

AirBoss Sensor Verification Test

Proceed as follows:

With LAT sensor connected to PC Board:

1. Insert test thermometer into duct as near to LAT sensor as possible.
2. Measure DC voltage across two LAT terminals.
3. Voltage reading should indicate the same temperature as test thermometer reading shown on chart (**Fig. 11a**), plus or minus 3° F.
4. If voltage reading is different than chart voltage, proceed to the following sensor check.

With LAT sensor disconnected from PC Board:

1. Measure resistance across sensor at 100k to 200k Ohm scale. Ohm reading should indicate the same temperature as test thermometer chart below. (**Fig. 11a**)
2. If Ohm reading does not match chart (+ or - 10 %), replace the sensor.
3. If Ohm reading matches the chart, check for 5 volts DC at LAT terminals.
4. If voltage is not 5 Volt DC, replace PC Board.

LAT - TEMPERATURE / OHMS / DC VOLTAGE RELATIONSHIP CHART

<u>Temp</u>	<u>Ohms (k)</u>	<u>DC Volts</u>	<u>Temp</u>	<u>Ohms (k)</u>	<u>DC Volts</u>
40	26.1	3.82	76	10.2	2.85
42	24.7	3.77	80	9.3	2.72
44	23.4	3.72	90	7.3	2.42
46	22.1	3.69	100	5.8	2.14
48	20.9	3.63	110	4.7	1.88
50	19.9	3.57	120	3.8	1.63
52	18.8	3.52	130	3.0	1.41
54	17.9	3.46	140	2.5	1.22
56	16.9	3.40	150	2.0	1.05
58	16.1	3.35	160	1.7	0.90
61	14.5	3.28	170	1.4	0.77
70	11.8	2.98	180	1.2	0.66