

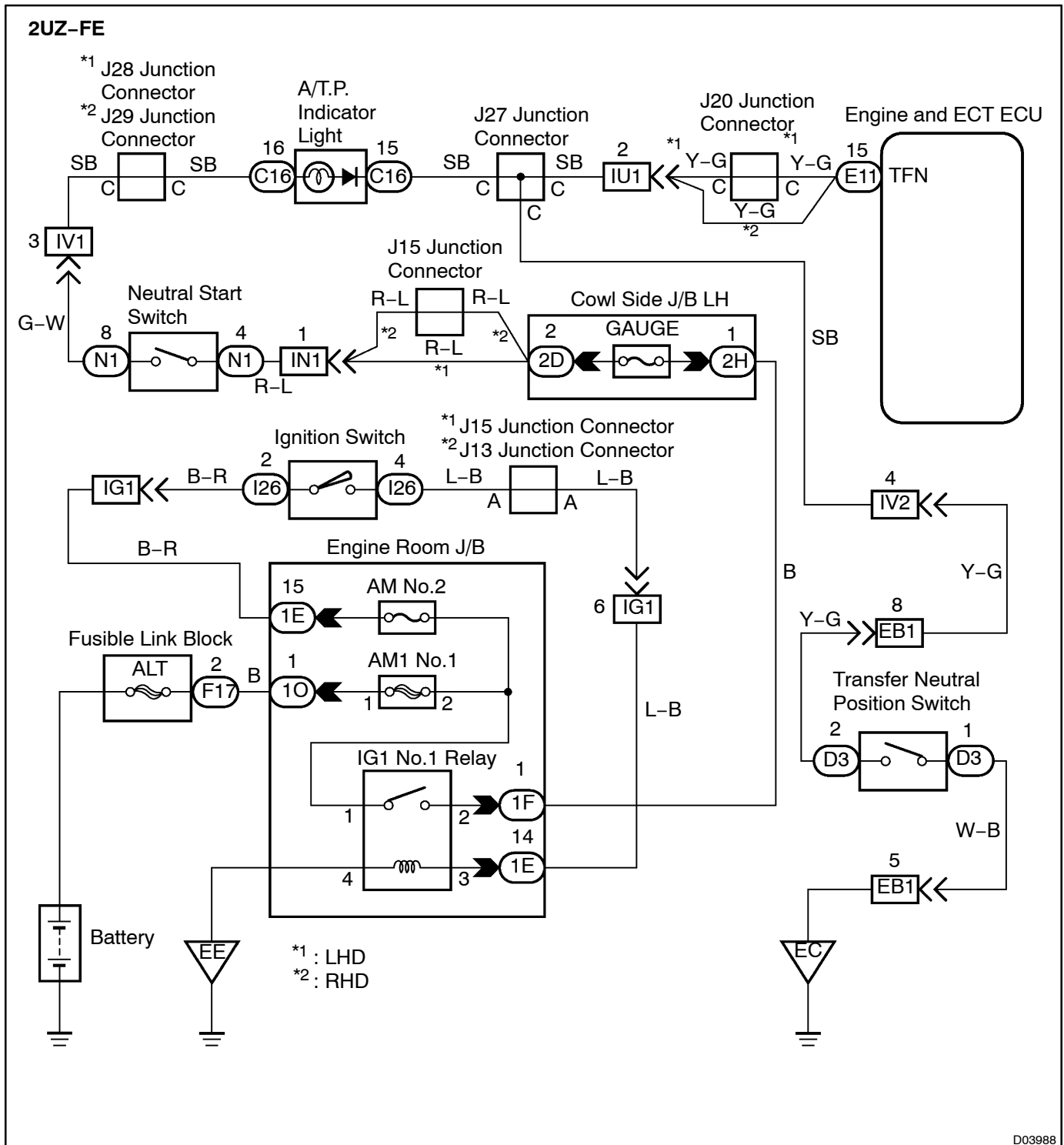
## A/T.P. (Automatic Transmission Parking) Indicator Circuit

## CIRCUIT DESCRIPTION

The propeller shaft and wheels are free even when the transmission shift lever is set to P as long as the transfer shaft lever is in the Neutral position. The A/T.P. indicator light lights up to warn the driver that the propeller shaft and wheels are not locked.

If the A/T.P. indicator light goes on, the transfer shift lever should be shifted out of N range.

## WIRING DIAGRAM



**Wiring Diagram for 1997-2000 Toyota Camry 2.0L 4-cylinder engine**

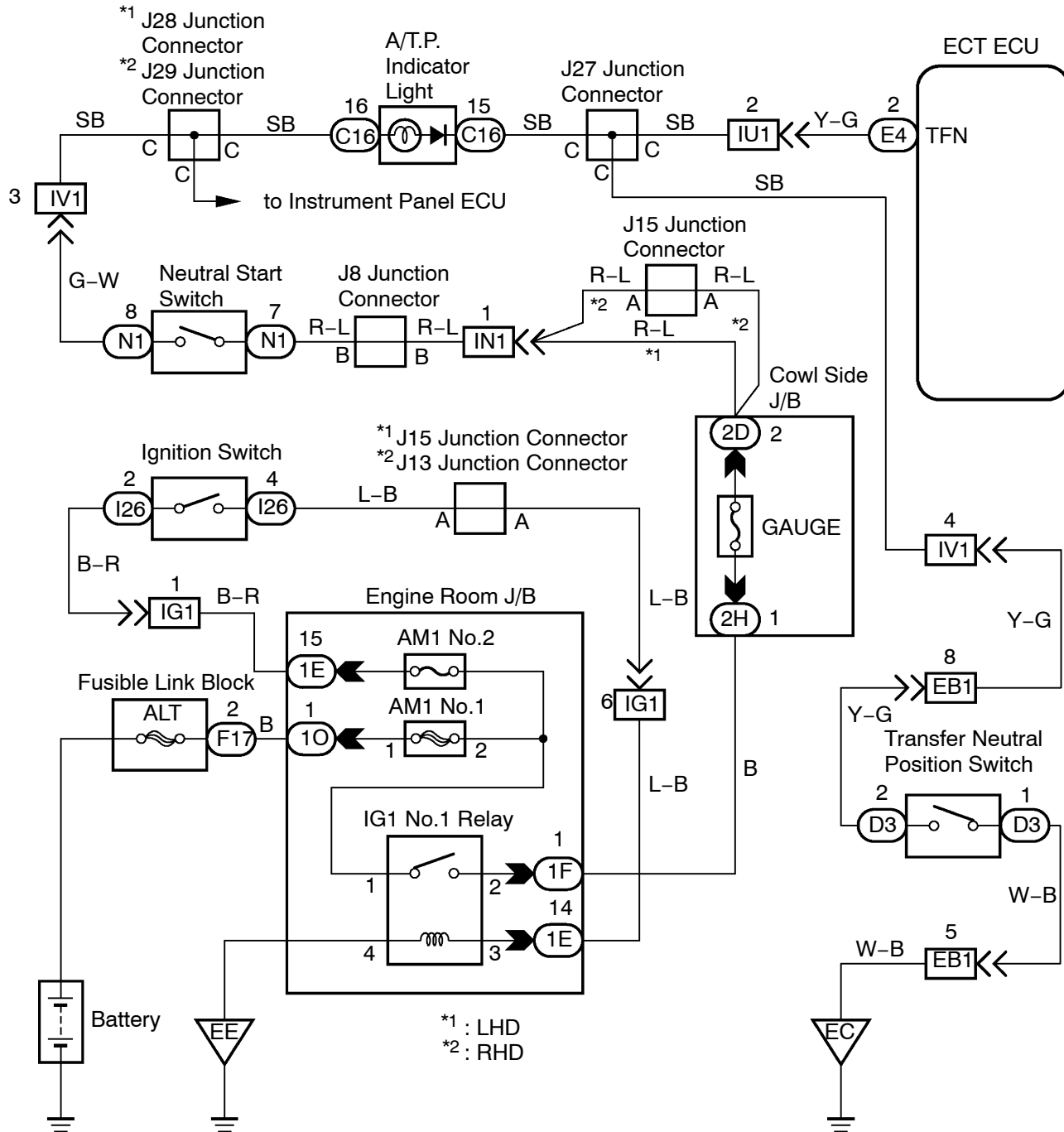
**Legend:**  
 \*1 : LHD  
 \*2 : RHD

**Key Components and Connections:**

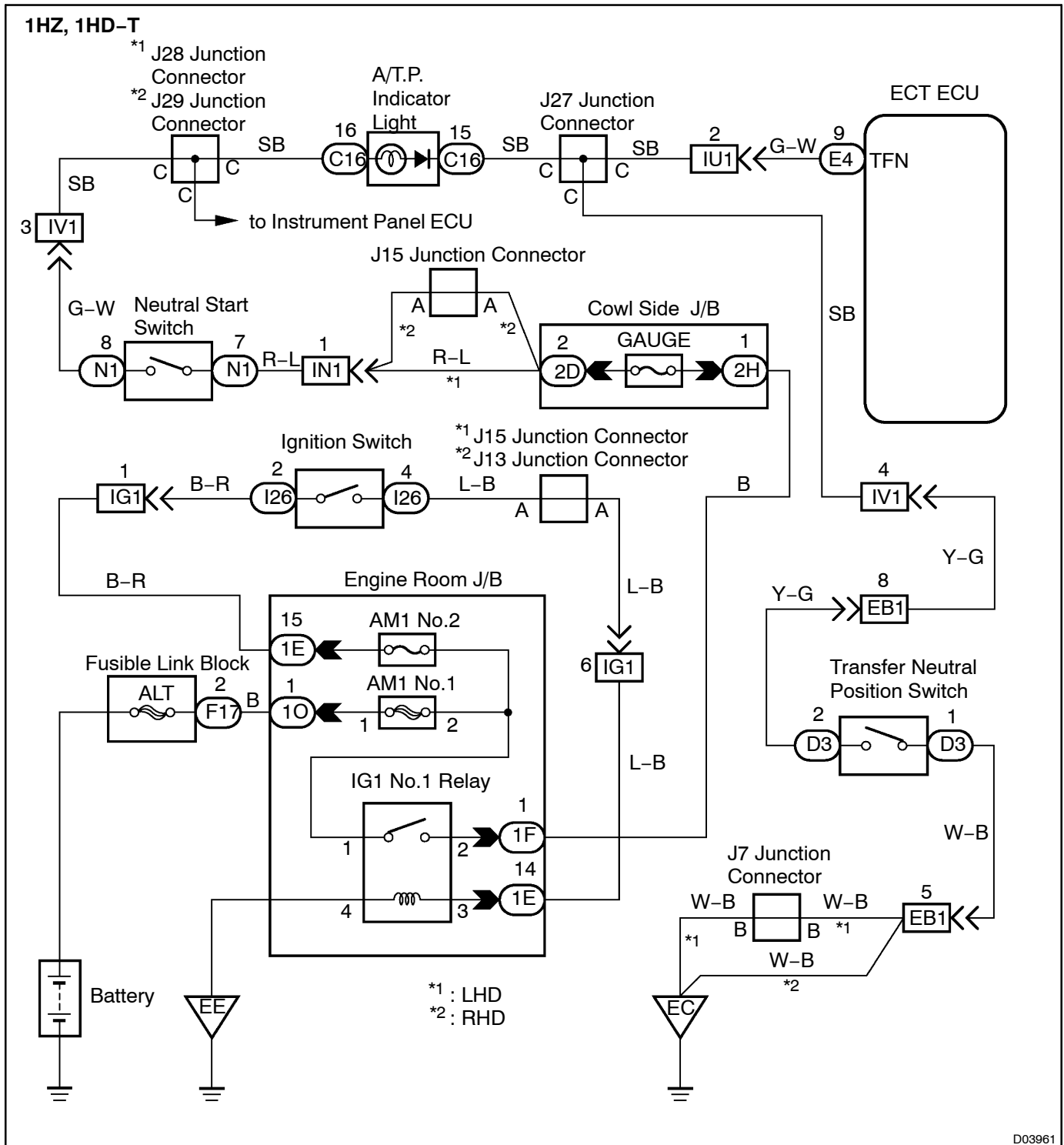
- Battery:** Connected to the engine and ECT ECU.
- Engine and ECT ECU:** Connected to the engine and ECT ECU.
- Instrument Panel ECU:** Connected to the instrument panel.
- Transfer Neutral Position Switch:** Connected to the transfer neutral position switch.
- Ignition Switch:** Connected to the ignition switch.
- Engine Room J/B:** Connected to the engine room junction block.
- Fusible Link Block:** Connected to the fusible link block.
- Neutral Start Switch:** Connected to the neutral start switch.
- A/T.P. Indicator Light:** Connected to the A/T.P. indicator light.
- Engine and ECT ECU:** Connected to the engine and ECT ECU.

LAND CRUISER (W/G) (RM616E)

## 1HD-FTE

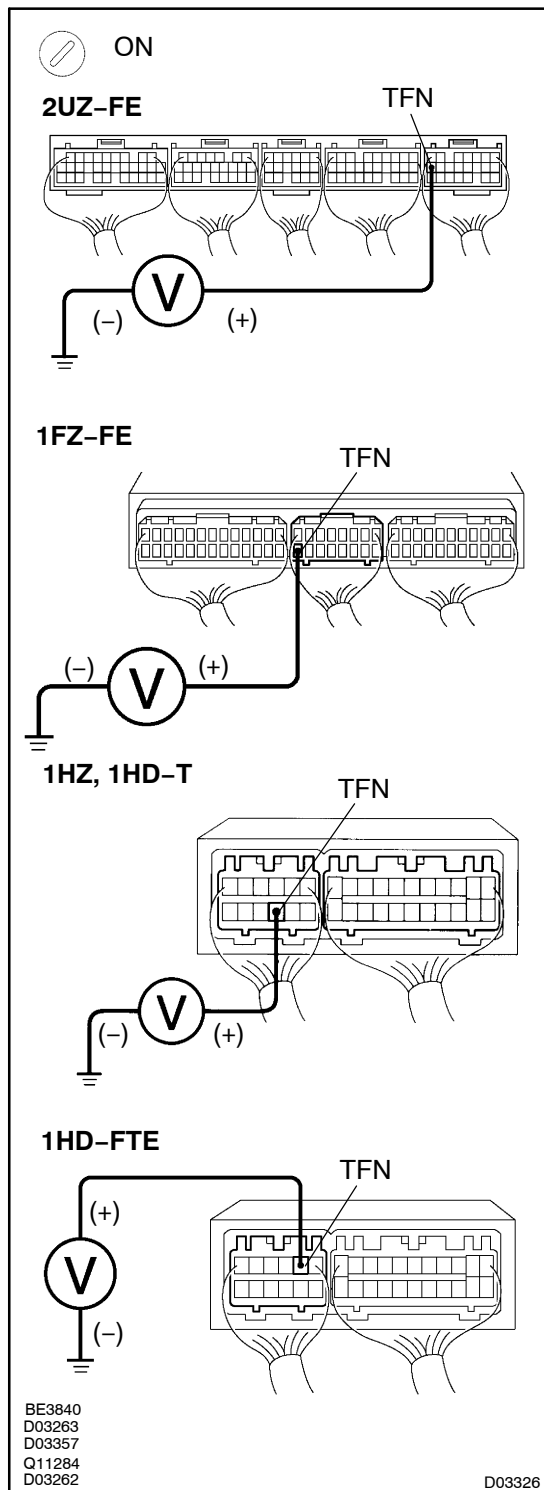


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## INSPECTION PROCEDURE

- |   |                                                                                             |
|---|---------------------------------------------------------------------------------------------|
| 1 | <b>Check voltage between terminal TFN of Engine and ECT ECU or ECT ECU and body ground.</b> |
|---|---------------------------------------------------------------------------------------------|

**PREPARATION:**

- (a) Remove the glove compartment door  
(See page BO-127).
- (b) Turn the ignition switch ON.

**CHECK:**

Check voltage between terminal TFN of Engine and ECT ECU or ECT ECU and body ground.

**OK:**

| Transfer shift lever position | Voltage     |
|-------------------------------|-------------|
| N position                    | Below 1.5 V |
| Except N position             | 9.0 - 14 V  |

OK

Proceed to next circuit inspection shown in symptom problems table (See page DI-108).

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LAND CRUISER (W/G) (RM616E)

**2** Check neutral start switch ([See page DI-151](#)).

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Replace the neutral start switch.

OK

**3** Check transfer neutral position switch (Full – Time 4WD: [See page TR-10](#), Part – Time 4WD: [TR-13](#)).

OK

Replace the transfer neutral position switch.

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**4** Check combination meter ([See page BE-2](#)).

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Repair or replace the combination meter.

OK

**5** Check harness and connector between battery and neutral start switch, neutral start switch and combination meter, combination meter and ECU, ECU and transfer neutral position switch ([See page IN-35](#)).

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Repair or replace harness or connector.

OK

Check and replace Engine and ECT ECU or ECT ECU ([See page IN-35](#)).