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Brand: Model Product: Description:	Acoustic 220 Guitar Amplifier Service Manual		Dated: 1977
Musicparts Document	Number: 40137	TechTips: 1	Pages: 16

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TECHTIPS: Unique to Musicparts documents are **TECHTIPS** located in critical areas on the schematics. They contain useful information about that area of the schematic such as common problems that we have found and recommended changes. Not all documents will have TechTips.

NOTE: Large original over-sized drawings will need to be taped together. We feel this is better than reducing them and losing fine details.

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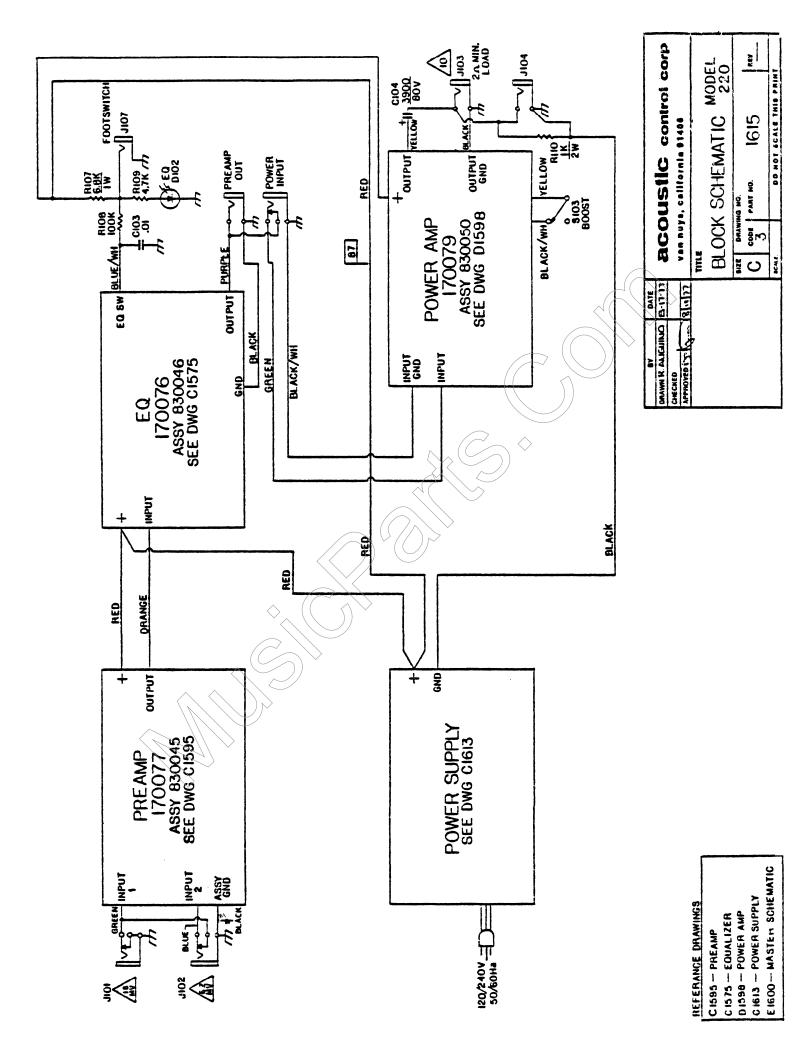
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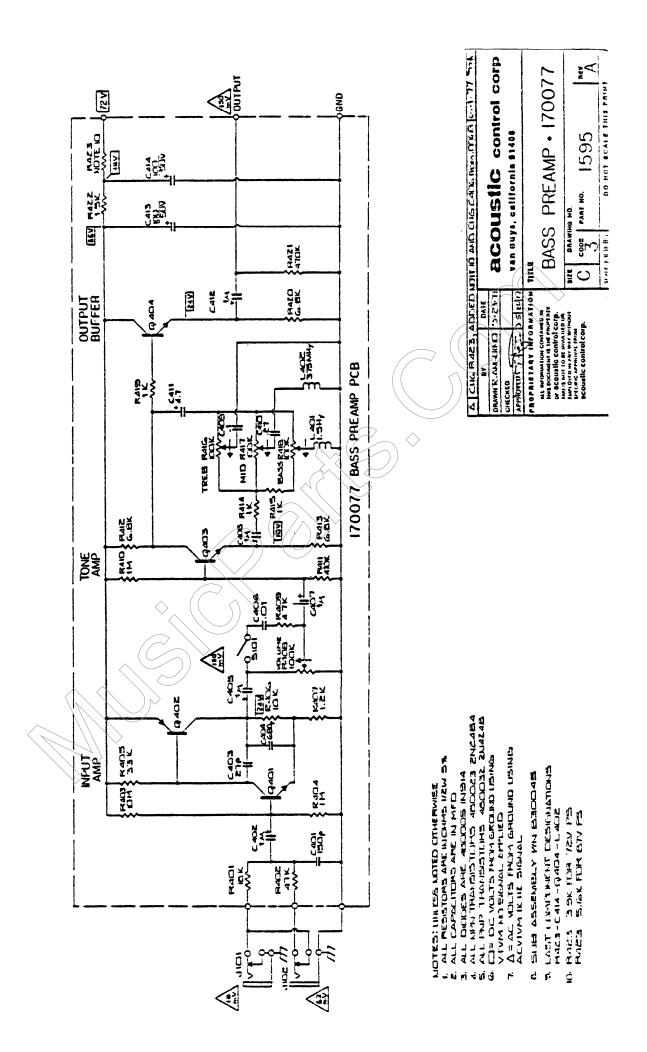
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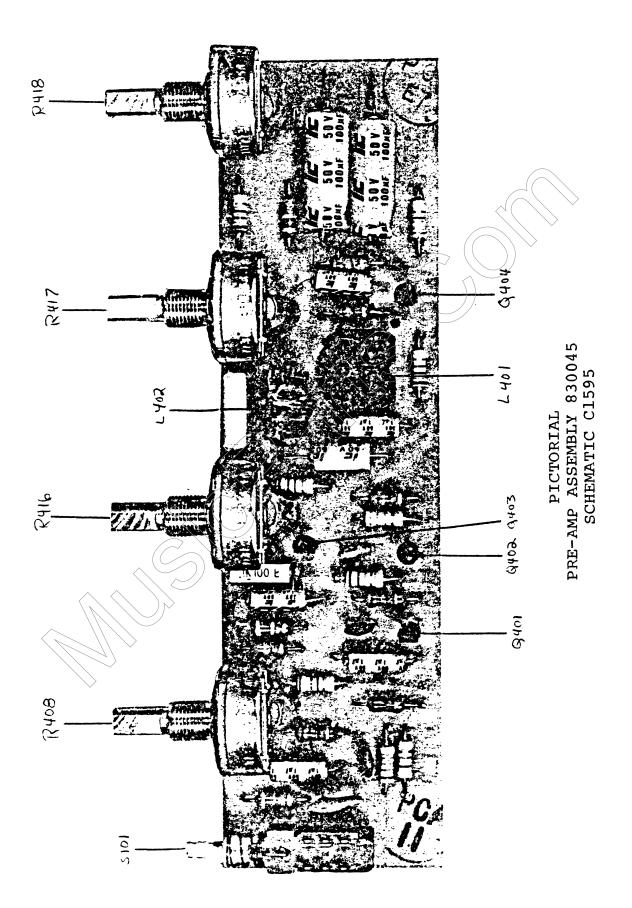


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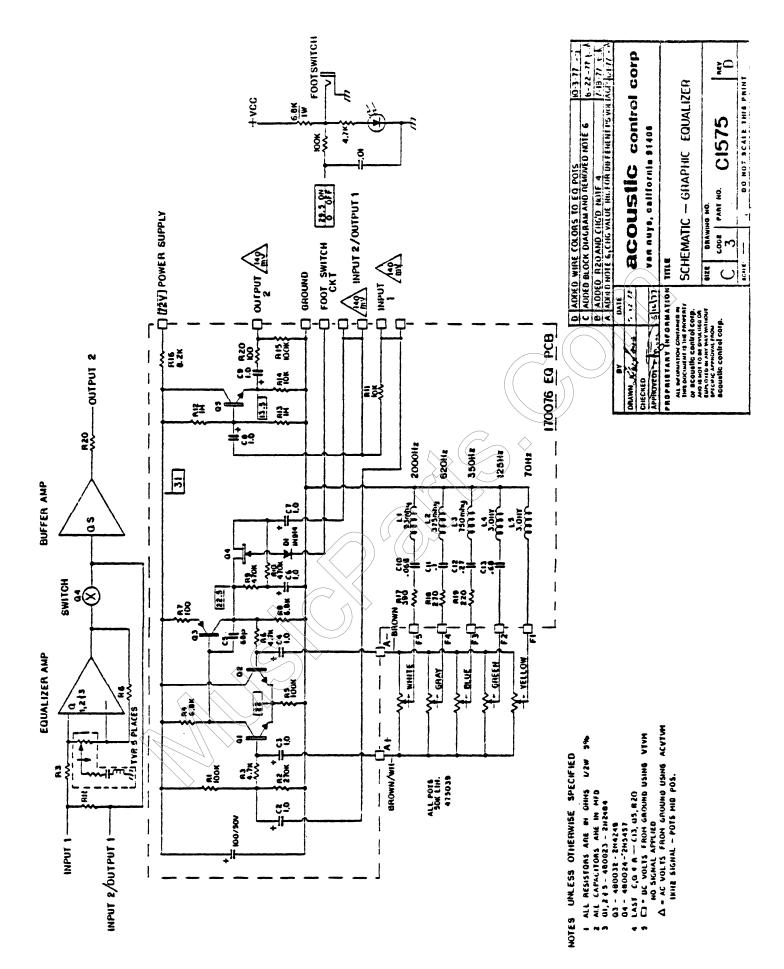


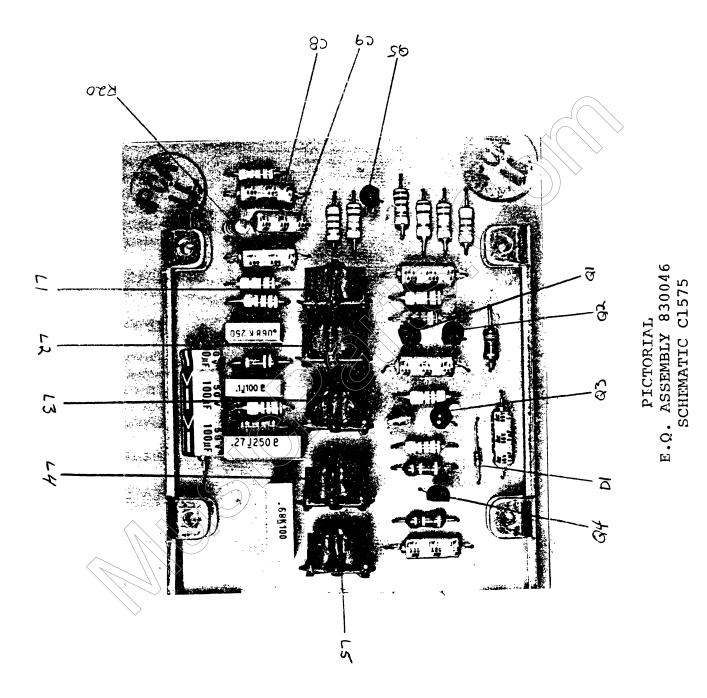




Pre-Amp Assembly 830045 Schematic C1595

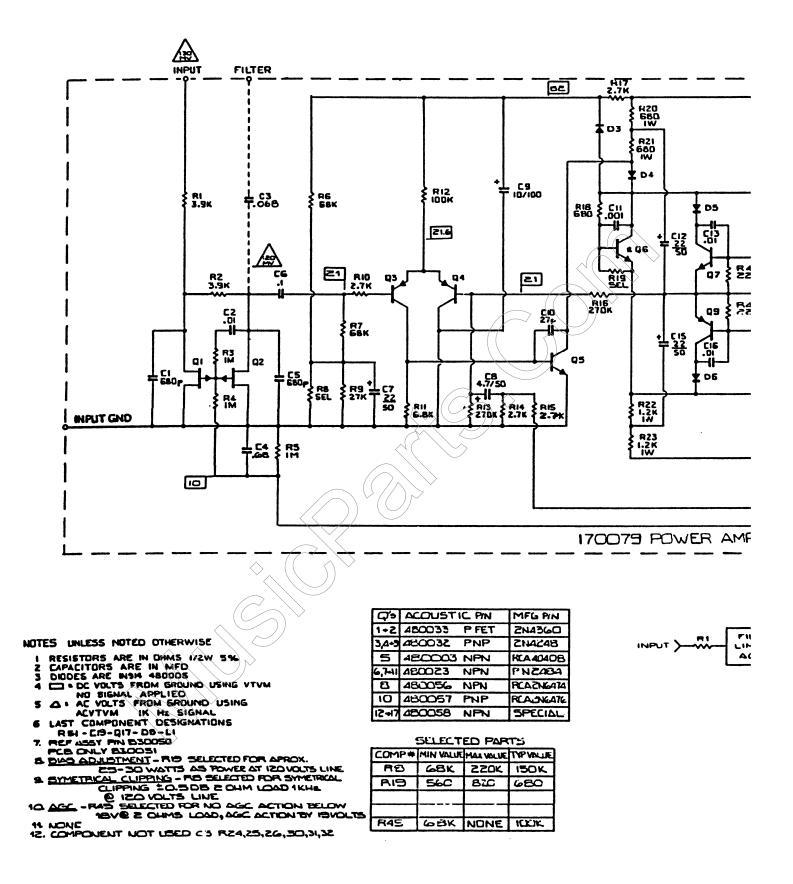
Acoustic Part No.	170077 157007 157003 157003 157003 157003 157003 159001 159001 159003 155003 159003 159003 159003 159003 155003 15	
DESCREPTION	rcuit Board Bass Pre-Amp Disc. 150pf Bisc. 27pf Disc. 27pf Disc. 27pf Disc. 27pf Disc. 27pf Disc. 01uf, 50V Disc. 01uf, 50V Electrolytic, 1uf, 50V MM1uf MM27uf Electrolytic, 1uf, 50V Electrolytic, 100uf, 50V Electrolytic, 100uf, 50V Electrolytic, 100uf, 50V Flectrolytic, 100uf, 50V Flectro	
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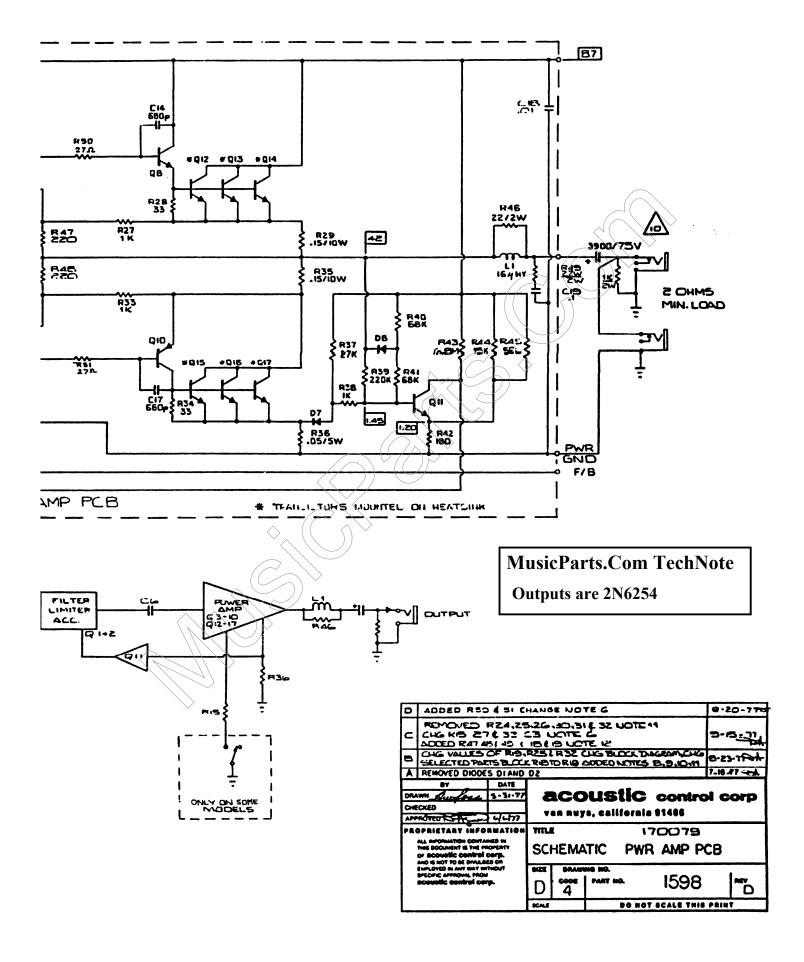


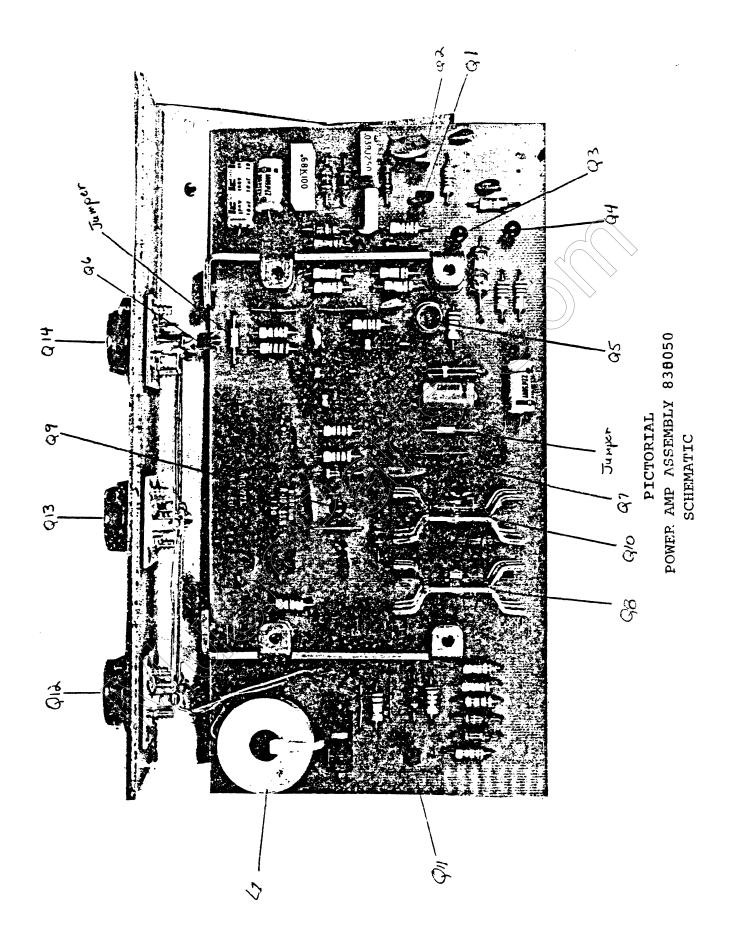


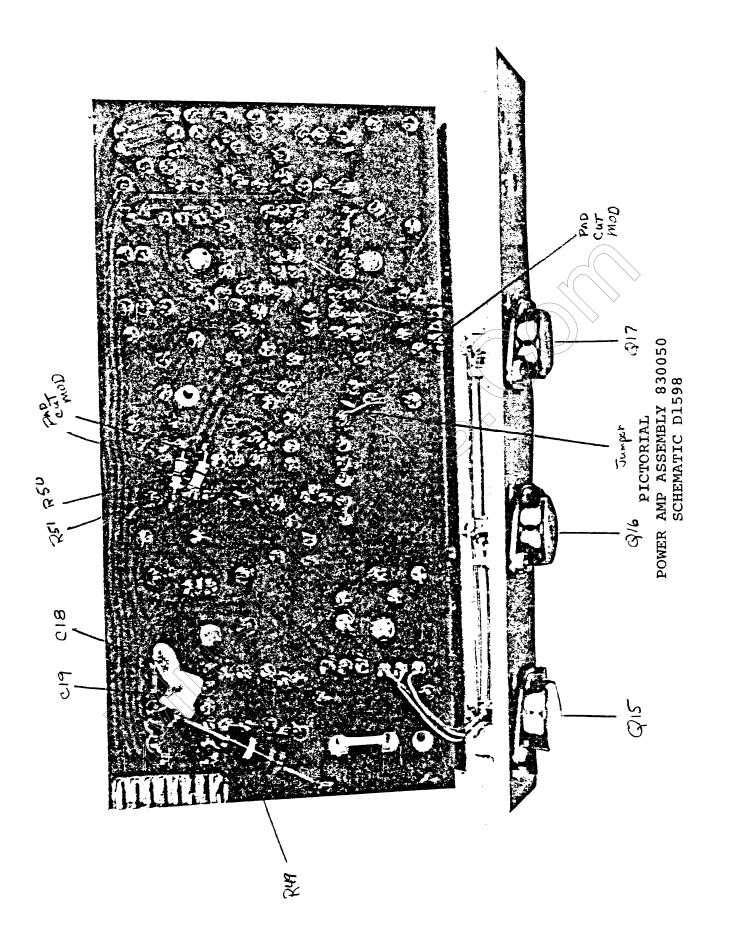
Parts List E.Q. Assembly 830046 Schematic C1575

Acoustic Part No.	170076 159007 159001 159001 159001 159001 159003 158007 158007 158003 158007 158003 1580003 1580003 158003 158003 158003 158003 158003 158003 158003
DESCRIPTION	Printed Cfrcuit Board Capacitor: Electrolytic, 1004, 50V Capacitor: Electrolytic, 1uf, 50V Capacitor: Electrolytic, 1uf, 50V Capacitor, Electrolytic, 1uf, 50V Capacitor, Electrolytic, 1uf, 50V Capacitor, Electrolytic, 1uf, 50V Capacitor, M., 06Buf Capacitor, M., 06Buf Resistor, 200 ohm, 52, 1/2watt Resistor, 100 ohm, 52, 1/
Schematic Reference	7090900000000000000 9-04400/8905555-0440-08400/8005555555555566666666666666666666666

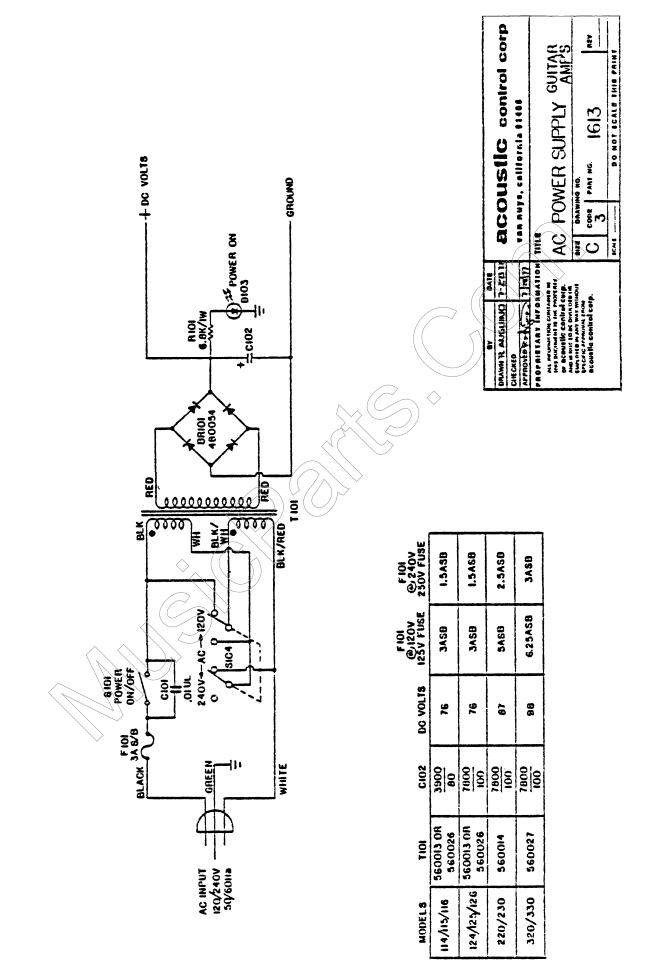








DESCRIPTION DESCRIPTION Description Printed Circuit Board 055CRIPTION Part Mo. Capacitor: Disc. 600r 01 170079 Capacitor: Disc. 600r 01 170079 Capacitor: Disc. 600r 01 150016 Capacitor: Disc. 600r 01 150016 Capacitor: Disc. 600r 01 150016 Capacitor: Disc. 600r 000r 150016 Capacitor: Disc. 600r 000r 150005 Capacitor: Disc. 001r 000r 150005 Capacitor: Disc. 001r 15000 150005 Capacitor: Disc. 001r 15000 150005 Capacitor: Disc. 001r 15000 150005 Capacitor: Disc. 001r 157010 157010 Capacitor: Disc. 001r 25 12/2441	Acoustic Part No.	476422 476368 476368 476368 476368 476368 476368 476322 476322 476322 476322 476322 476322 476322 476322 476322 476322 476322 476322 480005 48005 4805
Printed Circuit BoardDESCRIPTIONDESCRIPTIONPrinted Circuit Board170079Capacitor, Mi. 600 f157010Capacitor, Bick, 001 f157010Capacitor, Bick, 001 f157010Capacitor, Disc. 201 f157010Capacitor, Disc. 01 f177016Capacitor, Disc. 01 f177212Resistor10 fCapacitor, Disc. 01 f177212Resistor10 f<	DESCRIPTION	220K ohm, 5%, 1 68K ohm, 5%, 1 68K ohm, 5%, 1 180 ohm, 5%, 1 55 ohm, 5%, 1 22 ohm, 10%, 2 22 ohm, 5%, 1 22 ohm, 10%, 2 22 ohm, 10%, 2 20 ohm, 10%,
Printed Circuit Board Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Electrolytic, 100f, 100V Capacitor, Disc. 20pf Capacitor, Disc. 27pf Capacitor, Disc. 27pf Capacitor, Disc. 27pf Capacitor, Disc. 200pf Capacitor, Disc. 001uf Capacitor, Disc. 01uf Capacitor, Disc. 01uf Resistor, 20K ohm, 5%, 1/2watt Resistor, 10K ohm, 5%, 1/2watt Resistor, 18 ohm, 5%, 1/2watt	50	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Printed Circuit Board Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Disc. 680pf Capacitor, Electrolytic, 100f, 100V Capacitor, Disc. 20pf Capacitor, Disc. 27pf Capacitor, Disc. 27pf Capacitor, Disc. 27pf Capacitor, Disc. 200pf Capacitor, Disc. 001uf Capacitor, Disc. 01uf Capacitor, Disc. 01uf Resistor, 20K ohm, 5%, 1/2watt Resistor, 10K ohm, 5%, 1/2watt Resistor, 18 ohm, 5%, 1/2watt	Istic No.	22233 2233 2
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	Schematic Reference	Printed C Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Capacitor Resistor



	Acoustic Part No.	151015 151015 510035 510035 560026 610012 560026
Parts List Power Suppl y Schematic C1613	DESCRIPTION	Slow Blow Fuse Capacitor. Julu AC Line Capacitor. Jour AC Line Capacitor. Jour AC Line Resistor. 6.8K olm. jwatt Residge Restifier AC 1207-400 Voltage Switch Bridge Restifier ELD Power Indicator Power Transformer
	Schematic Reference	



March 29, 1978

TO: ALL ACOUSTIC SERVICE CENTERS

FROM: SERVICE DEPT.

SUBJECT: MODELS 220 & 230 ADDED THERMO STABLEITY

In order to increase the thermo stability and a even heat dissipation, the entire bottom of the Power Module Heatsink should be covered with thermo compound. This procedure should be implicated when having received a Model 220 or 230 Amplifier for repair where this coating has not already been done.

Thank Yog,

Thomas Leiker Service Manager

UNITS AFFECTED BEFORE SERIAL # MODELS AFFECTED BULLETIN # APPROVED DATE					
	UNITS AFFECTED BEFORE SERIAL #	MODELS AFFECTED	BULLETIN #	APPROVED	DATE
A/(Gwits) = 220 a 200	All ywits	220 & 230	1013	1972	3-29.28