TRACE ELLIOT SERVICE MANUAL NO. SM00011 ISSUE 1

Date: October 28, 1996

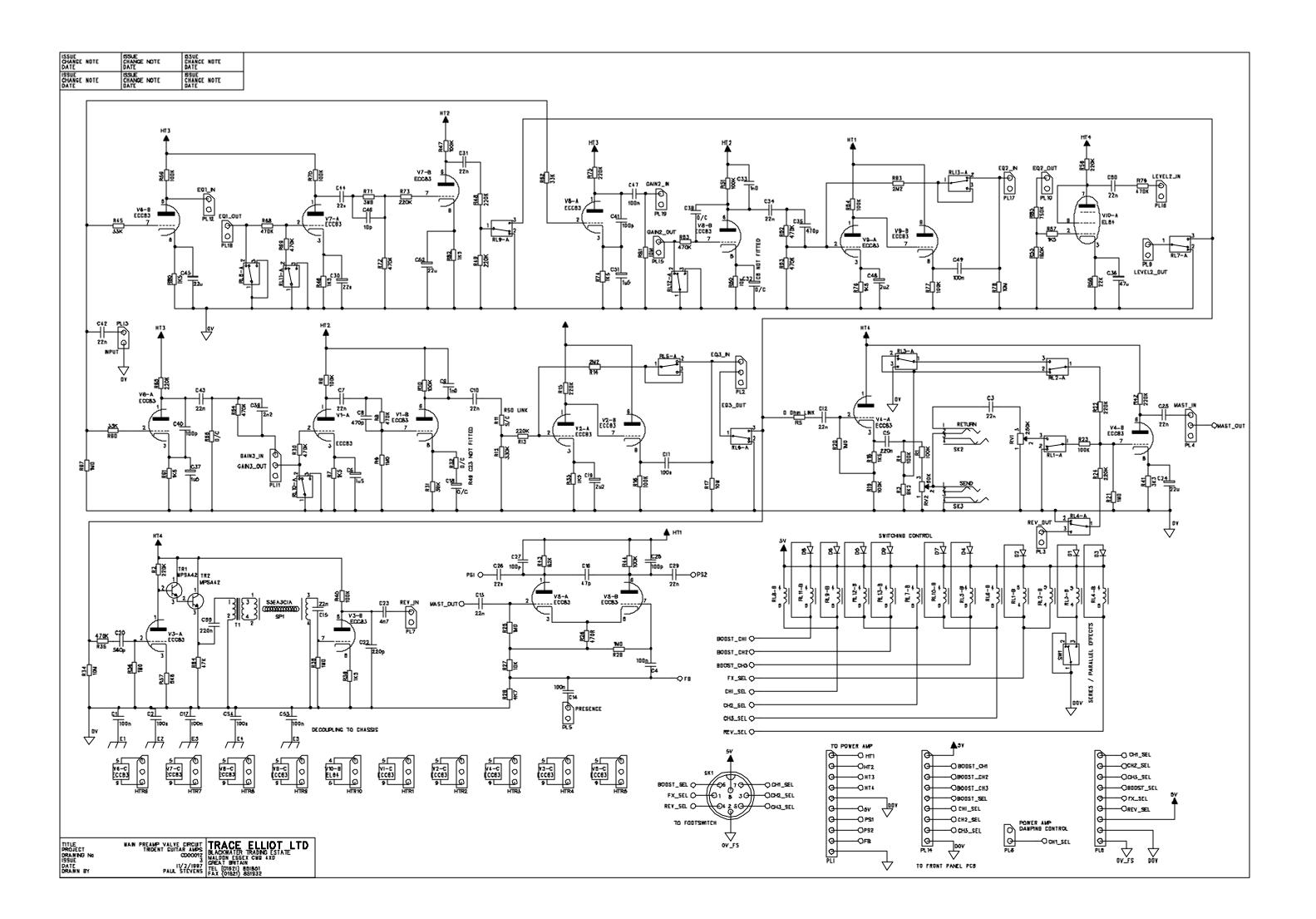
Product Code : T3200 / T3220

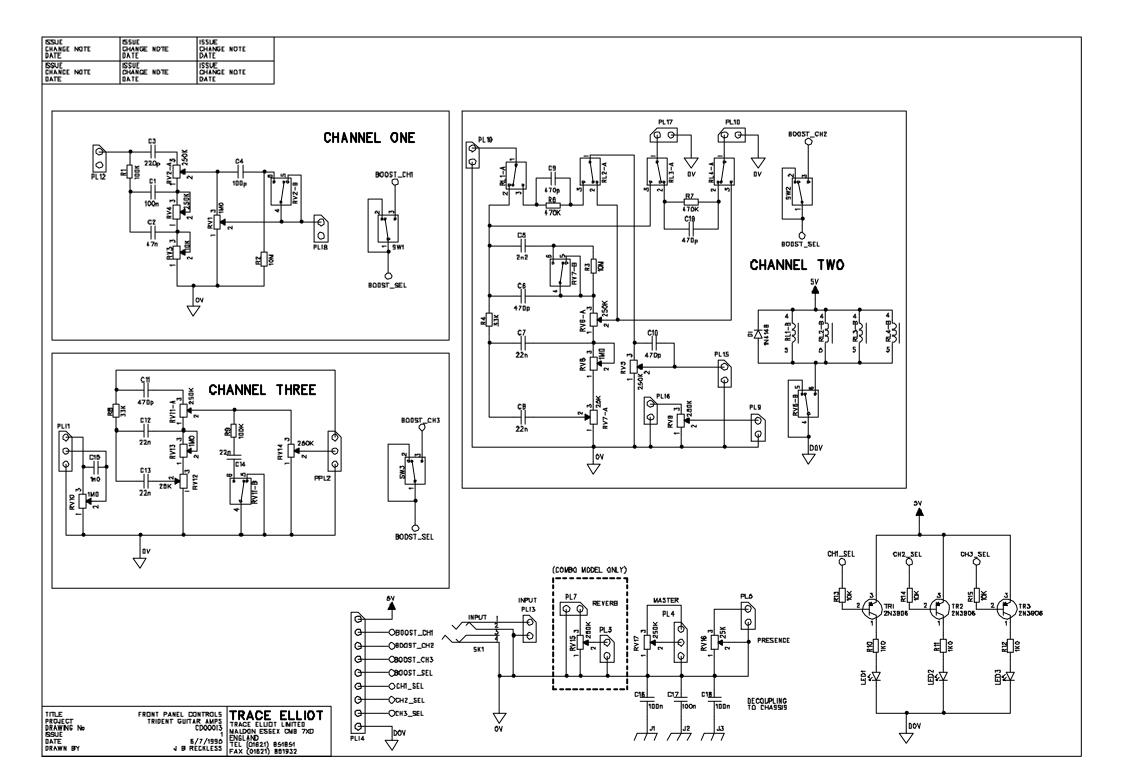
Model No: Trident H100 / C100

Technical File No: TE00011

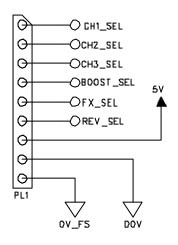
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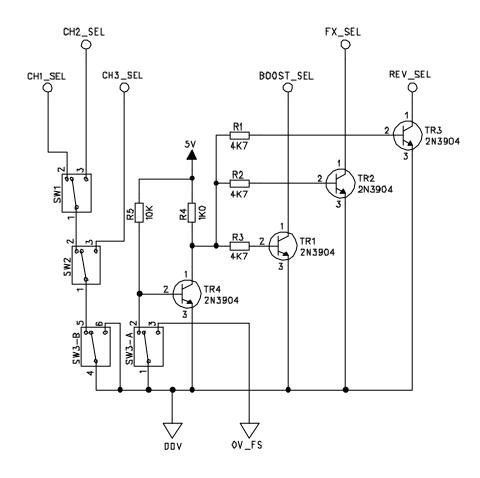
Trace Elliot Limited.
Blackwater Trading Estate
The Causeway, Maldon
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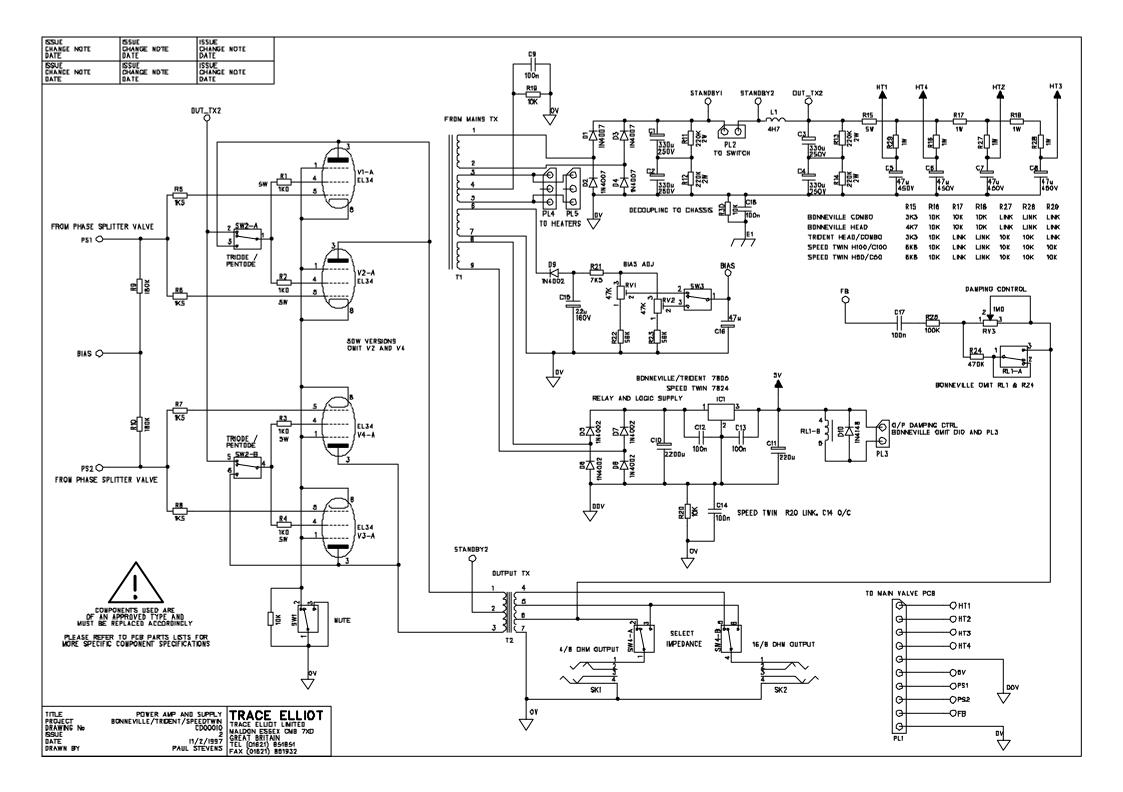




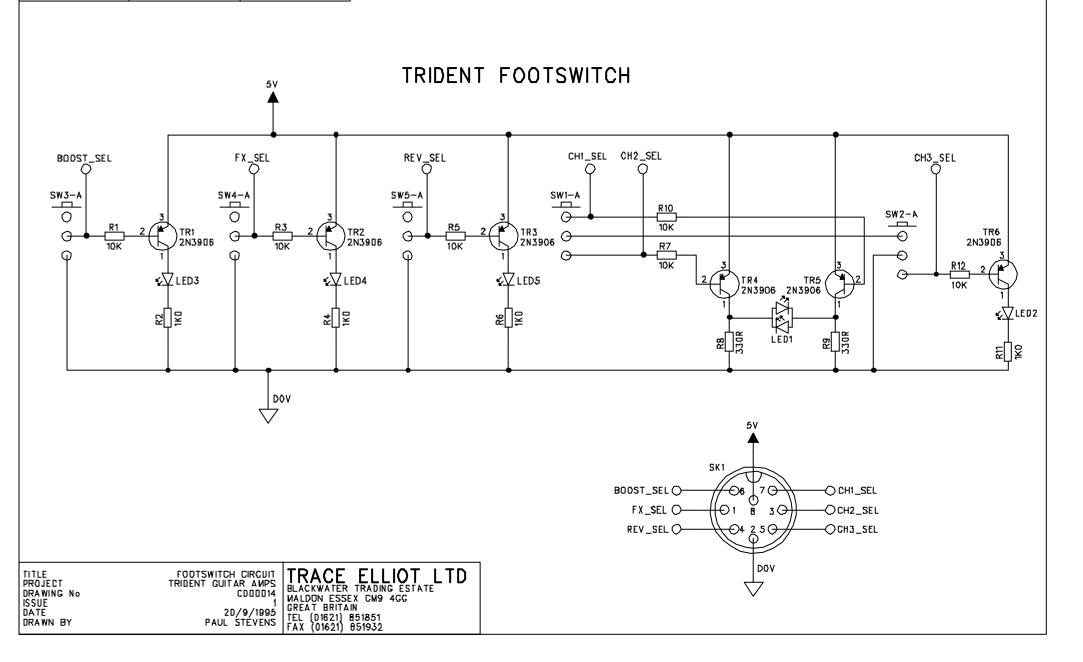
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PROJECT
DRAWING No
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REAR PANEL SWITCHING TRIDENT GUITAR AMPS CD00027 1 2D/9/1995 J B RECKLESS

TRACE ELLIOT
TRACE ELLIOT LIMITED
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PARTS LIST FOR TRIDENT HEAD MAIN PCB

ISSUE 3 11/2/97 PS

Description	Part Code	Qty	ISSUE 3 11/2/97 PS Where Used
PCB	PC00015 issue 3	1	
RESISTORS			
0 ohm link	72-RCZERO	2	R5 R11
470R 1/4W	72-RM470R	1	R5 R11
1K5 1/4W	72-RM1K5	10	R7 R18 R33 R46 R57 R61
	72 MW110	1,0	R74 R76 R80 R82
3K3 1/4W	72-RM3K3	1	R41
4K7 1/4W	72-RM4K7	1	R28
8K2 1/4W	72-RM8K2	1	R3
10K 1/4W	72-RM10K	2	R27 R50
22K 1/4W	72-RM22K	1	R58
33K 1/4W	72-RM33K	3	R45 R60 R62
39K 1/4W	72-RM39K	1	R31
82K 1W	72-RM82K-1WATT	1	R43
100K 1/4W	72-RM100K	3	R1 R4 R23
100K 1W	72-RM100K-1WATT	11	R6 R10 R16 R19 R44 R47
			R51 R54 R59 R70 R77
180K 1W	72-RM180K	1	R55
220K 1/4W	72-RM220K	5	R13 R22 R48 R49 R73
220K 1W	72-RM220K-1WATT	5	R15 R42 R56 R65 R75
330K 1/4W	72-RM330K	1	R12
470K 1/4W	72-RM470K	10	R8 R30 R52 R53 R63 R64 R68 R69 R72 R79
750K 1/4W	72-RM750K	1	R85
1M0 1/4W	72-RM1M	6	R9 R20 R21 R25 R29 R67
2M2 1/4W	72-RM2M2	2	R14 R83
3M9 1/4W	72-RM3M9	1	R71
10M 1/4W	72-RM10M	4	R17 R34 R78 R81
DIODES			
IN4148	72-D-IN4148	8	D1 D2 D4 D5 D6 D7 D8 D9
······································		<u> </u>	
·	 	 	
CAPACITORS			
UAFAUTURS		<u> </u>	
10p 500V ceramic	72-C10P-500VC	1	C46
47p 500V ceramic	72-C47P-500VCD	1	C16

100p	100p 1KV ceramic	170 01000		
1n0			4	C27 C28 C40 C41
1				
1u5			 _	C9 C33
2U2 35V tant 72-C2.2-35VT 2 C19 C48	Znz 1KV ceramic	72-C2200P-1KVCD	_ 1	C39
2U2 35V tant 72-C2.2-35VT 2 C19 C48	4.5			
22U 63V elect rad 72-C22-63VFR 4 C24 C30 C45 C52			3	C6 C37 C51
22U 63V elect rad 72-C22-63VER 4 C24 C30 C45 C52			2	
22n 400V poly box 72-C22N-400VPR 13 C3 6			4	
100n 250V poly box 72-C100N-250VB 10 C1 C2 C4 C11 C14 C17 C47 C49 C50 C53 C54 C55 C55 C55	47u 63V elect rad	72-C47-63VER	1	
100n 250V poly box 72-C100N-250VB 10 C1 C2 C4 C11 C14 C17 C47 C49 C50 C53 C54 C55 C55 C55			1	
220n 250V poly box 72-C220N-250VP 1 C5 RELAYS Omron G5V-1 SPCO 73-RELAY-5V-SPCO 12 RL1 RL2 RL3 RL5 RL6 RL7 RL8 RL9 RL10 RL11 PL12 RL13 CONNECTORS 2 way 0.1" 72-HEAD-2W 11 PL5 PL8 PL9 PL10 PL12 PL13 PL15 PL16 PL17 PL18 PL19 3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 PL1 PL12 PL12 PL13 PL15 PL16 PL17 PL18 PL19 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 PL11 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1 SK1 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2			13	C26 C29 C31 C34 C42 C43
ZSUN Poly Box 72-C220N-250VP 1 C5	100n 250V poly box	72-C100N-250VB	10	
Omron G5V-1 SPCO 73-RELAY-5V-SPCO 12 RL1 RL2 RL3 RL5 RL6 RL7 RL8 RL9 RL10 RL11 PL12 RL13 CONNECTORS 1 PL5 PL8 PL9 PL10 PL12 PL13 PL15 PL16 PL17 PL18 PL19 3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 PL11 SOCKETS 1 PL1 SK1 SK1 SK2 SK3 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1 SK1 SK2 SK3 SWITCHES 1 SW1 POTENTIOMETERS 5 SK4 50K 73-POT-B50K 1 RV2	220n 250V poly box	72-C220N-250VP	1	
12 RL3 RL3 RL5 RL6 RL7 RL10 RL11 PL12 RL13 RL10 RL11 PL12 PL13 PL15 PL16 PL17 PL18 PL19 P	RELAYS		<u> </u>	
12 RL3 RL3 RL5 RL6 RL7 RL10 RL11 PL12 RL13 RL10 RL11 PL12 PL13 PL15 PL16 PL17 PL18 PL19 P				
CONNECTORS 2 way 0.1" 72-HEAD-2W 11 PL5 PL8 PL9 PL10 PL12 PL13 PL15 PL18 PL19 PL18 PL19 3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 PL11 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1 SK1	Omron G5V-1 SPCO	73-RELAY-5V-SPCO	12	RL8 RL9 RL10
2 way 0.1" 72-HEAD-2W 11 PL5 PL8 PL9 PL10 PL12 PL13 PL15 PL16 PL17 PL18 PL19 3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 10 way 0.1" 72-HEAD-10W 1 PL1 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2			T	TALL TALL
3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 10 way 0.1" 72-HEAD-10W 1 PL1 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 RV2	CONNECTORS			
3 way 0.1" 72-HEAD-3W-2 13 HTR1 HTR2 HTR3 HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 10 way 0.1" 72-HEAD-10W 1 PL1 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 RV2			- -	
3 way 0.1"	2 way 0.1"	72-HEAD-2W	11	PL10 PL12 PL13 PL15 PL16 PL17
### HTR4 HTR5 HTR6 HTR7 HTR8 HTR9 HTR10 PL2 PL4 PL11 9 way 0.1" 72-HEAD-9W 2 PL6 PL14 10 way 0.1" 72-HEAD-10W 1 PL1 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1 SK1 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2	3 way 0.1"	72-HEAD-3W-2	13	
9 Way 0.1" 72-HEAD-9W 10 Way 0.1" 72-HEAD-10W 1 PL1 SOCKETS 8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2			,	HTR4 HTR5 HTR6 HTR7 HTR8 HTR9
SOCKETS		72-HEAD-9W	2	
8 pin DIN SKT PCB 73-SKT-DIN-8PIN 1 SK1 1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2	10 way 0.1"	72-HEAD-10W	1	
1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES SW1 Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2	SOCKETS			
1/4" MONO JACK SKT 73-SKT-JCKBNBG 2 SK2 SK3 SWITCHES SWITCHES SW1 Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 73-POT-B50K 1 RV2	8 pin DIN SKT PCB	73-SKT-DIN-8PIN	1	SK1
Mini Toggle SPDT vert 73-SWT-M-TGL-PCB 1 SW1 POTENTIOMETERS 50K 73-POT-B50K 1 RV2	1/4" MONO JACK SKT			
POTENTIOMETERS 50K 73-POT-B50K 1 RV2	SWITCHES			
50K 73-POT-B50K 1 RV2	Mini Toggle SPDT vert	73-SWT-M-TGL-PCB	1	SW1
250K	POTENTIOMETERS			
250K	50K	70 DOT 5501		
73-POT-A250K 1 RV1	······································		<u> </u>	
	2001(173-POT-A250K	1	RV1

VALVE BASES				
B9A PCB valve base	73-VAL-SOCKET	10	V1-10	— <u>-</u>
COAX WIRE LINKS				
LINK A	45-WIR-SCRE-1R	1	A-A ~120mm	
LINK B	45-WIR-SCRE-1R	1	B-B ~120mm	
LINK C	45-WIR-SCRE-1R	1	C-C ~220mm	

11 FEBRUARY 1997

Paul Stevens

PARTS LIST FOR TRIDENT HEAD FRONT PCB

Description	Part Code	Qty	Where Used
РСВ	PC00016	1	
RESISTORS			
1K0 1/4W	72-RM1K0	3	R10 R11 R12
10K 1/4W	72-RM10K	3	R13 R14 R15
33K 1/4W	72-RM33K	2	R4 R8
100K 1/4W	72-RM100K	2	R1 R9
470K 1/4W	72-RM470K	2	R6 R7
10M 1/4W	72-RM10M	2	R2 R3
DIODES			
IN4148	72-D-IN4148	1	D1
CAPACITORS			
150p 500V ceramic	72-C150P-CER-R	1	C4
220p 1KV ceramic	72-C220P-1KVCD	1	C3
470p 1KV ceramic	72-C470P-1KVCD	5	C6 C9 C10 C11 C19
1n0 1KV ceramic	72-C1000P-1KVCD	† 1	C15
2n2 1KV ceramic	72-C2200P-1KVCD	1	C5
22n 400V poly box	72-C22N-400VPR	5	C7 C8 C12 C13 C14
47n 400V poly box	72-C47N-400VP	1	C2
100n 250V poly box	72-C100N-250VB	4	C1 C16 C17 C18
TRANSISTORS			
2N3906	72-T2N3906	3	TR1 TR2 TR3
LEDS			
3mm GRN LED	72-LED-GRN-3mm	1	LED1
3mm YEL LED	72-LED-YEL-3mm	1	LED2
3mm RED LED	72-LED-RED-3mm	1	LED3
RELAYS			
Omron G5V-1 SPCO	73-RELAY-5V-SPCO	4	RL1 RL2 RL3 RL4
CONNECTORS			
0			
2 way 0.1"	72-HEAD-2W	10	PL5 PL9 PL10

			751.45		
		1	PL12	PL13	PL15
			PL16	PL17	PL18
2 4404 0 4"	70 115 4 D 014 (0	 	PL19	·	
3 way 0.1"	72-HEAD-3W-2	3	PL2 PL	4 PL11	
9 way 0.1"	72-HEAD-9W	1	PL14		
SOCKETS		-			
SUCKEIS		- 			
1/4" MONO JACK SKT	73-SKT-JCKBNBG	1	SK1		
POTENTIOMETERS		 			
		 			·
10K LOG	73-POT-A10K	1	RV3	<u> </u>	
25K LOG	73-POT-A25K	1	RV12	··	
25K LIN	73-POT-B25K	1	RV16		
25K with Pull Switch	73-POT-A25K-PS	1	RV7		<u> </u>
250K LOG	73-POT-A250K	5	RV4	RV5	RV9
			RV14	RV17	
250K with Pull Switch	73-POT-A250K-PS	3	RV2	RV6	RV11
1M0 LOG	73-POT-A1M	4	RV1	RV8	RV10
		1	RV13		
SWITCHES	(underneath board)	<u> </u>		<u></u>	,
Mini Togala CDDT havi-	70.04/7.14/1.70				
Mini Toggle SPDT horiz	73-SWT-MIN-TGL-H	3	SW1	SW2	SW3
WIRE LINK	~	 			
BLACK 16 or 24/0.2	45-MISC	1	A - A ~4	Omm	
				·/· ·····	··w

22 FEBRUARY 1996

Paul Stevens

PARTS LIST FOR PC00013T TRIDENT HEAD/COMBO POWER BOARD

ISSUE 3(23/9/96) PS

ISSUE 3(23/9/90				9/96) PS		
Description	Part Code	Qty		Whe	re Use	d
РСВ	PC00013	1				
RESISTORS						
0 Ohm Link	72-RCZERO	3	R17	R18	R29	
1K5 1/4W	72-RM1K5	4	R 5	R6	R7	R8
10K 1/4W	72-RM10K	3.	R19	R20	R30	110
12K 1/4W	72-RM12K	1	R21	1120	1100	
56K 1/4W	72-RM56K	3	R22	R23	R24	
100K 1/4W	72-RM100K	1	R25	TILO	- 1 (42. 1	
180K 1/4W	72-RM180K	2	R9	R10		
10K 1W	72-RM10K-1WATT	4	R16	R27	R28	
		'		cross		
220K 2W	72-RC220K-2W	4	R11	R12	R13	R14
1K 4W	72-RWW1K-6W	4	R1	R2	R3	R4
3K3 4W	72-RWW3K3-4W	1	R15			
DIODES						
1N4002	72-D-IN4002	5	D5	D6	D7	D8
** **			D9			
1N4007	72-D-IN4007	4	D1	D2	D3	D4
1N4148	72-D-IN4148	1	D10			
CAPACITORS						
100n 250V poly box	72-C100N-250VB	6	C9 C17	C12 C18	C13	C14
22u 160V elect radial	72-C22-160VER	1	C15		· · · · · · · · · · · · · · · · · · ·	
47u 63V elect radial	72-C47-63VER	1	C16			
220u 25V elect radial	72-C220-25VER	1	C11			
2200u 16V elect radial	72-C2200-16VER	1	C10			
47u 450V elect radial	73-CAP47450V	4	C5	Ç6	C7	C8
330u 250V elect radial	73-CAP-330250V	4	C1	C2	C3	C4
I.C.S						
7805 5V REGULATOR	72-7805-REG	1	IC1			
RELAY						
NELAT		<u> </u>				
5V SPCO G5V-1	73-RELAY-5V-SPCO	1	RL1			

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CONNECTORS						·
2 way 0.1"	72-HEAD-2W	2	PL2	PL3		
3 way 0.1"	72-HEAD-3W2	2	PL4	PL5		
10 way 0.1"	72-HEAD-10W	1	PL1			·-···
7 way 0.2"	72-HEAD-7W-2	1	T2			
9 way 0.2"	72-HEAD-9W-2	1	T1			
SOCKETS						
1/4" MONO JACK PCB	73-SKT-JCKBNBG	2	SK1	SK2		
SWITCHES			<u> </u>			
Mini Toggle SPDT vertical	73-SWT-M-TGL-PCB	2	SW1	SW3		
Large slide DPDT horiz	73-SWT-SLIDER-DP	2	SW2	SW4		
POTENTIOMETERS	***					
47K vertical trimmer	72-PRESET-47K-V	2	RV1	RV2		
1M0	73-POT-A1M	1	RV3			
VALVE BASES			<u> </u>			
Octal PCB valve base	73-VAL-SOCKET-2	4	V1	V2	V3	V4

PARTS LIST FOR TRIDENT REAR PANEL SWITCHING PCB

Description	Part Code	Qty	Where Used
PCB	PC00027	1	
RESISTORS		<u> </u>	
RESISTORS			
1K0 1/4W	72-RM1K0	1	R4
4K7 1/4W	72-RM4K7	3	R1 R2 R3
10K 1/4W	72-RM10K	1	R5
CONNECTORS			
9 way 0.1"	72-HEAD-9W	1	PL1
TRANSISTORS			
2N3904	72-T2N3904	4	TR1 TR2 TR3 TR4
SWITCHES			
Mini Toggle SPDT vert	73-SWT-M-TGL-PCB	2	SW1 SW2
Mini Toggle DPDT vert	73-SWT-M-TGL-VCO	1	SW3
	(MORS 5246WWA)		
SUPPORT BRACKET			
M3 Right Angle PCB	71-BKT-M3-PCB-RA	2	

6 JUNE 1995 Paul Stevens

PARTS LIST FOR TRIDENT FOOTSWITCH PCB

Description	Part Code	Qty	Where Used
РСВ	PC00014	1	
RESISTORS			
330R 1/4W	72-RM330R	2	R8 R9
1K0 1/4W	72-RM1K0	4	R2 R4 R6 R11
10K 1/4W	72-RM10K	6	R1 R3 R5 R7 R10 R12
TRANSISTORS			
2N3906	72-T2N3906	6	TR1 TR2 TR3 TR4 TR5 TR6
SOCKET	3		
8 pin DIN socket	73-SKT-DIN-8PIN	1	SK1
Spacers	71-SPA-16MM	5	
LED's			
BI-COLOUR LED 5mm	72-LED-BICOLOUR	1	LED1
RED LED 5mm	72-LED-RED	2	LED2 LED3
GREEN LED 5mm	72-LED-GREEN	2	LED4 LED5
SWITCHES			
Footswitch	73-SWT-F/S-TVT9	5	SW1 SW2 SW3 SW4 SW5
19 ILINE 1995		1	74

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