

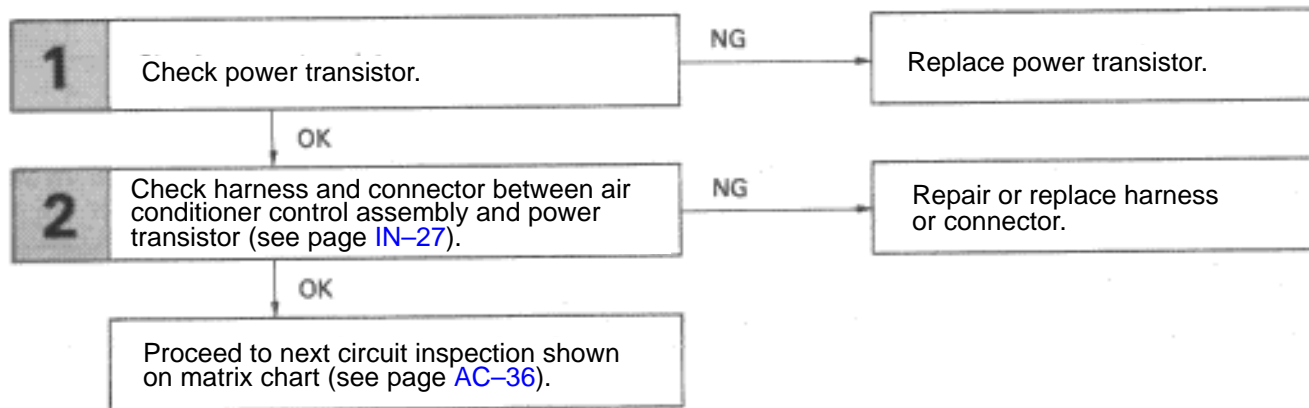
Power Transistor Circuit

— CIRCUIT DESCRIPTION —

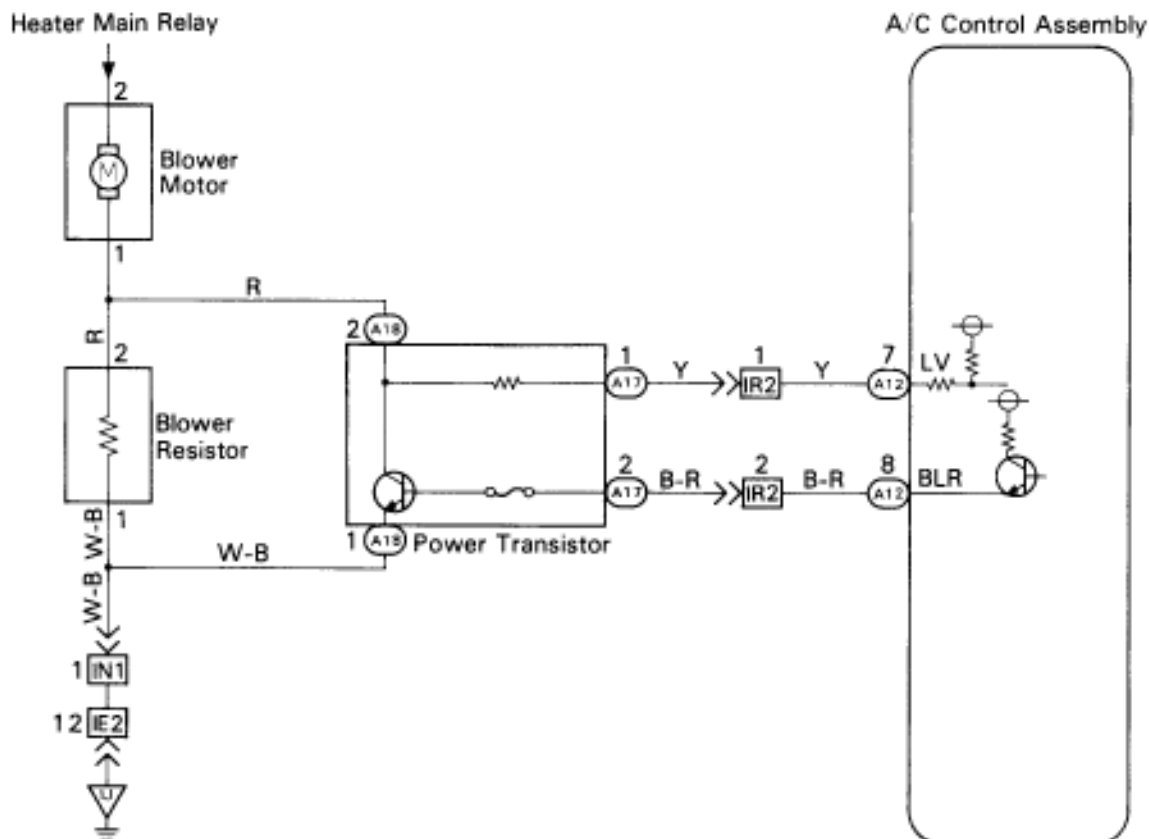
The air conditioner control assembly controls the blower speed by varying the voltage at terminal BLW which applies the base current to the power transistor.

The air conditioner control assembly also monitors the power transistor collector voltage at terminal VM, to control blower air volume precisely.

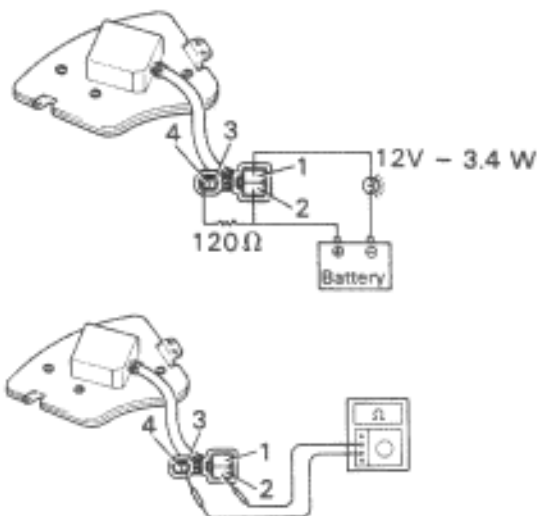
— DIAGNOSTIC CHART —



WIRING DIAGRAM



INSPECTION PROCEDURE

1**Check power transistor.****P**1. Remove cooling unit (see page [AC-109](#)).

2. Disconnect power transistor connector.

C

1. Check test bulb lights up when battery and resistor are connected to power transistor connected as left illustration shows.

2. Measure resistance between terminal 2 and 3.

OK1. **The bulb lights up.**2. **Resistance: 2.0 — 2.4 kΩ****OK****NG**

Replace power transistor.

2**Check for open and short in harness and connector between air conditioner control assembly and power transistor (See page [IN-27](#)).****OK****NG**

Repair or replace harness or connector.

Proceed to next circuit inspection shown on matrix chart (See page [AC-36](#)).