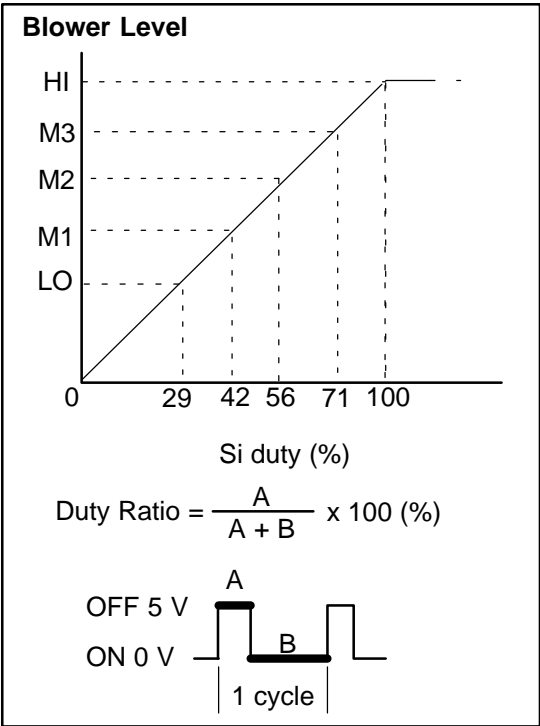


BLOWER MOTOR CIRCUIT



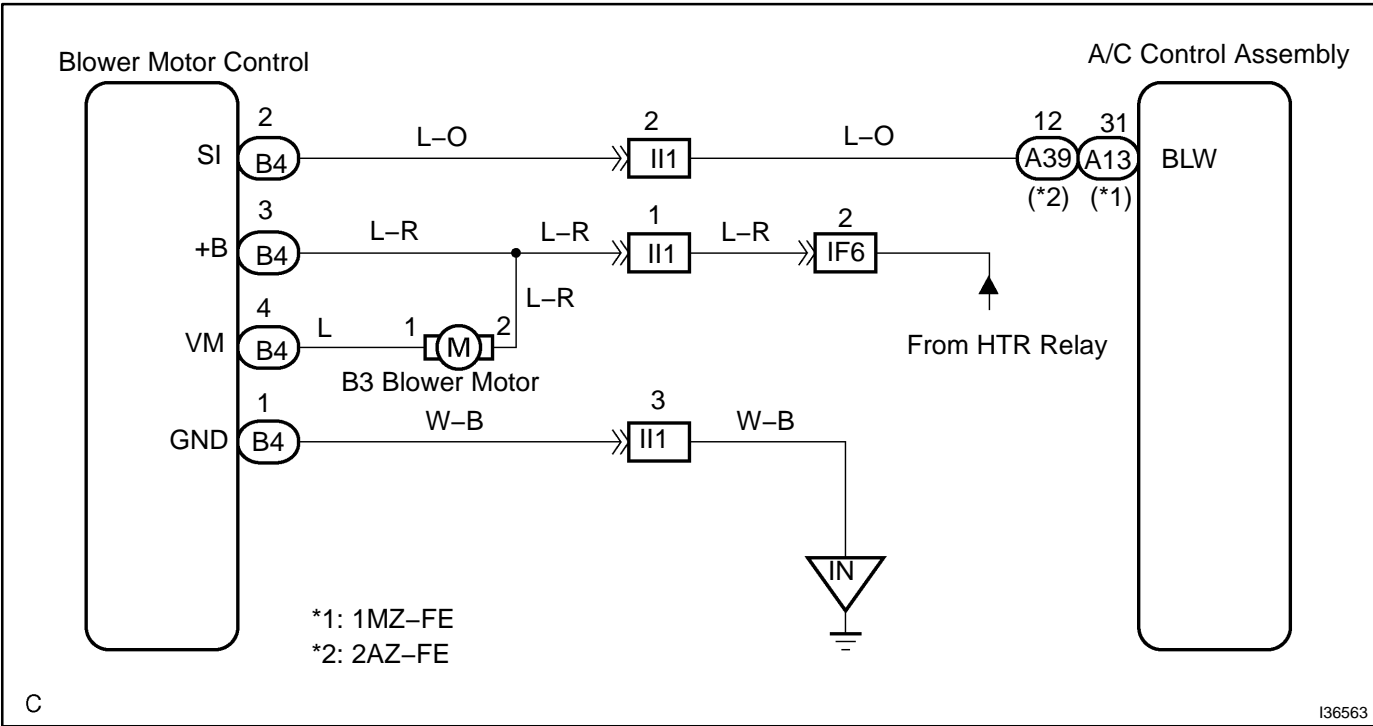
CIRCUIT DESCRIPTION

The blower motor is operated by signals from the A/C amplifier. Blower motor speed signals are transmitted by changes in the Duty Ratio.

Duty Ratio

The duty ratio is the ratio of the period of continuity in one cycle. For example, if A is the period of continuity in one cycle, then B is the period of non-continuity.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTUATOR CHECK

- Set to actuator check mode (See page 05-1363).
- Press the blower switch and change to step operation.
- Check the air flow level by hand.

Display Code	Blower level
0	0
1	1
2	14
3	14
4	14
5	14
6	14
7	14
8	14
9	31

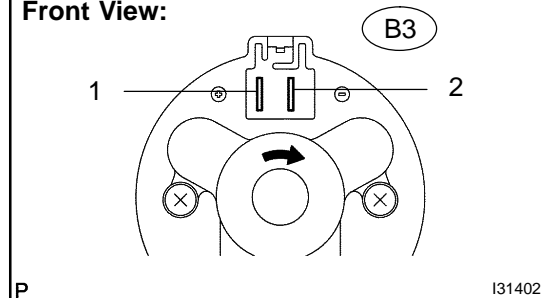
OK

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE**

NG

2 INSPECT BLOWER W/FAN MOTOR SUB-ASSY

**Blower Motor Connector
Front View:**



- Remove blower motor.
- Connect positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1.

Standard: Blower motor operates smoothly.

NG

REPLACE BLOWER W/FAN MOTOR SUB-ASSY

OK

3 CHECK HARNESS AND CONNECTOR(BLOWER MOTOR – BLOWER MOTOR CONTROL)

NG

**REPAIR OR REPLACE HARNESS OR
CONNECTOR**

OK

4

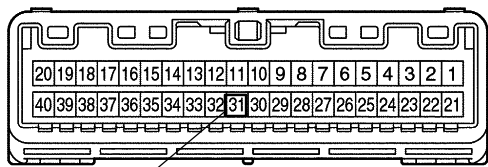
CHECK HARNESS AND CONNECTOR(BLOWER MOTOR CONTROL – BODY GROUND)

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5

INSPECT HEATER CONTROL HOUSING SUB-ASSY(BLW)**1MZ-FE: A/C Control Assembly
Connector Wire Harness View:**

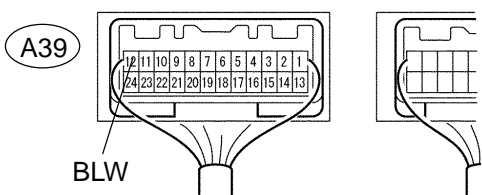
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- Remove A/C amplifier assy with connectors still connected.
- Ignition switch ON.
- Blower switch ON (Lo).
- Measure waveform between terminal BLW of A/C amplifier and body ground.

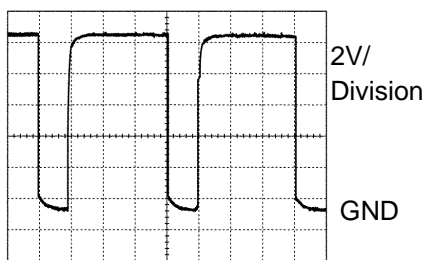
Standard:**Pulse generation****HINT:**

- The correct waveform is as shown.
- Blower level changes waveform.

**2AZ-FE: A/C Control Assembly
Connector Wire Harness View:**

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NG

CHECK AND REPLACE HEATER CONTROL HOUSING SUB-ASSY

OK

6	CHECK HARNESS OR CONNECTOR(HEATER CONTROL HOUSING - BLOWER MOTOR CONTROL)
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NG	REPAIR OR REPLACE HARNESS OR CONNECTOR
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OK

REPLACE BLOWER MOTOR CONTROL