DIAVS−01
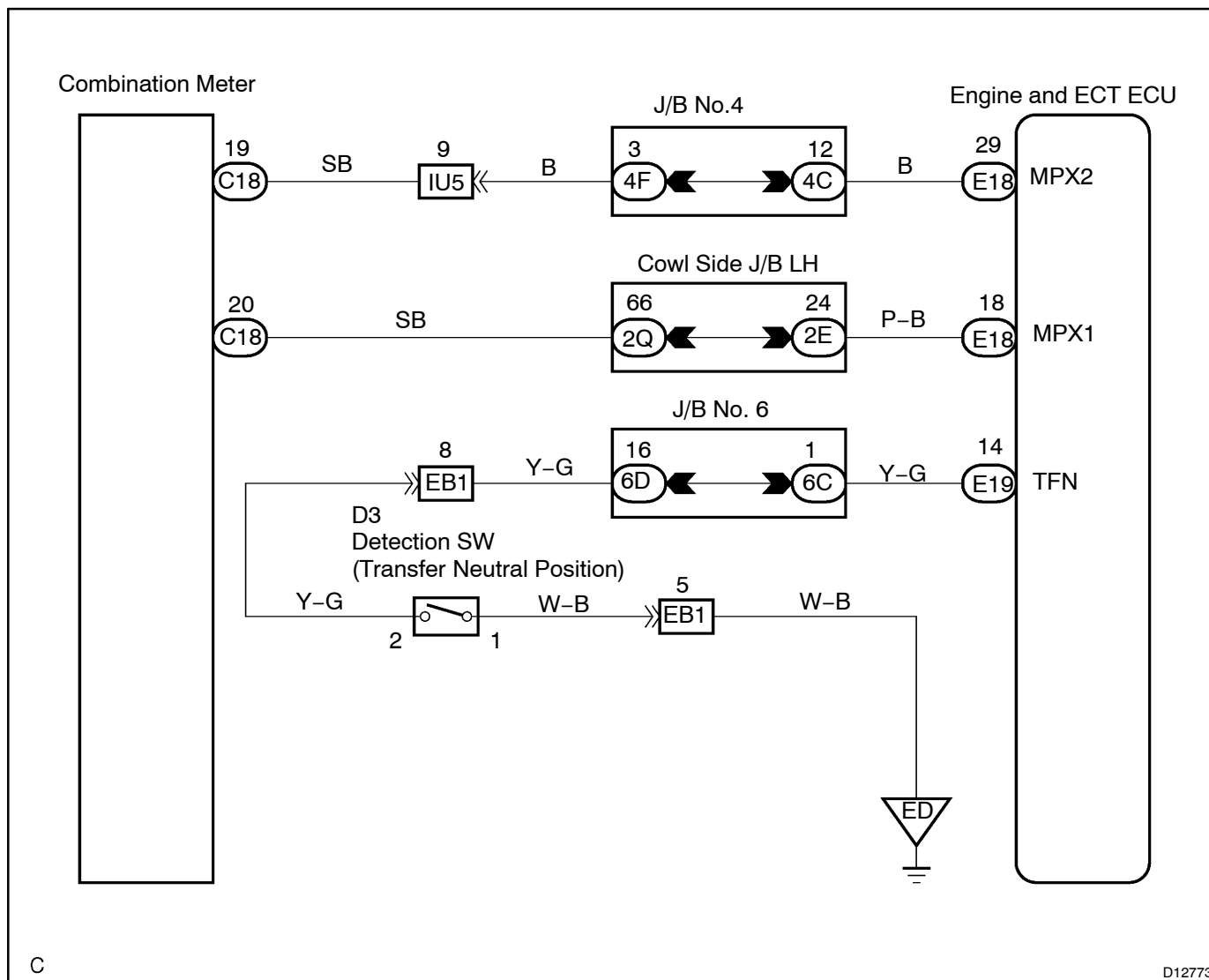
A/T. P. (Automatic Transmission Parking) Indicator Circuit

CIRCUIT DESCRIPTION

The propeller shaft and wheels are free even when the transmission shift lever is set to P as long as the transfer shift lever is in Neutral range. 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 to the ranges other than N range.

WIRING DIAGRAM

INSPECTION PROCEDURE
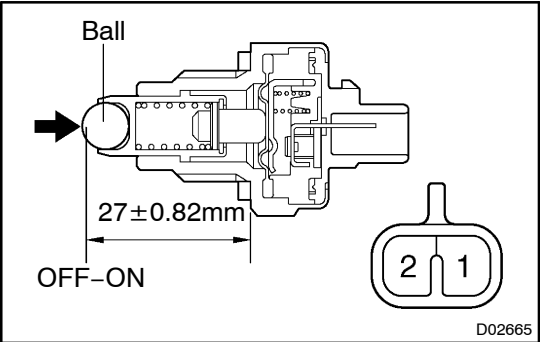
1	Check Neutral start switch (See page DI–156).

> NG ▷ **Replace the Neutral start switch.**

OK

2	Check transfer neutral position switch.

Ball

27±0.82mm

OFF–ON

2 1

D02665

PREPARATION:
Remove the transfer neutral position switch.
CHECK:
Check the continuity between the switch terminals when pushing the ball at the tip of the switch.
OK:

Switch	Specified condition
Push	Continuity
Free	No continuity

> NG ▷ **Replace the transfer neutral position switch.**

OK

3	Check harness and connector between Engine and ECT ECU and transfer neutral position switch, transfer neutral position switch and body ground (See page IN–38).

> NG ▷ **Repair or replace the harness or connector.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–119).