

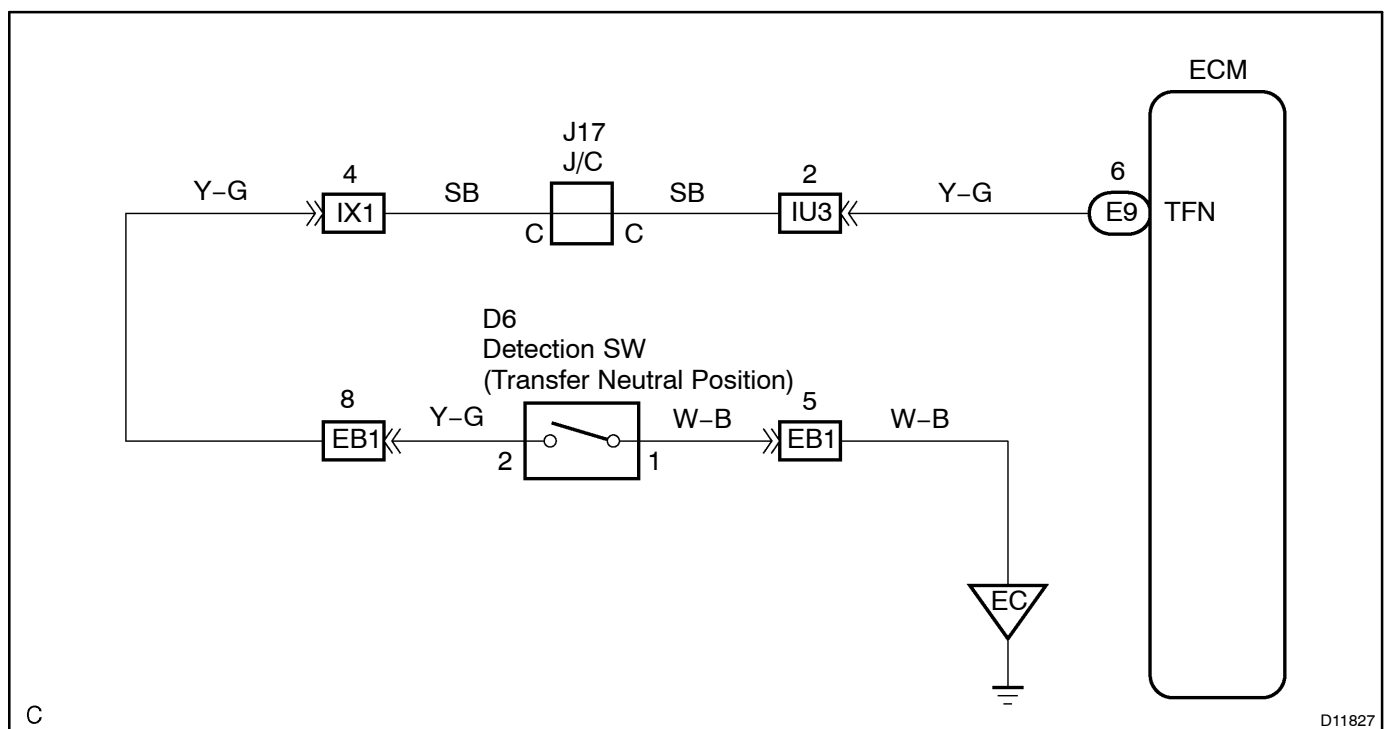
DTC	P1783	Transfer Neutral Switch Malfunction
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CIRCUIT DESCRIPTION

The ECM receive signal TFN from the indicator switch (neutral switch).

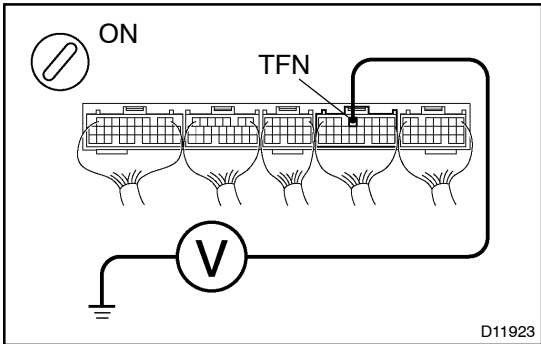
DTC No.	DTC Detecting Condition	Trouble Area
P1783	While driving under conditions (a) and (b) for 30 seconds or more, the indicator switch (neutral switch) is ON . (2-trip detection logic) (a) Vehicle speed: 25 km/h (16 mph) or more (b) Transfer shift position is H	• Short in indicator switch (neutral switch) signal circuit • Indicator switch (neutral switch) • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Inspect terminal voltage



PREPARATION:

Turn the ignition switch ON.

CHECK:

Measure voltage between terminal TFN of ECM and body ground when transfer shifter is shifted to the following position.

OK:

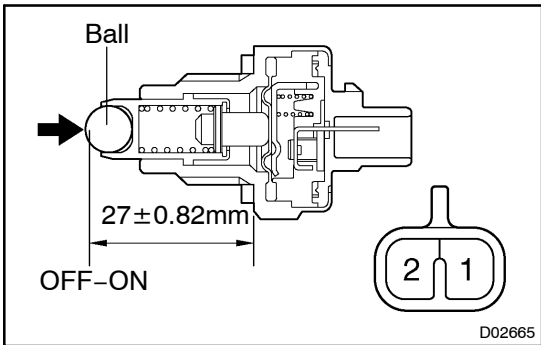
Transfer shift position	Voltage (V)
N	Below 1.5
Except N	9 - 14

OK

Proceed to next circuit inspection shown on problem symptom table (See page [DI-173](#)).

NG

2 Check indicator switch (neutral switch).



PREPARATION:

Remove the indicator switch (neutral switch) (See page [TR-8](#)).

CHECK:

Check that continuity exists between terminals 1 and 2 when pushing the ball at the tip of the switch.

OK:

Switch position	Specified condition
Push	Continuity
Free	No continuity

NG

Replace the indicator switch (neutral switch)

OK

3	Check harness and connector (See page IN-34).
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Repair or replace the harness or connector.

OK

Check and replace the ECM
(See page [IN-34](#)).