Disclaimer:

!!LETHAL VOLTAGES PRESENT also when turned off and disconnected from mains!!

Wait at least 5minutes before attempting any intervention. Use of mains isolation transformer of suitable power capacity is mandatory when trying to perform electrical measurements.

The present schematics are intended to assist in the repair of the VARIN1700 welding inverter. They were drawn by reverse engineering and I have attempted to ensure they are as accurate as possible. However since the circuit is at or above mains potential and high frequency electromagnetic fields are generated, I accept no responsibility for any loss, injury, death or inconvenience sustained by anyone using the information contained in the present schematics. All attempts of repair or modification should only be carried out by suitably qualified electronics engineers/technicians and on their sole responsibility. Please be careful as this electrical equipment is potentially dangerous when dismantled.

VARIN 1700 OVEYL CURR, PROT, VARSTROS SLOVENIA + 13'4Vsw CONTROL CIRCUIT CURLTUM F.B. +13.4V +13.4V +13'41 RTICT VAEF VCC LLAKE WHILE 112m2 ŕ, H-Knice omp UC DRIVE = 3845 NOT 160 HOUNTED 2 6 CNS-Z sn D OPTION 6800 1 220m TIG CTRL - N.C. BC 847 HODULE X5R B I necc HF AC FROM AUX WINDING 4701 1002 1002 Ln324 +310V TIGON VREF NOT MOUNTED +310V Tral BC 817 FROM (A)
POWER
SECT. 1027 BYV 648 27-200 7W 447 1 3302 OUT. F.B. + looy 3302 \$ BY620G 2301 3 £12V OUTPUT CULLET 1470m 35V ESK 3302 MAX(175A) 1834 1474/2W 4K7 LIN FILM B OVER TEMP. 2567 2033 (SA) 2VA PC817 RAW AUX SUPPLY 25V ESF JE EEZ CARY not 102 3 YELLAN OVER HEAT CERS CE 14 4310V BAW AVX SUPPLY SUNON KDEAZAZPTSA-GA FAN NOT MOUNTED Thermic . N.C. [+13.4V] DC12V 2203 K) RTA 4'8W +13.47 2703 (+13 × V/LW) 7812 OUT F.B -(PWR. SECT.) 4.8 V OUT F.B > VREF CAOV. 4v7 hice TAA 2203 FAN CIOVA CNZ X 849209 2203 CYON 147K ZW BC817 FF 14 14 8 10 1 ANTI STICK +13'4 Vsw HAIN2 GREEN DLZ 2002 PC817 Ce5 + 22 M 63 V 63 R 4

OUT F.B.

