

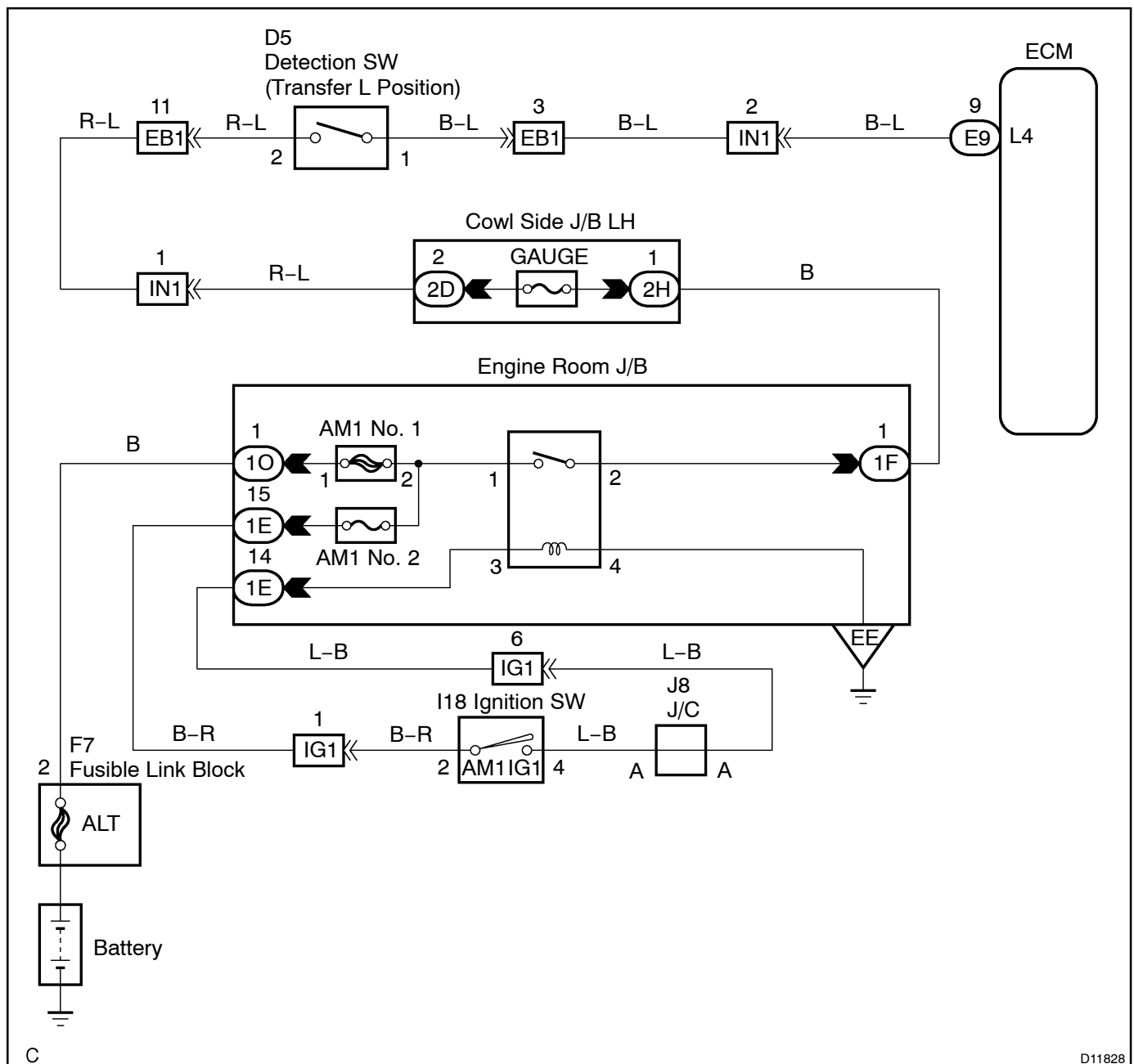
|            |              |                                       |
|------------|--------------|---------------------------------------|
| <b>DTC</b> | <b>P1782</b> | <b>Transfer L4 Switch Malfunction</b> |
|------------|--------------|---------------------------------------|

## CIRCUIT DESCRIPTION

The ECM receive signal L4 from the indicator switch (LOW switch).

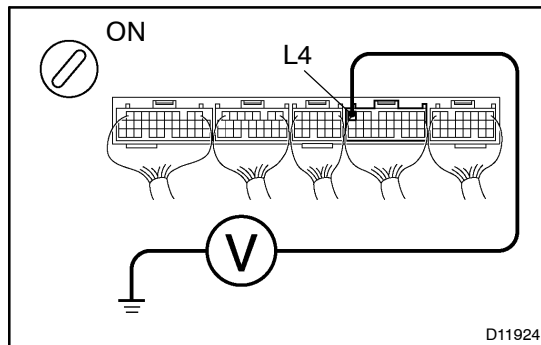
| DTC No. | DTC Detecting Condition                                                                                                                                                                                                | Trouble Area                                                                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P1782   | When driving under conditions (a) and (b) for 18 seconds or more, the indicator switch (LOW switch) is ON .<br>(1-trip detection logic)<br>(a) Output shaft speed 3000 rpm or less<br>(b) Transfer shift position is H | <ul style="list-style-type: none"> <li>• Short in indicator switch (LOW switch) signal circuit</li> <li>• Indicator switch (LOW switch)</li> <li>• ECM</li> </ul> |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 Inspect terminal voltage

**PREPARATION:**

Turn the ignition switch ON.

**CHECK:**

Measure voltage between terminal L4 of ECM and body ground when transfer shifter is shifted to the following position.

**OK:**

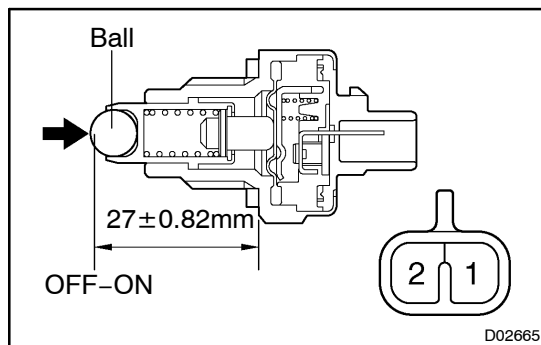
| Transfer shift position | Voltage (V) |
|-------------------------|-------------|
| L                       | 9 – 14      |
| Except L                | Below 1.5   |

OK

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

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## 2 Check indicator switch (LOW switch).

**PREPARATION:**

Remove the indicator switch (LOW 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       |

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Replace the indicator switch (LOW switch)

OK

|   |                                                                |
|---|----------------------------------------------------------------|
| 3 | Check harness and connector (See page <a href="#">IN-34</a> ). |
|---|----------------------------------------------------------------|

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Repair or replace the harness or connector.

OK

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