



PS-3 POWER SUPPLY

GENERAL DESCRIPTION.

The PS-3 is a 13.8 Volt DC regulated power supply capable of supplying up to 8 amperes of current. Excellent voltage regulation is provided by a silicon monolithic integrated circuit. Output voltage and current are adjustable with internal controls which have been factory adjusted to provide 13.8 volts. The short circuit protection circuit has been adjusted to shut down the regulator circuit when the output current exceeds a preset value (less than 10 amperes). An auxiliary DC output on the rear panel provides 13.8 volts regulated and is fused internally with a 1 ampere fuse. Primary voltages of 100, 120, 200, and 240 VAC, 50-60 Hz may be used with the PS-3 supply with proper wiring (see the illustration on page 2 for changing jumper wiring for various input voltages).

OVERLOAD PROTECTION.

When the power supply is subjected to an overload or short circuit condition, the regulator circuit will automatically shut down, and this is indicated by the "OUTPUT" (RED) panel lamp being extinguished. The "LINE" (AMBER) panel lamp will remain lit indicating the line fuse is not open. The power supply may be reset by switching the power switch to "OFF" position and returning to "ON" position. The power transformer is protected by a 2 ampere slow blow type fuse on primary voltages of 100 or 120 VAC, a 1 ampere MDL type fuse on 200 or 240 VAC. The fuse is located on the rear panel, and should be replaced only with another

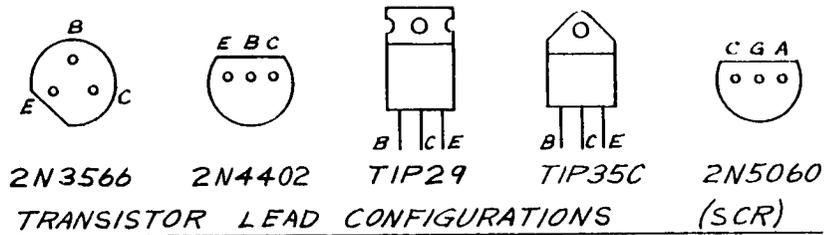
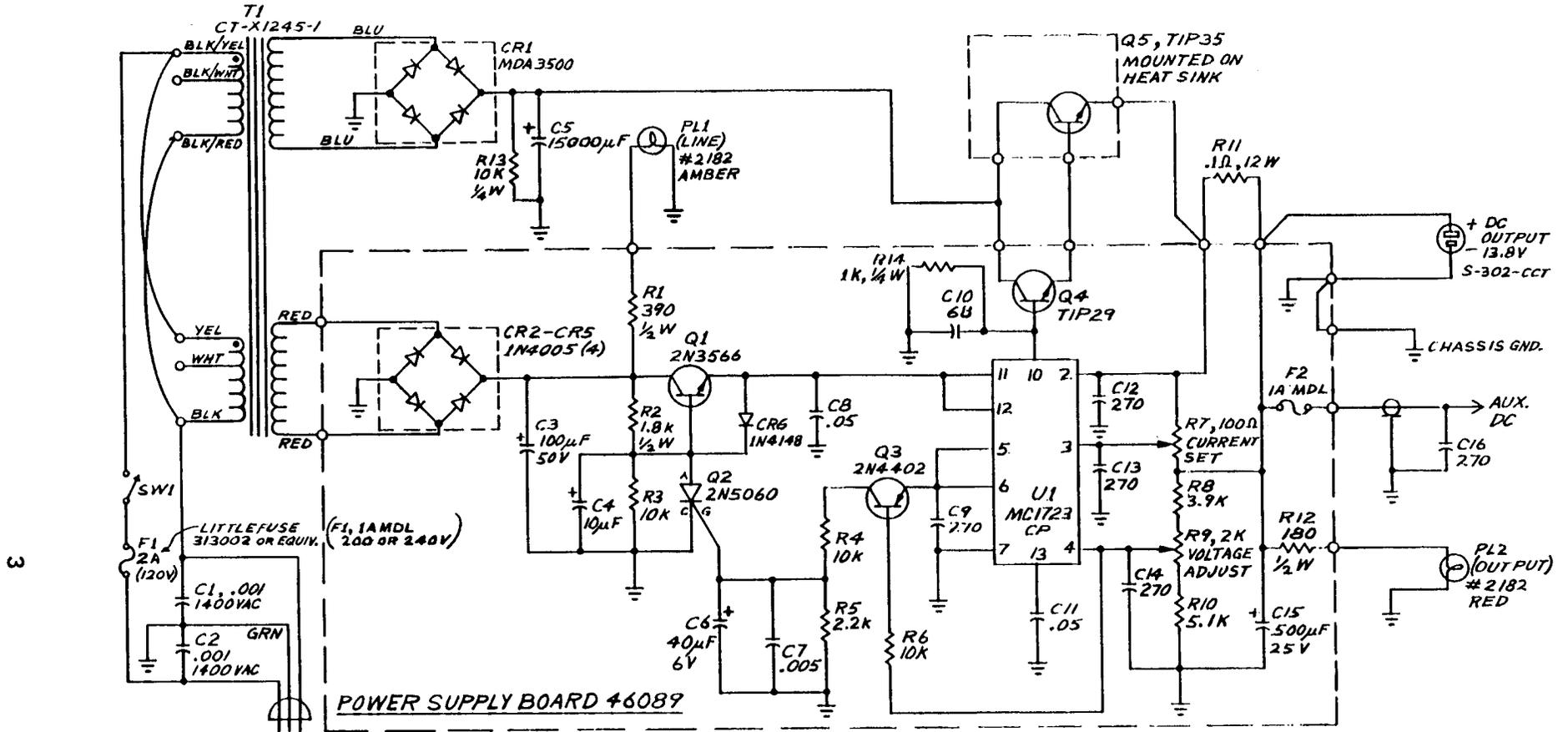
fuse of the same type and rating. The DC AUX is fused internally with a 1 ampere type MDL fuse. This fuse should be replaced only with another fuse of the same type and rating.

FACTORY SERVICE.

The PS-3 will be checked and serviced at the factory for a nominal fee if there is no evidence of tampering. Transportation charges are extra. Any necessary repairs will be made on a time and material basis. Please write or call the factory for authorization before returning the unit for service. Requests for authorization should be addressed to:

R. L. Drake Company
540 Richard Street
Miamisburg, Ohio 45342
ATTN: Customer Service Department
Telephone: (Area Code 513) 866-3211
Code-A-Phone Service after
1630 Hours E.S. T.
Telex No. 288-017

R. L. Drake Company
Western Sales and Service Center
2020 Western Street
Las Vegas, Nevada 89102
ATTN: Customer Service Department
Telephone: (Area Code 702) 382-9470
Telex No. 684-540



PS-3 SCHEMATIC DIAGRAM