

## MX1 POWER SUPPLY MODIFICATION KIT

497-025997-000

This kit is designed to eliminate intermittent failure of 5 amp power fuse and +24V regulator.

### INSTRUCTIONS

- ( ) 1. Change 5 amp Fast-Blo fuse to 6 amp Fast-Blo.
- ( ) 2. Change 100 ohm 1/2W resistor to 330 ohm 1/2W.
- ( ) 3. Change 2200 uf capacitor to 1000 uf.
- ( ) 4. Remove jumper wire from Point A and connect to Point B. (Completion of this step will remove the capacitor from Pin 2 of +15V regulator and add 1000 uf capacitor from Pins 11 and 12 of IC2, +24V regulator to ground.)
- ( ) 5. Add the .1 uf glass capacitor from Pin 4 of IC2 to ground.
- ( ) 6. Change 15V 1/2W zener to 18V 5W zener, part number 919-017406-003 (observe polarity). \*
- ( ) 7. Change 15V 1/2W zener to 15V 5W zener, part number 919-017406-013 (observe polarity). \*
- ( ) 8. Remove silicon controlled rectifier (SCR).
- ( ) 9. Change 5.1V 1/2W zener to 3.3V 5W zener, part number 919-017406-018 (observe polarity). \*
- ( ) 10. Remove 10 uf capacitor and replace with a jumper wire.
- ( ) 11. Change 47 ohm 1/4W resistor to a 3.3V 5W zener, part number 919-017406-018, anode grounded. Completion of this step will connect the Voltage Overload Protection Circuit as indicated by drawing.

\* The PCB lead holes will have to be enlarged (.043 minimum) to accept a 5W zener diode.

<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>
Resistor 330 ohm 10% 1/2W	851-252331-000	1
Diode Zener 15V	919-017406-013	1
Diode Zener 18V	919-017406-003	1
Diode Zener 3.3V	919-017406-018	2
Fuse 6 amp Fast-Blo	939-001197-004	1
Capacitor Electrolytic 1000 uf 35V	945-026783-026	1
Capacitor Ceramic 1 uf	947-026618-104	1