ADDITIONAL PROTECTION CIRCUITS FOR THE ST-120

The protection circuits described below have been developed to increase the reliability of the Stereo 120 when it is used in severe service applications, such as continuous power output into low impedance loads or restricted ventilation. These modifications must be made by the customer, as neither the factory Service Department nor the Dynaco Authorized Service Centers will perform the work.

Separate power supply fuses will be added for each channel for current protection when driving low impedance loads. Thermal sensors will be used to shut down the amplifier in the event of excessive temperature appearing on the heat sinks.

The following parts will be needed ($2.00 should be included to cover postage and handling):

3	Thermal Sensors	#342011	$3.65 each
1	Dual Fuse Holder	#341007	$0.90
1	Capsule Thermal Compound	#945004	$0.90
2	1.5 Amp Fuses		not available from Dynaco

Misc. Hardware · not available from Dynaco

INSTRUCTIONS

1. Remove the metal cover from the amplifier, and orient the unit so that the power switch and fuse holder are on the left and the output binding posts are on the right.

2. Locate the power supply heat sink which has the single power transistor, Q9, mounted on it. Note the unused hole in the heat sink to the upper left of Q9. Select one of the thermal sensors, TS1, and coat the side which has the mounting screw with a layer of white thermal compound. Install TS1 in the unused hole as shown in Diagram A.

3. Examine each output heat sink and note the unused hole in each one located approximately half way between the two output transistors, Q5 and Q6. Prepare the two remaining thermal sensors with thermal compound as before, and install one on each heat sink as shown in Diagram B. The LEFT channel sensor will be designated TS2, and the RIGHT channel sensor will be designated TS3.