DI9NX–01

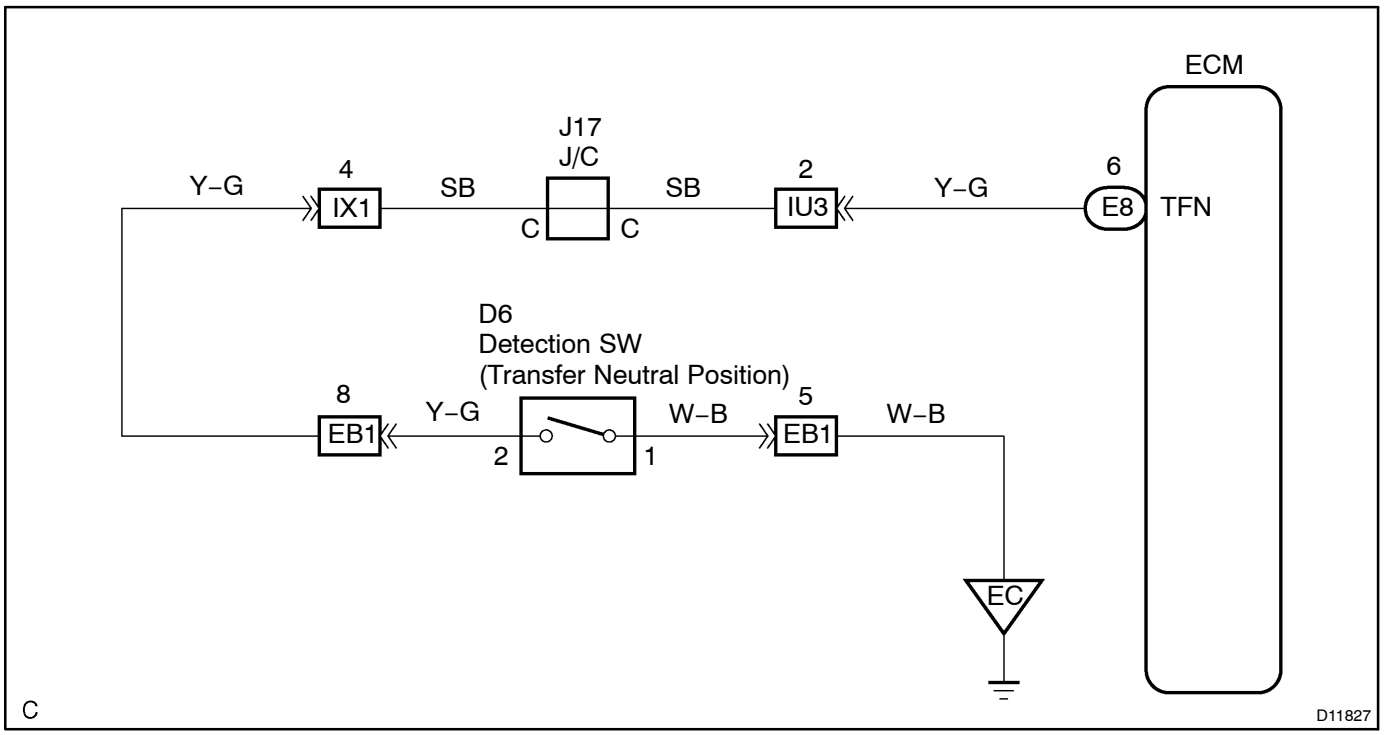
| DTC | P1783 | Transfer Neutral Switch Malfunction |
|---|---|---|

## CIRCUIT DESCRIPTION

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

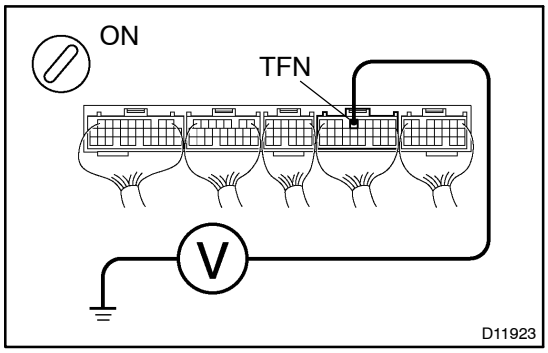
| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| P1783 | While driving under conditions (a) and (b) for 30 seconds or more, the indicator switch (neutral switch) is ON .<br>(2–trip detection logic)<br>(a) Vehicle speed: 25 km/h (16 mph) or more<br>(b) Transfer shift positon is H |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

## WIRING DIAGRAM



# INSPECTION PROCEDURE

| 1 | Inspect terminal voltage |
|---|---|



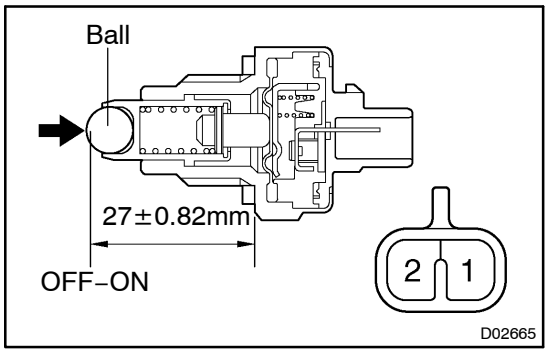

**PREPARATION:**
Turn the ignition switch ON.
**CHECK:**
Measure voltage between terminal TFN of ECM and body ground when transfer shiftlever is shifted to the following position.
**OK:**

| 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–172).**

**NG**

| 2 | Check indicator switch (neutral switch). |
|---|---|




**PREPARATION:**
Remove the transfer 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). |

NG → Repair or replace the harness or connector.

OK →

Check and replace the ECM
(See page IN–34).