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## Advisory - MC-4000 Overheating Issue

### Overview

The MC-4000's '12 Series' firmware, incorporating the Squeeze effect, may occasionally experience overheating problems that can result in video breakup. Changing the cooling fans from 38 CFM to 50 CFM will increase the air flow and provide adequate FPGA cooling. The fans can be replaced without taking the MC-4000 off line.

***Please contact UTSCI Customer Service for assistance with this procedure or the materials involved.***

### Fan Replacement Kit Contents

- AFB0612DH cooling fan (2 each)
- Wire ties (1 each)

### Procedure

#### Step 1

Remove the front door of the MC-4000 chassis, then remove either the left or the right power supply, allowing the system to run on a single power supply. Replace the door to allow system to cool properly while working on the fan replacement.

***Note: To maintain an optimal temperature environment, is important to not delay the fan replacement once the procedure has started.***

#### Step 2

Cut the wire tie that secures the 3 fan wires on the old fan (AFB0612EH).

#### Step 3

Unsolder the Black, Blue and Red fan wires.

#### Step 4

Unscrew the 4 screws holding the fan.

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*Step 5*

Solder the replacement fan (AFB0612DH) into the following locations.

- BLACK = E6
- BLUE = E5
- RED = E4

*Step 6*

Attach the new fan to the circuit board standoffs using the screws from the old fan.

*Step 7*

Secure (by tying) the fan wires to the standoff.

*Step 8*

Remove the MC-4000 door and replace the modified power supply.

*Step 9*

Remove the second power supply and repeat steps 2 thru 8