



POWER CIRCUIT		CONTROL CIRCUIT		TACH CIRCUIT		VOLTAGE CIRCUIT		TRIGGER CIRCUIT		COMPONENTS NOT ON P.C. BOARDS		KEY TO SYMBOLS	
C201 .005 MFD	R101 40 Ω 12 W.	C201 .022 MFD	R201 1 K Ω	R226 10 K Ω	Q201	Q201 1 K Ω	C501 .1 MFD	CR501 SPDT 24VDC	R501 44.2 K Ω 1/4 W.	R516 22 K Ω	R1 2 A 50 W	○ INPUT CABLE CONNECTION	
C102 .047 MFD	R102 100 K Ω	C202 .022 MFD	R202 270 Ω	R227 6.8 K Ω	Q202 2N4123	Q202 2N4123	C502 .022 MFD	D501 500 Ω 1/4 W.	R502 500 Ω TRIMMER	R517 22 K Ω	R2 10 K Ω 2 W. PRT	● POWER OR SIGNAL SOURCE POINT	
C103 .047 MFD	R103 330 Ω	C203 .18 MFD	R203 500 Ω TRIMMER	R228 10 K Ω	Q203	Q203 1.5 K Ω	C503 .022 MFD	D501 500 Ω 1/4 W.	R503 4.75 K Ω 1/4 W.	R518 22 K Ω	R3 10 K Ω 2 W. PRT	○ REMOVABLE CONNECTION	
C104 .022 MFD	R104 1 K Ω	C204 .1 MFD	R204 100 K Ω 1/4 W. 1%	R229 20 K Ω TRIMMER	Q204 2N4125	Q204 1.5 K Ω	C504 .022 MFD	D501 500 Ω 1/4 W.	R504 100 K Ω	R519 22 K Ω	R4 22 K Ω	▽ COMMON CONNECTION	
C105 .01 MFD	R105 10 K Ω	C205 .0033 MFD	R205 2.94 K Ω 1/4 W. 1%	R230 27 K Ω	Q205 2N4125	Q205 1.5 K Ω	C505 .47 MFD	D519	R505 22 K Ω	R520 15 K Ω	R5 0 Ω	● SOURCE/POINT CIRCUIT LOCATION	
C106 .01 MFD	R106 100 K Ω	C206 .47 MFD	R206 10 K Ω	R231 10 K Ω	Q206 2N4123	Q206 10 K Ω	C506 .022 MFD	DE501 6.8 V	R506 10 K Ω	R521 100 K Ω	CR2 WELD CURRENT REED SWITCH		
C107 .01 MFD	R107 10 Ω	C207 .18 MFD	R207 10 K Ω	R232 100 Ω	Q207 2N5816	Q207 10 K Ω	C507 .022 MFD	DE502 15 V 1W	R507 10 K Ω	R522 27 K Ω	CR4 G.L.P. REED SWITCH		
C108 .01 MFD	R108 10 Ω	C208 .4 MFD	R208 100 K Ω TRIMMER	R233 6.8 K Ω	Q208 2N4123	Q208 10 K Ω	C508 .39 MFD	DE503 10 V 1W	R508 2.2 K Ω	R523 10 K Ω	S1 SPDT TRIGGER SWITCH		
C109 .01 MFD	CR101 3 POT 24 VDC	C209 .047 MFD	R209 33 K Ω	R234 2.7 K Ω	Q209 2N4123	Q209 10 K Ω	C509 .18 MFD	DE504 20 V 1W	R509 2.7 M Ω	R524 100 Ω	S2 SPST TRIGGER SWITCH		
C110 .01 MFD	R110 10 K Ω	C210 .47 MFD	R210 10 K Ω	R235 10 K Ω	Q210 2N4123	Q210 10 K Ω	C510 .12 MFD	FS01 1/2 AMP TAST BLOW FUSE	R510 4.7 K Ω	R525 100 Ω	S3 DPDT INTERLOCK SWITCH		
C111 .01 MFD	R111 10 K Ω	C211 .15 MFD	R211 10 K Ω	R236 15 K Ω	Q211 2N4123	Q211 10 K Ω	C511 .022 MFD	FS01 1/2 AMP TAST BLOW FUSE	R511 10 K Ω	R526 270 Ω	S4 SPST POLARITY SWITCH		
C112 .01 MFD	R112 10 K Ω	C212 .022 MFD	R212 10 K Ω	R237 10 K Ω	Q212 2N4123	Q212 10 K Ω	C512 .47 MFD	FS01 1/2 AMP TAST BLOW FUSE	R512 470 Ω	R527 33 K Ω	S5 SPST G.L.P. RESET SWITCH		
C113 .01 MFD	R113 10 K Ω	C213 .022 MFD	R213 10 K Ω	R238 10 K Ω	Q213 2N4123	Q213 10 K Ω	C513 .022 MFD	FS01 1/2 AMP TAST BLOW FUSE	R513 2.7 M Ω	R528 100 K Ω	S6 DPDT SET-ACTUAL SWITCH		
C114 .01 MFD	R114 10 K Ω	C214 .022 MFD	R214 10 K Ω	R239 10 K Ω	Q214 2N4123	Q214 10 K Ω	C514 .022 MFD	FS01 1/2 AMP TAST BLOW FUSE	R514 5.6 K Ω	R529 27 K Ω	S7 DPDT VOLTS-WIRE SPEED SWITCH		
C115 .01 MFD	R115 10 K Ω	C215 .18 MFD	R215 10 K Ω	R240 5.6 K Ω	Q215 2N4123	Q215 10 K Ω	C515 1 MFD	FS01 1/2 AMP TAST BLOW FUSE	R515 1.8 K Ω	R530 2 K Ω TRIMMER	S8 DPDT DIRECTION SWITCH		
C116 .01 MFD	R116 10 K Ω	C216 .15 MFD	R216 10 K Ω	R241 15 K Ω	Q216 2N4123	Q216 10 K Ω	C516 .022 MFD	FS01 1/2 AMP TAST BLOW FUSE	R516 6.8 K Ω	R531 22 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C117 .01 MFD	R117 10 K Ω	C217 .022 MFD	R217 10 K Ω	R242 27 K Ω	Q217 2N4123	Q217 10 K Ω	C517 .022 MFD	FS01 1/2 AMP TAST BLOW FUSE	R517 27 K Ω	R532 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C118 .01 MFD	R118 10 K Ω	C218 .022 MFD	R218 10 K Ω	R243 10 Ω	Q218 2N4123	Q218 10 K Ω	C518 .39 MFD	FS01 1/2 AMP TAST BLOW FUSE	R518 270 Ω	R533 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C119 .01 MFD	R119 10 K Ω	C219 .022 MFD	R219 10 K Ω	R244 2.0 Ω	Q219 2N4123	Q219 10 K Ω	C519 .005 MFD	TP501 TRANSIENT PROTECTOR	R519 10 K Ω	R534 100 Ω	TPL 150VAC TRANSIENT PROTECTOR		
C120 .01 MFD	R120 10 K Ω	C220 .022 MFD	R220 10 K Ω	R245 10 K Ω	Q220 2N4123	Q220 10 K Ω	C520 .022 MFD	TP501 TRANSIENT PROTECTOR	R520 22 K Ω	R535 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C121 .01 MFD	R121 10 K Ω	C221 .022 MFD	R221 10 K Ω	R246 10 K Ω	Q221 2N4123	Q221 10 K Ω	C521 .022 MFD	TP501 TRANSIENT PROTECTOR	R521 100 K Ω	R536 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C122 .01 MFD	R122 10 K Ω	C222 .022 MFD	R222 10 K Ω	R247 10 K Ω	Q222 2N4123	Q222 10 K Ω	C522 .022 MFD	TP501 TRANSIENT PROTECTOR	R522 15 K Ω	R537 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C123 .01 MFD	R123 10 K Ω	C223 .022 MFD	R223 10 K Ω	R248 10 K Ω	Q223 2N4123	Q223 10 K Ω	C523 .022 MFD	TP501 TRANSIENT PROTECTOR	R523 15 K Ω	R538 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C124 .01 MFD	R124 10 K Ω	C224 .022 MFD	R224 10 K Ω	R249 10 K Ω	Q224 2N4123	Q224 10 K Ω	C524 .47 MFD	TP501 TRANSIENT PROTECTOR	R524 15 K Ω	R539 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C125 .01 MFD	R125 10 K Ω	C225 .022 MFD	R225 10 K Ω	R250 10 K Ω	Q225 2N4123	Q225 10 K Ω	C525 .47 MFD	TP501 TRANSIENT PROTECTOR	R525 15 K Ω	R540 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C126 .01 MFD	R126 10 K Ω	C226 .022 MFD	R226 10 K Ω	R251 10 K Ω	Q226 2N4123	Q226 10 K Ω	C526 .47 MFD	TP501 TRANSIENT PROTECTOR	R526 15 K Ω	R541 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C127 .01 MFD	R127 10 K Ω	C227 .022 MFD	R227 10 K Ω	R252 10 K Ω	Q227 2N4123	Q227 10 K Ω	C527 .47 MFD	TP501 TRANSIENT PROTECTOR	R527 15 K Ω	R542 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C128 .01 MFD	R128 10 K Ω	C228 .022 MFD	R228 10 K Ω	R253 10 K Ω	Q228 2N4123	Q228 10 K Ω	C528 .47 MFD	TP501 TRANSIENT PROTECTOR	R528 15 K Ω	R543 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C129 .01 MFD	R129 10 K Ω	C229 .022 MFD	R229 10 K Ω	R254 10 K Ω	Q229 2N4123	Q229 10 K Ω	C529 .47 MFD	TP501 TRANSIENT PROTECTOR	R529 15 K Ω	R544 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C130 .01 MFD	R130 10 K Ω	C230 .022 MFD	R230 10 K Ω	R255 10 K Ω	Q230 2N4123	Q230 10 K Ω	C530 .47 MFD	TP501 TRANSIENT PROTECTOR	R530 15 K Ω	R545 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C131 .01 MFD	R131 10 K Ω	C231 .022 MFD	R231 10 K Ω	R256 10 K Ω	Q231 2N4123	Q231 10 K Ω	C531 .47 MFD	TP501 TRANSIENT PROTECTOR	R531 15 K Ω	R546 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C132 .01 MFD	R132 10 K Ω	C232 .022 MFD	R232 10 K Ω	R257 10 K Ω	Q232 2N4123	Q232 10 K Ω	C532 .47 MFD	TP501 TRANSIENT PROTECTOR	R532 15 K Ω	R547 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C133 .01 MFD	R133 10 K Ω	C233 .022 MFD	R233 10 K Ω	R258 10 K Ω	Q233 2N4123	Q233 10 K Ω	C533 .47 MFD	TP501 TRANSIENT PROTECTOR	R533 15 K Ω	R548 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C134 .01 MFD	R134 10 K Ω	C234 .022 MFD	R234 10 K Ω	R259 10 K Ω	Q234 2N4123	Q234 10 K Ω	C534 .47 MFD	TP501 TRANSIENT PROTECTOR	R534 15 K Ω	R549 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C135 .01 MFD	R135 10 K Ω	C235 .022 MFD	R235 10 K Ω	R260 10 K Ω	Q235 2N4123	Q235 10 K Ω	C535 .47 MFD	TP501 TRANSIENT PROTECTOR	R535 15 K Ω	R550 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C136 .01 MFD	R136 10 K Ω	C236 .022 MFD	R236 10 K Ω	R261 10 K Ω	Q236 2N4123	Q236 10 K Ω	C536 .47 MFD	TP501 TRANSIENT PROTECTOR	R536 15 K Ω	R551 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C137 .01 MFD	R137 10 K Ω	C237 .022 MFD	R237 10 K Ω	R262 10 K Ω	Q237 2N4123	Q237 10 K Ω	C537 .47 MFD	TP501 TRANSIENT PROTECTOR	R537 15 K Ω	R552 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C138 .01 MFD	R138 10 K Ω	C238 .022 MFD	R238 10 K Ω	R263 10 K Ω	Q238 2N4123	Q238 10 K Ω	C538 .47 MFD	TP501 TRANSIENT PROTECTOR	R538 15 K Ω	R553 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C139 .01 MFD	R139 10 K Ω	C239 .022 MFD	R239 10 K Ω	R264 10 K Ω	Q239 2N4123	Q239 10 K Ω	C539 .47 MFD	TP501 TRANSIENT PROTECTOR	R539 15 K Ω	R554 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C140 .01 MFD	R140 10 K Ω	C240 .022 MFD	R240 10 K Ω	R265 10 K Ω	Q240 2N4123	Q240 10 K Ω	C540 .47 MFD	TP501 TRANSIENT PROTECTOR	R540 15 K Ω	R555 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C141 .01 MFD	R141 10 K Ω	C241 .022 MFD	R241 10 K Ω	R266 10 K Ω	Q241 2N4123	Q241 10 K Ω	C541 .47 MFD	TP501 TRANSIENT PROTECTOR	R541 15 K Ω	R556 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C142 .01 MFD	R142 10 K Ω	C242 .022 MFD	R242 10 K Ω	R267 10 K Ω	Q242 2N4123	Q242 10 K Ω	C542 .47 MFD	TP501 TRANSIENT PROTECTOR	R542 15 K Ω	R557 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C143 .01 MFD	R143 10 K Ω	C243 .022 MFD	R243 10 K Ω	R268 10 K Ω	Q243 2N4123	Q243 10 K Ω	C543 .47 MFD	TP501 TRANSIENT PROTECTOR	R543 15 K Ω	R558 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C144 .01 MFD	R144 10 K Ω	C244 .022 MFD	R244 10 K Ω	R269 10 K Ω	Q244 2N4123	Q244 10 K Ω	C544 .47 MFD	TP501 TRANSIENT PROTECTOR	R544 15 K Ω	R559 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C145 .01 MFD	R145 10 K Ω	C245 .022 MFD	R245 10 K Ω	R270 10 K Ω	Q245 2N4123	Q245 10 K Ω	C545 .47 MFD	TP501 TRANSIENT PROTECTOR	R545 15 K Ω	R560 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C146 .01 MFD	R146 10 K Ω	C246 .022 MFD	R246 10 K Ω	R271 10 K Ω	Q246 2N4123	Q246 10 K Ω	C546 .47 MFD	TP501 TRANSIENT PROTECTOR	R546 15 K Ω	R561 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C147 .01 MFD	R147 10 K Ω	C247 .022 MFD	R247 10 K Ω	R272 10 K Ω	Q247 2N4123	Q247 10 K Ω	C547 .47 MFD	TP501 TRANSIENT PROTECTOR	R547 15 K Ω	R562 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C148 .01 MFD	R148 10 K Ω	C248 .022 MFD	R248 10 K Ω	R273 10 K Ω	Q248 2N4123	Q248 10 K Ω	C548 .47 MFD	TP501 TRANSIENT PROTECTOR	R548 15 K Ω	R563 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C149 .01 MFD	R149 10 K Ω	C249 .022 MFD	R249 10 K Ω	R274 10 K Ω	Q249 2N4123	Q249 10 K Ω	C549 .47 MFD	TP501 TRANSIENT PROTECTOR	R549 15 K Ω	R564 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C150 .01 MFD	R150 10 K Ω	C250 .022 MFD	R250 10 K Ω	R275 10 K Ω	Q250 2N4123	Q250 10 K Ω	C550 .47 MFD	TP501 TRANSIENT PROTECTOR	R550 15 K Ω	R565 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C151 .01 MFD	R151 10 K Ω	C251 .022 MFD	R251 10 K Ω	R276 10 K Ω	Q251 2N4123	Q251 10 K Ω	C551 .47 MFD	TP501 TRANSIENT PROTECTOR	R551 15 K Ω	R566 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C152 .01 MFD	R152 10 K Ω	C252 .022 MFD	R252 10 K Ω	R277 10 K Ω	Q252 2N4123	Q252 10 K Ω	C552 .47 MFD	TP501 TRANSIENT PROTECTOR	R552 15 K Ω	R567 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C153 .01 MFD	R153 10 K Ω	C253 .022 MFD	R253 10 K Ω	R278 10 K Ω	Q253 2N4123	Q253 10 K Ω	C553 .47 MFD	TP501 TRANSIENT PROTECTOR	R553 15 K Ω	R568 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C154 .01 MFD	R154 10 K Ω	C254 .022 MFD	R254 10 K Ω	R279 10 K Ω	Q254 2N4123	Q254 10 K Ω	C554 .47 MFD	TP501 TRANSIENT PROTECTOR	R554 15 K Ω	R569 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C155 .01 MFD	R155 10 K Ω	C255 .022 MFD	R255 10 K Ω	R280 10 K Ω	Q255 2N4123	Q255 10 K Ω	C555 .47 MFD	TP501 TRANSIENT PROTECTOR	R555 15 K Ω	R570 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C156 .01 MFD	R156 10 K Ω	C256 .022 MFD	R256 10 K Ω	R281 10 K Ω	Q256 2N4123	Q256 10 K Ω	C556 .47 MFD	TP501 TRANSIENT PROTECTOR	R556 15 K Ω	R571 10 K Ω	TPL 150VAC TRANSIENT PROTECTOR		
C157 .01 MFD	R157 10 K Ω	C257 .022 MFD	R										