



NOTES:

1. THIS CURRENT PATH CARRIES 'CROWBAR' CURRENT LIMITED BY SYSTEM SOURCE IMPEDANCE 100-200A FOR APPROX 25 MS
2. OV TRIP VOLTAGE SET WITH THIS RESISTOR. 14.0K YIELDS 16.0V SET POINT
3. THIS RESISTOR SETS OV TRIP DELAY. 100K YIELDS 200 MS TRIP IS PROPORTIONAL TO R X C, HENCE 200K WOULD YIELD 400 MS
4. R12 SETS SCR GATE DRIVE AT TRIP TIME
5. WHEN PTT SWITCH IS OPEN, VOLTAGE DIVIDER R7, R8, R9 SETS OV TRIP POINT TO 16.0 +/- 0.3 VOLTS. CLOSING PTT ADJUSTS 'OV TRIP' TO 13.5 +/- 0.25 VOLTS. WITH ALTERNATOR OFF, THE BUS VOLTAGE WILL BE BELOW 13.5 AND THE SYTEM WILL NOT TRIP. WITH ALTERNATOR ON, BUS VOLTAGE WILL BE ABOVE 13.5 AND THE SYSTEM WILL TRIP. THIS FEATURE IS NOT INTENDED TO BE EXERCISED EVERY PRE-FLIGHT RATHER PERIODICALLY SUCH AS EVERY OIL CHANGE OR PERHAPS YEARLY INSPECTION.