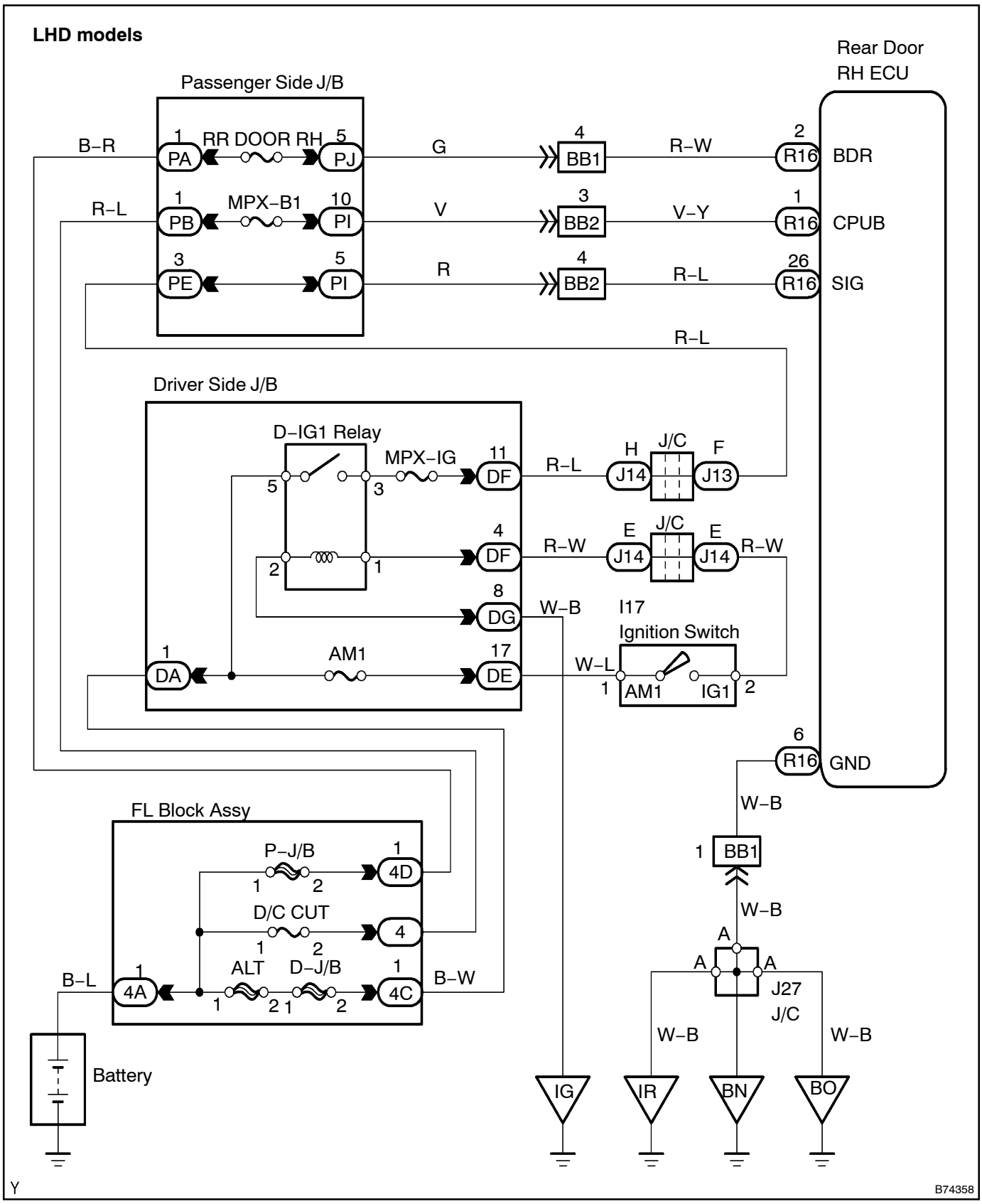
REAR DOOR RH ECU POWER SOURCE CIRCUIT

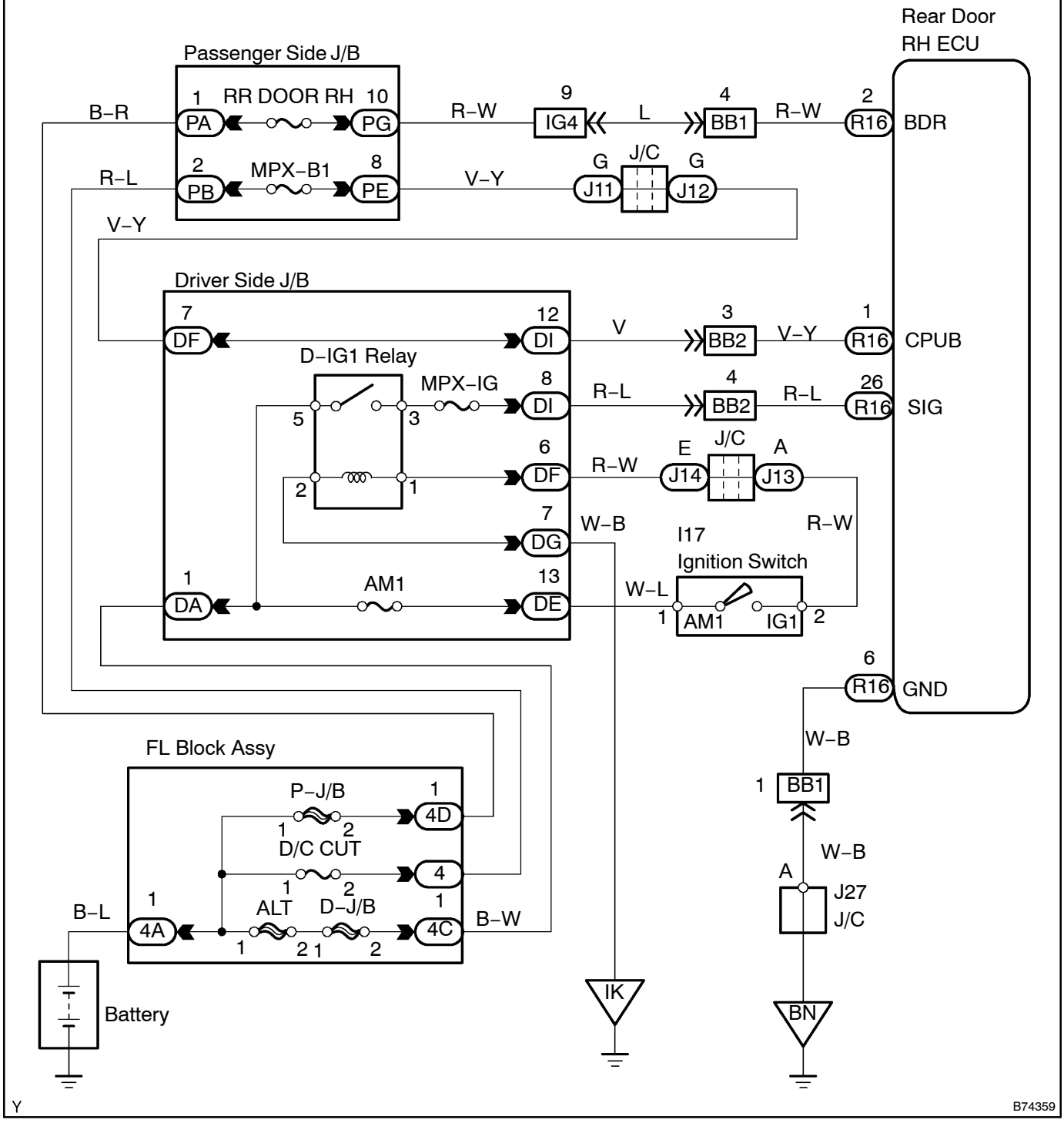
CIRCUIT DESCRIPTION

This circuit supplies power to operate the rear right door ECU.

WIRING DIAGRAM



RHD models


Rear Door RH ECU
Passenger Side J/B
1 RR DOOR RH 10
PA
PG
B–R
R–W
9
IG4
L
4
BB1
R–W
2
R16
BDR
2 MPX–B1 8
PB
PE
R–L
V–Y
G J/C G
J11
J12
V–Y
Driver Side J/B
7
DF
12
DI
V
3
BB2
V–Y
1
R16
CPUB
D–IG1 Relay
MPX–IG
8
DI
R–L
4
BB2
R–L
26
R16
SIG
5
3
2
1
6
DF
R–W
E J/C A
J14
J13
7
DG
W–B
R–W
I17
Ignition Switch
1
DA
AM1
13
DE
W–L
1 AM1 IG1 2
6
R16
GND
FL Block Assy
P–J/B
1
4D
1
2
D/C CUT
4
1
2
B–L
1
4A
ALT
D–J/B
1
4C
B–W
1
2 1
2
Battery
IK
W–B
1
BB1
W–B
A
J27
J/C
BN
Y
B74359

INSPECTION PROCEDURE

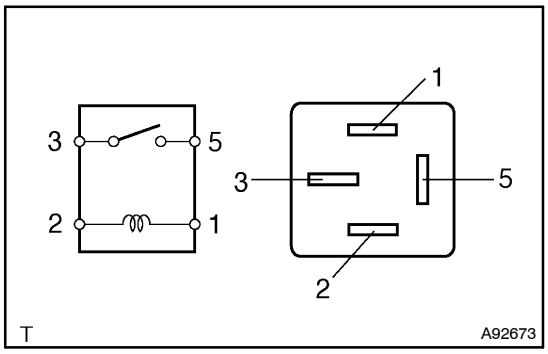
1 CHECK FUSE (RR DOOR RH, MPX–B1, MPX–IG, AM1)

(a) Remove the RR DOOR RH and MPX–B1 fuses from the passenger side J/B.
(b) Remove the MPX–IG and AM1 fuses from the driver side J/B.
(c) Measure the resistance.
Standard: Below 1 Ω

NG → REPLACE FUSE

OK

2 INSPECT RELAY (D–IG1)



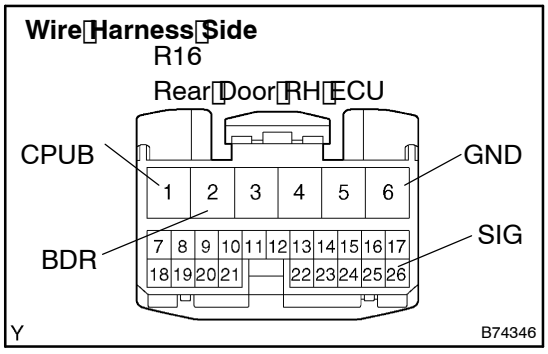
(a) Remove the D–IG1 relay from the driver side J/B.
(b) Check the resistance.
Standard:

Tester Connection	Specified Condition
3 – 5	10 kΩ or higher
3 – 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG → REPLACE RELAY

OK

3 CHECK WIRE HARNESS (REAR DOOR RH ECU – BODY GROUND)



(a) Disconnect the R16 ECU connector.
(b) Measure the voltage and resistance between the wire harness side connector and body ground.
Standard:

Tester Connection	Condition	Specified Condition
R16–1 (CPUB) – Body ground	Constant	10 to 14 V
R16–2 (BDR) – Body ground	Constant	10 to 14 V
R16–6 (GND) – Body ground	Constant	Below 1 Ω
R16–26 (SIG) – Body ground	Ignition switch ON	19 to 14 V

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(See page 05–2703)