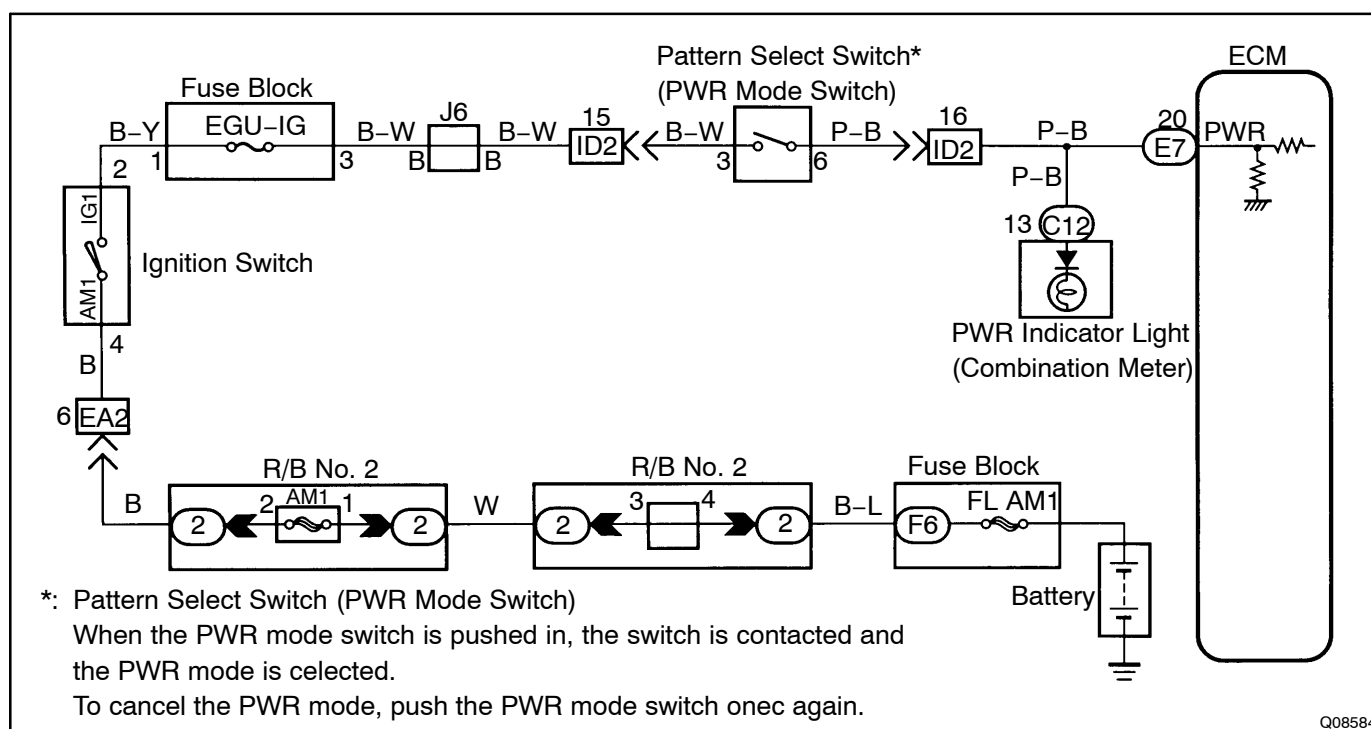


Pattern Select Switch Circuit (PWR Mode Switch)

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



INSPECTION PROCEDURE

- 1 Check operation of PWR indicator light.

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 the ignition switch ON and TOYOTA hand-held tester main switch ON.

CHECK:

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

OK:

PWR Mode Switch	PATTERN SEL SW Signal
PWR	ON
NORM	OFF

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

Turn the ignition switch ON.

CHECK:

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

OK:

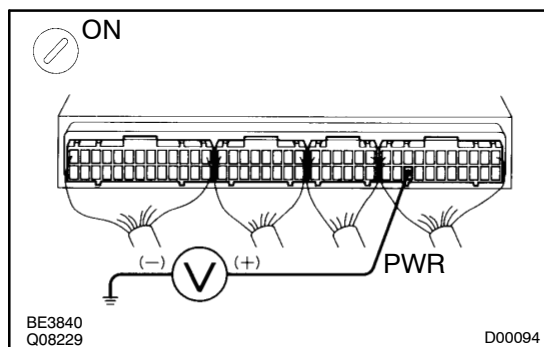
PWR Mode Switch	Voltage
PWR	7.5 – 14 V
NORM	Below 1.5 V

HINT:

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

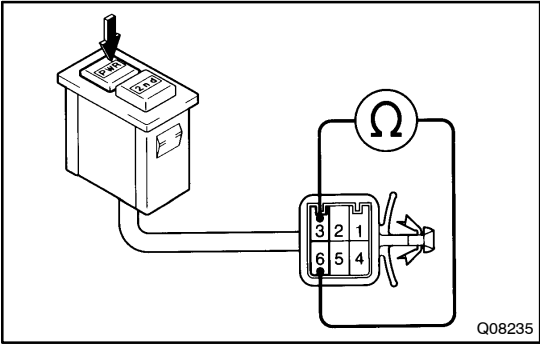
OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-147](#)).

NG

3

Check PWR mode switch.



PREPARATION:

Disconnect the pattern select switch connector.

CHECK:

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

OK:

PWR Mode Switch	Resistance
PWR	0 Ω (continuity)
NORM	∞ Ω (open)

NG

Replace pattern select switch.

OK

4

Check harness and connector between battery and pattern select switch, and pattern select switch and ECM (See page [IN-28](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ECM.