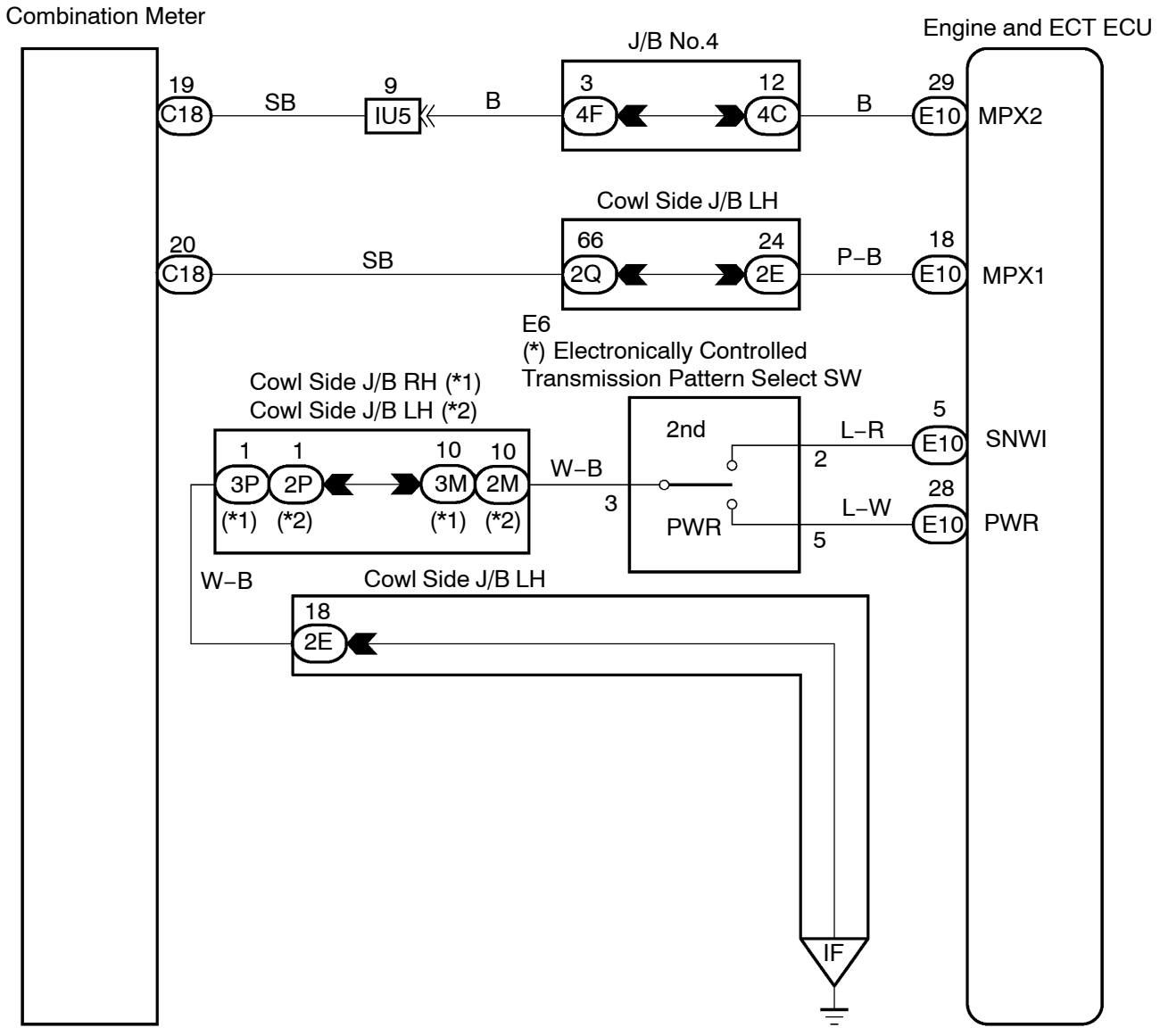
DIAV3–01

Pattern Select Switch Circuit (PWR Mode Switch)

CIRCUIT DESCRIPTION

The Engine and ECT ECU memory contains the shift programs for the NORMAL and POWER patterns, 2 range, L range and the lock–up patterns. Following the programs corresponding to the signals from the pattern select switch, the Neutral startand other various sensors, the Engine and ECT ECU switches the solenoid valves ON and OFF, and controls the transmission gear change and the lock–up clutch operation.

WIRING DIAGRAM



(*) Pattern Select Switch (PWR Mode Switch)
When the PWR mode switch is pushed in, the switch contact is made and the PWR mode is selected.
To cancel the PWR mode, push the PWR mode switch once again.

*1: LHD *2: RHD

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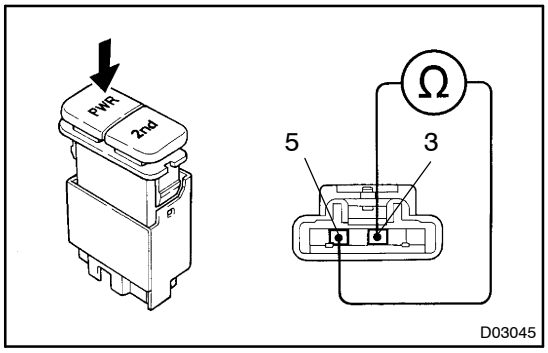
INSPECTION PROCEDURE

1	Check pattern select switch (PWR mode switch).



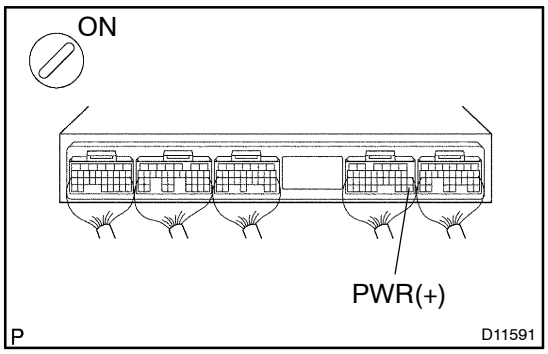
PREPARATION:
Disconnect the pattern select switch connector.
CHECK:
Check continuity between terminals 3 and 5 of pattern select switch connector when the select switch is set to PWR and NORM ranges.
OK:

Pattern select switch	Specified condition
PWR	Continuity
NORM	No continuity

NG → **Replace the pattern select switch.**

OK

2	Check PATTERN SEL SW signal.



PREPARATION:
(a) Connect the pattern select switch connector.
(b) Turn the ignition switch ON.
CHECK:
Measure voltage between terminal PWR of Engine and ECT ECU and body ground when the pattern select switch is set to the PWR (POWER) range and NORM (NORMAL) range.
OK:

Pattern select switch	Voltage
PWR	Below 1.5 V
NORM	10 – 14 V

HINT:
The Engine and ECT ECU uses the normal pattern signal if the PWR signal is not input.

OK → **Proceed to next circuit inspection shown on matrix chart (See page DI–26).**

NG

Repair or replace harness or connector (See page IN–38).