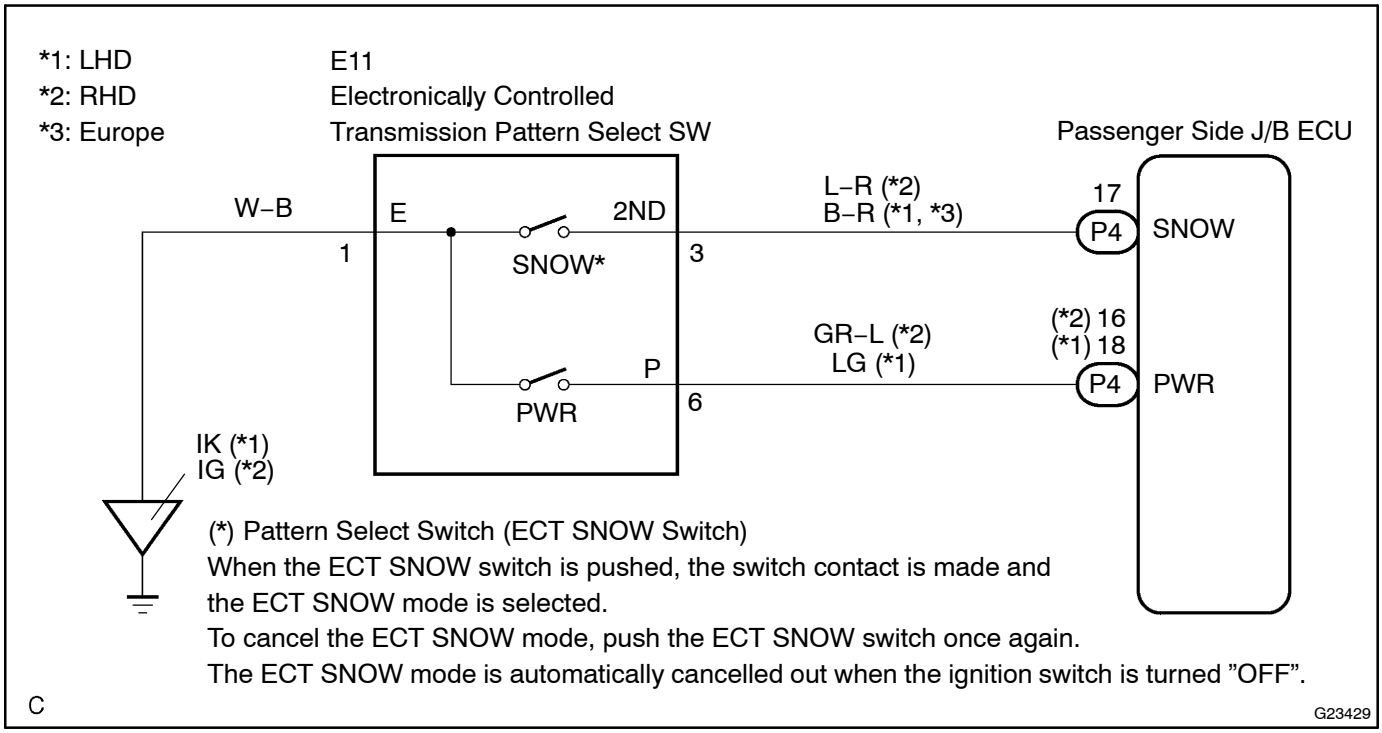
PATTERN SELECT SWITCH CIRCUIT (SNOW)

CIRCUIT DESCRIPTION

Passenger side J/B ECU receives pattern select switch information, and sends it through the multiplex communication system and CAN system to the ECM.
ECT SNOW is the system that operates the throttle motor to control engine output to reduce skidding of the driving wheels, guarantee takeoff acceleration, driving straightness and turning stability.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	DRIVING TEST

(a) Start the engine.
(b) Turn the ECT SNOW switch "OFF" (Normal drive mode).
(c) Confirm vehicle response by driving from a parked position to fully depressing the accelerator pedal.
(d) Turn the ECT SNOW switch "ON" and perform the same check as (c).
Confirm that there is a difference between ECT SNOW switch "ON" and "OFF".

HINT:
- Driving test should be done on a paved road (a nonskid road).
- Make sure not to use the TRAC system when testing a vehicle equipped with one.

OK:

There is a difference in acceleration between "ON" and "OFF".

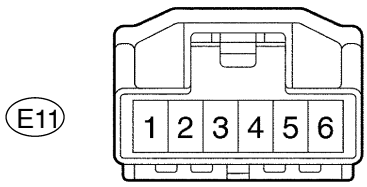
NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–539)

2	CHECK HARNESS AND CONNECTOR (PATTERN SELECT SWITCH ASSY NO.1 – BODY GROUND)

Wire Harness Side:
(Connector Front View):



(a) Disconnect the connector of pattern select switch.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

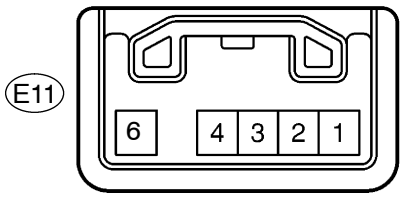
Tester Connection	Specified Condition
1 – Body ground	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01–44)**

OK

3	INSPECT PATTERN SELECT SWITCH ASSY NO.1

Switch Side:
(Connector Front View):



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

Standard:

Switch Condition	Tester Connection	Specified Condition
Press continuously Pattern select switch (SNOW)	1 – 3	Below 1 Ω
Release Pattern select switch (SNOW)	↑	10 kΩ or higher

NG → **REPLACE PATTERN SELECT SWITCH ASSY NO.1**

OK

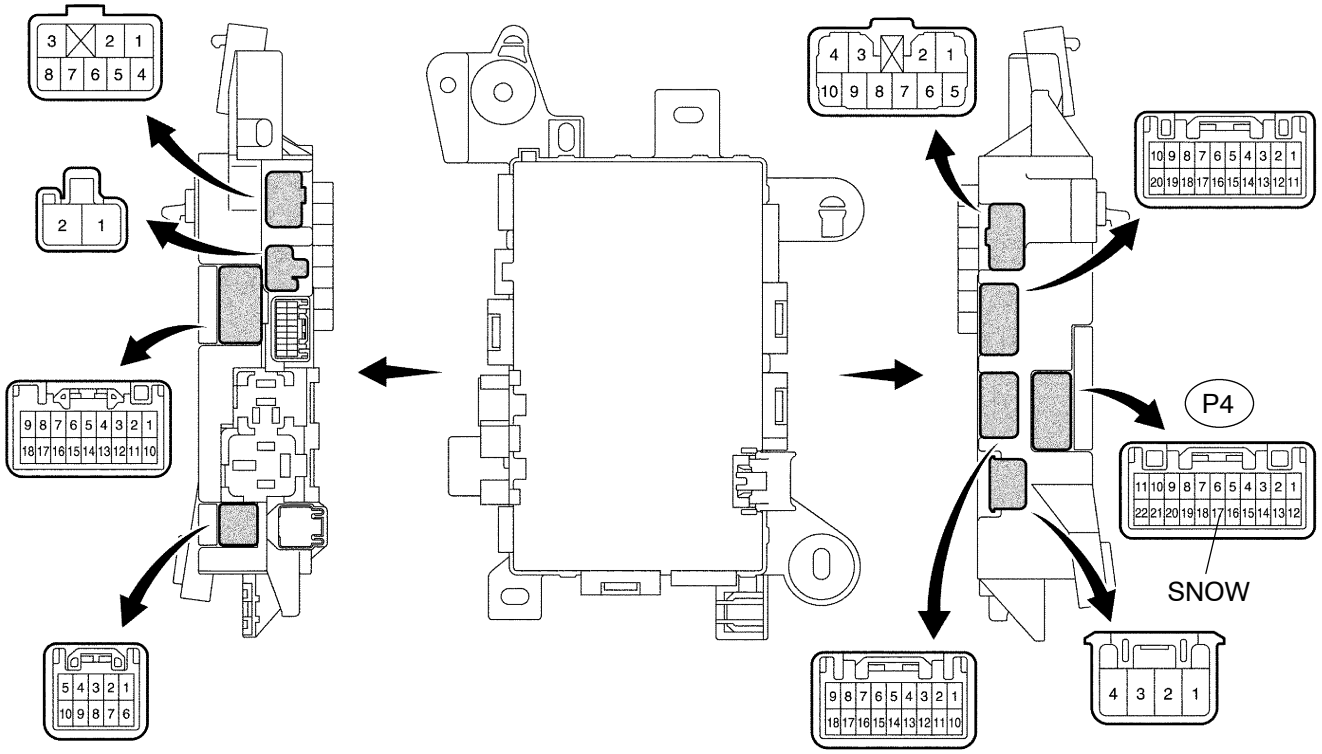
4	CHECK HARNESS AND CONNECTOR(PATTERN SELECT SWITCH ASSY NO.1 – MULTIPLEX NETWORK BODY ECU)

(a) Connect the connector of pattern select switch.
(b) Disconnect the passenger side junction block assy (multiplex network body ECU) connector.
(c) Measure the resistance between terminal SNOW of passenger side junction block assy (multiplex network body ECU) and body ground.

Standard:

Switch Condition	Tester Connection	Specified Condition
Press continuously Pattern select switch (SNOW)	P4 – 17 (SNOW) – Body ground	Below 1 Ω
Release Pattern select switch (SNOW)	↑	10 kΩ or higher

Passenger Side Junction Block Assy (Multiplex Network Body ECU):
Back Side:



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NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01–44)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–539)