

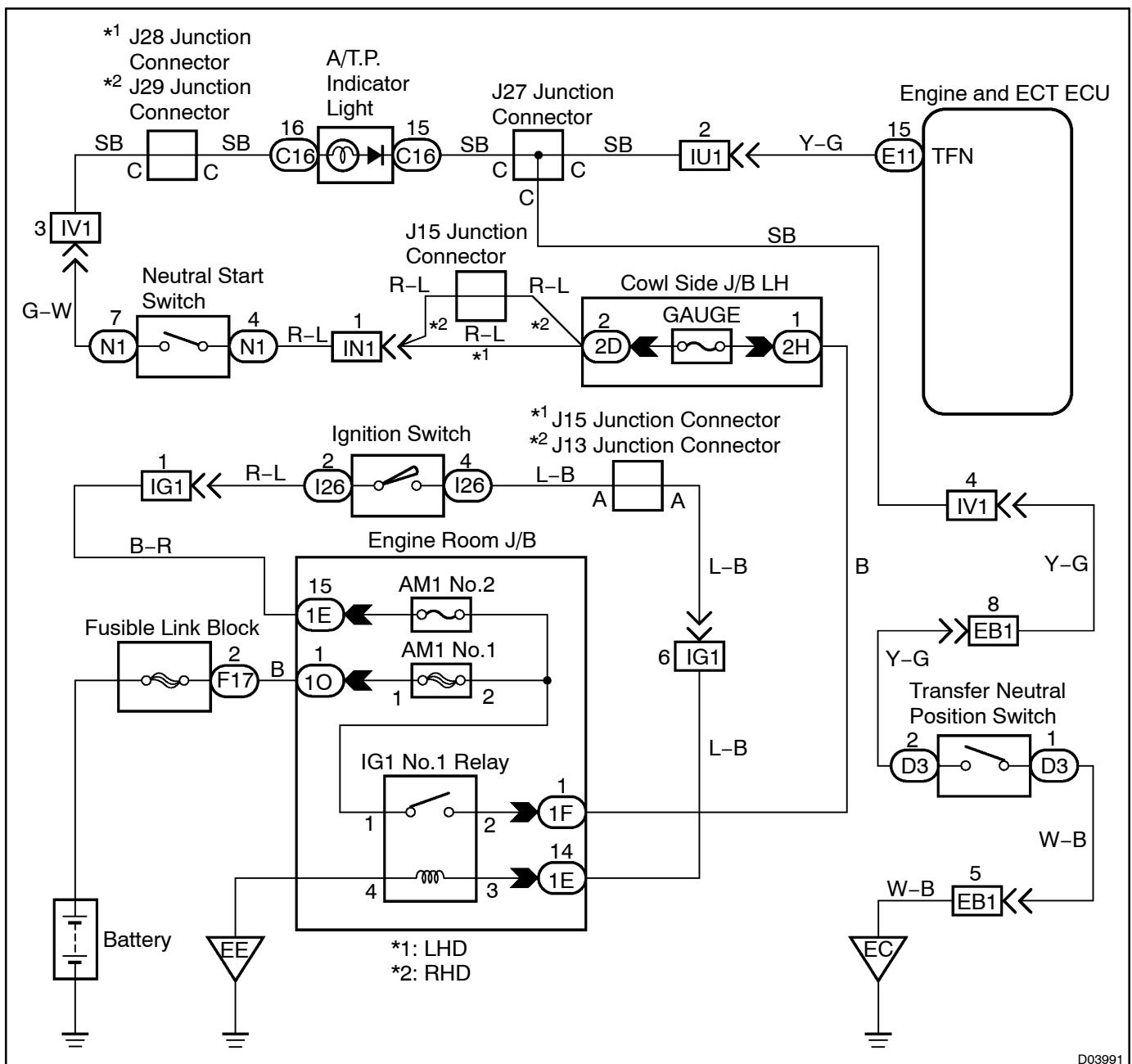
A/T. P. (Automatic Transmission Parking) Indicator Circuit

CIRCUIT DESCRIPTION

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

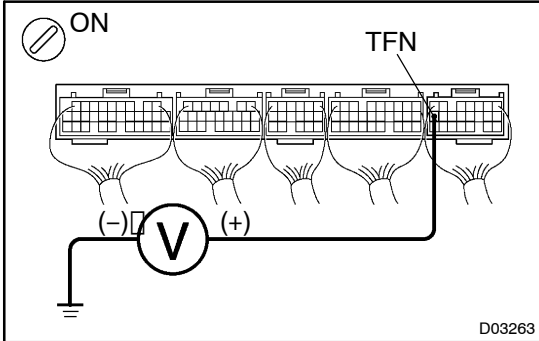
If the A/T.P. indicator light stays on, the transfer shift lever should be shifted out of N range.

WIRING DIAGRAM



INSPECTION PROCEDURE

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

**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 and body ground.

OK:

9.0 – 14 V

OK

Proceed to next circuit inspection shown in symptom problems table (See page DI-22).

NG

- 2 Check neutral start switch (See page DI-51).

NG

Replace the neutral start switch.

OK

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

OK

Replace the neutral position switch.

NG

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

NG

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](#)).

NG

Repair or replace harness or connector.

OK

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