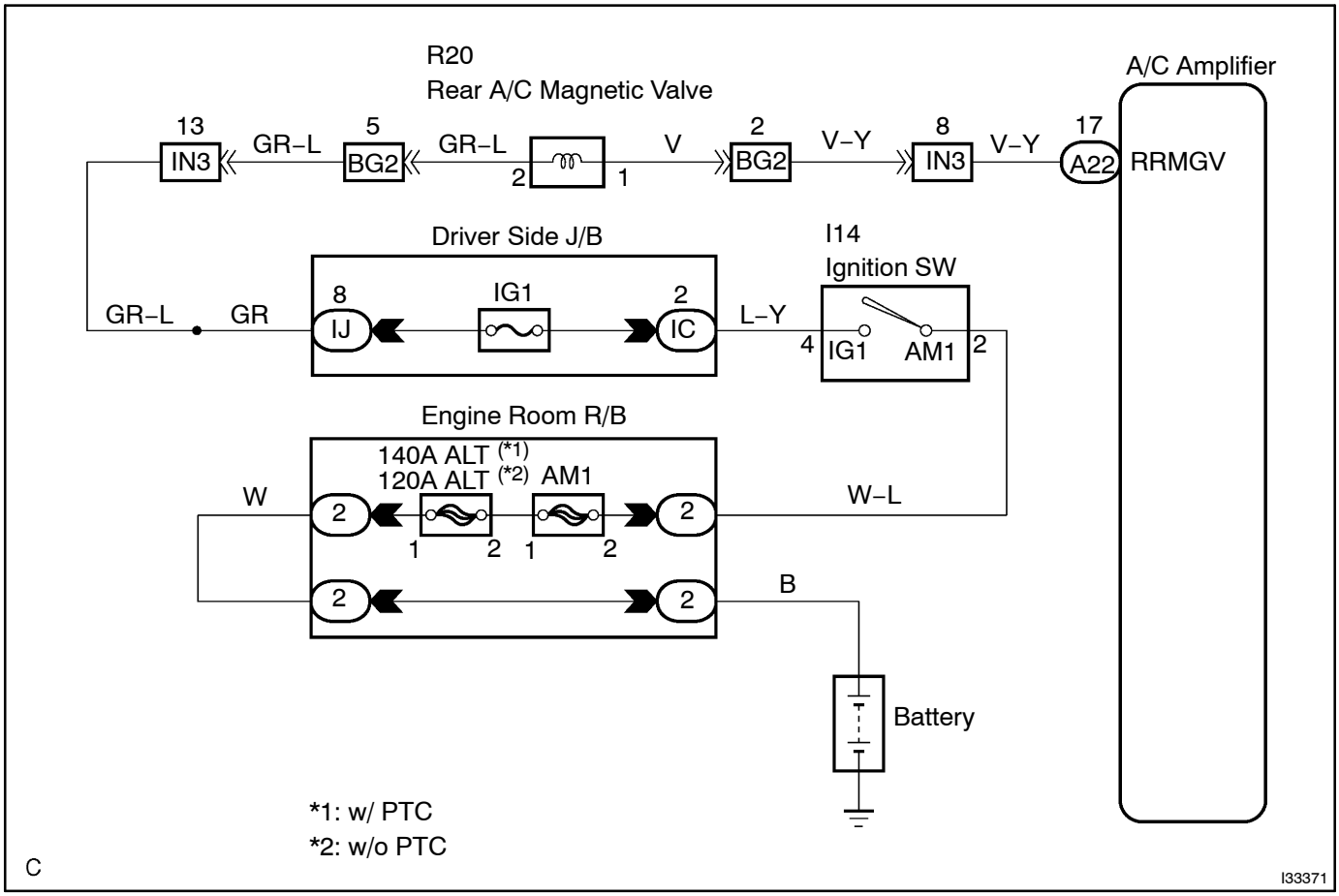
REAR MAGNETIC VALVE CIRCUIT

CIRCUIT DESCRIPTION

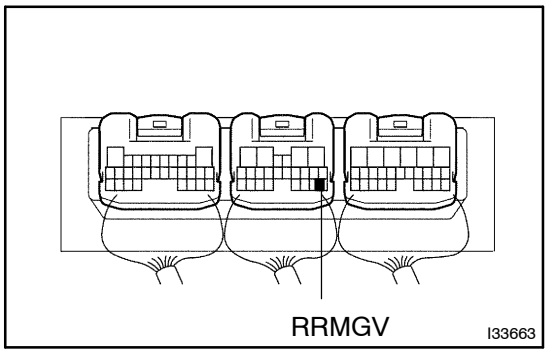
The rear magnetic valve is controlled by A/C amplifier and rear A/C switch operation.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT AIR CONDITIONING AMPLIFIER(RRMGV)

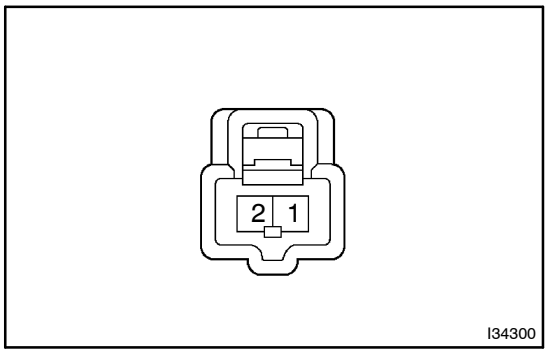


(a) Remove A/C amplifier with being connected.
(b) Turn ignition switch ON.
(c) Rear cooler SW ON.
(d) Measure voltage between terminal RRMGV of A/C amplifier connector and body ground.
OK:
Voltage: Below 1.0 V

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE**

NG

2 CHECK REAR COOLING UNIT EXPANSION VALVE



(a) Remove the rear cooling unit expansion valve.
(1) Check the air passage through the valve with and without the battery positive voltage applied between terminals as shown in the chart.
Standard:

Condition	Air passage
Apply B+ between terminals	Free passage
Not apply B+ between terminals	No passage

NG → **REPLACE REAR COOLING UNIT EXPANSION VALVE**

OK

3 CHECK HARNESS AND CONNECTOR(A/C AMPLIFIER – BATTERY)

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER