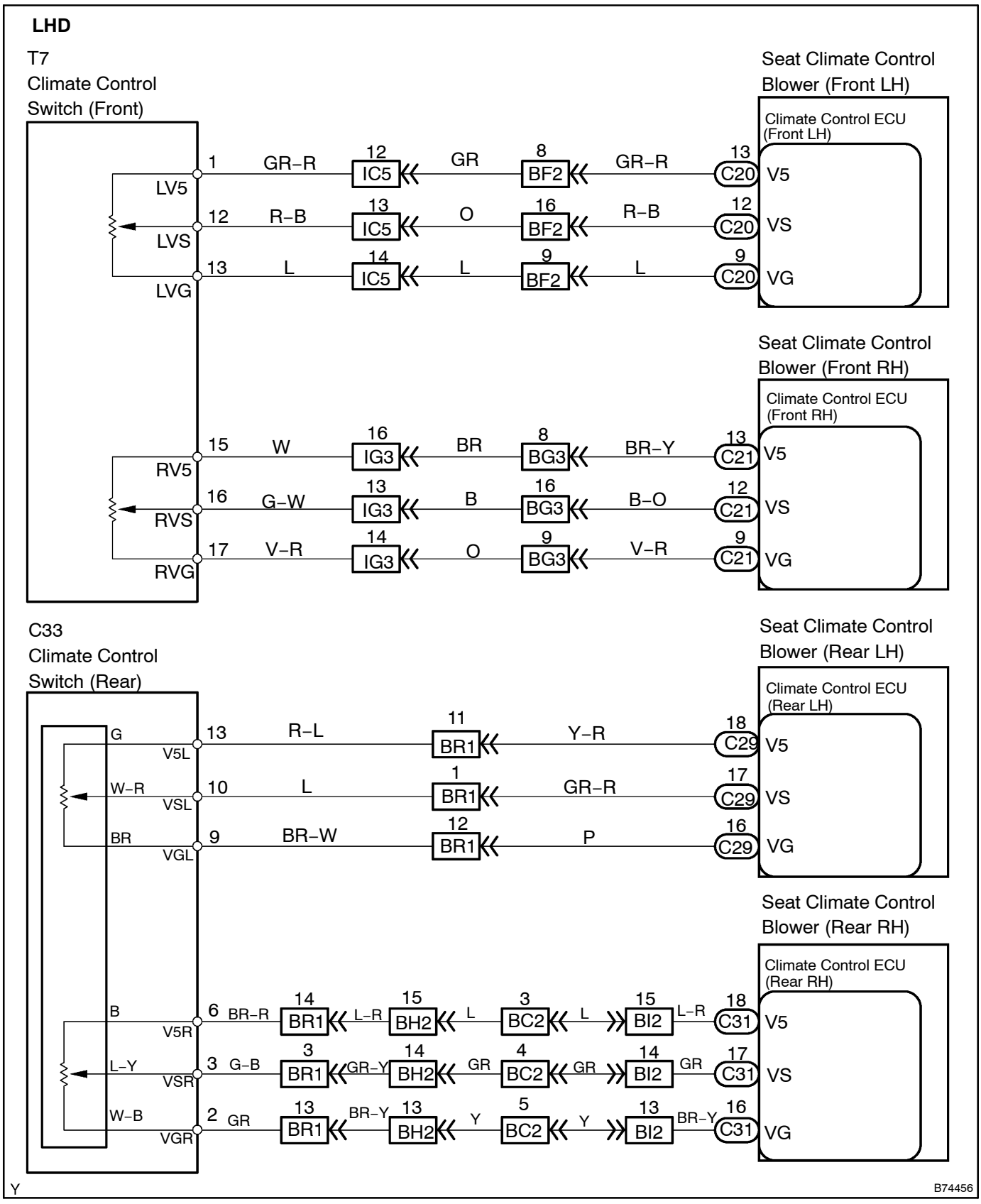
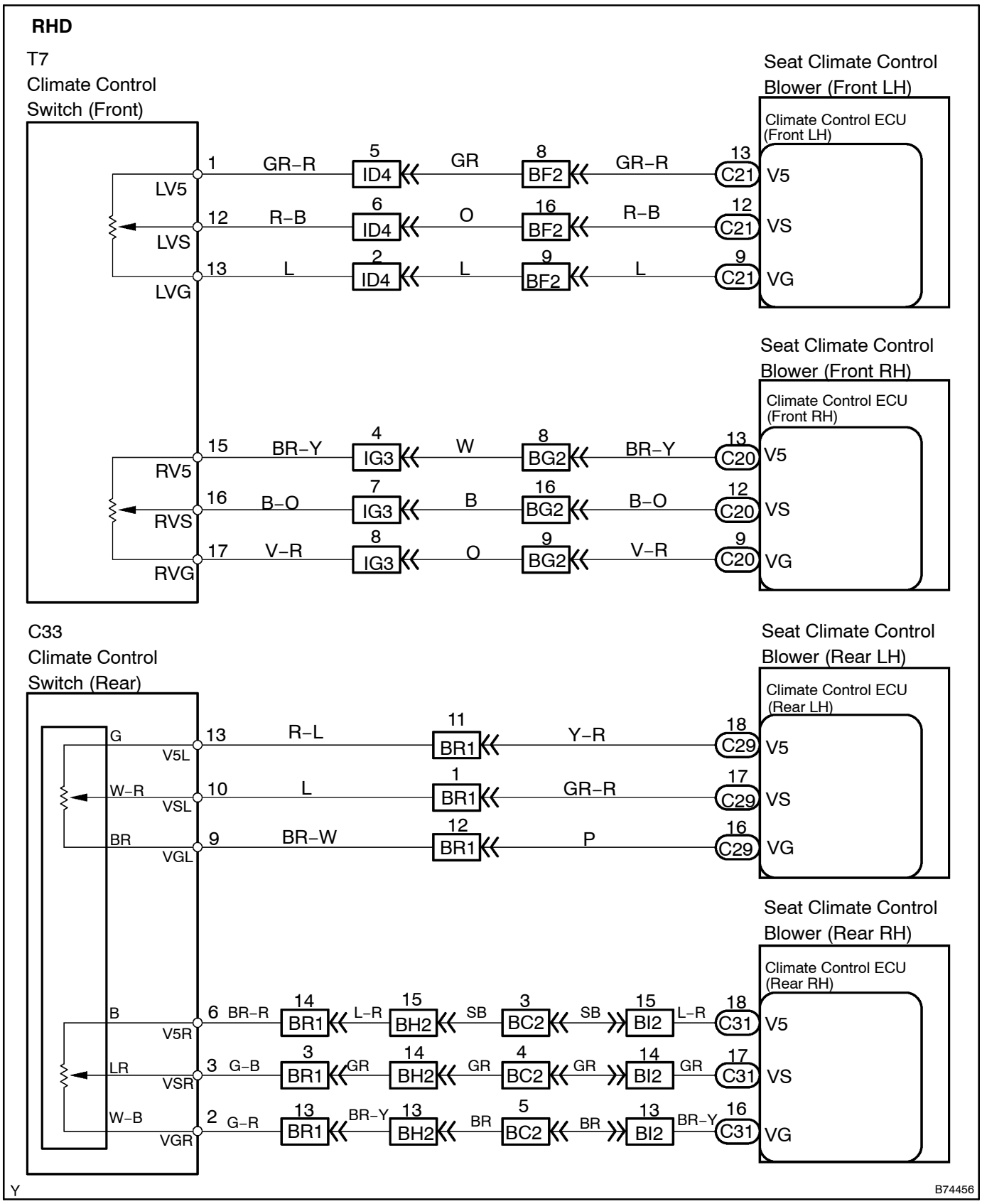
CLIMATE CONTROL DOES NOT OPERATE (BLINKING PATTERN 2)

CIRCUIT DESCRIPTION

When the climate control switch's volume control circuit is open or short circuited and abnormal codes are input to the VS terminal, all output will be stopped and the indicator illuminates according to blinking pattern 2.

WIRING DIAGRAM




RHD
T7
Climate Control
Switch (Front)
Seat Climate Control
Blower (Front LH)
Climate Control ECU
(Front LH)
LV5
LVS
LVG
1 GR–R 5 ID4 GR 8 BF2 GR–R 13 C21 V5
12 R–B 6 ID4 O 16 BF2 R–B 12 C21 VS
13 L 2 ID4 L 9 BF2 L 9 C21 VG
Seat Climate Control
Blower (Front RH)
Climate Control ECU
(Front RH)
RV5
RVS
RVG
15 BR–Y 4 IG3 W 8 BG2 BR–Y 13 C20 V5
16 B–O 7 IG3 B 16 BG2 B–O 12 C20 VS
17 V–R 8 IG3 O 9 BG2 V–R 9 C20 VG
C33
Climate Control
Switch (Rear)
Seat Climate Control
Blower (Rear LH)
Climate Control ECU
(Rear LH)
G
V5L
W–R
VSL
BR
VGL
13 R–L 11 BR1 Y–R 18 C29 V5
10 L 1 BR1 GR–R 17 C29 VS
9 BR–W 12 BR1 P 16 C29 VG
Seat Climate Control
Blower (Rear RH)
Climate Control ECU
(Rear RH)
B
V5R
LR
VSR
W–B
VGR
6 BR–R 14 BR1 L–R 15 BH2 SB 3 BC2 SB 15 BI2 L–R 18 C31 V5
3 G–B 3 BR1 GR 14 BH2 GR 4 BC2 GR 14 BI2 GR 17 C31 VS
2 G–R 13 BR1 BR–Y 13 BH2 BR 5 BC2 BR 13 BI2 BR–Y 16 C31 VG
Y
B74456

INSPECTION PROCEDURE

1 CHECK CLIMATE CONTROL SWITCH (INDICATOR)

(a) Check that the climate control indicator is blinking.

Result	Proceed to
If front climate control switch indicator is blinking	A
If rear climate control switch indicator is blinking	B

B → **Go to step 4**

A

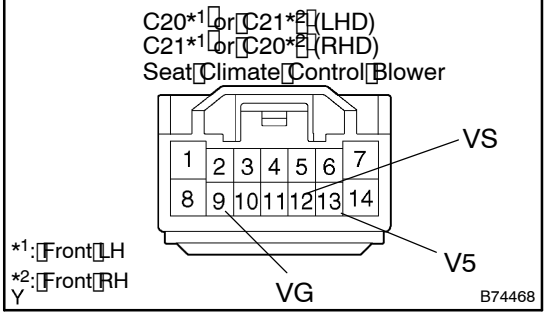
2 INSPECT CLIMATE CONTROL SWITCH (FRONT) (See page 05–2506)

NG → **REPLACE CLIMATE CONTROL SWITCH**

OK

3 CHECK WIRE HARNESS (SEAT CLIMATE CONTROL BLOWER (CLIMATE CONTROL ECU) – CLIMATE CONTROL SWITCH)

Wire Harness Side



HINT:
When the front LH indicator is blinking, check the front LH connector. When the front RH indicator blinking, check the front RH connector.

(a) Disconnect the C20 or C21 blower connectors.

(b) Measure the resistance of the wire harness side connector.

Standard:

Front LH (LHD)
Front RH (RHD)

Tester Connection	Condition	Specified Condition
C20–12 (VS) – C20–13 (V5)	MAX. WARM → MAX. COOL	0 → 5 kΩ
C20–9 (VG) – C20–12 (VS)	MAX. COOL → MAX. WARM	0 → 5 kΩ

Front RH (LHD)
Front LH (RHD)

Tester Connection	Condition	Specified Condition
C21–12 (VS) – C21–13 (V5)	MAX. WARM → MAX. COOL	0 → 5 kΩ
C21–9 (VG) – C21–12 (VS)	MAX. COOL → MAX. WARM	0 → 5 kΩ

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

OK

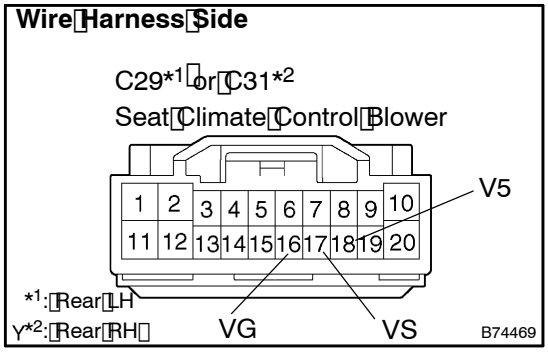
REPLACE SEAT CLIMATE CONTROL BLOWER (CLIMATE CONTROL ECU)

4	INSPECT CLIMATE CONTROL SWITCH (See page 05–2506)

NG → REPLACE CLIMATE CONTROL SWITCH

OK

5	CHECK WIRE HARNESS (SEAT CLIMATE CONTROL BLOWER (CLIMATE CONTROL ECU) – CLIMATE CONTROL SWITCH)



HINT:

When the rear LH indicator is blinking, check the rear LH connector. When the rear RH indicator blinking, check the rear RH connector.

(a) Disconnect the C29 or C31 blower connectors.

(b) Measure the resistance of between the wire harness side connector.

Standard:

Rear LH

Tester Connection	Condition	Specified Condition
C29–17 (VS) – C29–18 (V5)	MAX. WARM → MAX. COOL	0 → 5 kΩ
C29–16 (VG) – C29–17 (VS)	MAX. COOL → MAX. WARM	0 → 5 kΩ

Rear RH

Tester Connection	Condition	Specified Condition
C31–17 (VS) – C31–18 (V5)	MAX. WARM → MAX. COOL	0 → 5 kΩ
C31–16 (VG) – C31–17 (VS)	MAX. COOL → MAX. WARM	0 → 5 kΩ

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE SEAT CLIMATE CONTROL BLOWER (CLIMATE CONTROL ECU)