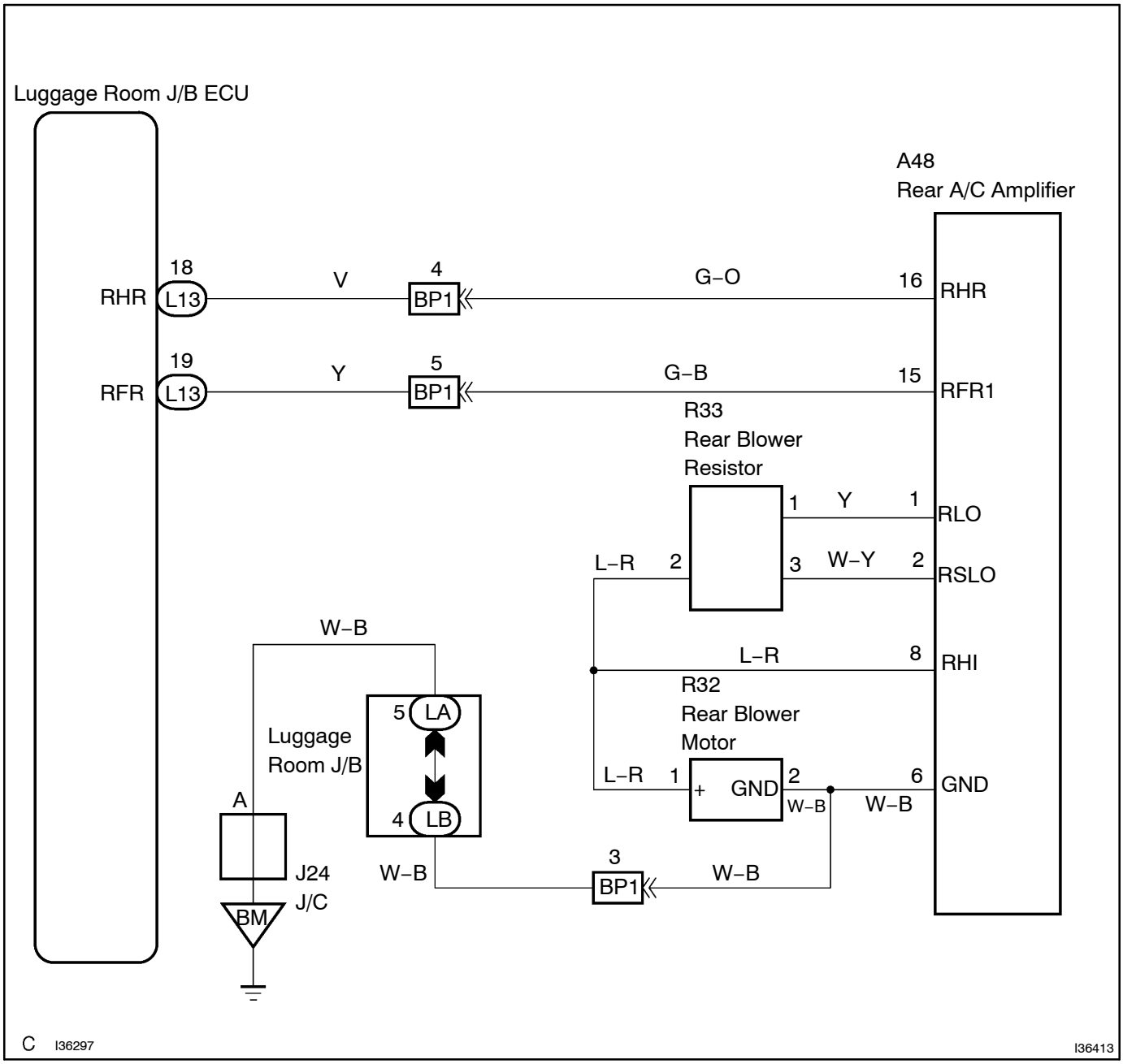
REAR BLOWER MOTOR CIRCUIT

CIRCUIT DESCRIPTION

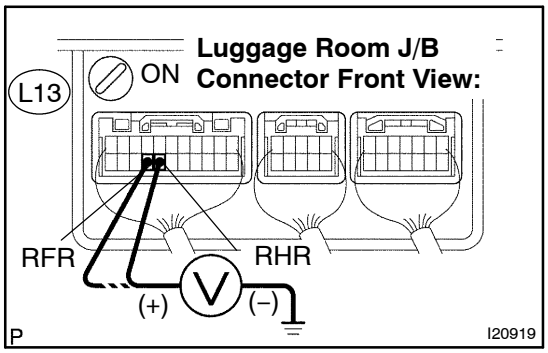
The luggage room J/B ECU requests the rear A/C amplifier to operate the rear blower motor and controls its operation via the rear blower resistor in this circuit.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT LUGGAGE ROOM J/B ECU(RHR, RFR – BODY GROUND)



(a) Remove the luggage room J/B with connectors still connected.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage according to the value(s) in the table below.

Standard:

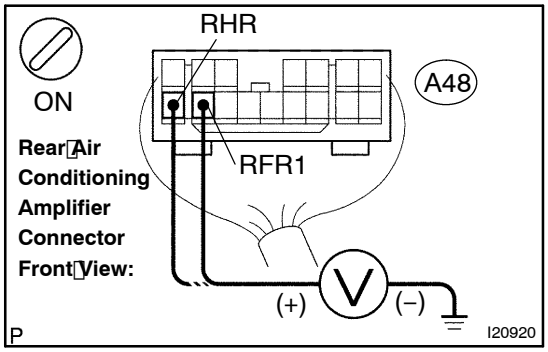
Tester connection	Condition	Specified condition
L13–18 (RHR) – Body ground	Rear blower switch to OFF position	Below 1 V
L13–18 (RHR) – Body ground	Rear blower switch to LO position	10 to 14 V
L13–18 (RHR) – Body ground	Rear blower switch to HI position	10 to 14 V
L13–19 (RFR) – Body ground	Rear blower switch to OFF position	Below 1 V
L13–19 (RFR) – Body ground	Rear blower switch to LO position	Below 1 V
L13–19 (RFR) – Body ground	Rear blower switch to HI position	10 to 14 V

NG → **Go to step 2**

OK

Go to step 4

2 INSPECT REAR AIR CONDITIONING AMPLIFIER (RHR, RFR1)



(a) Remove the A/C amplifier with connectors still connected.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage according to the value(s) in the table below.

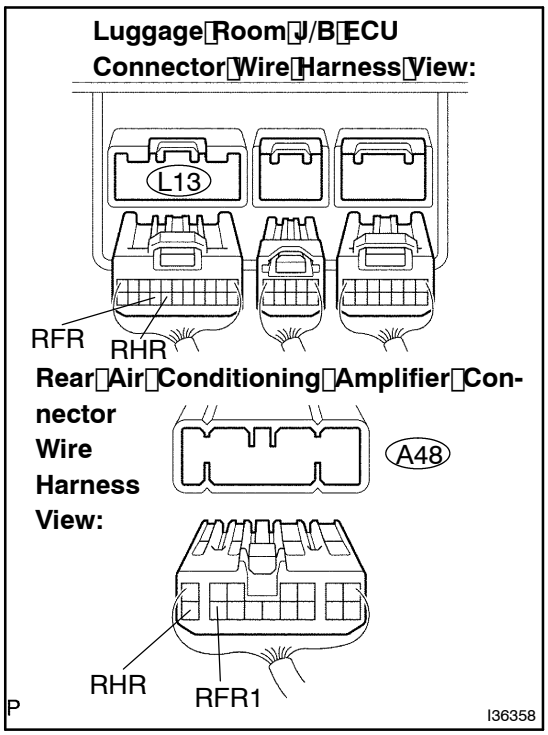
Standard:

Tester connection	Condition	Specified condition
A48–16 (RHR) – Body ground	Rear blower switch to OFF position	Below 1 V
A48–16 (RHR) – Body ground	Rear blower switch to LO position	10 to 14 V
A48–16 (RHR) – Body ground	Rear blower switch to HI position	10 to 14 V
A48–15 (RFR1) – Body ground	Rear blower switch to OFF position	Below 1 V
A48–15 (RFR1) – Body ground	Rear blower switch to LO position	Below 1 V
A48–15 (RFR1) – Body ground	Rear blower switch to HI position	10 to 14 V

NG → **Go to step 4**

OK

3 CHECK HARNESS AND CONNECTOR (LUGGAGE ROOM J/B – REAR AIR CONDITIONING AMPLIFIER) (SEE PAGE 01–44)



(a) Measure the resistance according to the value(s) in the table below.

Standard:

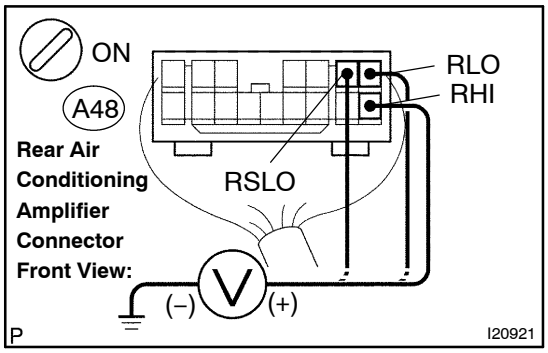
Tester connection	Condition	Specified condition
RHR (L13–18) – RHR (A48–16)	Always	Below 1 Ω
RHR (L13–18) – Body ground	Always	10 kΩ or higher
RFR (L13–19) – RFR1 (A48–15)	Always	Below 1 Ω
RFR (L13–19) – Body ground	Always	10 kΩ or higher

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

OK

REPLACE LUGGAGE ROOM J/B

4 INSPECT REAR AIR CONDITIONING AMPLIFIER(RHI, RLO, RSLO)



(a) Remove the rear A/C amplifier with connectors still connected.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage according to the value(s) in the table below.

Standard:

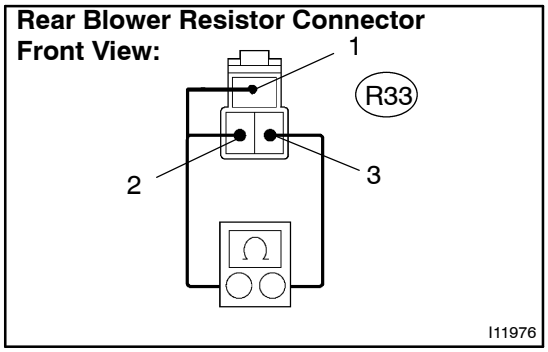
Tester connection	Condition	Specified condition
A48–8 (RHI) – Body ground	Rear blower switch to OFF position	Below 1 V
A48–8 (RHI) – Body ground	Rear blower switch to LO position	10 to 14 V
A48–8 (RHI) – Body ground	Rear blower switch to HI position	10 to 14 V
A48–1 (RLO) – Body ground	Rear blower switch to OFF position	Below 1 V
A48–1 (RLO) – Body ground	Rear blower switch to LO position	Below 1 V
A48–1 (RLO) – Body ground	Rear blower switch to HI position	10 to 14 V
A48–2 (RSLO) – Body ground	Rear blower switch to OFF position	Below 1 V
A48–2 (RSLO) – Body ground	Rear blower switch to LO position	10 to 14 V
A48–2 (RSLO) – Body ground	Rear blower switch to HI position	Below 1 V

NG → **Go to step 5**

OK

Go to step 7

5 INSPECT REAR BLOWER RESISTOR



(a) Remove the rear blower resistor.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

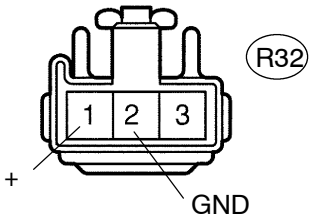
Tester connection	Condition	Specified condition
R33–1 – R33–3	Always	5.2 to 6.0 Ω
R33–2 – R33–3	Always	10.5 to 12.1 Ω

NG → **REPLACE BLOWER RESISTOR**

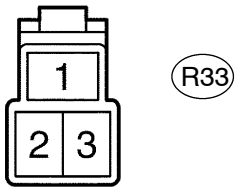
OK

6	CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER – BLOWER RESISTOR) (SEE PAGE 01–44)

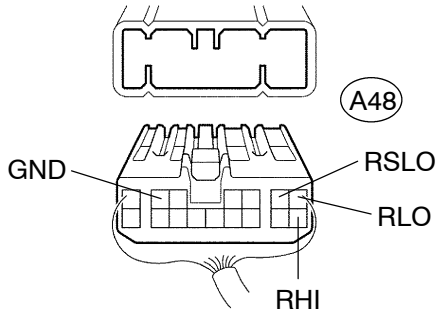
Rear Blower Motor Connector Wire Harness View:



Rear Blower Resistor Connector Wire Harness View:



Rear Air Conditioning Amplifier Connector Wire Harness View:



(a) Measure the resistance according to the value(s) in the table below.

Standard:

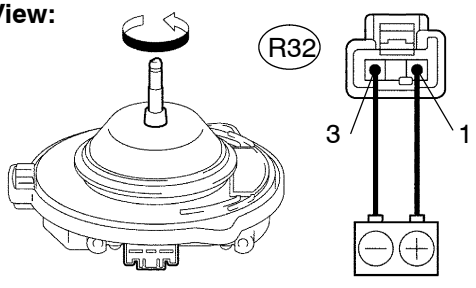
Tester connection	Condition	Specified condition
A48–1 (RLO) – R33–1	Always	Below 1 Ω
A48–1 (RLO) – Body ground	Always	10 kΩ or higher
A48–2 (RSLO) – R33–3	Always	Below 1 Ω
A48–2 (RSLO) – Body ground	Always	10 kΩ or higher
A48–8 (RHI) – R33–2	Always	Below 1 Ω
A48–8 (RHI) – Body ground	Always	10 kΩ or higher
A48–8 (RHI) – R32–1 (+)	Always	Below 1 Ω
A48–6 (GND) – R32–2 (GND)	Always	Below 1 Ω
A48–6 (GND) – Body ground	Always	Below 1 Ω

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

OK

7	INSPECT REAR BLOWER MOTOR

Rear Blower Motor Connector Front View:



(a) Remove the blower motor.

(b) Connect the positive (+) lead to terminal 1 of the blower motor connector and negative (–) lead to terminal 3.

OK:

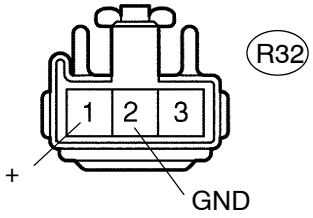
Blower motor operates smoothly.

NG → **REPLACE BLOWER MOTOR**

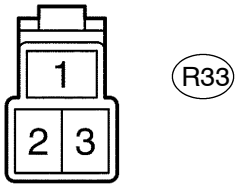
OK

8	CHECK HARNESS AND CONNECTOR(BLOWER MOTOR – BLOWER RESISTOR) (SEE PAGE 01–44)

Rear Blower Motor Connector Wire Harness View:



Rear Blower Resistor Connector Wire Harness View:



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(a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
R32–1 (+) – R33–2	Always	Below 1 Ω
R32–1 (+) – Body ground	Always	10 kΩ or higher
R32–2 (GND) – Body ground	Always	Below 1 Ω

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

OK

REPLACE REAR AIR CONDITIONING AMPLIFIER (SEE PAGE 55–57)