


Avolites LTD Engineering Change Notice

ECN title	ART2000 Fan replacement		
ECN Number	ECN-192		
Related Product(s)	All ART2000 Touring systems fitted with Papst fans except Suffix "ST"		
Date / Author	11/01/2012	JBT / CW	
Reasons for ECN	Change of fan brand		
Parts required	None		
Tools required	Dzus tool, No2 posidrive screw driver, small side cutter, soldering iron		
Estimated time	10 minutes per module		

Safety Notice:

Disconnect the product from mains and any other electrical connection before opening the unit, use appropriate ESD measures when working inside the product.

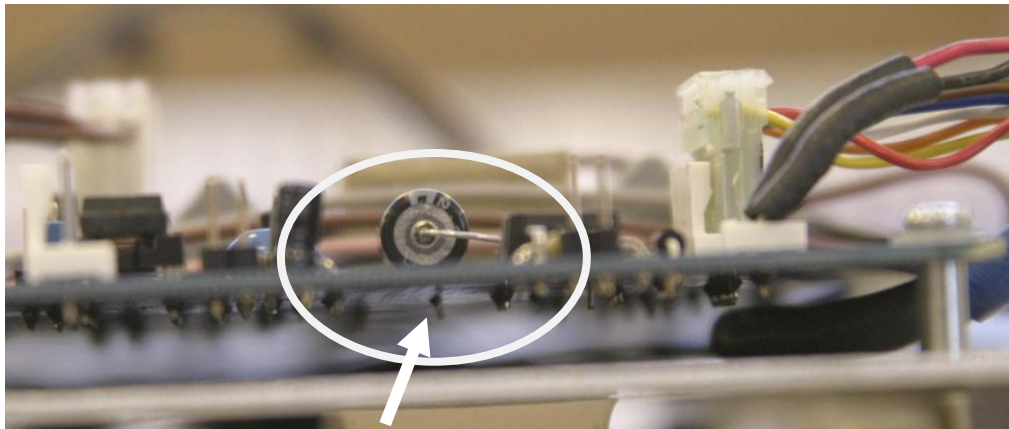
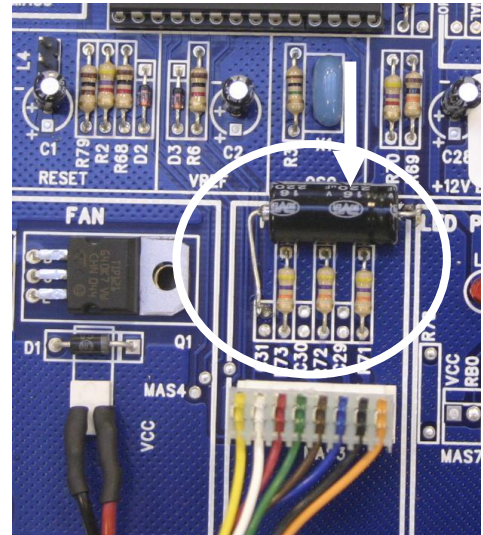
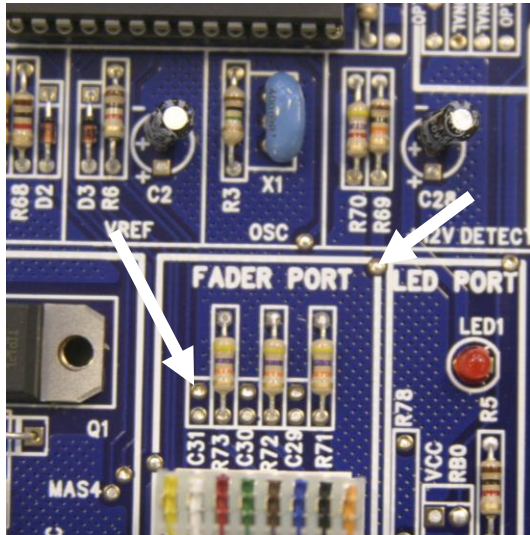
Remove the module from the rack (undo two M6 screws).



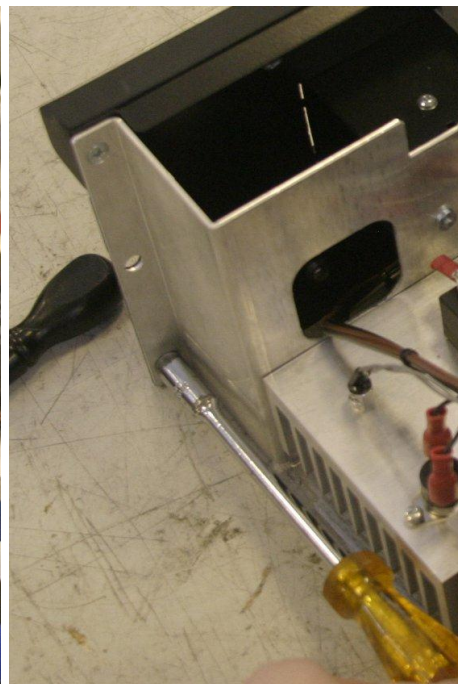
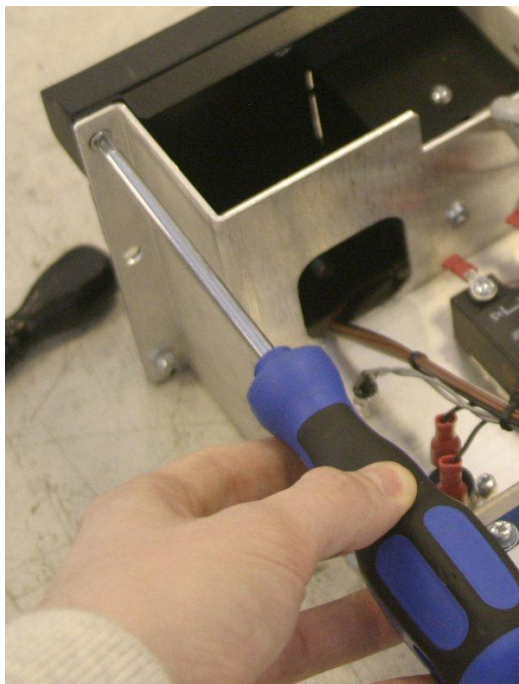
Place module on a bench.

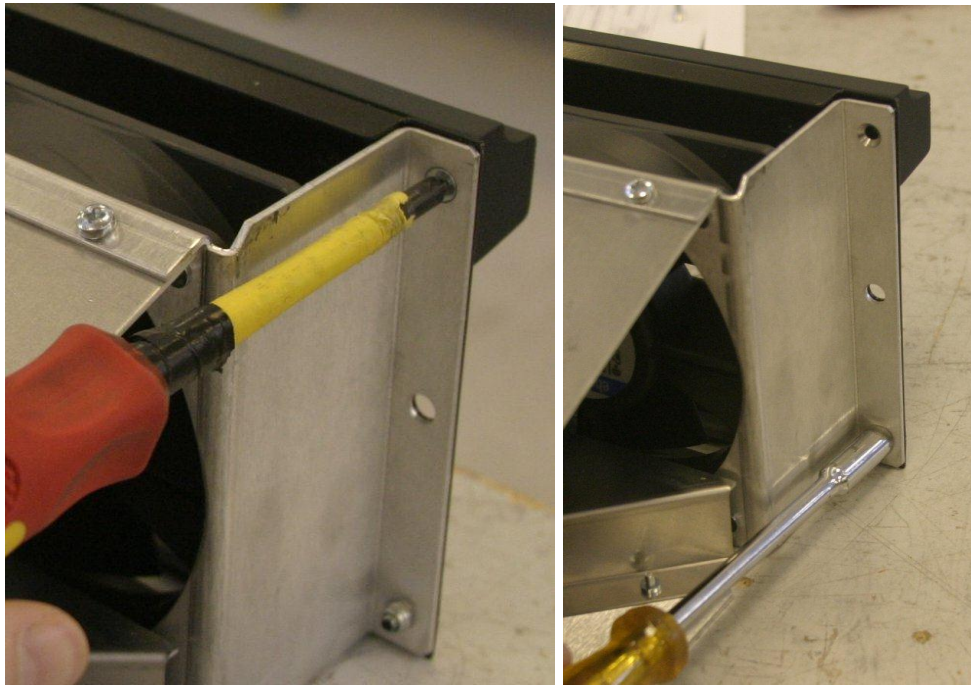


Fit the capacitor. Ensure the polarity is correct (arrow shows + side in right hand picture) and that it is not touching the base.

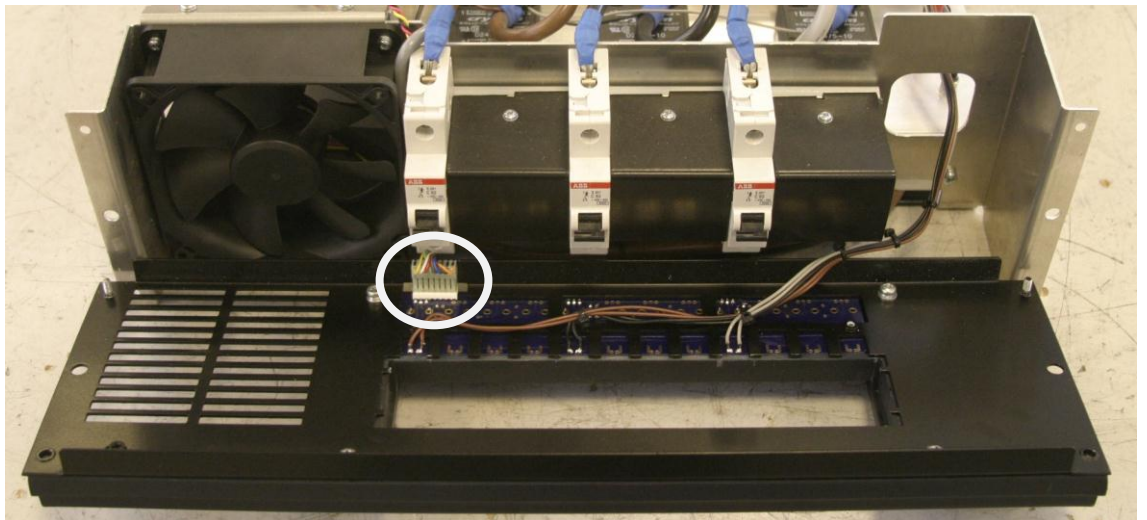


Remove the front panel by taking out the two screws and two nylocs.



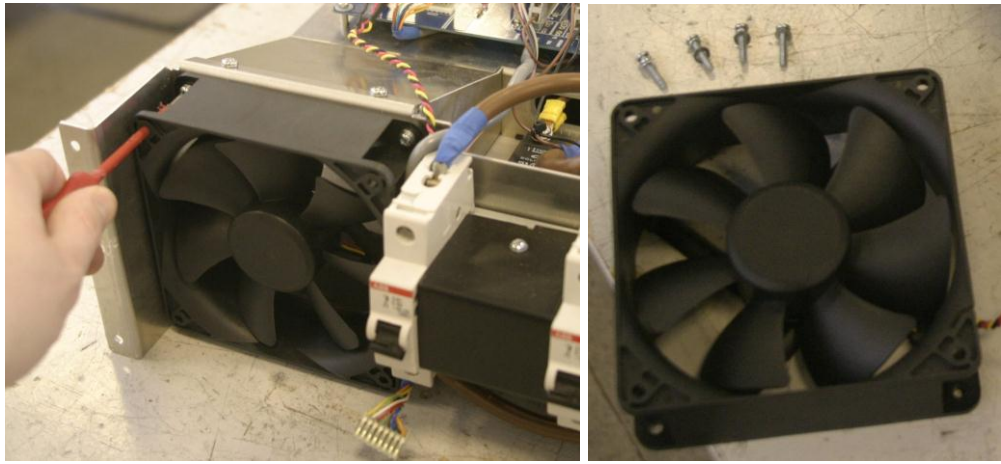


Unplug the mascon connector from the panel board, and move the front panel out of the way.

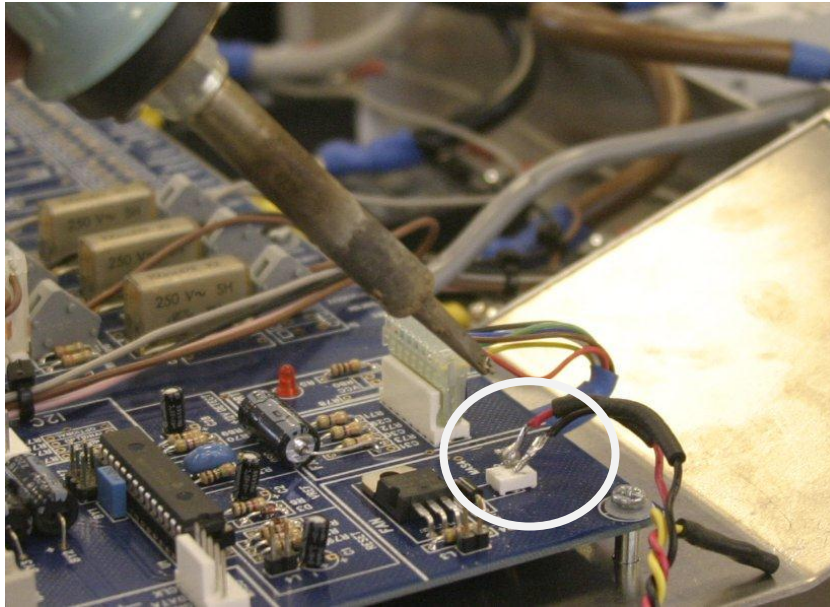


Remove the Papst fan.





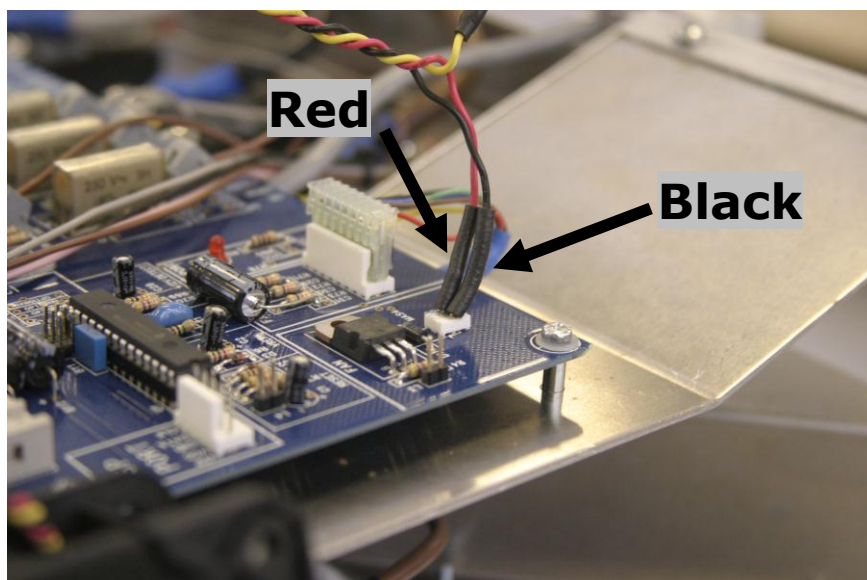
Retract the sheathing from the old fan wires, and unsolder them from the board.



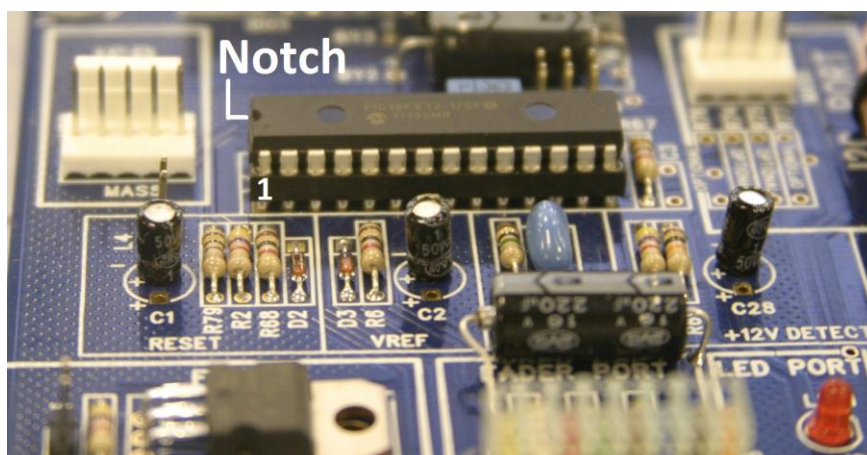
Screw the new Sunon fan into place with the label facing toward the rear of the module, and refit the front panel.



Slide sheath tubing onto the new fan wires. Solder the new fan wires to the connector terminals, and pull the sheathing down to the base of the terminals.



Replace the Processor. Note that pin 1 is immediately to the left of the notch in the plastic.



Fit the unit into the dimmer rack and test it, checking for fader noise and that the fan is operational.

Line A 001	No Dmx	Line B 001	No Dmx
Status Running		Mode	Test On
BAY STATUS			
	Found Chan	Control Temp	OverTemp Run
Bay 1	Yes	12 195	07C No 34
Bay 2	Yes	12 65	07C No 34
Bay 3	Yes	12 189	07C No 34
Bay 4	Yes	12 250	23C No 33

This concludes the engineering change notice.