T0520-31 (P-31 PHOSPHOR) CRT REPLACEMENT

For TEKTRONIX® Type 575 Transistor-Curve Tracers

Serial Numbers 101-1351

When replacing the CRT in the above listed instruments, it is necessary to change the Vertical Min Gain Adj potentiometer, R493, from 100kΩ to 250kΩ. This increases the adjustment range to compensate for differences in cathode ray tube deflection-plate sensitivities.

NOTE: If the serial number of your instrument is above those listed, or if this kit or 050-0218-00 has been installed, disregard the instructions and install pn 154-0763-00 as a direct replacement.

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4-21-80
Supersedes: 8-4-76

PARTS INCLUDED IN PARTS REPLACEMENT KIT:

Ckt. No.	Quantity	Part Number	Description
V859	1 ea	154-0763-00	Tube, vacuum CRT
R493	1 ea	311-0032-00	Resistor, variable, 250kΩ Type J

WARNING

High vacuum cathode ray tubes are dangerous to handle. To prevent personal injury from flying glass in case of tube breakage, wear a face mask or safety goggles, and gloves.

Handle the crt with extreme care. Do not strike or scratch it. Never subject it to more than moderate force or pressure when removing or installing.

Always store spare crt's in original protective cartons. Save cartons to dispose of used crt's.

INSTRUCTIONS:

BEFORE REPLACING THE CRT, BE SURE THE INSTRUMENT IS DISCONNECTED FROM AC POWER AND THE HIGH-VOLTAGE POWER SUPPLY IS COMPLETELY DISCHARGED.

( ) 1. Remove the left and right hand cabinet sides.

Replace crt as follows:

( ) 2. Disconnect the leads (five) from the neck of the crt and disconnect the socket from the base of the crt.

( ) 3. Remove the graticule cover and the graticule. Loosen the clamp at the base of the crt and slide the crt out of the front panel.

( ) 4. Install the new crt by performing steps 2 and 3 in reverse.

( ) 5. Replace the Min Gain Adj R493 (100kΩ) with the 250kΩ variable resistor from the kit.

( ) 6. Recalibrate the Vertical Sensitivity of your instrument as directed in the Instruction Manual.

( ) Revise the Electrical Parts List in your Instruction Manual as indicated by the parts list at the top of this page.

KM:cs

Product Modification Kit
SUGGESTION/CORRECTION FORM

DATE _____

KIT NUMBER _____ STEP/PAGE _____

FIGURE NUMBER _____ PUBLICATION DATE _____

DISCREPANCY _____

_____

_____

_____

SUGGESTED CORRECTION / COMMENTS _____

_____

_____

SUGGESTED BY: NAME / ORGANIZATION _____

☐ REPLY REQUESTED

RETURN TO LOCAL FIELD OFFICE / SERVICE CENTER

FIELD OFFICE / SERVICE CENTER / DEL. STA. _____

SERVICE CENTER: RETURN TO PARTS RESEARCH 73-848

REPLY

☐ WILL MAKE CHANGE IMMEDIATELY

☐ WILL MAKE CHANGE AT NEXT PRINTING

☐ OTHER _____

_____

_____

SIGNED _____ DATE _____