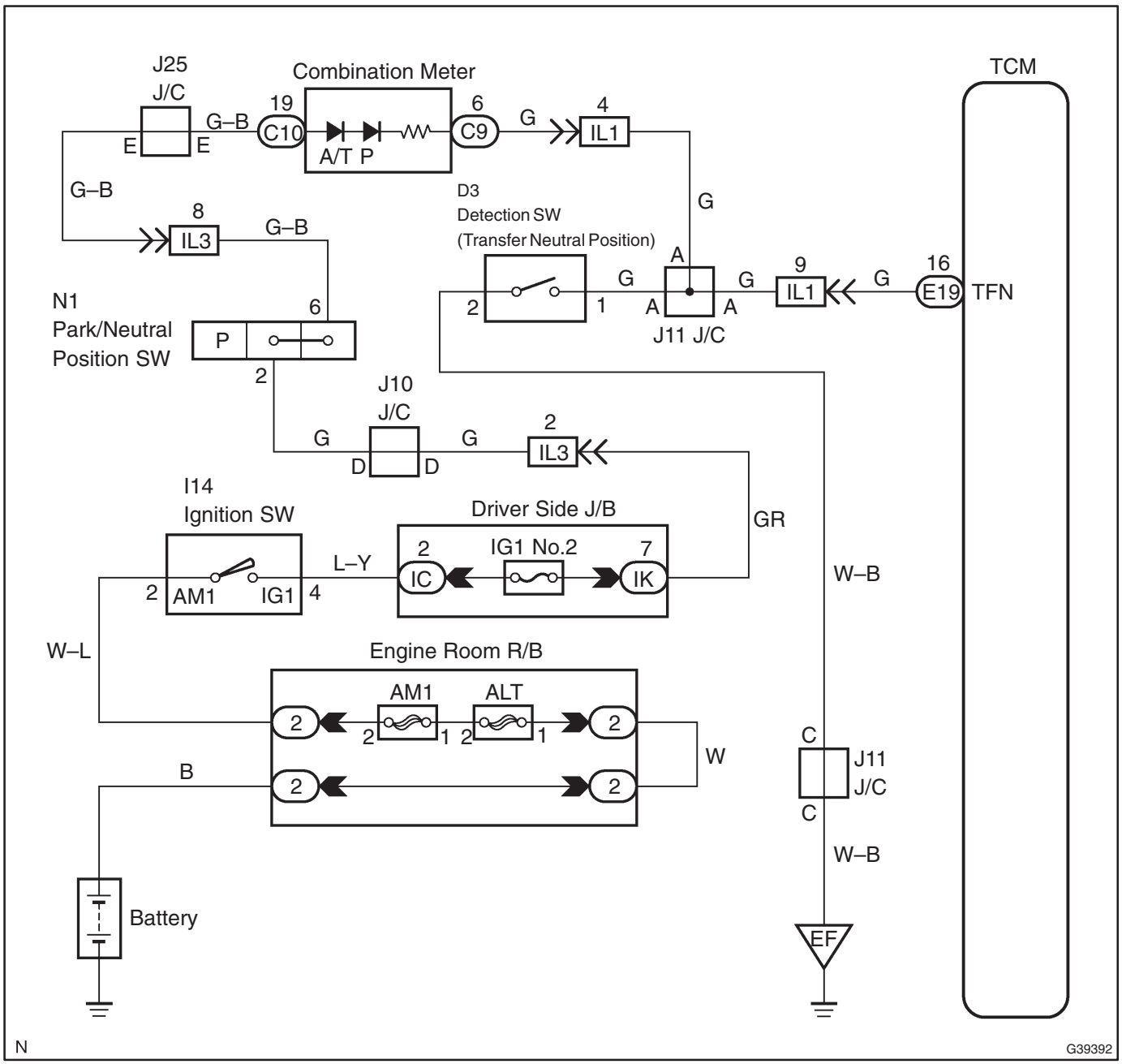
A/T.P. INDICATOR CIRCUIT

CIRCUIT DESCRIPTION

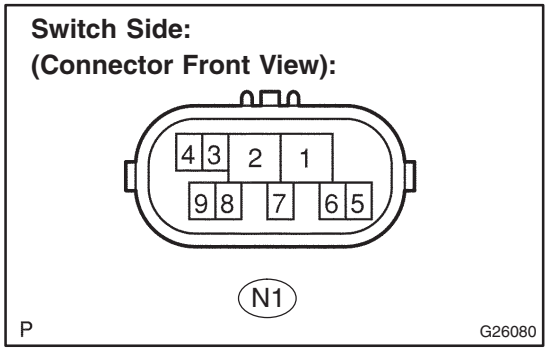
The propeller shaft and wheels are free even when the transmission shift lever is set to P as long as the transfer shift lever is in Neutral position. The A/T.P. indicator light lights up to warn the driver that the propeller shaft and wheels are not locked.
If the A/T.P. indicator light comes on, the transfer shift lever should be shifted out of N position.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT PARK/NEUTRAL POSITION SWITCH ASSY



(a) Jack up the vehicle.
(b) Disconnect the park/neutral position switch connector.
(c) Measure the resistance according to the value(s) in the table below when the shift lever is moved to each position.

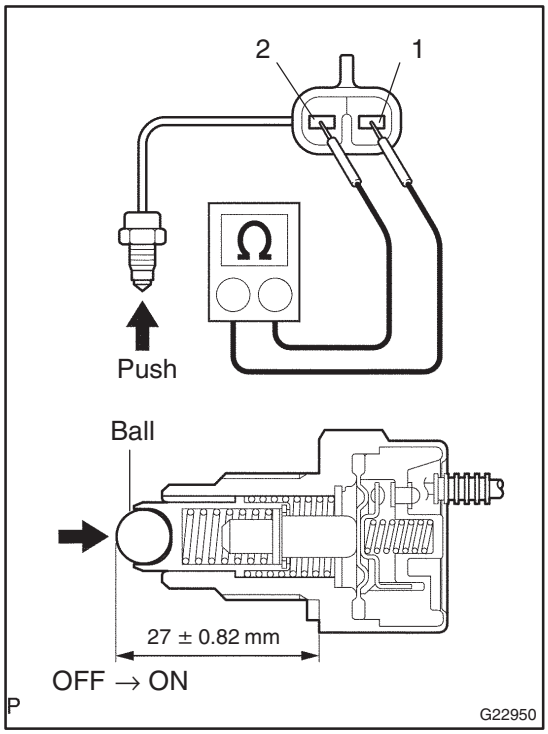
Standard:

Shift Position	Tester Connection	Specified Condition
P	2 – 6	Below 1 Ω
Except P	↑	10 kΩ or higher

NG → **REPLACE PARK/NEUTRAL POSITION SWITCH ASSY (SEE PAGE 40–14)**

OK

2 INSPECT TRANSFER INDICATOR SWITCH NO.2 (TRANSFER NEUTRAL POSITION SWITCH)



(a) Remove the transfer indicator switch No.2.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Switch position	Tester Connection	Specified Condition
Free	1 – 2	10 kΩ or higher
Pushed in	↑	Below 1 Ω

NG → **REPLACE TRANSFER INDICATOR SWITCH NO.2 (TRANSFER NEUTRAL POSITION SWITCH)**

OK

3	INSPECT COMBINATION METER ASSY

(a) See the combination meter troubleshooting section on page 05–1416.

NG → REPLACE COMBINATION METER ASSY

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01–36)