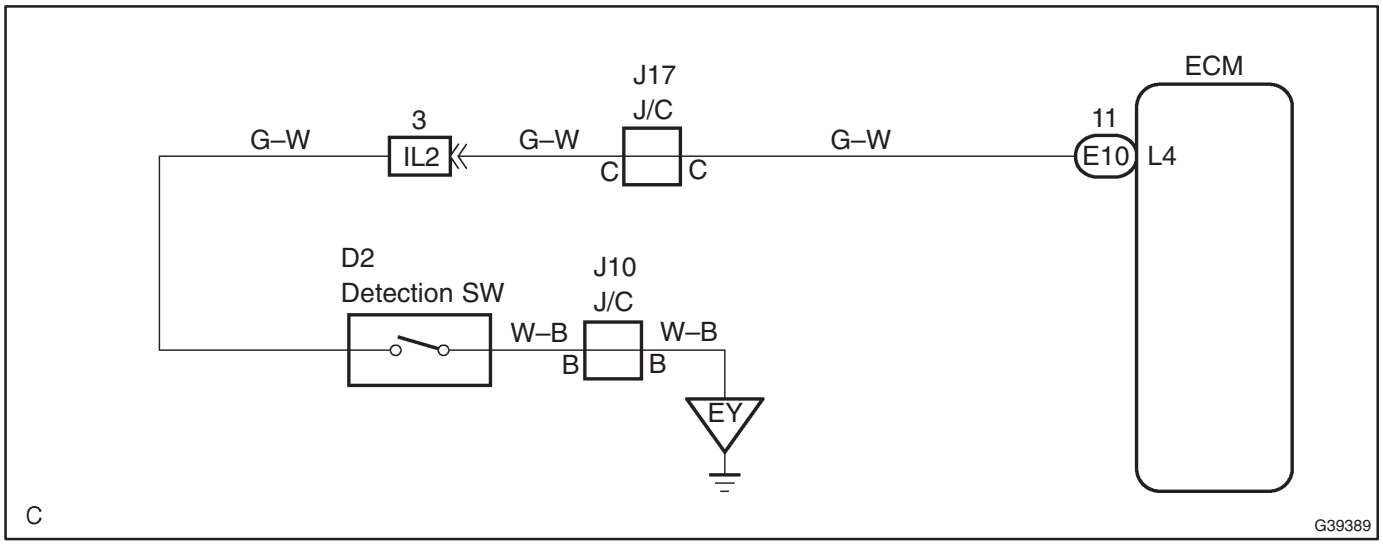
L4 POSITION SWITCH CIRCUIT

CIRCUIT DESCRIPTION

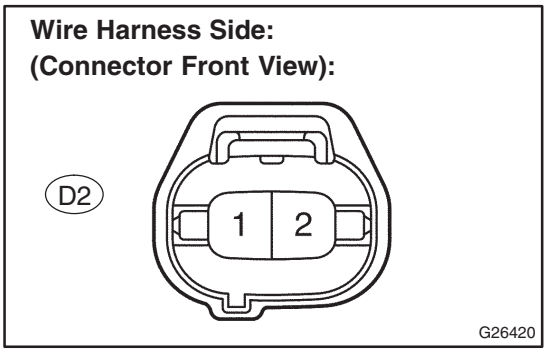
The L4 position switch detects the gear position of the transfer. Shifting the transfer shift lever into L4 turns L4 position switch ON. Then the ECM cancels operation of the lock–up clutch.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(TRANSFER INDECATOR SWITCH–BODY GROUND)



(a) Disconnect the transfer indicator switch No.1 connector.
(b) Measure the resistance according to the value(s) in the table below.

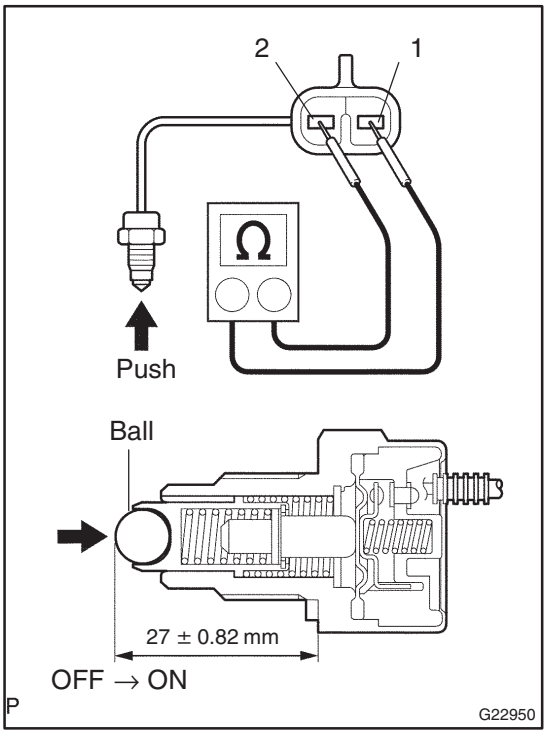
Standard:

Tester Connection	Specified Condition
2 – Body ground	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01–36)**

OK

2 INSPECT TRANSFER INDICATOR SWITCH NO.1(L4 POSITION SWITCH)



(a) Remove the transfer indicator switch No.1.
(b) Measure the resistance according to the value(s) in the table below.

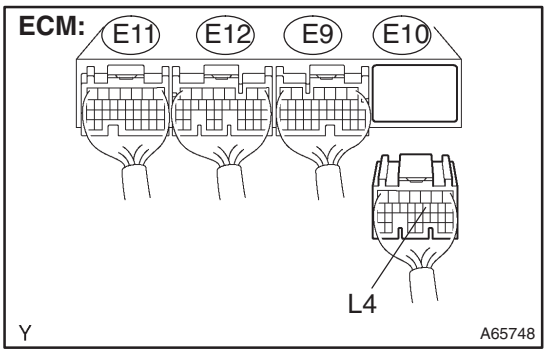
Standard:

Switch position	Tester Connection	Specified Condition
Free	1 – 2	10 kΩ or higher
Pushed in	↑	Below 1 Ω

NG → **REPLACE TRANSFER INDICATOR SWITCH NO.1(L4 POSITION SWITCH) (SEE PAGE 31–5)**

OK

3 CHECK HARNESS AND CONNECTOR(TRANSFER INDICATOR SWITCH–ECM)



(a) Disconnect the connector from the ECM.

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

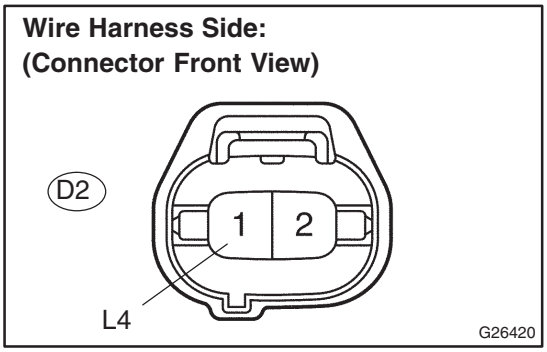
Standard (Check for open):

Tester Connection	Specified Condition
E10 – 11 (L4) – D2 – 1 (L4)	Below 1 Ω

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

Standard (Check for short):

Tester Connection	Specified Condition
E10 – 11 (L4) – Body ground	10 kΩ or higher



NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01–36)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–937)