

## 3M M79 Modification

### Replacing Vactec VTL1A3 with VTL5C1

- 1) Remove bad Vactec VTL1A3
- 2) Install new Vactec VTL5C1
  - a. Bend Vactec pin 1 wire down so pins 3, 4, and now 1 are facing down
  - b. Insert the 3 now facing down pins of the new Vactec into holes where the VTL1A3 was
    - i. New Pin 3 into old hole 1
    - ii. New Pin 4 into old hole 3
    - iii. New Pin 1 into old hole 2 (ground)
  - c. Connect a 330-ohm  $\frac{1}{2}$ -watt resistor from the un-attached pin 2 of the new Vactec to the pc board trace that was connecting to the old Vactec pin 4
  - d. Connect a 10k-ohm resistor in parallel with a 0.1uF capacitor from the pc board trace that was connecting the old Vactec pin 4 to ground (can attach to the new Vactec pin 1)



