



050-1276-00

U1 & U2, OR U160 & U165 OR U200 & U210
OR U212 & U214 REPLACEMENT

For the following TEKTRONIX® Counters:

Type DC501	110MHz Counters	SN B010100 - B071670*
Type DC502	550MHz Counters	SN B010100 - B082280*
Type DC503	Universal Counters	SN B010100 - B167200*

To ensure making the minimum input trigger amplitude specifications at both 10Hz and 100MHz, the above listed pairs of microcircuits were changed to selected parts which must be replaced in pairs.

*See note on page 2.

NOTE

If the serial number of your instrument is higher than those listed above, or if this kit or 050-0649-02 has been installed, disregard the instructions and use microcircuit pn 156-0118-02, as a direct replacement for U1, U165, U210, or U214 and use microcircuit pn 156-0180-03 as a direct replacement for U2, U160, U200, or U212.

PARTS INCLUDED IN PARTS REPLACEMENT KIT:

Ckt. No.	Quantity	Part Number	Description
U1 or U165 or U210 or U214	1 ea	156-0118-02	Microcircuit, Dual flip-flop (74S112 Dual Negative-Edge-Triggered Master-Slave J-K Flip-Flop)
U2 or U160 or U200 or U212	1 ea	156-0180-03	Microcircuit, Dual quad (SN74S00N Quad 2-input NAND Gate)

*The usable SN range depends on the modification status of your Counter i.e. if Parts Replacement Kit 050-0649-00 has been installed. For usable serial number information, see PART I for Type DC501, PART II for Type DC502, or PART III for Type DC503.

Parts Replacement Kit, pn 050-0649-00 installs the divide by 5 circuit board which includes U1 & U2 to replace U167 and U169 in the DC501 and DC502 or to replace U212 and U214 in the DC503.

PART I
TYPE DC501 ONLY

Replace any of the following pairs of microcircuits with the 156-0118-02 and 156-0180-03 microcircuits from the kit, as follows:

- () 1. U1 & U2 between serial numbers B040418 and B071670 or between B010100 and B071670 if 050-0649-00 has been installed.
- () 2. U165 & U160 between serial numbers B010100 and B071670.

PART II
TYPE DC502 ONLY

Replace any of the following pairs of microcircuits with the 156-0118-02 and 156-0180-03 microcircuits from the kit, as follows:

- () 1. U1 & U2 between serial numbers B040403 and B082280 or between B010100 and B082280 if 050-0649-00 has been installed.
- () 2. U165 & U160 between serial numbers B010100 and B082280.

PART III
TYPE DC503 ONLY

Replace any of the following pairs of microcircuits with the 156-0118-02 and 156-0180-03 microcircuits from the kit, as follows:

- () 1. U1 & U2 between serial numbers B060909 and B112150 or between B010100 and B112150 if 050-0649-00 has been installed.
- () 2. U210 & U200 between serial numbers B010100 and B167200.
- () 3. U214 & U212 between serial numbers B112150 and B167200.

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