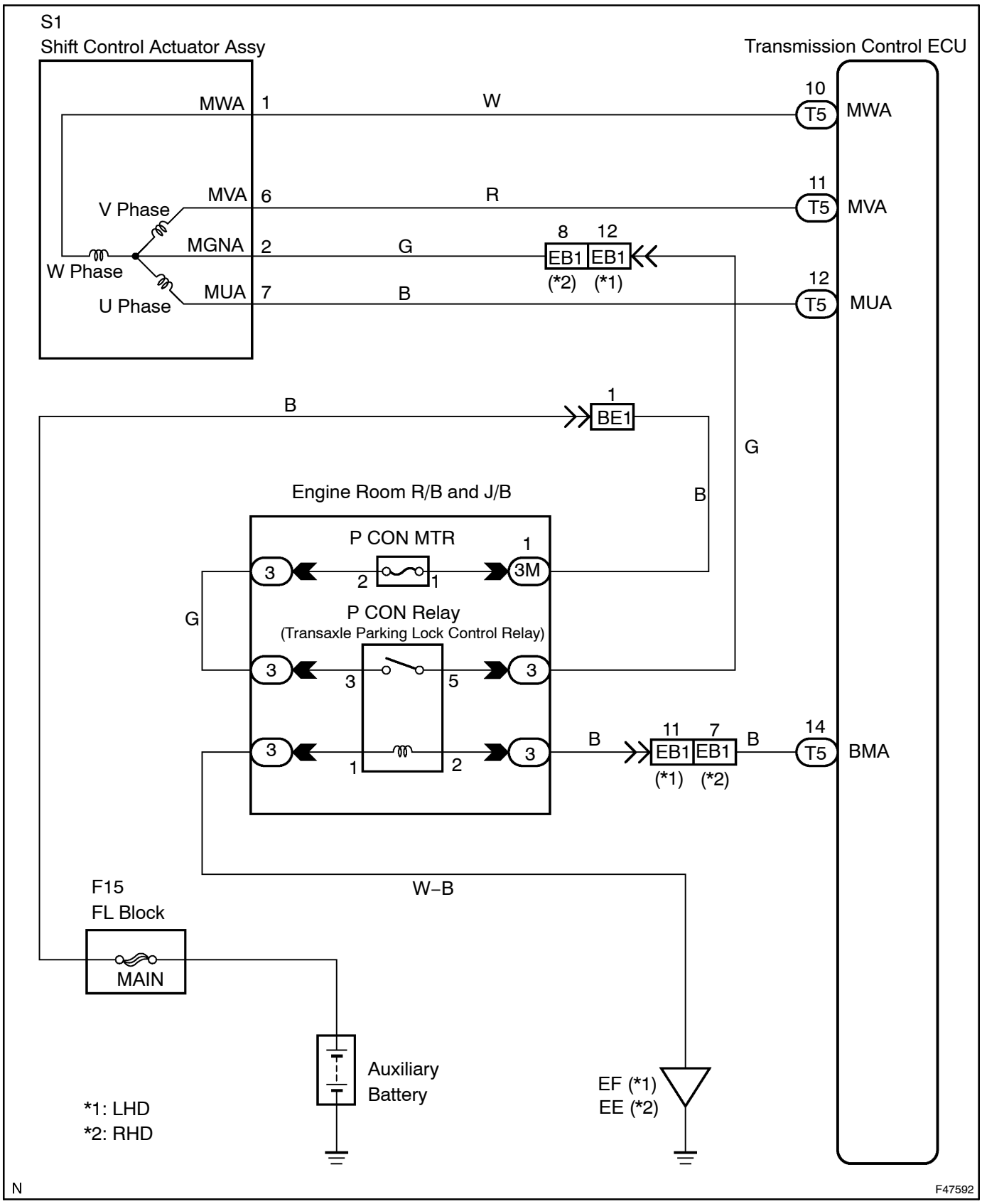
DTC	C2303	RELAY MALFUNCTION (+B SHORT)

CIRCUIT DESCRIPTION

The transaxle parking lock control relay is activated by output voltage from the transmission control ECU and supplies power to the shift control actuator assy. The transmission control ECU outputs this DTC when it detects a malfunction in the transaxle parking lock control relay.

DTC No.	DTC detecting condition	Trouble area
C2303	• The transaxle parking lock control relay is off. • Voltage of the transmission control ECU terminals MUA, MVA, and MWA is 6 V or more for 64 ms or more.	• Transaxle parking lock control relay (P CON Relay) • Transmission control ECU assy • Wire harness or connector

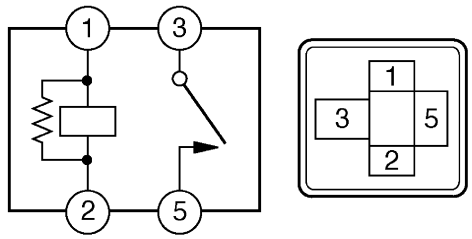
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT TRANSAXLE PARKING LOCK CONTROL RELAY(P CON RELAY)

P CON Relay:



B57491

(a) Remove the P CON relay from the engine room R/B and J/B.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

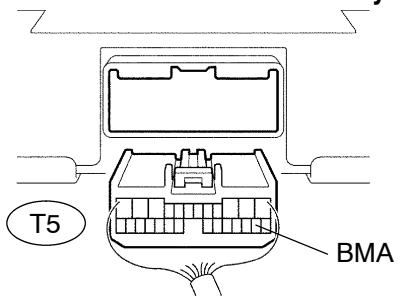
Tester Connection	Specified Condition
3 – 5	10 kΩ or higher
3 – 5	Below 1 Ω (When battery voltage is applied to terminals 1 and 2)

NG → **REPLACE TRANSAXLE PARKING LOCK CONTROL RELAY**

OK

2 CHECK HARNESS AND CONNECTOR(TRANSMISSIOIN CONTROL ECU ASSY – TRANSAXLE PARKING LOCK CONTROL RELAY)

Transmission Control ECU Assy:



F47584

(a) Disconnect the T5 connector from the transmission control ECU assy.

(b) Measure the voltage according to the value(s) in the table below.

Standard:

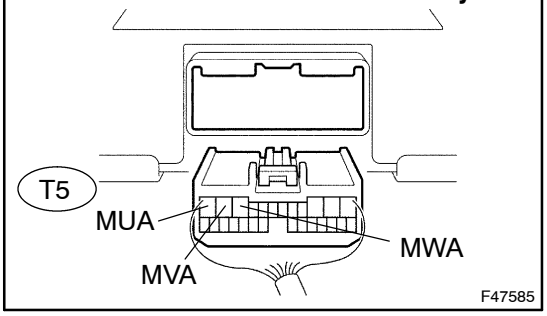
Tester connection (Symbols)	Condition	Specified condition
T5–14 (BMA) – Body ground	Always	Below 1 V

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

OK

3	CHECK HARNESS AND CONNECTOR(TRANSMISSION CONTROL ECU ASSY – SHIFT CONTROL ACTUATOR ASSY)

Transmission Control ECU Assy:



(a) Measure the voltage according to the value(s) in the table below.

Standard:

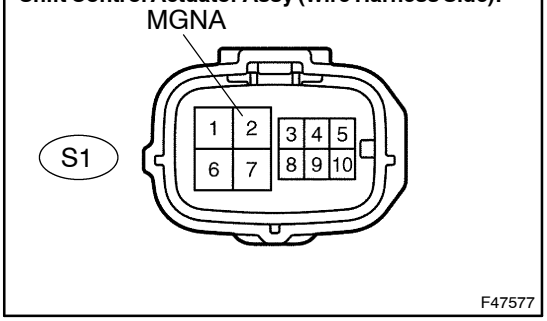
Tester connection (Symbols)	Condition	Specified condition
T5–10 (MWA) – Body ground	Always	Below 1 V
T5–11 (MVA) – Body ground	Always	Below 1 V
T5–12 (MUA) – Body ground	Always	Below 1 V

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

OK

4	CHECK HARNESS AND CONNECTOR(SHIFT CONTROL ACTUATOR ASSY – TRANSAXLE PARKING LOCK CONTROL RELAY)

Shift Control Actuator Assy (Wire Harness Side):



(a) Disconnect the S1 connector from the shift control actuator assy.

(b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection (Symbols)	Condition	Specified condition
S1–2 (MGNA) – Body ground	Always	Below 1 V

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

OK

REPLACE TRANSMISSION CONTROL ECU ASSY