

## Test for 4199 J51 G01

to - .500 V

· Ground pin 23. Turn Rn fully CW. · Monto: TP7. It should stay at O.V + - , IV while inputting + - 15 V on pin 25, · Conect pin 23 to +5V. · Loanett -IV to pin 25 · TP ? should so to saturation (approx -13.5 V). It may take up to 30 seconds. Pin 24 to 66V more pos than TP1. · Apply + 1.V to pin 25 · Atter about 30 seconds TPO should read approx .5 V .848 · Apply - 1.0 V to pinds and monitor TP8 · Adjust R7 for +5, Von TPE, Remove volts on pins 25 823 · SP Error circuit tested · Apply +10.0 volts to por 1. · Adjust ROS for -10.0 volts enplo 12. · Verily TPS reads same voltage as pin 12. · Kinous voltage on Pin 1 · Apply + 500 volts to pin 8 · Connet pin 5 to grand · Turn Rno fully ccw \* TP3 should read-11.0 Vots + - 1.V · move + .500 volts from pin 8 to pin 2 · Adjust RID for -10,00 Volts on TP3 · Consit plate to junction of RAID wiper of RAO · Adjust RADONTOR -5,00 volts on 783 · Review polarity of voltage on pin a from +. 500 V · Varily +5 volts on TP3 (+ -, 3 v) 4.96 · Remove connection between Pint & RAI · TP3 should read + 10.0 volts (+-,3 volts) 994 · Inpit -5.00 Volts to pin 5 · Abjust Ral for 3.0 Volts on posside of C3 (will take about 2 minutes to settle) · V-rily + 4.0 volts (+- . 2V) on TP4 · Adjust R18 for + 1.00 volt on TP3 · Remove consistion on pin 3 a2 to make sypplies available (left side on schematic tested) · Apply + 7.5V to pin 15 · Tun R37 fully CW · Varily + 15V on pin 11 · Turn 830 until pin 11 gous to approx . 7V · Turn Ran fully cow · Varily approx -13V on pin 31 Adjust R37 clockwise until pio 31 gors to + 3.V · Adjust Pan for 0,00 Von pin 31 · Tun R47, R52, R55, R57 fully CW · Input + 7.5 V to pin 3 · Virity voltage on pin 31 bitures -13v8 -15V-13.3 · More + 7.5 volts from pin 3 to pin 4. · Varity -10. Volts on pin 31 · Move + 7.5 volts from pin 4 to pin 38 · Adjust R47 for - 9.00 voltson pin 31 · More + 7.5 volts from pin 38 to pin 39

· Adjust R52 for -9,00 Volts on pin 31 · Move + 7.5 V from pin 39 to pin 40 · Adjust R55 for -6,00 Volts on pln 31 - Move + 7.5V from pin 40 to pin 41 · Adjust R57 for -4,000 on pin 31 · Adjust R43 for - 3.00 Volts on pin 37 · Adjust R50 for -7.5 Von pin 36 · TPIl should read between -13v2 - 15V · Pin 30 should read +4.0 Volts · Adjust R44 for -4.0 volts on pin 30 · Virily +15V on pin 29 · Revise connections on pins 28 & 27 (27 connected to ground & 08 connected to pin 36) · Verty < +1. Von pin 29 0.68, 0.00, · Varily to 6V (dide drop) on pin 260.59, 58