



# product modification

050-0104-00

Type 575

## HORIZONTAL VOLTS/DIV SWITCH REPLACEMENT

For Tektronix Type 575 Transistor-Curve Tracers  
Serial Numbers 101-6054

HORIZONTAL VOLTS/DIV switch 262-0494-00 replaces the following:  
262-0137-00 (SN 101-821); 262-0195-00 (SN 822-3659); 262-0416-00  
(SN 3660-6054).

Oxide film resistors replace the 1/4% carbon resistors previously  
used on the switch. Because of their greater stability, the new  
resistors need only have a tolerance of 1/2%. The following  
resistor changes are involved:

309-0400-00 replaces 309-0184-00  
309-0405-00 replaces 309-0189-00  
309-0406-00 replaces 309-0185-00  
309-0407-00 replaces 309-0186-00  
309-0408-00 replaces 309-0187-00  
309-0409-00 replaces 309-0188-00

Two 1 meg resistors have been added to the switch for instruments  
below serial number 3660, to replace those on the rear panel connectors.

NOTE: If the serial number of your instrument is  
above those listed, or if this kit has been installed,  
disregard the instructions as PN 262-0494-00 is a  
direct replacement.

# PARTS INCLUDED IN PARTS REPLACEMENT KIT:

Quantity	Part Number	Description
1 ea		Assembly, switch, HORIZONTAL VOLTS/DIV (262-0494-00), consisting of:
2 ea	210-0006-00	Lockwasher, int. #6
4 ea	210-0438-00	Nut, hex, 1-72 x 5/32
2 ea	210-0449-00	Nut, hex, 5-40 x 1/4
1 ea	260-0184-01	Switch, raw
2 ea	302-0105-00	Resistor, comp, 1 meg. 1/2W 10%
1 ea	309-0030-00	Resistor, prec, 1.8k 1/2W 1%
3 ea	309-0041-00	Resistor, prec, 60k 1/2W 1%
2 ea	309-0045-00	Resistor, prec, 100k 1/2W 1%
2 ea	309-0051-00	Resistor, prec, 200k 1/2W 1%
1 ea	309-0098-00	Resistor, prec, 2k 1/2W 1%
4 ea	309-0100-00	Resistor, prec, 10k 1/2W 1%
2 ea	309-0153-00	Resistor, prec, 20k 1/2W 1%
1 ea	309-0180-00	Resistor, prec, 1.063k 1/2W 1%
1 ea	309-0191-00	Resistor, prec, 4.535k 1/2W 1%
1 ea	309-0192-00	Resistor, prec, 11.480k 1/2W 1%
1 ea	309-0194-00	Resistor, prec, 32.31k 1/2W 1%
2 ea	309-0400-00	Resistor, prec, 80Ω 1/2W 1/2%
1 ea	309-0405-00	Resistor, prec, 116k 1/2W 1/2%
1 ea	309-0406-00	Resistor, prec, 240Ω 1/2W 1/2%
1 ea	309-0407-00	Resistor, prec, 400Ω 1/2W 1/2%
1 ea	309-0408-00	Resistor, prec, 800Ω 1/2W 1/2%
1 ea	309-0409-00	Resistor, prec, 2.4k 1/2W 1/2%
2 ea	311-0056-00	Potentiometer, comp, 500Ω 0.1W
1 ea	406-0330-00	Bracket, aluminum
3-1/2 in.	(175-0517-00)	Wire, #22 solid, orange
4 in.	(175-0522-00)	Wire, #22 solid, white-red
3-1/2 in.	(175-0522-00)	Wire, #22 solid, white-green
4 in.	(175-0527-00)	Wire, #22 stranded, white-black
3-1/2 in.	(175-0527-00)	Wire, #22 stranded, white-orange

## INSTRUCTIONS

- ( ) 1. Remove the HORIZONTAL VOLTS/DIV switch, noting contact connections for replacement.
- ( ) 2. Install the new switch, from the kit.
- ( ) 3. FOR INSTRUMENTS BELOW SN 3660 Remove both 1 meg resistors (R300 and R301) across the rear panel EXTERNAL HORIZ. DIFFERENTIAL INPUT (or HORIZ. INPUT) connectors.

NOTE: These resistors have been moved to the HORIZONTAL VOLTS/DIV switch.

## THIS COMPLETES THE INSTALLATION

- ( ) Check wiring for accuracy.
- ( ) Fasten the insert page in your Instruction Manual.

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# INSTRUCTION MANUAL

MODIFICATION INSERT

## HORIZONTAL VOLTS/DIV SWITCH

Type 575 -- SN 101-6054

Installed in Type 575 SN \_\_\_\_\_ Date \_\_\_\_\_

This insert has been written to supplement the Instruction Manual for this instrument. The information given in this insert will supersede that given in the manual.

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## GENERAL INFORMATION

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Oxide film resistors replace the 1/4% carbon resistors previously used on the Type 575 HORIZONTAL VOLTS/DIV switch. Because of their greater stability, the new resistors need only have a tolerance of 1/2%.

Two 1 meg resistors have been added to the switch, for instruments below serial number 3660, to replace those on the rear panel connectors.

# ELECTRICAL PARTS LIST:

Values fixed unless marked variable. Only new parts listed (delete old entries in Manual).

Ckt.No.	Part Number	Description
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## RESISTORS

Resistors are 1/2% precision.

R302	309-0405-00	116k	1/2W
R303	309-0409-00	2.4k	1/2W
R304	309-0408-00	800Ω	1/2W
R305	309-0407-00	400Ω	1/2W
R306	309-0406-00	240Ω	1/2W
R307	309-0400-00	80Ω	1/2W
R308	309-0400-00	80Ω	1/2W

## SWITCHES

SW305	262-0494-00	HORIZONTAL VOLTS/DIV
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