DI0T3-12

Pattern Select Switch Circuit

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 and other various sensors, the ECM switches the solenoid valves ON and OFF, and controls the transmission gear change and the lock-up clutch operation.

WIRING DIAGRAM
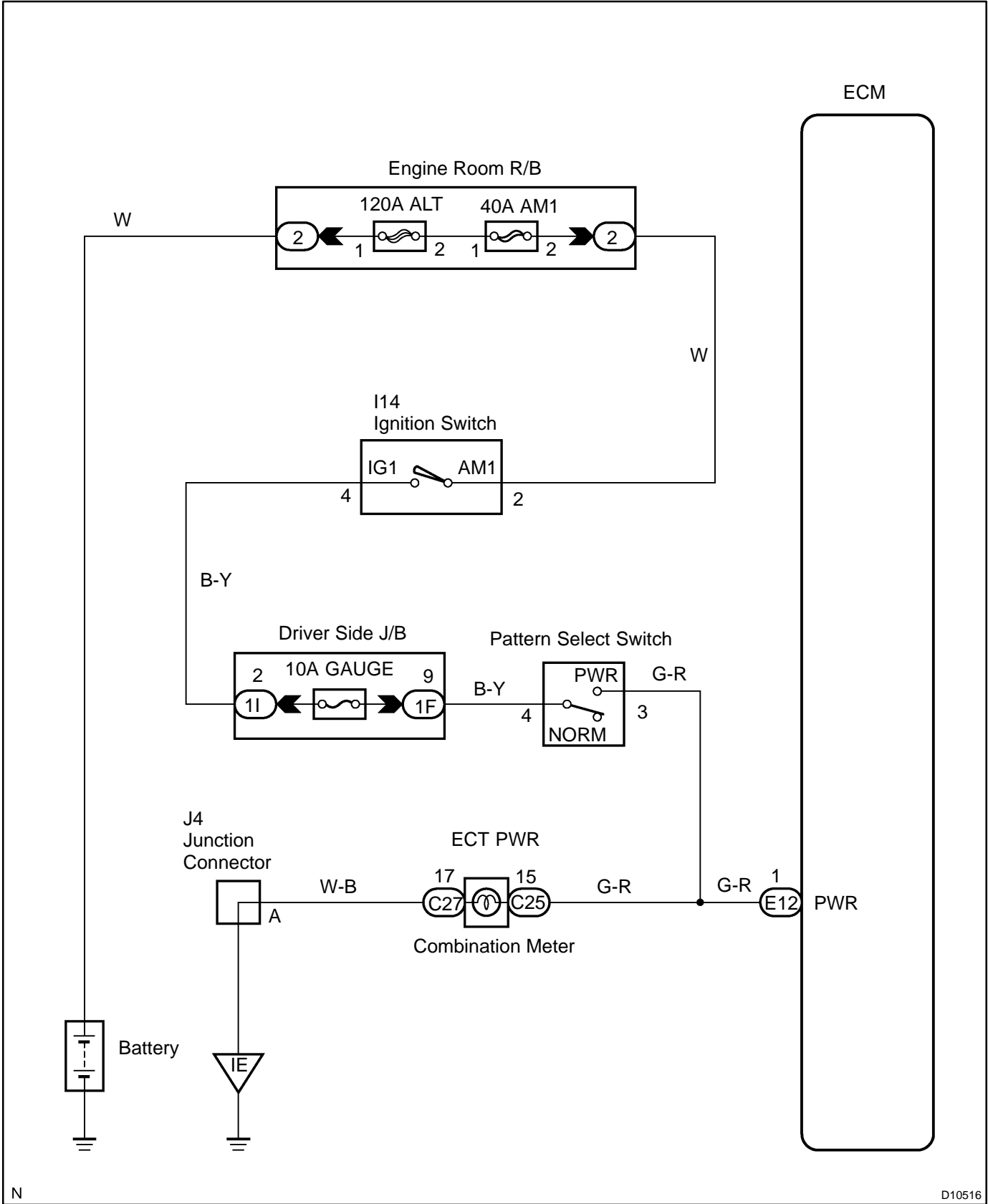
INSPECTION PROCEDURE

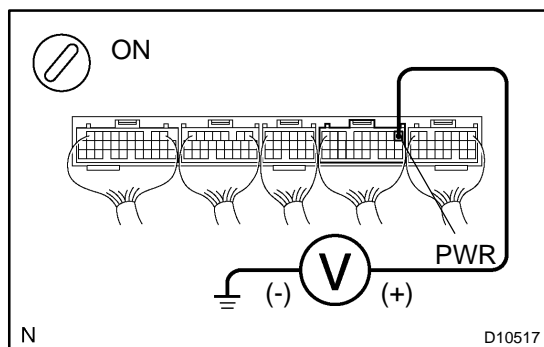| 1	Check PATTERN SEL SW signal.

When using TOYOTA hand-held tester:
PREPARATION:
(a) Remove the DLC3 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 PATTERN SEL SW signal on the TOYOTA hand-held tester.

OK:

Pattern select switch	PATTERN SEL SW signal
Pushed in	ON
Pushed out	OFF

When not using TOYOTA hand-held tester:
PREPARATION:
Turn the ignition switch ON.

CHECK:
Measure voltage between terminal PWR of the ECM and body ground when the pattern select switch set to the PWR (POWER) position and NORM (NORMAL) position.

OK:

Pattern select switch	Voltage
PWR	9 - 14 V
NORM	Below 1.5 V

HINT:
The ECM 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-175).**

NG

2	Check pattern select switch.

N   D10520
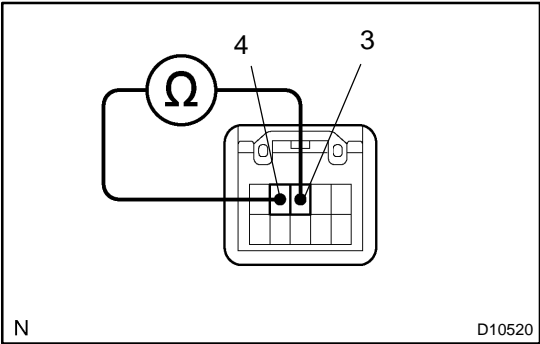
PREPARATION:
Disconnect the pattern select switch connector.
CHECK:
Check continuity between terminals 3 and 4 of pattern select switch connector when the select switch is set to PWR and NORM positions.
OK:

Pattern select switch	Specified condition
PWR	Continuity
NORM	No continuity

NG	Replace the pattern select switch.

OK

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

NG	Repair or replace the harness or connector.

OK

Check and replace the ECM (See page IN-28).