



POWER CIRCUIT		CONTROL CIRCUIT		METER CIRCUIT		VOLTAGE CIRCUIT		COMPONENTS NOT ON P.C. BOARD		KEY TO SYMBOLS		ELECTRICAL SYMBOLS PER E1537	
C101 .005 MFD	F101 1/2 A. SLOW BLOW FUSE	C201 .022 MFD	R204 1.00K OHM 1/4W 1%	R232 100 OHM	C401 500 MFD	C402 4.7 MFD	F501 1/8 AMP FAST BLOW FUSE	R1 2 OHM 50W	R1	●	INPUT CABLE CONNECTION	R	BLACK
C102 .047 MFD		C202 .022 MFD	R205 2.94K OHM 1/4W 1%	R233 6.8K OHM	C403 27 MFD	C501 4.7 MFD	F502 1/8 AMP FAST BLOW FUSE	R2 10K OHM 2W POT.	R2	○	POWER OF SIGNAL SOURCE POINT	B	RED
C103 .047 MFD		C203 .022 MFD	R206 15K OHM	R234 2.7K OHM	C404 100 OHM	C502 .005 MFD		R3 10K OHM 2W POT.	R3	○	REMOVABLE CONNECTION	U	BLUE
C104 .022 MFD		C204 18 MFD	R207 10K OHM	R235 10K OHM	C405 100 OHM	C503 4.7 MFD	OC1501 OPTO-ISOLATOR	R4 22K OHM	R4	○	COMMON CONNECTION	W	WHITE
C105 .01 MFD	R101 40 OHM 12 W	C205 4.7 MFD	R208 100K OHM TRIMMER	R236 15K OHM	C406 .022 MFD	C504 4.0 MFD		R5 0.1 OHM	R5	○	THRU (A) THRU (G) SOURCE POINT CIRCUIT LOCATION		
C106 .50 MFD	R102 100K OHM	C206 .47 MFD	R209 10K OHM	R237 10K OHM	C407 .022 MFD	C505 .47 MFD	O501 2N4123	CR2 WELD CURRENT-REED SWITCH	CR2	○			
C107 .150 MFD	R103 330 OHM	C207 18 MFD	R210 10K OHM	R238 15K OHM	C506 .022 MFD	C506 .022 MFD	O502 2N4857	CR4 G.L.P. REED SWITCH	CR4	○			
C108 2.1 MFD	R104 1K OHM	C208 4 MFD	R211 5.6K OHM	R239 15K OHM	C507 .022 MFD	C507 .022 MFD	O503 MPS442	S1 SPST TRIGGER SWITCH	S1	○			
C109 .15 MFD	R105 10K OHM	C209 4 MFD	R212 15K OHM	R240 5.6K OHM	C508 .39 MFD	C508 .39 MFD	O504 2N4123	S2 DPDT HOT-COLD INTERLOCK SWITCH	S2	○			
C110 .005 MFD	R106 100K OHM	C210 4.7 MFD	R213 4.7K OHM	R241 15K OHM	C509 .022 MFD	C509 .022 MFD	O505 2N4857	S3 DPDT POLARITY SWITCH	S3	○			
C111 .005 MFD	R107 10 OHM	C211 .15 MFD	R214 15K OHM	R242 560 OHM	C510 1.8 MFD	C510 1.8 MFD	O506 2N4857	S4 SPST G.L.P. RESET SWITCH	S4	○			
C112 .02 MFD	R108 2.2K OHM	C212 .022 MFD	R215 10K OHM	R243 10 OHM	C511 .022 MFD	C511 .022 MFD	O507 MPS442	S5 DPDT SET-ACTUAL SWITCH	S5	○			
C113 .02 MFD	R109 15K OHM	C213 .022 MFD	R216 1K OHM	R244 270 OHM	C512 .022 MFD	C512 .022 MFD	O508 2N4857	S6 3 POLE VOLTS-SPEED SELECTOR SWITCH	S6	○			
C114 .022 MFD	CR101 3PDT 24 VDC	C214 4.7 MFD	R217 1K OHM		C513 .022 MFD	C513 .022 MFD	O509 2N4857	S7 DPDT DIRECTION SWITCH	S7	○			
C115 .022 MFD	CR102 12A, 400V	C215 18 MFD	R218 1K OHM		C514 .022 MFD	C514 .022 MFD	O510 2N4857	TP1 POWER SUPPLY TRANSFORMER	TP1	○			
D101 16A	SCR101 12A, 400V	C216 100pF	R219 33K OHM	X201 I.C. REGULATOR	C515 .022 MFD	C515 .022 MFD	O511 2N4857	TP5 150VAC TRANSIENT PROTECTOR	TP5	○			
D102 16A	SCR102 12A, 400V	C217 100pF	R220 50K OHM TRIMMER	X202 I.C. TACHIMETER	C516 .022 MFD	C516 .022 MFD	O512 2N4857			○			
D103 1A	Q101 2N5655	C218 100pF	R221 15K OHM	X203 I.C. OJAD OP-AMP	C517 .022 MFD	C517 .022 MFD	O513 2N4857			○			
D104 1A	Q102 2N5655	C219 100pF	R222 10K OHM TRIMMER	X204 I.C. OJAD OP-AMP	C518 .022 MFD	C518 .022 MFD	O514 2N4857			○			
D105 1A	Q103 MPS A92	C220 100pF	R223 33K OHM		C519 .022 MFD	C519 .022 MFD	O515 2N4857			○			
D106 THRU D116	PT101 1H11 PULSE TRANS.	C221 100pF	R224 100K OHM	O201 2N4123	C520 .022 MFD	C520 .022 MFD	O516 2N4857			○			
DZ101 15V, 5W	TP101 TRANSIENT PROTECTOR	C222 100pF	R225 1K OHM	O202 2N4126	C521 .022 MFD	C521 .022 MFD	O517 2N4857			○			
DZ102 10V, 5W	TP102 TRANSIENT PROTECTOR	C223 100pF	R226 10K OHM	O203 2N4126	C522 .022 MFD	C522 .022 MFD	O518 2N4857			○			
		C224 100pF	R227 6.8K OHM	O204 2N4126	C523 .022 MFD	C523 .022 MFD	O519 2N4857			○			
		C225 100pF	R228 10K OHM	O205 2N4126	C524 .022 MFD	C524 .022 MFD	O520 2N4857			○			
		C226 100pF	R229 20K OHM TRIMMER	O206 2N4123	C525 .022 MFD	C525 .022 MFD	O521 2N4857			○			
		C227 100pF	R230 27K OHM	O207 2N5816	C526 .022 MFD	C526 .022 MFD	O522 2N4857			○			
		C228 100pF	R231 15 OHM	O208 2N6027	C527 .022 MFD	C527 .022 MFD	O523 2N4857			○			
		C229 100pF			C528 .022 MFD	C528 .022 MFD	O524 2N4857			○			
		C230 100pF			C529 .022 MFD	C529 .022 MFD	O525 2N4857			○			
		C231 100pF			C530 .022 MFD	C530 .022 MFD	O526 2N4857			○			
		C232 100pF			C531 .022 MFD	C531 .022 MFD	O527 2N4857			○			
		C233 100pF			C532 .022 MFD	C532 .022 MFD	O528 2N4857			○			
		C234 100pF			C533 .022 MFD	C533 .022 MFD	O529 2N4857			○			
		C235 100pF			C534 .022 MFD	C534 .022 MFD	O530 2N4857			○			
		C236 100pF			C535 .022 MFD	C535 .022 MFD	O531 2N4857			○			
		C237 100pF			C536 .022 MFD	C536 .022 MFD	O532 2N4857			○			
		C238 100pF			C537 .022 MFD	C537 .022 MFD	O533 2N4857			○			
		C239 100pF			C538 .022 MFD	C538 .022 MFD	O534 2N4857			○			
		C240 100pF			C539 .022 MFD	C539 .022 MFD	O535 2N4857			○			
		C241 100pF			C540 .022 MFD	C540 .022 MFD	O536 2N4857			○			
		C242 100pF			C541 .022 MFD	C541 .022 MFD	O537 2N4857			○			
		C243 100pF			C542 .022 MFD	C542 .022 MFD	O538 2N4857			○			
		C244 100pF			C543 .022 MFD	C543 .022 MFD	O539 2N4857			○			
		C245 100pF			C544 .022 MFD	C544 .022 MFD	O540 2N4857			○			
		C246 100pF			C545 .022 MFD	C545 .022 MFD	O541 2N4857			○			
		C247 100pF			C546 .022 MFD	C546 .022 MFD	O542 2N4857			○			
		C248 100pF			C547 .022 MFD	C547 .022 MFD	O543 2N4857			○			
		C249 100pF			C548 .022 MFD	C548 .022 MFD	O544 2N4857			○			
		C250 100pF			C549 .022 MFD	C549 .022 MFD	O545 2N4857			○			
		C251 100pF			C550 .022 MFD	C550 .022 MFD	O546 2N4857			○			
		C252 100pF			C551 .022 MFD	C551 .022 MFD	O547 2N4857			○			
		C253 100pF			C552 .022 MFD	C552 .022 MFD	O548 2N4857			○			
		C254 100pF			C553 .022 MFD	C553 .022 MFD	O549 2N4857			○			
		C255 100pF			C554 .022 MFD	C554 .022 MFD	O550 2N4857			○			
		C256 100pF			C555 .022 MFD	C555 .022 MFD	O551 2N4857			○			
		C257 100pF			C556 .022 MFD	C556 .022 MFD	O552 2N4857			○			
		C258 100pF			C557 .022 MFD	C557 .022 MFD	O553 2N4857			○			
		C259 100pF			C558 .022 MFD	C558 .022 MFD	O554 2N4857			○			
		C260 100pF			C559 .022 MFD	C559 .022 MFD	O555 2N4857			○			
		C261 100pF			C560 .022 MFD	C560 .022 MFD	O556 2N4857			○			
		C262 100pF			C561 .022 MFD	C561 .022 MFD	O557 2N4857			○			
		C263 100pF			C562 .022 MFD	C562 .022 MFD	O558 2N4857			○			
		C264 100pF			C563 .022 MFD	C563 .022 MFD	O559 2N4857			○			
		C265 100pF			C564 .022 MFD	C564 .022 MFD	O560 2N4857			○			
		C266 100pF			C565 .022 MFD	C565 .022 MFD	O561 2N4857			○			
		C267 100pF			C566 .022 MFD	C566 .022 MFD	O562 2N4857			○			
		C268 100pF			C567 .022 MFD	C567 .022 MFD	O563 2N4857			○			
		C269 100pF			C568 .022 MFD	C568 .022 MFD	O564 2N4857			○			
		C270 100pF			C569 .022 MFD	C569 .022 MFD	O565 2N4857			○			
		C271 100pF			C570 .022 MFD	C570 .022 MFD	O566 2N4857			○			
		C272 100pF			C571 .022 MFD	C571 .022 MFD	O567 2N4857			○			
		C273 100pF			C572 .022 MFD	C572 .022 MFD	O568 2N4857			○			
		C274 100pF			C573 .022 MFD	C573 .022 MFD	O569 2N4857			○			
		C275 100pF			C574 .022 MFD	C574 .022 MFD	O570 2N4857			○			
		C276 100pF			C575 .022 MFD	C575 .022 MFD	O571 2N4857			○			
		C277 100pF			C576 .022 MFD	C576 .022 MFD	O572 2N4857			○			
		C278 100pF			C577 .022 MFD	C577 .022 MFD	O573 2N4857			○			
		C279 100pF			C578 .022 MFD	C578 .022 MFD	O574 2N4857			○			
		C280 100pF			C579 .022 MFD	C579 .022 MFD	O575 2N4857			○			
		C281 100pF			C580 .022 MFD	C580 .022 MFD	O576 2N4857			○			
		C282 100pF			C581 .022 MFD	C581 .022 MFD	O577 2N4857			○			
		C283 100pF			C582 .022 MFD	C582 .022 MFD	O578 2N4857			○			
		C284 100pF			C583 .022 MFD	C583 .022 MFD	O579 2N4857			○			
		C285 100pF			C584 .022 MFD	C584 .022 MFD	O580 2N4857			○			
		C286 100pF			C585 .022 MFD	C585 .022 MFD	O581 2N4857			○			
		C287 100pF			C586 .022 MFD	C586 .022 MFD	O582 2N4857			○			
		C288 100pF			C587 .022 MFD	C587 .022 MFD	O583 2N4857			○			
		C289 100pF			C588 .022 MFD	C5							