

24 OCTOBER, 1994

BULLETIN.116

CP102 VOLTAGE CONTROL CIRCUIT

The triac IRT 50AC (WIA part no. CP102-11/2) is no longer manufactured, and no direct equivalent device is available. Therefore, it has been necessary to investigate other suitable control devices for use in the CP102 and Steadyweld 200.

The component selected is a dual back-to-back SCR assembly which performs a similar circuit function to a triac, but which requires different triggering signal connections.

Consequently, the CP102-11 pcb assembly is now replaced by a CP102-51, which incorporates the back-to-back SCR CP102-51/2 and modified trigger circuitry.

*The new assembly is currently being fitted to models CP102-4, Rev. C, and CP102-5, Rev. D, with the appropriate changes incorporated in the owners manual dated 06/94.

The operational and welding properties of the CP102 are not affected by this change.

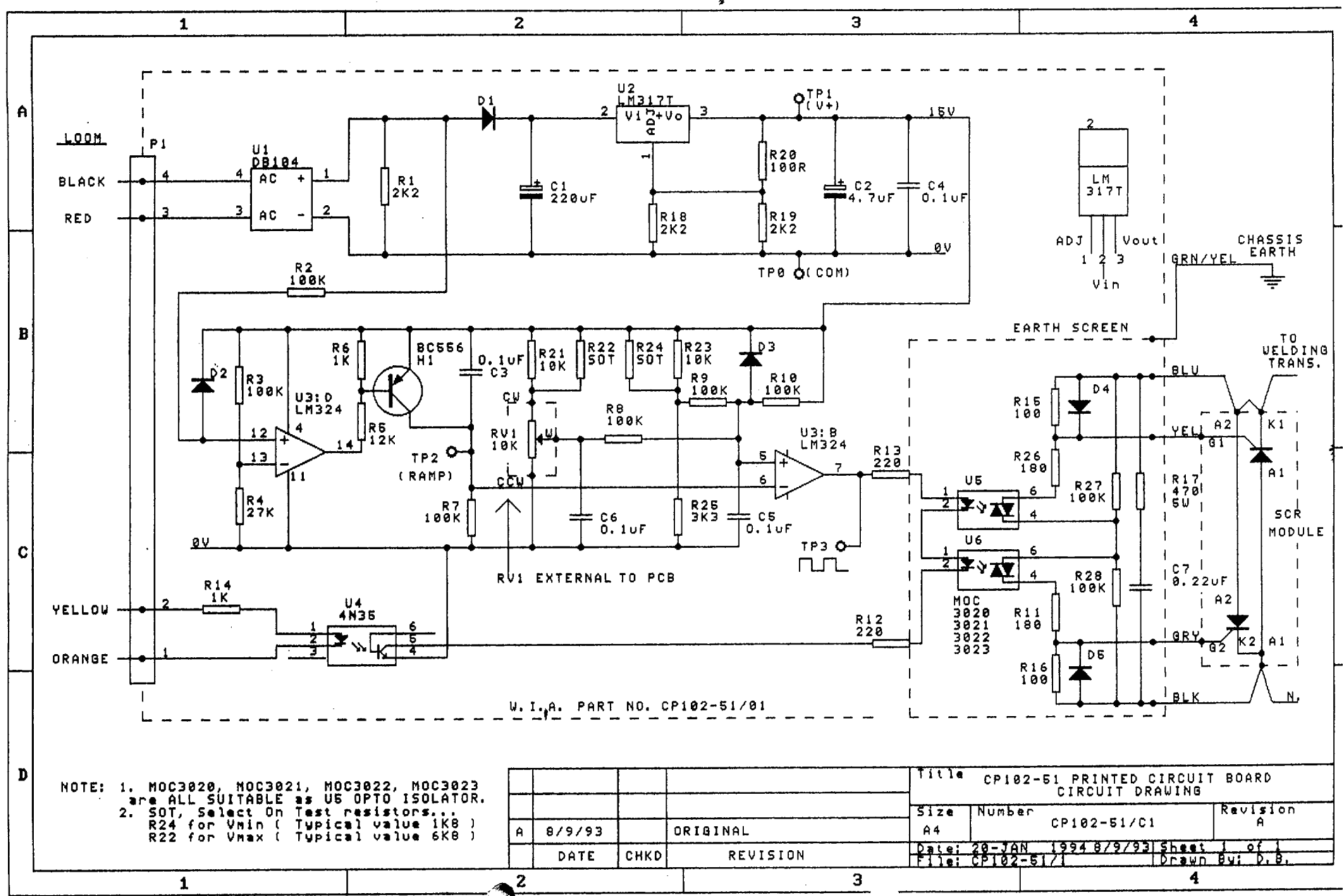
Attached are circuit diagrams for the CP102-51 assembly, and the CP102 complete.



GARY CHEESMAN

MARKETING MANAGER EQUIPMENT

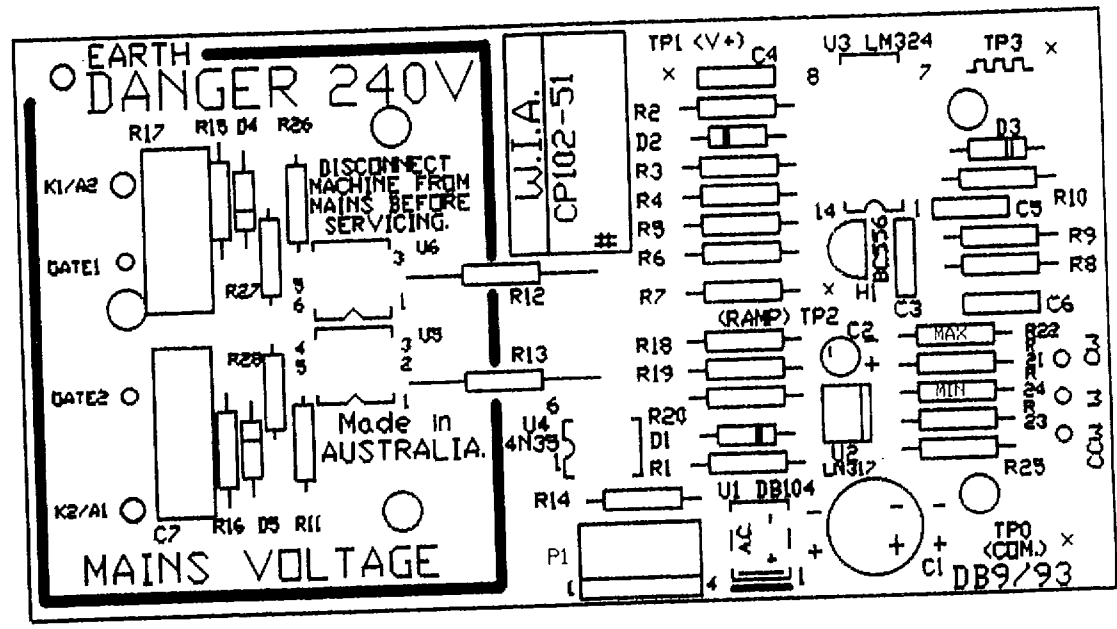
QUALITY WELDING PRODUCTS, SYSTEMS & SERVICE



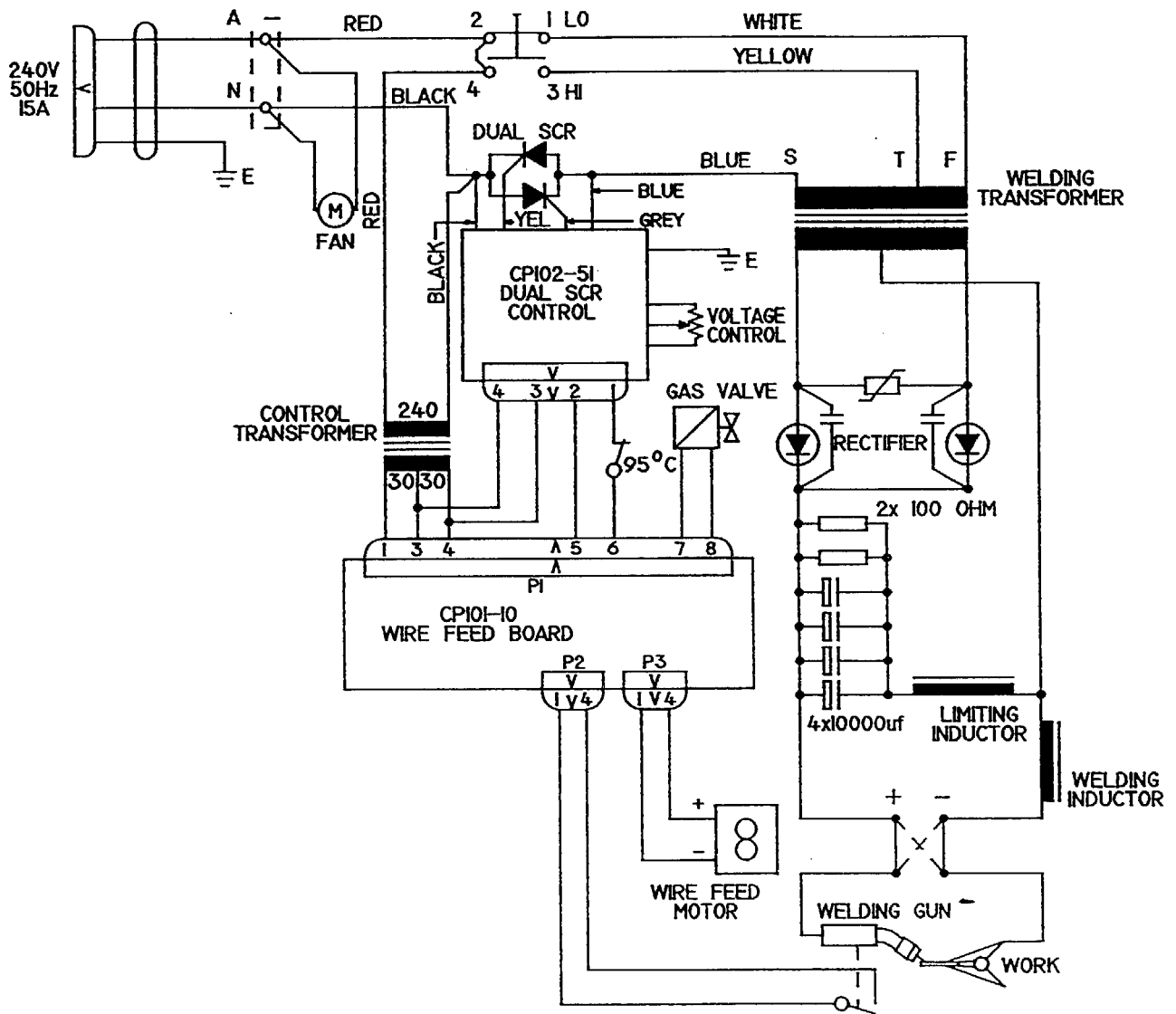
NOTE: 1. MOC3020, MOC3021, MOC3022, MOC3023 are ALL SUITABLE as U5 OPTO ISOLATOR.
 2. SOT, Select On Test resistors...
 R24 for Vmin (Typical value 1K8)
 R22 for Vmax (Typical value 6K8)

A	8/9/93	ORIGINAL	
	DATE	CHKD	REVISION

Title CP102-51 PRINTED CIRCUIT BOARD CIRCUIT DRAWING		
Size A4	Number CP102-51/C1	Revision A
Date: 20-JAN 1994 8/9/93	Sheet 1 of 1	Drawn By: D.B.
File: CP102-51/1		



CP102511 Top Overlay



			WELDING INDUSTRIES OF AUSTRALIA 5 Allan Street, Melrose Park, S.A.5039	
			TITLE WELDMATIC 205S CIRCUIT DIAGRAM	
C	24/6/90	ZC	REDRAWN TO SHOW UPGRADED DUAL SCR CONTROL PCB ASSY. PID 054	DRAWN <i>MW</i>
B			REDRAWN TO SHOW POLARITY CHANGE & 4 CAPACITORS	
A			ISSUE FOR MANUFACTURE	DRAWING No. CP102-C1
ISSUE	DATE	CHK'D & APP'D	REVISION	
THIRD ANGLE PROJECTION				

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