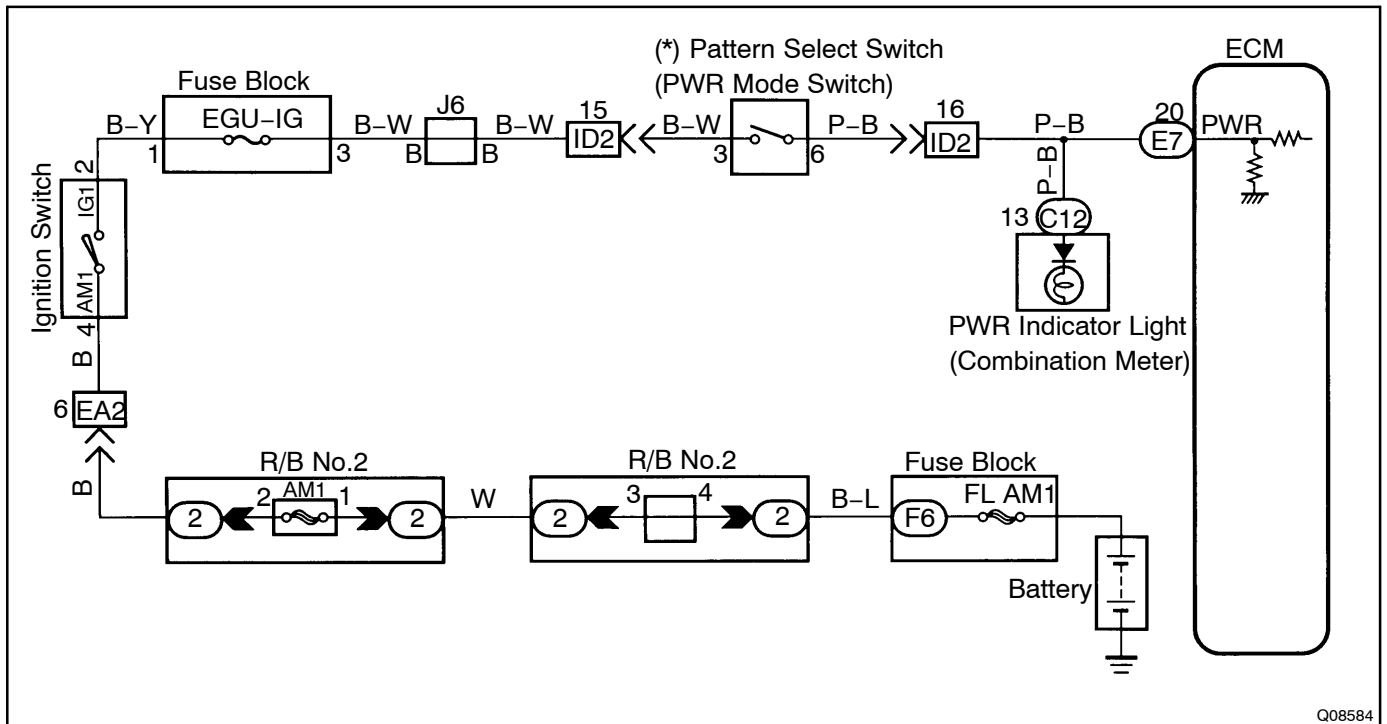


Pattern Select Switch Circuit (PWR Mode Switch)

CIRCUIT DESCRIPTION

The ECM memory contains the shift programs for the NORMAL and POWER patterns, 2 position, L position and the lock-up patterns. Following the programs corresponding to the signals from the pattern select switch, the park/neutral position switch and other various sensors, the ECM switches the solenoid valves ON and OFF, and control 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 is contacted and the PWR mode is selected. To cancel the PWR mode, push the PWR mode switch once again.

INSPECTION PROCEDURE

1	Check operation of PWR indicator light.
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PREPARATION:

Check if the PWR indicator light normally when the PWR mode switch is set to NORM and PWR position.

NG

Check and repair PWR indicator light.

OK

2**Check PATTERN SEL SW signal.****When using TOYOTA hand-held tester.****PREPARATION:**

- (a) Remove the fuse box cover.
- (b) Connect a TOYOTA hand-held tester to the DLC3.
- (c) Turn ignition switch ON and TOYOTA hand-held tester main switch ON.

CHECK:

Read the PWR signal on the TOYOTA hand-held tester.

OK:

Pattern select switch	PATTERN SEL SW signal
PWR	ON
NORM	OFF

When not using TOYOTA hand-held tester.**PREPARATION:**

Turn ignition switch ON.

CHECK:

Measure voltage between terminal PWR of ECM connector and body ground when the PWR mode switch is set to the PWR (POWER) position and NORM (NORMAL) position.

OK:

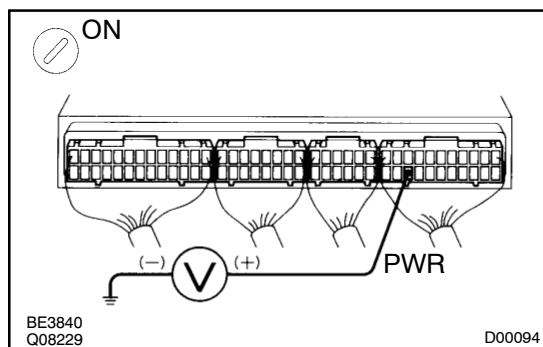
Pattern select switch	Voltage
PWR	7.5 – 14 V
NORM	Below 1.5 V

HINT:

The ECM uses the normal pattern signal if the power signal is not input.

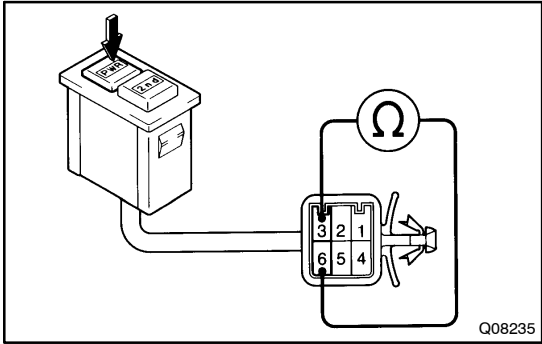
OK

Proceed to next circuit inspection shown on matrix chart (See page [DI-150](#)).

NG

3

Check PWR mode switch.



PREPARATION:

Disconnect the pattern select switch connector.

CHECK:

Check continuity between terminals of pattern select switch connector when the PWR mode switch is set to PWR and NORM positions.

OK:

PWR mode switch	Specified condition
PWR	0 Ω (Continuity)
NORM	∞ Ω (open)

NG

Replace pattern select switch.

OK

4

Check harness and connector between battery and pattern select switch, pattern select switch and ECM (See page [IN-27](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ECM.