

# J6802B-04

## S E R V I C E N O T E

Supersedes:  
None

### J6802B DNA MX

Serial Numbers: [0000A00000 / 9999Z99999]

The replacement CPU cooler fan is of a different design than the original and requires the removal of the mother board from the unit to effect replacement.

**Parts Required:**

P/N	Description	Qty.
5185-7755	Cooler 60x60x15	1

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**INFORMATION ONLY**

AUTHOR: DM    PRODUCT LINE: 2J

ADDITIONAL INFORMATION:

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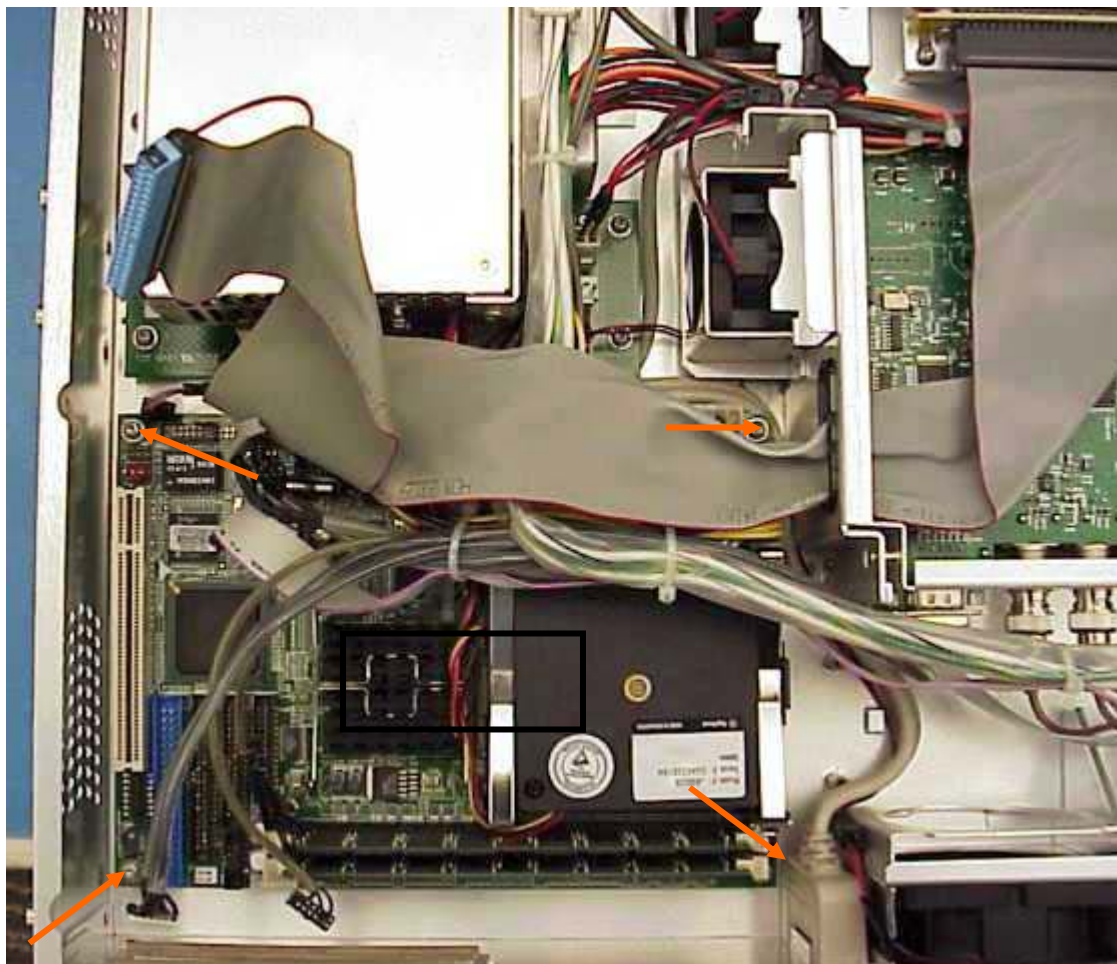
October 15, 2007

**Situation:**

The replacement CPU cooler fan for the J6802B is of a different design than the original. This will require the removal of the mother board from the unit to replace the fan as the mounting scheme is completely different.

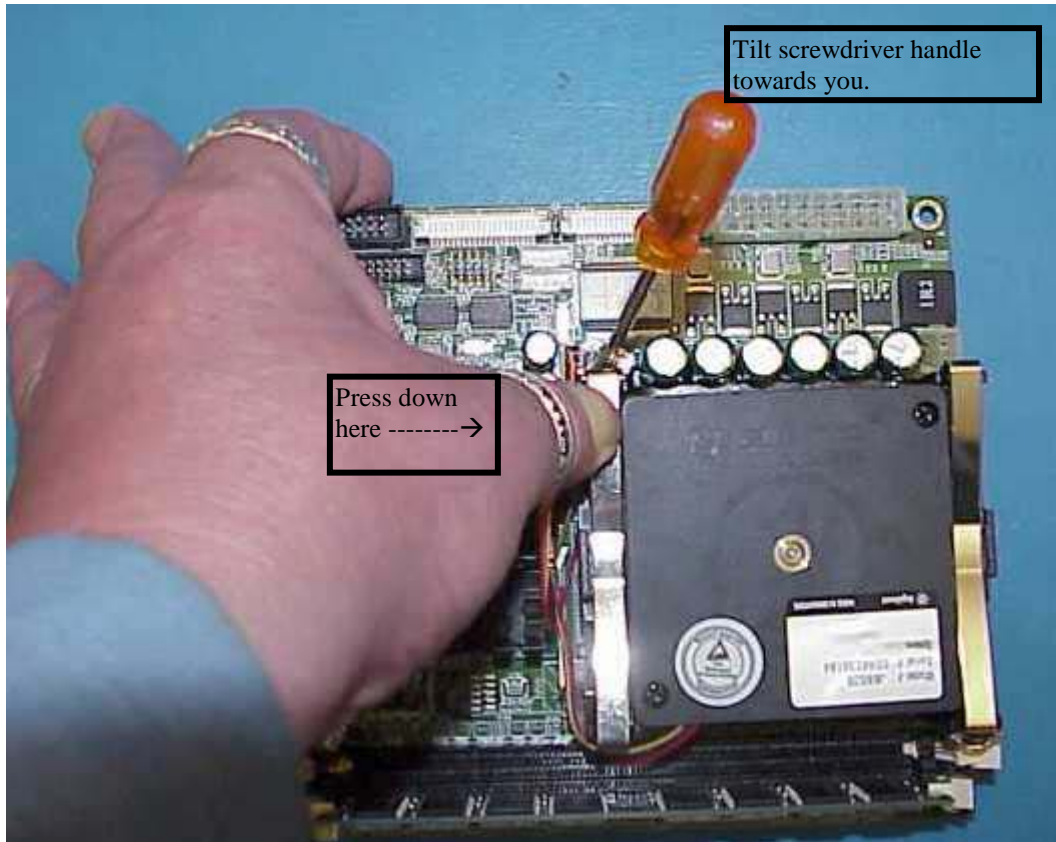
**Solution/Action:**

After removing the front and rear panels of the J6802B remove the top cover. Next remove the bracket holding the Telemetry port NIC in place and then remove the NIC from the unit. Disconnect all the peripheral cables attached to the mother board. Remove the four screws mounting the mother-board to the chassis. (See photo below) Red arrows show location of the screws.



With the screws removed, you can now lift the mother board out of the chassis. It is now ok to remove the two power cables from the mother board.

Place the mother board on a firm, flat, ESD safe surface to continue the process. Remove the memory DIMM that is closest to the fan by pressing downward on the white plastic “ears” holding it in place. Next using a flat blade screw driver and while pressing down on the tab with your thumb or forefinger use the screwdriver to uncouple the clip from the bracket.



Repeat the process for the second clip. Once the clips are removed, the fan can be removed from the mother board. Discard these pieces as they are not required for the replacement.

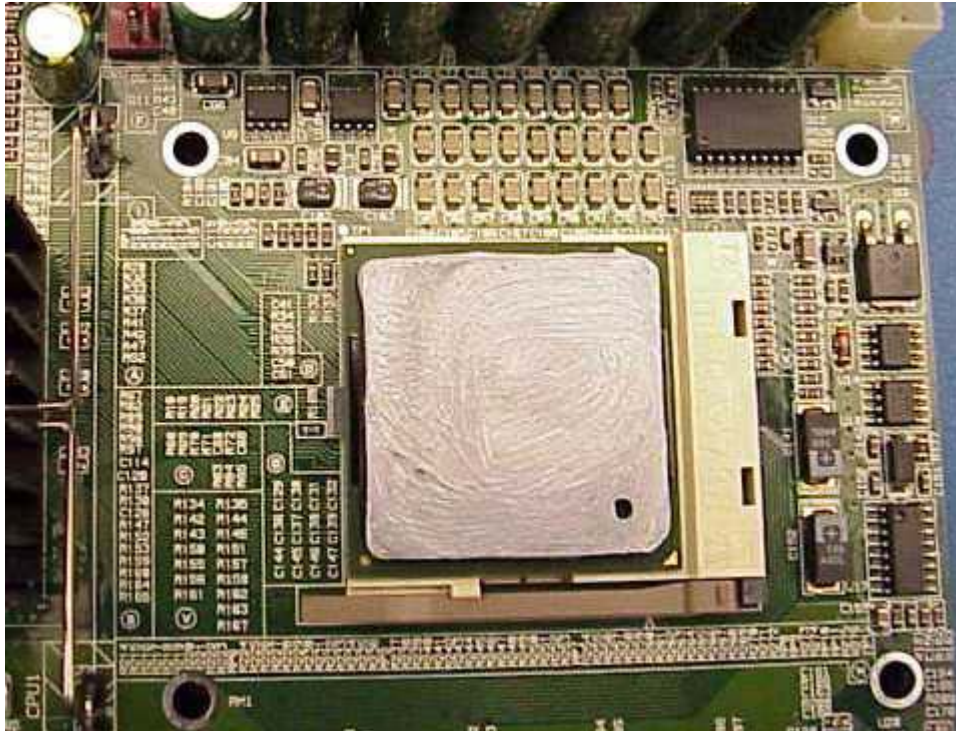
Remove the four screws, one at each corner of the fan bracket. Discard the screws as well as the bracket itself. Also discard the stiffener from the bottom side of the mother board.



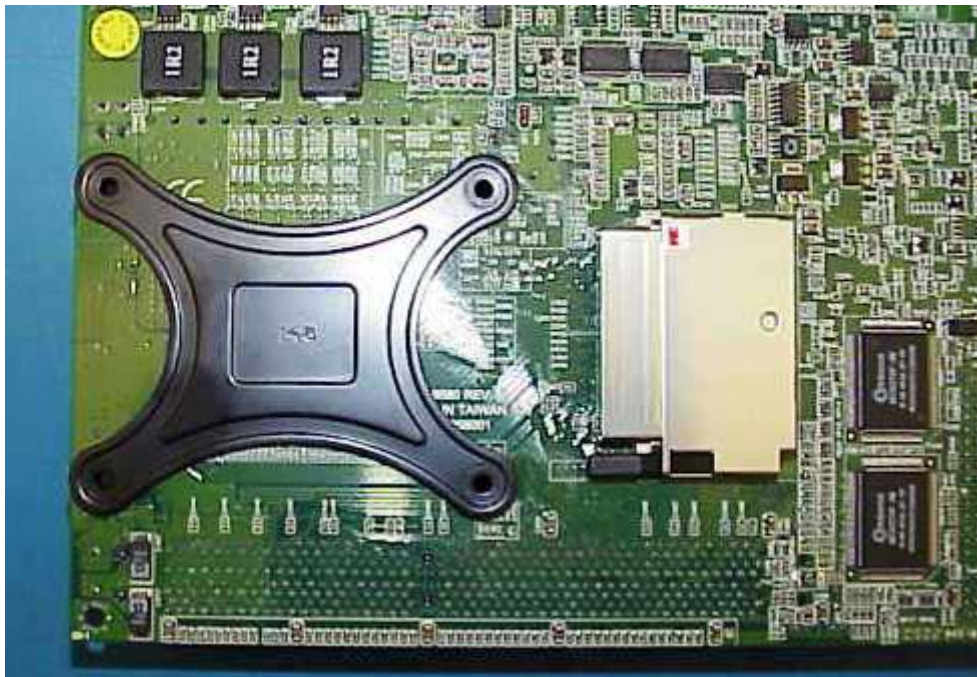
Open the packet of silicon heat sink material. Apply very sparingly. You only need to rejuvenate the original silicon on the top of the processor, DO NOT over-apply as this can cause a problem with the heat transfer as well.



NOTE: The silicon compound should still be mostly grey, with a shiny appearance, not dull.



Align the new board stiffener bracket with the holes in the PCA.



Turn the assemblies over, place the cooler fan on top of the CPU and tighten the screws at each of the corners in a crossing manner. (Upper left, lower right, Upper right lower left.)

Attach fan wiring to the original connector, and replace the memory DIMM before re-assembling the instrument. After complete re-assembly test unit per verification instructions found at:

[Operational verification using J6815B LIMs](#)

