Axe Grinder Manufacturer / Designer: **PAiA Electronics** Revision: 10/28/95 Model # Name: 5750 The Axe Grinder has been designed with a S1 - Cancel Effect couple of key fetures in mind, it not only allows S2 - Full Intensity a wide variety of distortion tones from the 5k Pot - Tone Control clipping part of the effect it also allows the user IC2a 500k Pot - Distortion Intensity √ 500k +9vto overload thier amp with a greatly boosted 100k Pot (by tone) - Distortion Level clean tone. The distorted tone and the clean 100k Pot (by IC2c) - Clean Level tone can be blended together for additional 100k S2 is a switch integrated into the 500k pot, 10k sound tailoring. Also the tone control only and is wired such that rotating the pot fully affects the distorted signal, and leaves the clean will allow you flip the switch and kick in the signal untouched. The "cancel" switch lets 15pf full intensity of the distortion. S1your guitar signal bypass the effect entirely. D2 +9vD1, D2 - 1N914 or 1N4148 D1 10M 0.1uf 10k All polarized caps 16v 1uf 10k IC1a IC1b 0.1uf In 10k 10M 1uf 4k7 +4.5v1k 100k 5k 1uf Out IC1d 10k 0.1uf +4.5v +9vIC2b 12k 1uf 1uf 10k 100pf IC1 - 4136 Quad Op-amp IC2 - 4066 Quad Switch 220k 0.1uf10k IC2c 10k IC2d 10uf +4.5vIC1c 10k 10uf +4.5v10M 100k