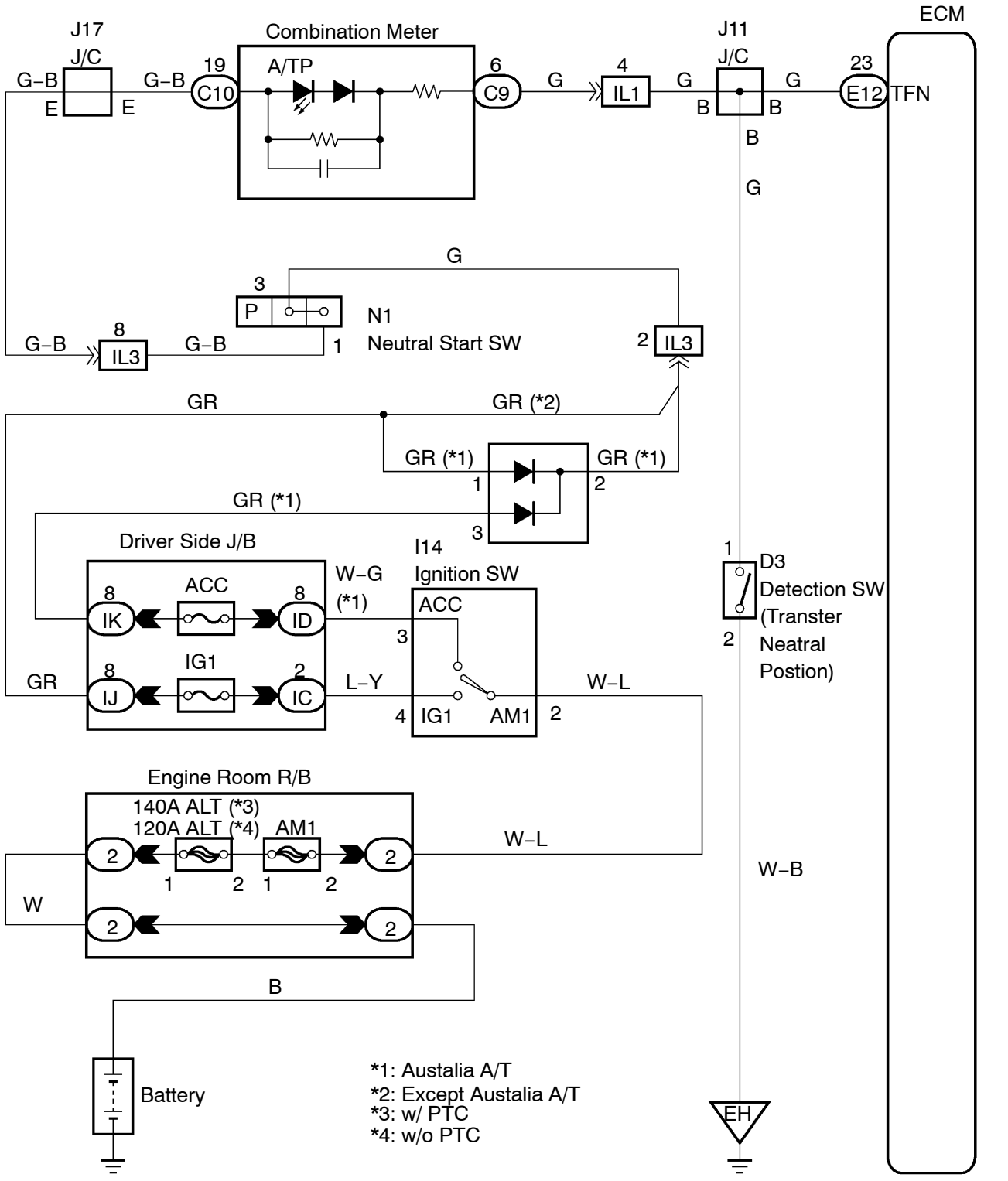
A/T.P. INDICATOR CIRCUIT

CIRCUIT DESCRIPTION

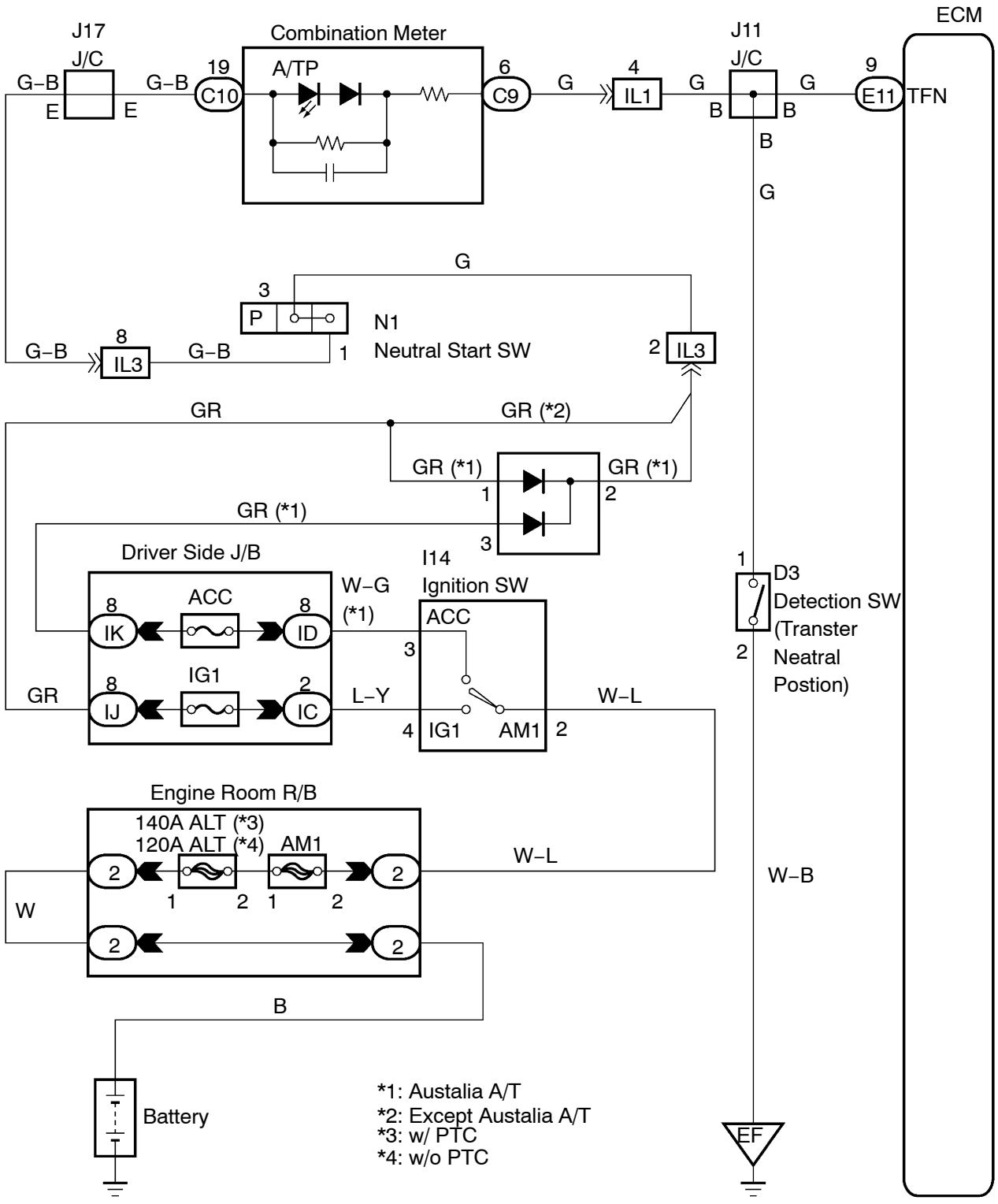
The propeller shaft and wheels are free even when the transmission shift lever is set to P as long as the transfer shift lever is in Neutral position. The A/T.P. indicator light lights up to warn the drive that the propeller shaft and wheels are not locked.
If the A/T.P. indicator light goes on, the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

WIRING DIAGRAM

1KZ–TE:



1KD–FTV:


ECM
J17
J/C
Combination Meter
J11
J/C
G–B
E
G–B
19
C10
A/TP
6
C9
G
4
IL1
G
B
G
9
E11
TFN
B
G
G
3
P
N1
Neutral Start SW
8
IL3
G–B
G–B
1
2
IL3
GR
GR (*2)
GR (*1)
GR (*1)
1
2
3
GR (*1)
Driver Side J/B
I14
Ignition SW
W–G
(*1)
8
IK
ACC
8
ID
ACC
3
8
IJ
IG1
2
IC
GR
L–Y
W–L
4
IG1
AM1
2
1
D3
Detection SW
(Transter
Neatral
Postion)
2
Engine Room R/B
140A ALT (*3)
120A ALT (*4)
AM1
2
2
1
2
1
2
W–L
W
2
2
W–B
B
Battery
*1: Austalia A/T
*2: Except Australia A/T
*3: w/ PTC
*4: w/o PTC
EF
C
G22063

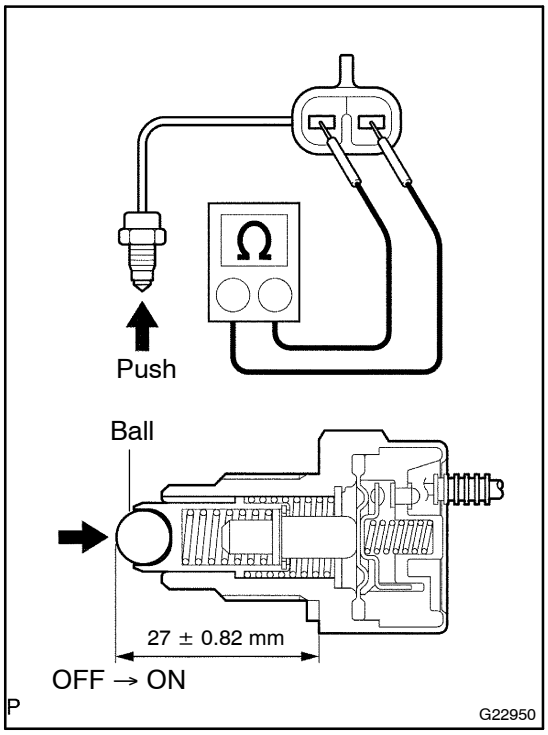
INSPECTION PROCEDURE

1	INSPECT PARK/NEUTRAL POSITION SWITCH ASSY(See page 05–1006)

NG → REPLACE PARK/NEUTRAL POSITION SWITCH ASSY(See page 40–3)

OK

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



(a) Remove the transfer indicator switch No.2.
(b) 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 TRANSFER INDICATOR SWITCH NO.2(TRANSFER NEUTRAL POSITION SWITCH)

OK

3	INSPECT COMBINATION METER ASSY(See page 05–1559)

NG → REPLACE COMBINATION METER ASSY (See page 71–24)

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01–36)