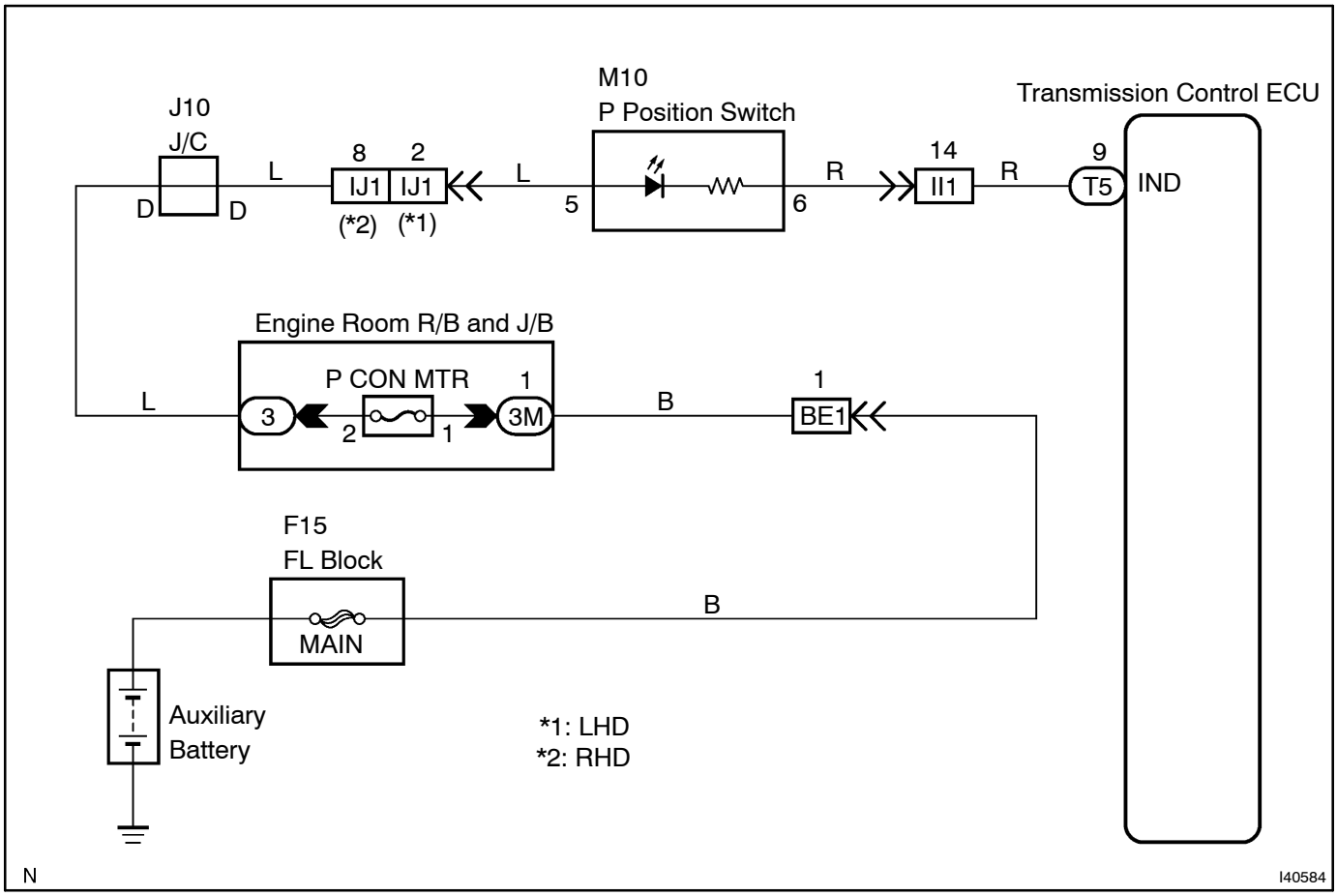
P POSITION SWITCH INDICATOR LIGHT CIRCUIT

CIRCUIT DESCRIPTION

The parking lock switch indicator light comes on or goes off to indicate the on/off status of the P position switch and blinks to indicate malfunction conditions of the system.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK INDICATOR LAMP

(a) Inspect the indicator light condition by operating the P position switch.
Result:

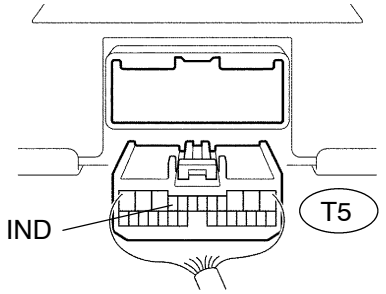
Condition	Proceed to
Indicator light does not go off.	A
Indicator light does not come on.	B

B → **Go to step 3**

A

2	CHECK HARNESS AND CONNECTOR(TRANSMISSION CONTROL ECU ASSY – P POSITION SWITCH)

Transmission Control ECU Assy:



(a) Disconnect the T5 connector from the transmission control ECU assy.
(b) Disconnect the M10 connector from the P position switch.
(c) Measure the resistance according to the value(s) in the table below.
Standard:

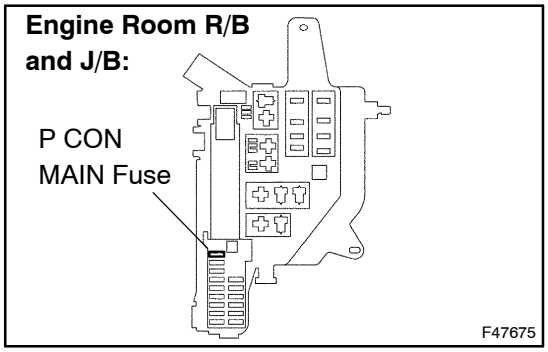
Tester connection (Symbols)	Condition	Specified condition
T5–9 (IND) – Body ground	Always	10 kΩ or higher

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

OK

REPLACE TRANSMISSION CONTROL ECU ASSY

3 INSPECT FUSE



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

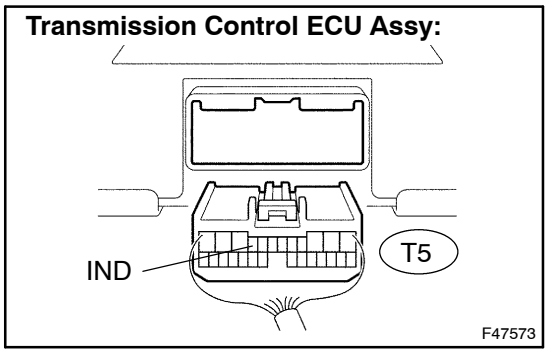
(b) Check for continuity of the P CON MAIN fuse.

Standard: Continuity

NG → **INSPECT FOR SHORT IN ALL COMPONENTS CONNECTED TO FUSE AND REPAIR OR REPLACE THEM IF NEEDED, AND REPLACE FUSE**

OK

4 INSPECT COMPUTER, TRANSMISSION CONTROL(IND TERMINAL)



(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:

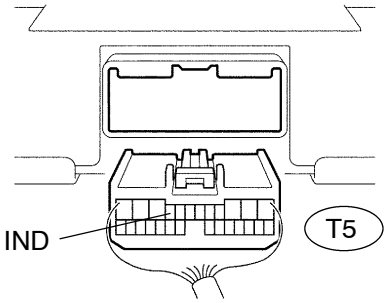
Tester connection (Symbols)	Condition	Specified condition
T5–9 (IND) – Body ground	Always	9 to 14 V

OK → **REPLACE TRANSMISSION CONTROL ECU ASSY**

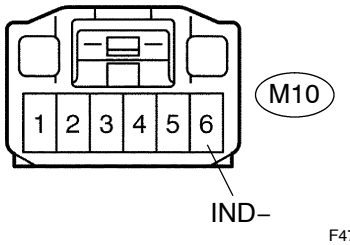
NG

5	CHECK HARNESS AND CONNECTOR(TRANSMISSION CONTROL ECU ASSY – P POSITION SWITCH)

Transmission Control ECU Assy:



P Position Switch (Wire Harness Side):



F47574

(a) Disconnect the M10 connector from the P position switch.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

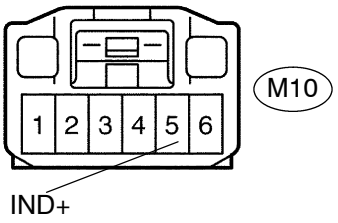
Tester connection (Symbols)	Condition	Specified condition
T5–9 (IND) – M10–6 (IND–)	Always	Below 1 Ω

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

OK

6	INSPECT P POSITION SWITCH

P Position Switch (Wire Harness Side):



F47575

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

Standard:

Tester connection (Symbols)	Condition	Specified condition
M10–5 (IND+) – Body ground	Always	9 to 14 V

OK → **REPLACE P POSITION SWITCH**

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (P POSITION SWITCH – BATTERY)