

# Instruction Manual

010-0165-00



**P6007**  
**PROBE**

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Product Group 60

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# P6007 PROBE

## Introduction

The P6007 is a passive probe with 100X attenuation, designed for oscilloscopes having input resistance of 1 megohm and input capacitance of up to 55 picofarads (pf). The probe decreases resistive and capacitive loading on the circuit under test.

## Characteristics

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attenuation Factor             | 100X, $\pm 3\%$                                                                                                                                       |
| *Input Resistance              | 10 megohms, $\pm 2\%$                                                                                                                                 |
| Probe Resistance               | 9.9 megohms, $\pm 2\%$                                                                                                                                |
| *Input Capacitance<br>Risetime | See Table 1                                                                                                                                           |
| Maximum Voltage<br>Rating      | 1.5 kV dc or rms (2.1 kV peak or 4.2 kV peak-to-peak). Maximum voltage must be derated at higher frequencies; see derating curves, Figs. 2 through 5. |
| Cable Length                   | Nominally 3.5', 6', 9', or 12' measured between the bases of the cable strain reliefs.                                                                |
| Environmental<br>Capacitance   | The 9.9-megohm resistor has been factory adjusted in the probe body for the                                                                           |

best transient response. To replace the 9.9-megohm resistor, a new probe body must be ordered through your local Tektronix Field Office.

Operating  
Temperature

The probe will operate normally at temperatures up to 75° C.

## Compensation

The P6007 Probe should be compensated each time it is transferred from one oscilloscope or plug-in unit to another. This will insure accurate attenuation of transient and sine-wave signals.

To compensate the probe, touch the probe tip to the oscilloscope calibrator output connector and display several cycles. See Fig. 1(a). Adjust for the correct waveform by turning the probe body and tip assembly while holding the knurled section at the base of the probe. Fig. 1(b) shows waveforms for a line-frequency oscilloscope calibrator, and Fig. 1(c) shows waveforms for a 1-kHz oscilloscope calibrator. After obtaining the correct waveform, hold the probe body and tip assembly and carefully tighten the locking sleeve. Make the final adjustment by holding the locking sleeve and probe body while turning the probe base.

TABLE 1

| Cable<br>Length<br>(ft) | Input Capacitance<br>With |                  | Risetime<br>With    |                                                   |
|-------------------------|---------------------------|------------------|---------------------|---------------------------------------------------|
|                         | 20 pf Plug-In             | 47 pf Plug-In    | Probe Alone         | 530- or 540-<br>Series Oscilloscope<br>and K Unit |
| 3.5                     | $\approx 2.0$ pf          | $\approx 2.3$ pf | $\approx 7$ nsec    | $\approx 14$ nsec                                 |
| 6                       | $\approx 2.2$ pf          | $\approx 2.5$ pf | $\approx 9$ nsec    | $\approx 15$ nsec                                 |
| 9                       | $\approx 2.4$ pf          | $\approx 2.7$ pf | $\approx 12$ nsec   | $\approx 17$ nsec                                 |
| 12                      | $\approx 2.6$ pf          | $\approx 2.8$ pf | $\approx 13.5$ nsec | $\approx 18$ nsec                                 |

\*Also see the  $R_p$  and  $X_p$  frequency curves.

## Derating Curves

The derating curves show the maximum continuous-wave voltage that can be applied to the P6007 Probe at higher frequencies. When observing random pulse or combination of dc and ac, the approximate average power should be calculated and should not exceed  $\frac{1}{4}$  watt. With duty factors less than 0.1, the maximum input voltage can be determined from the following equation and the appropriate derating curve.

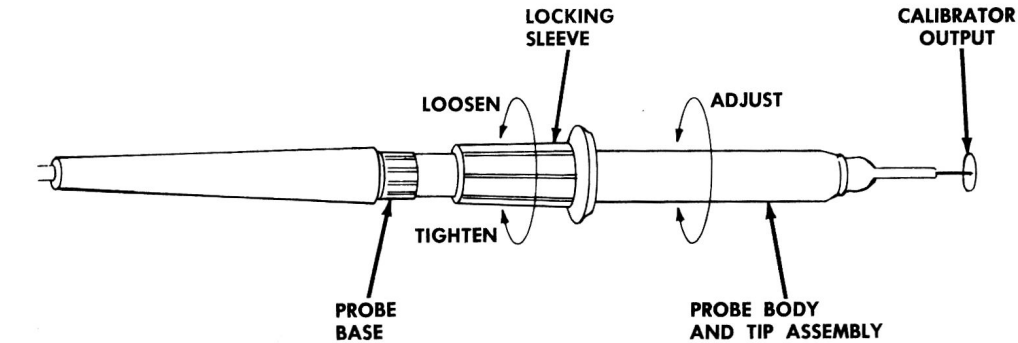
Maximum applied voltage at a particular frequency:

Voltage from curve at CW frequency

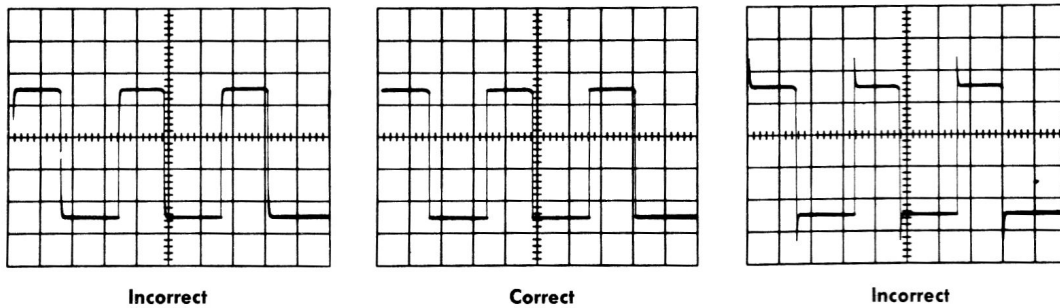
$$\sqrt{\text{Duty Factor}}$$

Where: Duty Factor =  $\frac{\text{pulse duration}}{\text{pulse period}}$

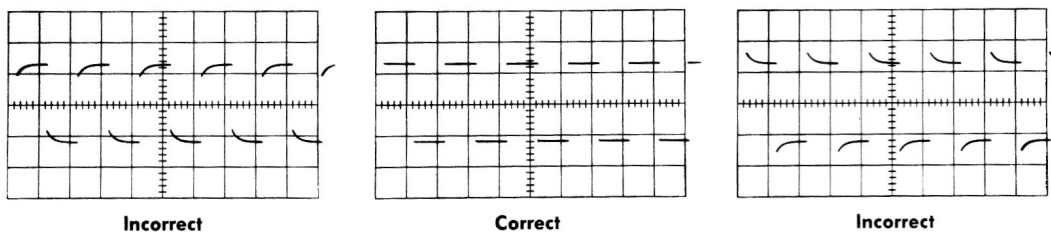
For pulse durations longer than 0.1 second, consider the signal as dc.



(a) Probe adjustments



(b) Waveforms from line-frequency oscilloscope calibrator



(c) Waveforms from 1-kHz oscilloscope calibrator.

Fig. 1. Probe compensation.

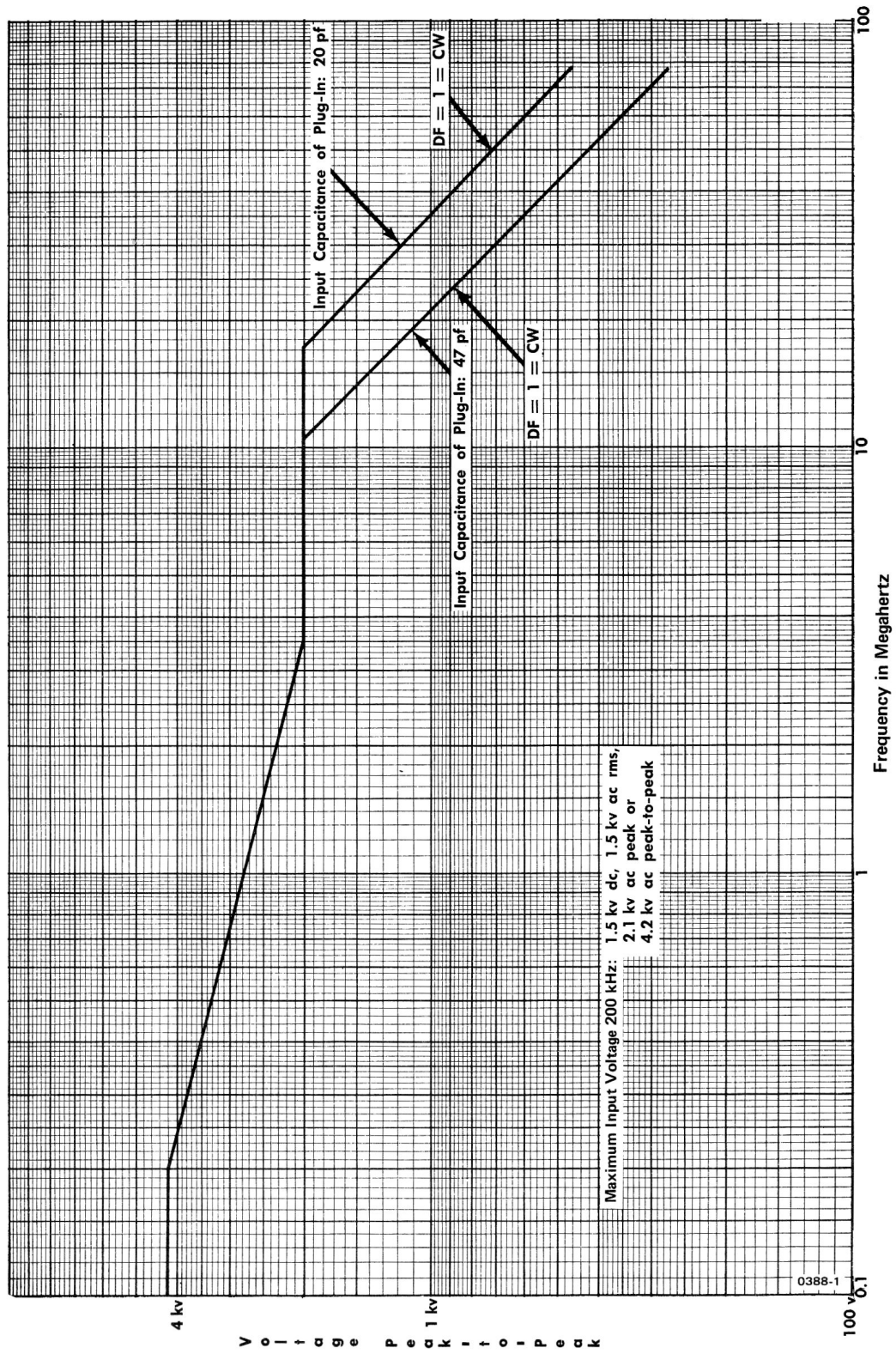


Fig. 2. P6007 derating curves (3.5-ft cable).

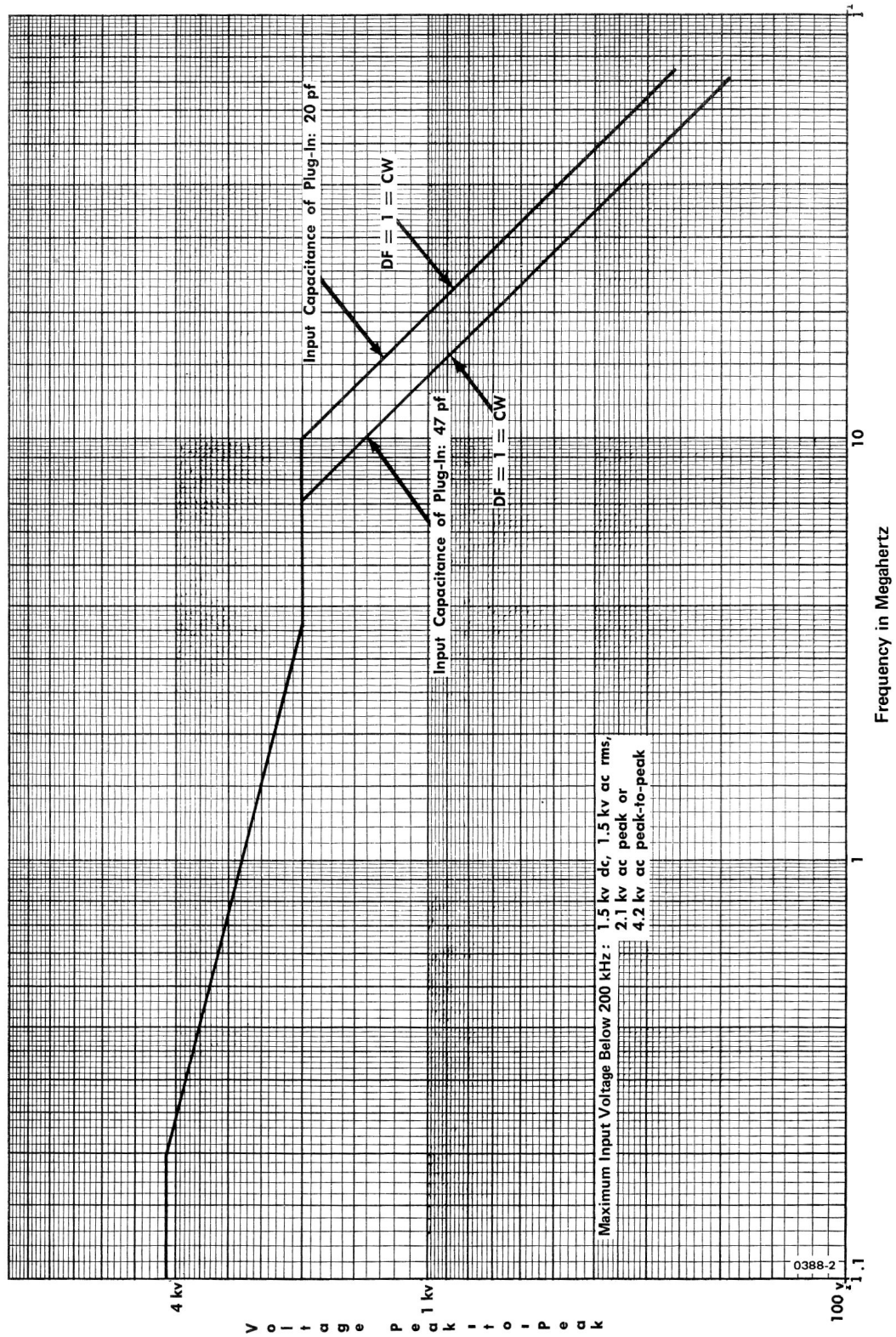
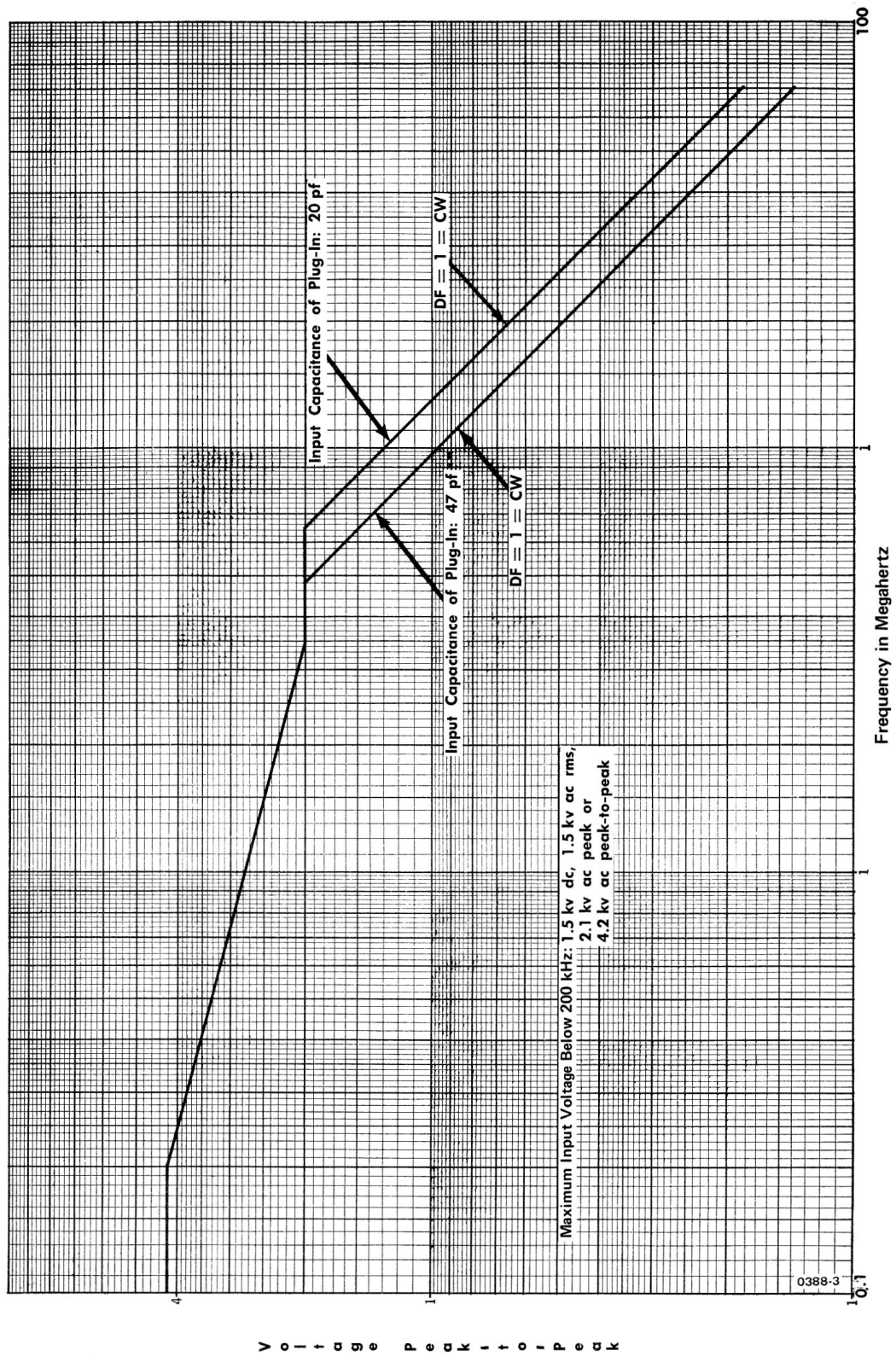


Fig. 3. P6007 derating curves (6-ft cable).

Fig. 4. P6007 derating curves (9-ft cable).





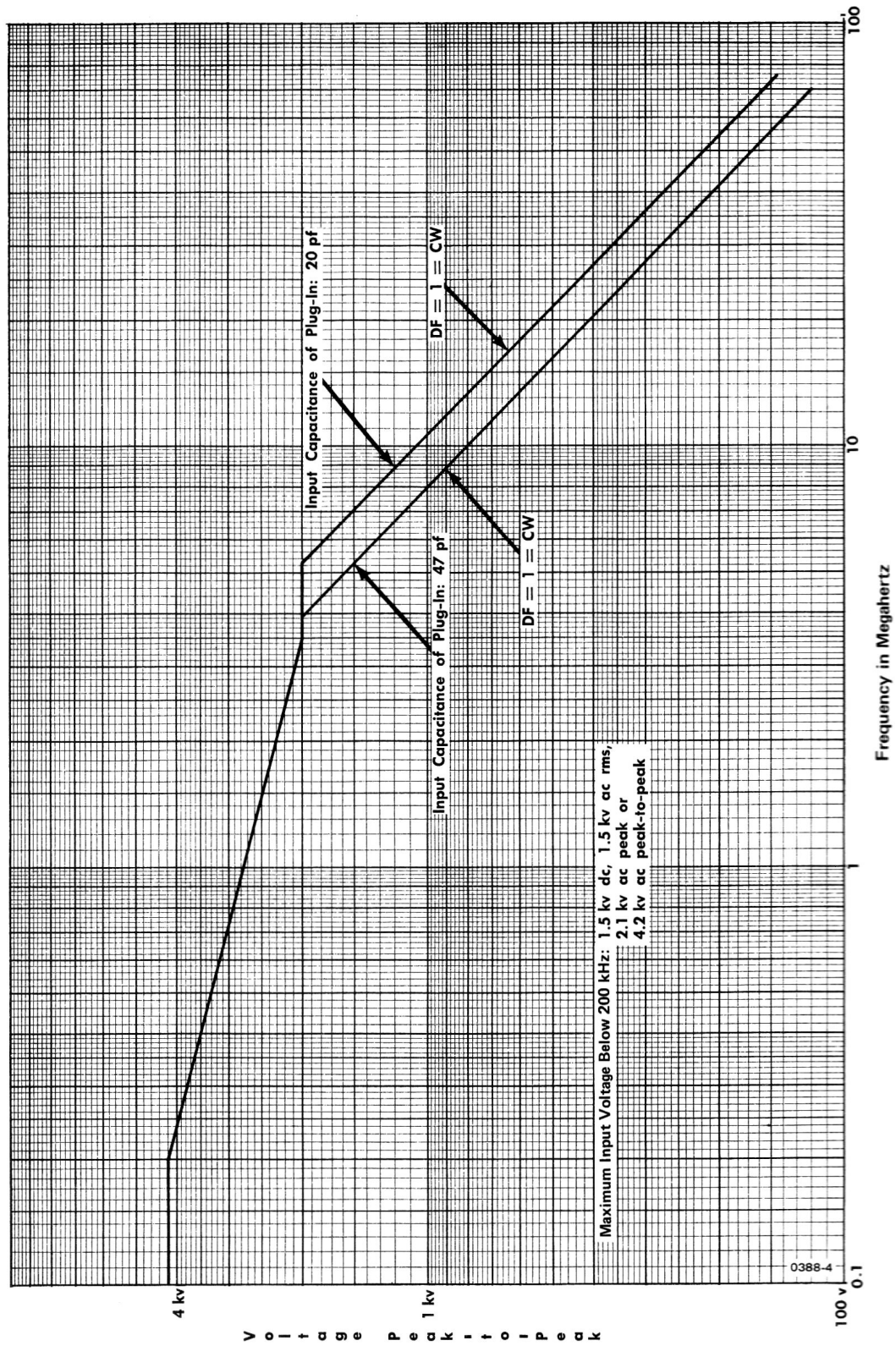


Fig. 5. P6007 derating curves (12-ft cable).

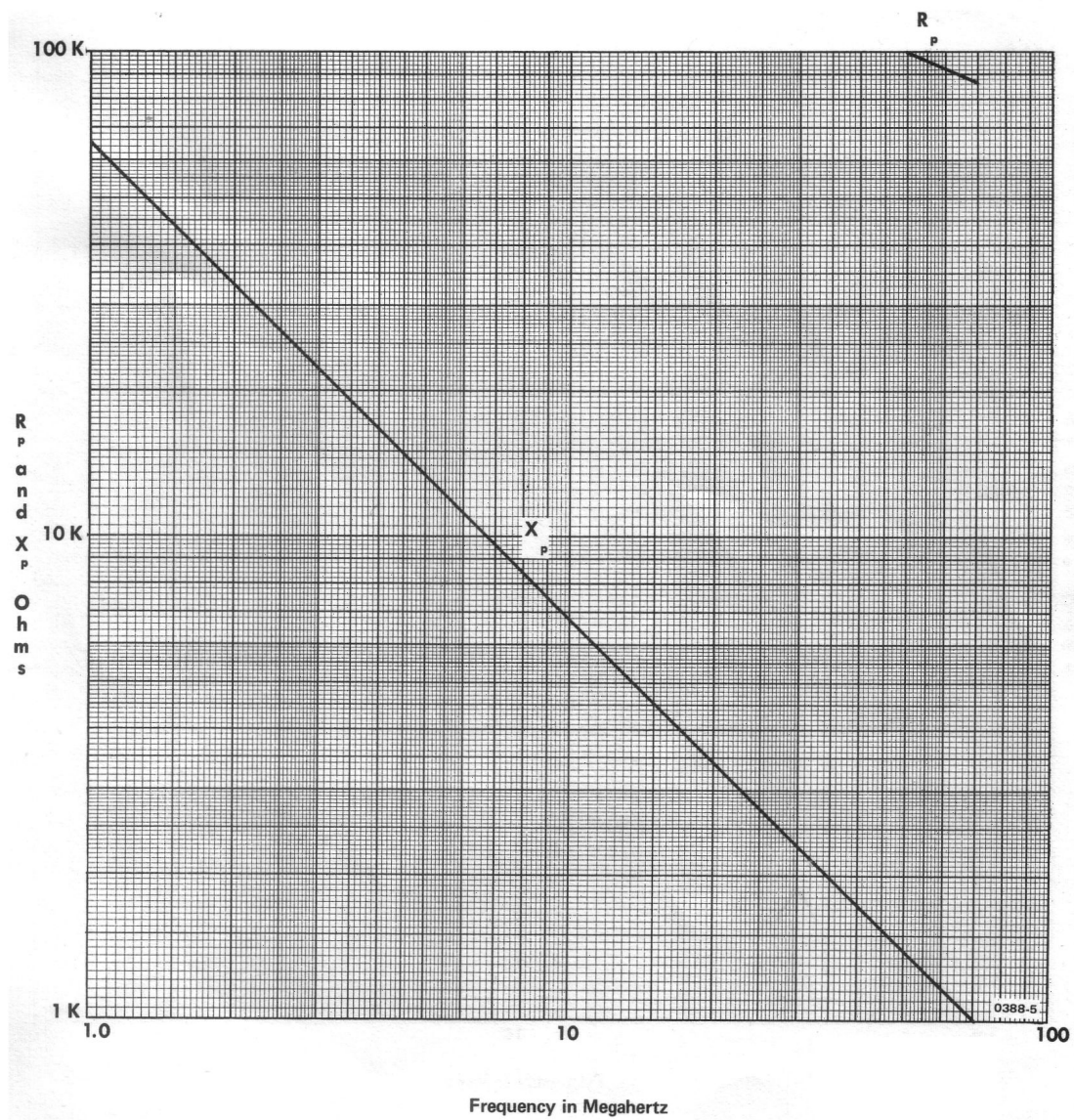


Fig. 6. P6007 input  $R_p$  and  $X_p$  vs frequency curves (3.5-ft cable).



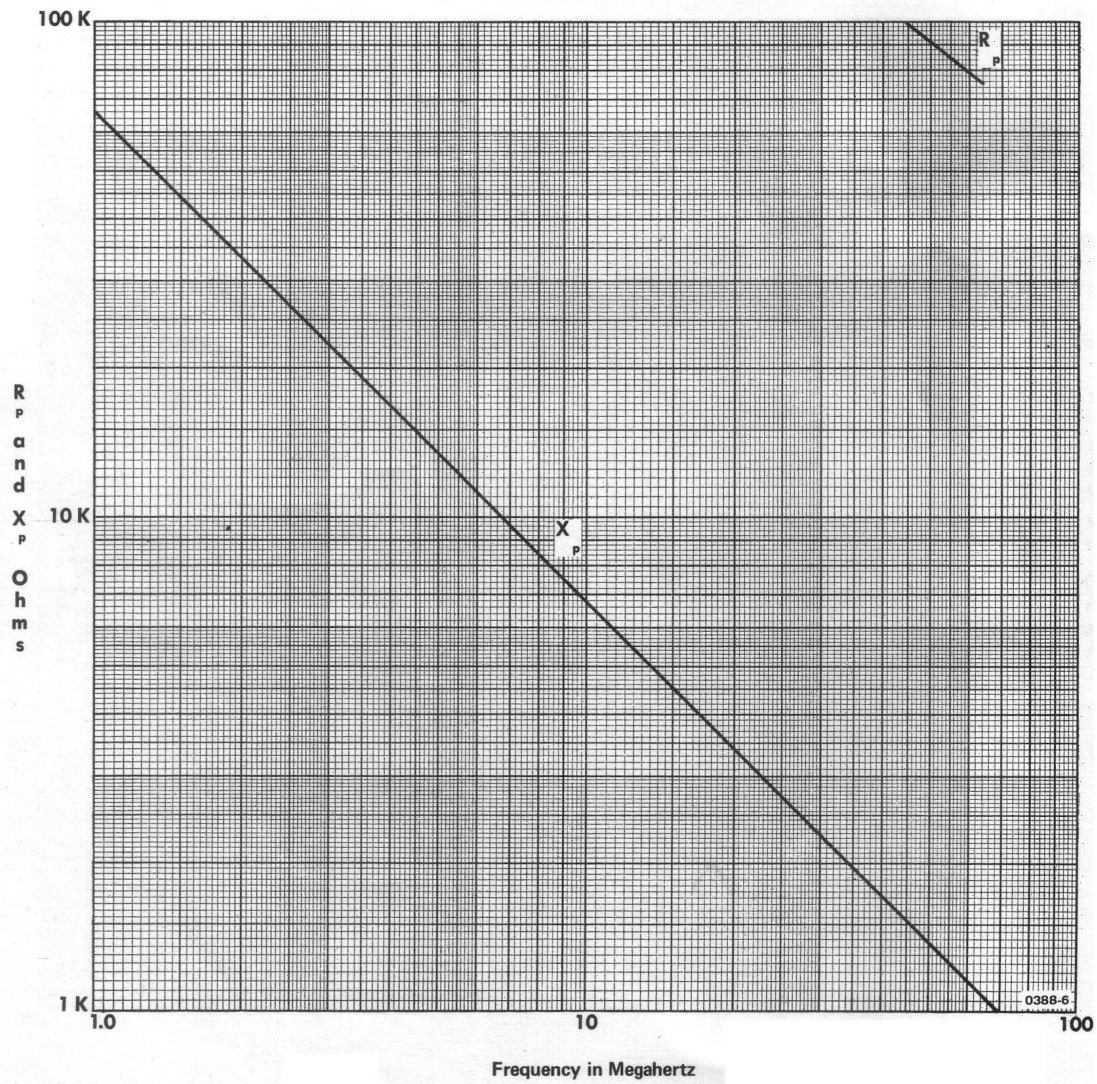


Fig. 7. P6007 input  $R_p$  and  $X_p$  vs frequency curves (6-ft cable).

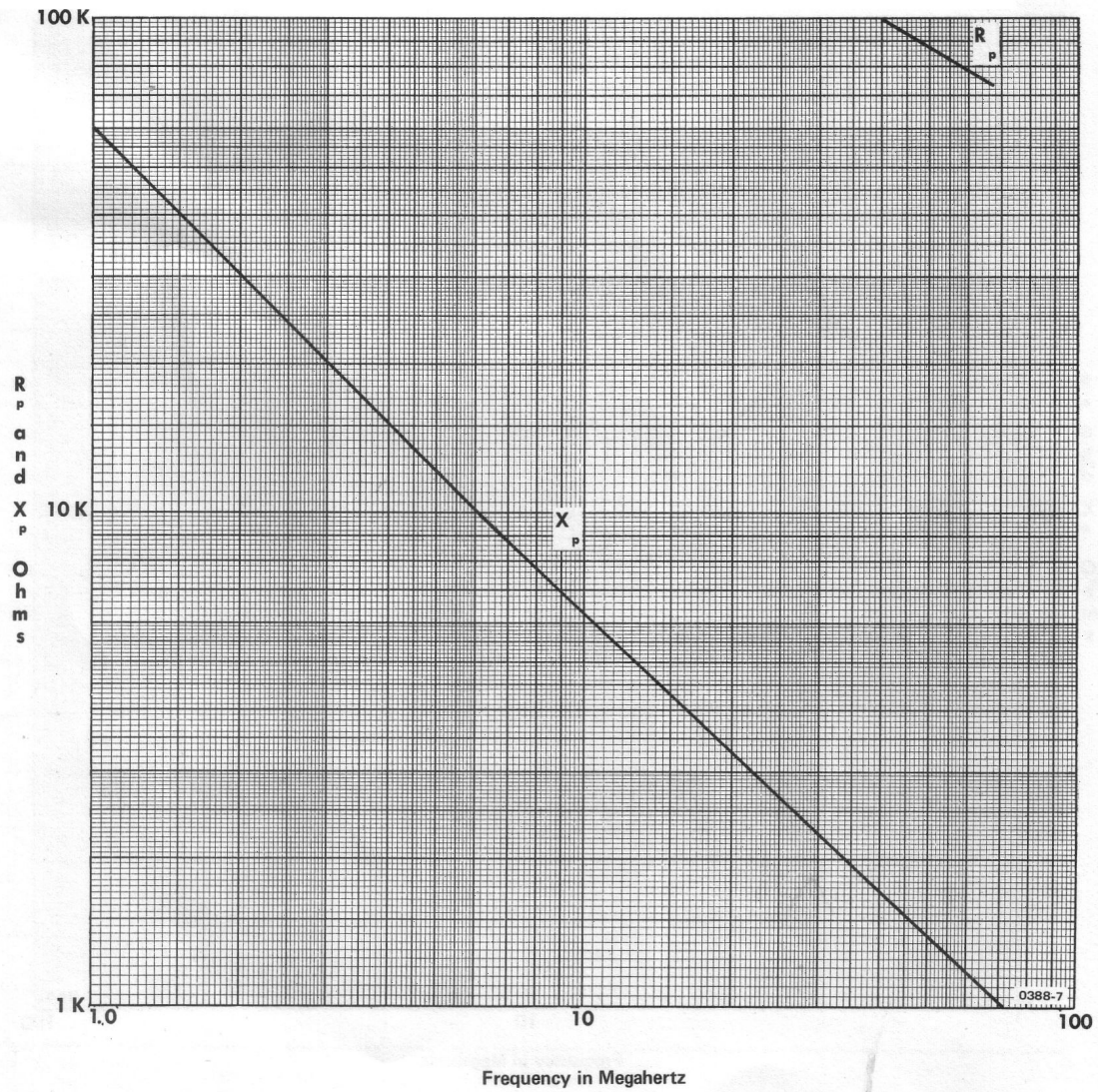


Fig. 8. P6007 input R<sub>p</sub> and X<sub>p</sub> vs frequency curves (9-ft cable).

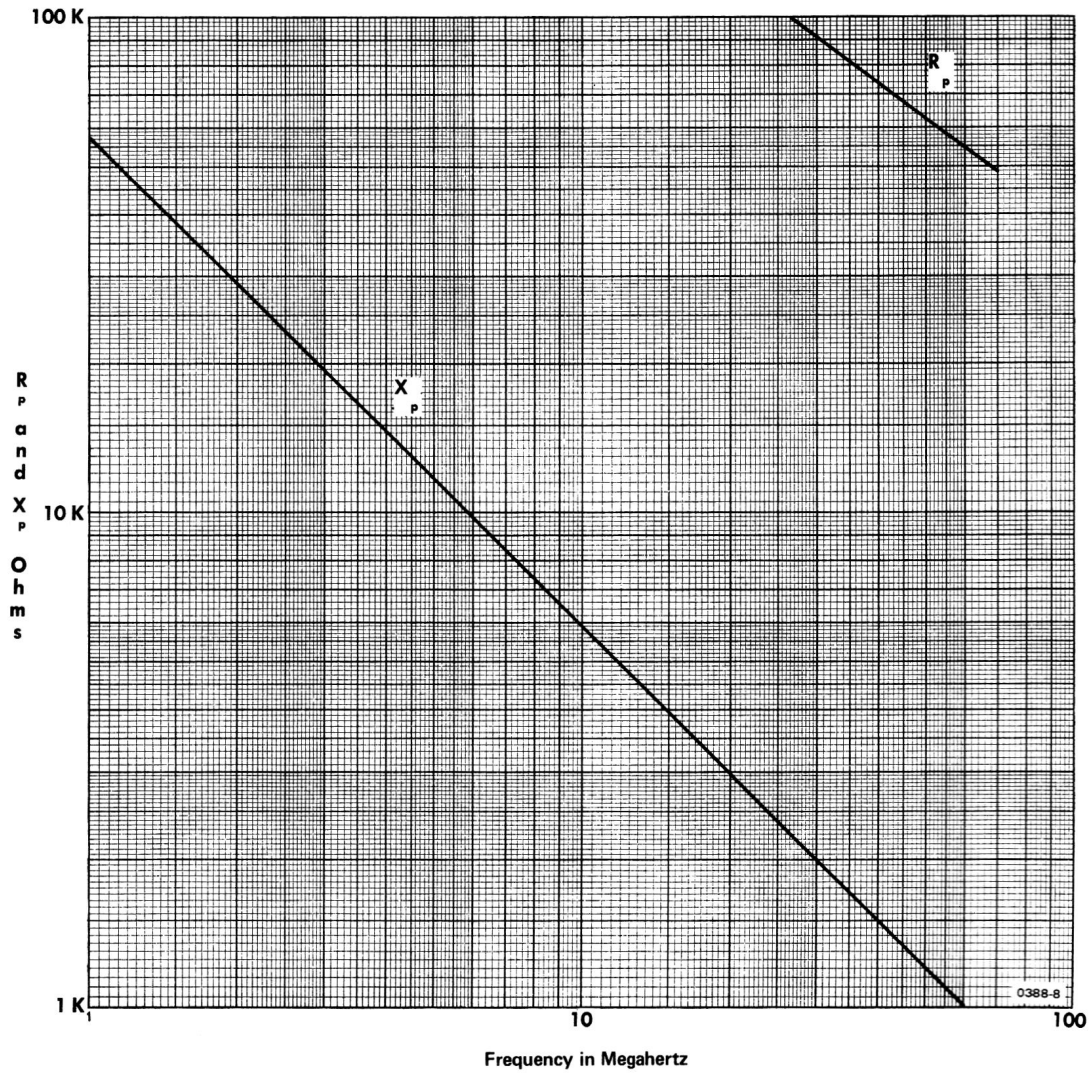


Fig. 9. P6007 input  $R_p$  and  $X_p$  vs frequency curves (12-ft cable).

## NOTES

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text on the paper.

# PARTS LIST AND SCHEMATICS

## PARTS ORDERING INFORMATION

Replacement parts are available from or through your local Tektronix Field Office.

Changes to Tektronix instruments are sometimes made to accommodate improved components as they become available, and to give you the benefit of the latest circuit improvements developed in our engineering department. It is therefore important, when ordering parts, to include the following information in your order: Part number including any suffix, instrument type, serial number, and modification number if applicable.

If a part you have ordered has been replaced with a new or improved part, your local Tektronix Field Office will contact you concerning any change in part number.

## ABBREVIATIONS AND SYMBOLS

|          |                             |          |                                   |
|----------|-----------------------------|----------|-----------------------------------|
| a or amp | amperes                     | mm       | millimeter                        |
| BHS      | binding head steel          | meg or M | megohms or mega ( $10^6$ )        |
| C        | carbon                      | met.     | metal                             |
| cer      | ceramic                     | $\mu$    | micro, or $10^{-6}$               |
| cm       | centimeter                  | n        | nano, or $10^{-9}$                |
| comp     | composition                 | $\Omega$ | ohm                               |
| cps      | cycles per second           | OD       | outside diameter                  |
| crt      | cathode-ray tube            | OHS      | oval head steel                   |
| CSK      | counter sunk                | p        | pico, or $10^{-12}$               |
| dia      | diameter                    | PHS      | pan head steel                    |
| div      | division                    | piv      | peak inverse voltage              |
| EMC      | electrolytic, metal cased   | plstc    | plastic                           |
| EMT      | electrolytic, metal tubular | PMC      | paper, metal cased                |
| ext      | external                    | poly     | polystyrene                       |
| f        | farad                       | Prec     | precision                         |
| F & I    | focus and intensity         | PT       | paper tubular                     |
| FHS      | flat head steel             | PTM      | paper or plastic, tubular, molded |
| Fil HS   | fillister head steel        | RHS      | round head steel                  |
| g or G   | giga, or $10^9$             | rms      | root mean square                  |
| Ge       | germanium                   | sec      | second                            |
| GMV      | guaranteed minimum value    | Si       | silicon                           |
| h        | henry                       | S/N      | serial number                     |
| hex      | hexagonal                   | t or T   | tera, or $10^{12}$                |
| HHS      | hex head steel              | TD       | toroid                            |
| HSS      | hex socket steel            | THS      | truss head steel                  |
| HV       | high voltage                | tub.     | tubular                           |
| ID       | inside diameter             | v or V   | volt                              |
| incd     | incandescent                | Var      | variable                          |
| int      | internal                    | w        | watt                              |
| k or K   | kilohms or kilo ( $10^3$ )  | w/       | with                              |
| kc       | kilocycle                   | w/o      | without                           |
| m        | milli, or $10^{-3}$         | WW       | wire-wound                        |
| mc       | megacycle                   |          |                                   |

## SPECIAL NOTES AND SYMBOLS

X000 Part first added at this serial number.

000X Part removed after this serial number.

\*000-000 Asterisk preceding Tektronix Part Number indicates manufactured by or for Tektronix, or reworked or checked components.

Use 000-000 Part number indicated is direct replacement.



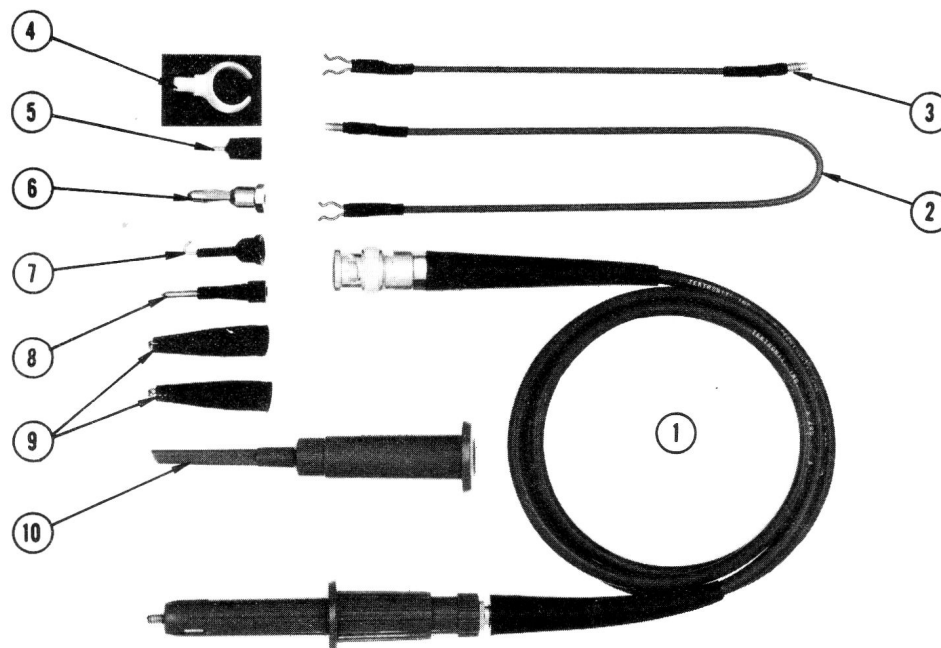
Internal screwdriver adjustment.



Front-panel adjustment or connector.

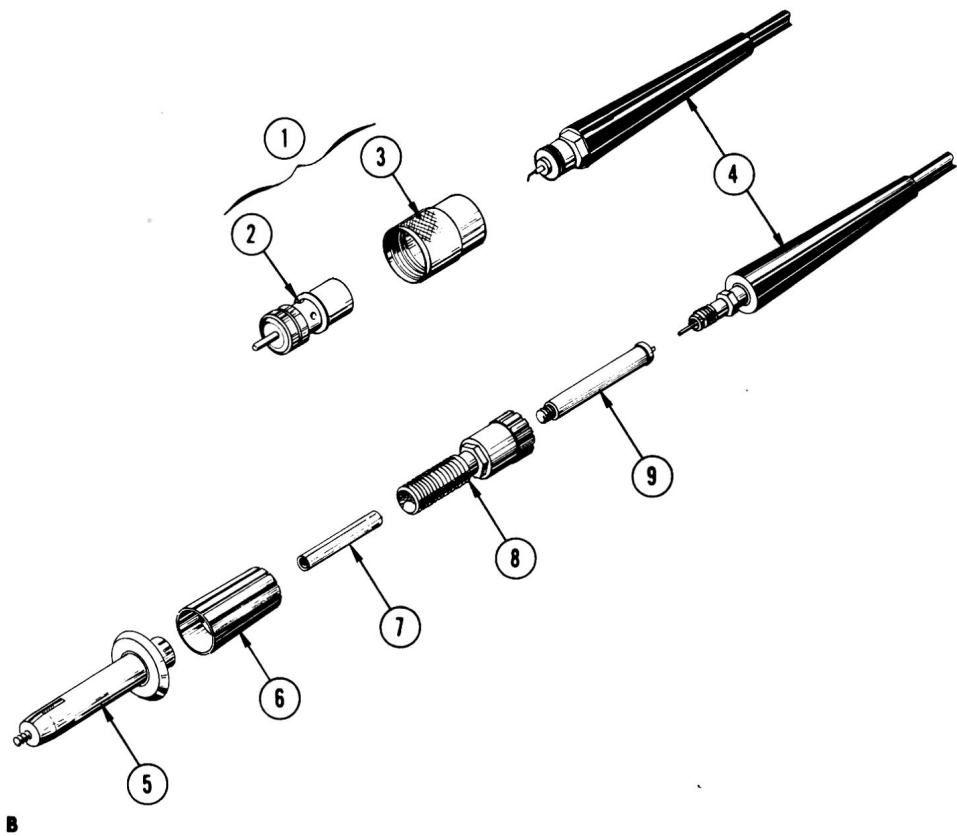


## PROBE WITH ACCESSORIES



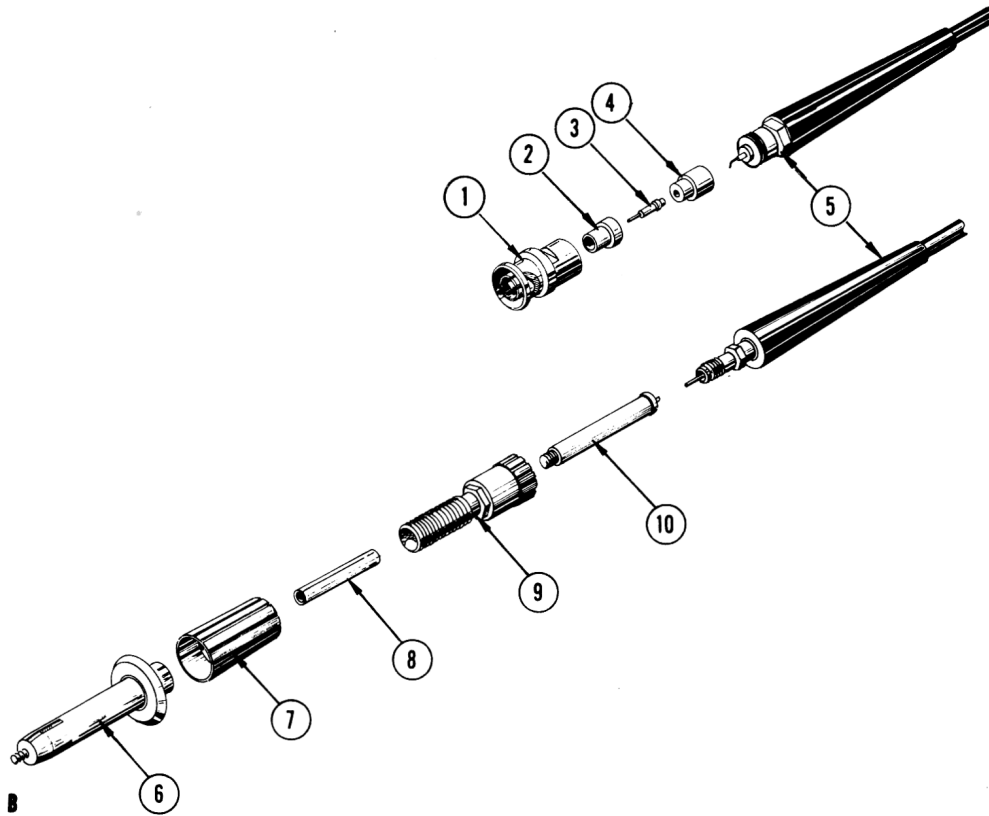
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|----------------------|-----------------------|------------------|--------------|---|---|---|---|---|----------------------------------|
| PROBE PACKAGE        |                       |                  |              |   |   |   |   |   |                                  |
| 1—9                  | 010-0134-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 3.5 ft UHF |
|                      | 010-0150-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 3.5 ft BNC |
|                      | 010-0162-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 6 ft UHF   |
|                      | 010-0165-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 6 ft BNC   |
|                      | 010-0136-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 9 ft UHF   |
|                      | 010-0152-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 9 ft BNC   |
|                      | 010-0138-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 12 ft UHF  |
|                      | 010-0154-00           |                  |              |   |   |   |   |   | PROBE PACKAGE, P6007, 12 ft BNC  |
|                      | - - - - -             |                  | -            |   |   |   |   |   | probe package includes:          |
| PROBE ONLY           |                       |                  |              |   |   |   |   |   |                                  |
| 1                    | 010-0135-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 3.5 ft UHF         |
|                      | 010-0151-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 3.5 ft BNC         |
|                      | 010-0163-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 6 ft UHF           |
|                      | 010-0166-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 6 ft BNC           |
|                      | 010-0137-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 9 ft UHF           |
|                      | 010-0153-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 9 ft BNC           |
|                      | 010-0139-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 12 ft UHF          |
|                      | 010-0155-00           |                  | 1            |   |   |   |   |   | PROBE, P6007, 12 ft BNC          |
| STANDARD ACCESSORIES |                       |                  |              |   |   |   |   |   |                                  |
| 2                    | 175-0125-00           |                  | 1            |   |   |   |   |   | CABLE, ground lead, 12 inches    |
| 3                    | 175-0124-00           |                  | 1            |   |   |   |   |   | CABLE, ground lead, 5 inches     |
| 4                    | 352-0090-00           |                  | 1            |   |   |   |   |   | HOLDER, probe                    |
| 5                    | 206-0015-00           |                  | 1            |   |   |   |   |   | TIP, straight, BNC               |
| 6                    | 134-0013-00           |                  | 1            |   |   |   |   |   | PLUG, banana                     |
| 7                    | 206-0105-00           |                  | 1            |   |   |   |   |   | TIP, probe, hook                 |
| 8                    | 206-0060-00           |                  | 1            |   |   |   |   |   | TIP, probe spring                |
| 9                    | 344-0046-00           |                  | 2            |   |   |   |   |   | CLIP, probe                      |
| 10                   | 013-0071-00           |                  | 1            |   |   |   |   |   | PINCHER TIP                      |
|                      | 070-0388-01           |                  | 1            |   |   |   |   |   | MANUAL, instruction (not shown)  |

REPLACEABLE PARTS



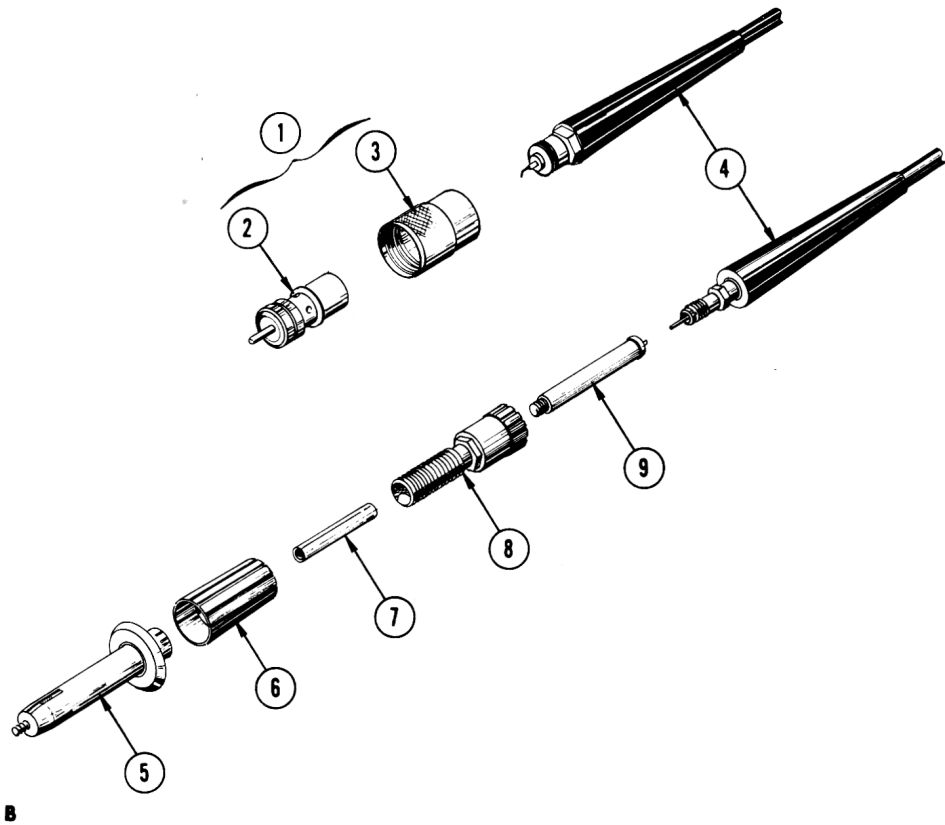
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|             |                       | EFF.             | DISC. |              |                                     |
|             | 010-0135-00           |                  |       | 1            | PROBE, P6007, 3.5 ft UHF            |
|             | - - - - -             |                  |       | -            | probe includes:                     |
| 1           | 131-0058-00           |                  |       | 1            | ASSEMBLY, connector                 |
|             | - - - - -             |                  |       | -            | assembly includes:                  |
| 2           | 131-0196-00           |                  |       | 1            | CONNECTOR, coaxial, cable end, male |
| 3           | 200-0026-00           |                  |       | 1            | COVER, coaxial connector            |
| 4           | 175-0261-00           |                  |       | 1            | CABLE ASSEMBLY, 3.5 ft UHF          |
| 5           | 204-0188-00           |                  |       | 1            | BODY, assembly w/resistor           |
| 6           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                     |
| 7           | 166-0349-00           |                  |       | 1            | SLEEVE                              |
| 8           | 358-0194-00           |                  |       | 1            | BUSHING, base                       |
| 9           | 358-0192-00           |                  |       | 1            | BUSHING, inner base                 |

# REPLACEABLE PARTS



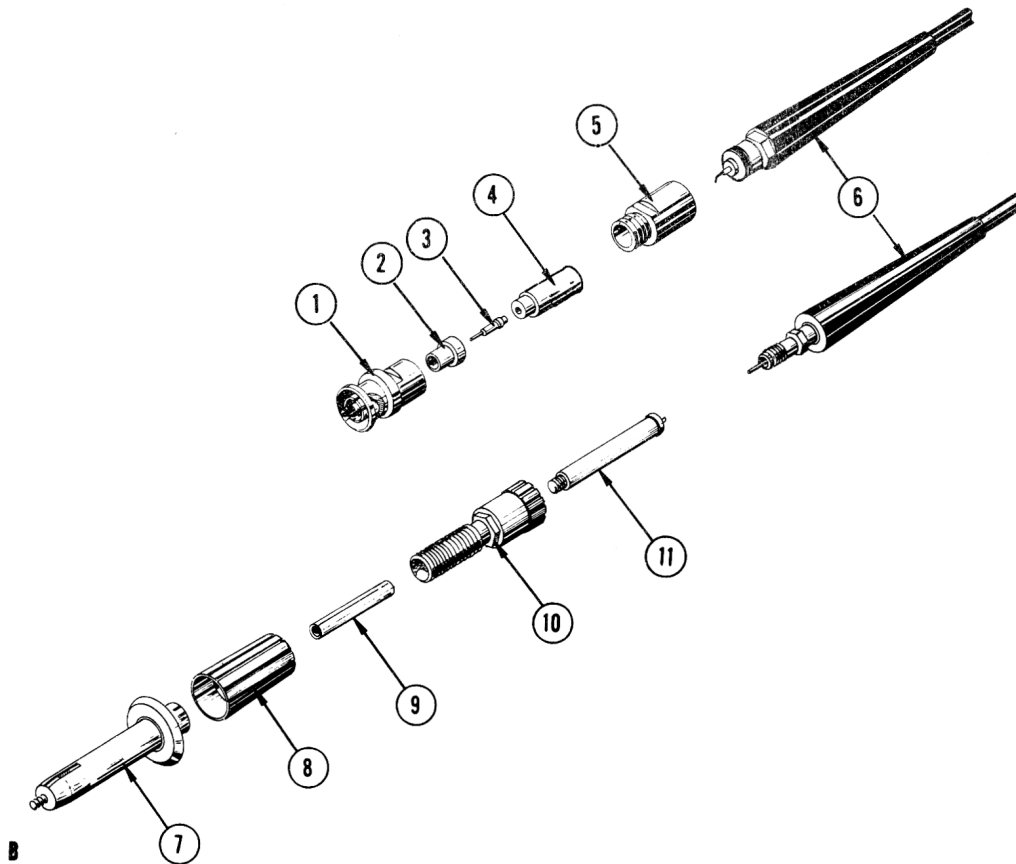
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|             | 010-0151-00           |                  |       | 1            | PROBE, P6007, 3.5 ft BNC                 |
|             | - - - - -             |                  |       | -            | probe includes:                          |
| 1           | 134-0044-00           |                  |       | 1            | PLUG, probe                              |
| 2           | 358-0072-00           |                  |       | 1            | BUSHING, insulator                       |
| 3           | 214-0109-00           |                  |       | 1            | PIN, probe contact, male                 |
| 4           | 361-0022-00           |                  |       | 1            | SPACER, w/center hole                    |
| 5           | 175-0272-00           |                  |       | 1            | CABLE ASSEMBLY, 3.5 ft BNC               |
| 6           | 204-0192-00           |                  |       | 1            | BODY, assembly w/resistor                |
| 7           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                          |
| 8           | 166-0349-00           |                  |       | 1            | SLEEVE                                   |
| 9           | 358-0194-00           |                  |       | 1            | BUSHING, base                            |
| 10          | 358-0192-00           |                  |       | 1            | BUSHING, inner base                      |
|             | 131-1098-02           |                  |       | 1            | CONTACT, electrical, readout (not shown) |

REPLACEABLE PARTS



| REF.<br>NO. | TEKTRONIX<br>PART NO. | SERIAL/MODEL NO. |       | Q<br>T<br>Y. | DESCRIPTION                         |
|-------------|-----------------------|------------------|-------|--------------|-------------------------------------|
|             |                       | EFF.             | DISC. |              |                                     |
|             | 010-0163-00           |                  |       | 1            | PROBE, P6007, 6 ft UHF              |
|             | - - - - -             |                  |       | -            | probe includes:                     |
| 1           | 131-0058-00           |                  |       | 1            | ASSEMBLY, connector                 |
|             | - - - - -             |                  |       | -            | assembly includes:                  |
| 2           | 131-0196-00           |                  |       | 1            | CONNECTOR, coaxial, cable end, male |
| 3           | 200-0026-00           |                  |       | 1            | COVER, coaxial connector            |
| 4           | 175-0278-00           |                  |       | 1            | CABLE ASSEMBLY, 6 ft UHF            |
| 5           | 204-0189-00           |                  |       | 1            | BODY, assembly w/resistor           |
| 6           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                     |
| 7           | 166-0349-00           |                  |       | 1            | SLEEVE                              |
| 8           | 358-0194-00           |                  |       | 1            | BUSHING, base                       |
| 9           | 358-0195-00           |                  |       | 1            | BUSHING, inner base                 |

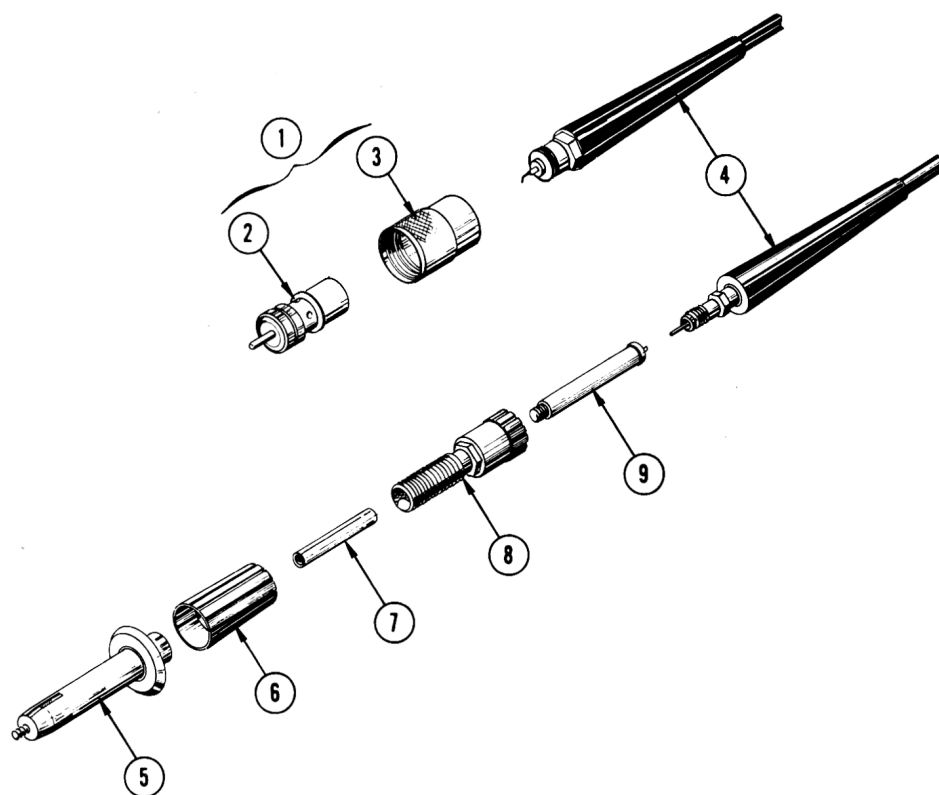
## REPLACEABLE PARTS



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|-------------|-----------------------|------------------|-------|--------------|---|---|---|---|---|------------------------------------------|
|             |                       | EFF.             | DISC. |              |   |   |   |   |   |                                          |
|             | 010-0166-00           |                  |       | 1            |   |   |   |   |   | PROBE, P6007, 6 ft BNC                   |
|             | - - - - -             |                  |       | 1            |   |   |   |   |   | probe includes:                          |
| 1           | 134-0044-00           |                  |       | 1            |   |   |   |   |   | PLUG, probe                              |
| 2           | 358-0072-00           |                  |       | 1            |   |   |   |   |   | BUSHING, insulator                       |
| 3           | 214-0109-00           |                  |       | 1            |   |   |   |   |   | PIN, probe contact, male                 |
| 4           | 166-0326-00           |                  |       | 1            |   |   |   |   |   | SLEEVE, adapter                          |
| 5           | 131-0270-00           |                  |       | 1            |   |   |   |   |   | ADAPTER                                  |
| 6           | 175-0279-00           |                  |       | 1            |   |   |   |   |   | CABLE ASSEMBLY, 6 ft BNC                 |
| 7           | 204-0193-00           |                  |       | 1            |   |   |   |   |   | BODY, assembly w/resistor                |
| 8           | 166-0285-00           |                  |       | 1            |   |   |   |   |   | SLEEVE, locking                          |
| 9           | 166-0349-00           |                  |       | 1            |   |   |   |   |   | SLEEVE                                   |
| 10          | 358-0194-00           |                  |       | 1            |   |   |   |   |   | BUSHING, base                            |
| 11          | 358-0192-00           |                  |       | 1            |   |   |   |   |   | BUSHING, inner base                      |
|             | 131-1098-02           |                  |       | 1            |   |   |   |   |   | CONTACT, electrical, readout (not shown) |



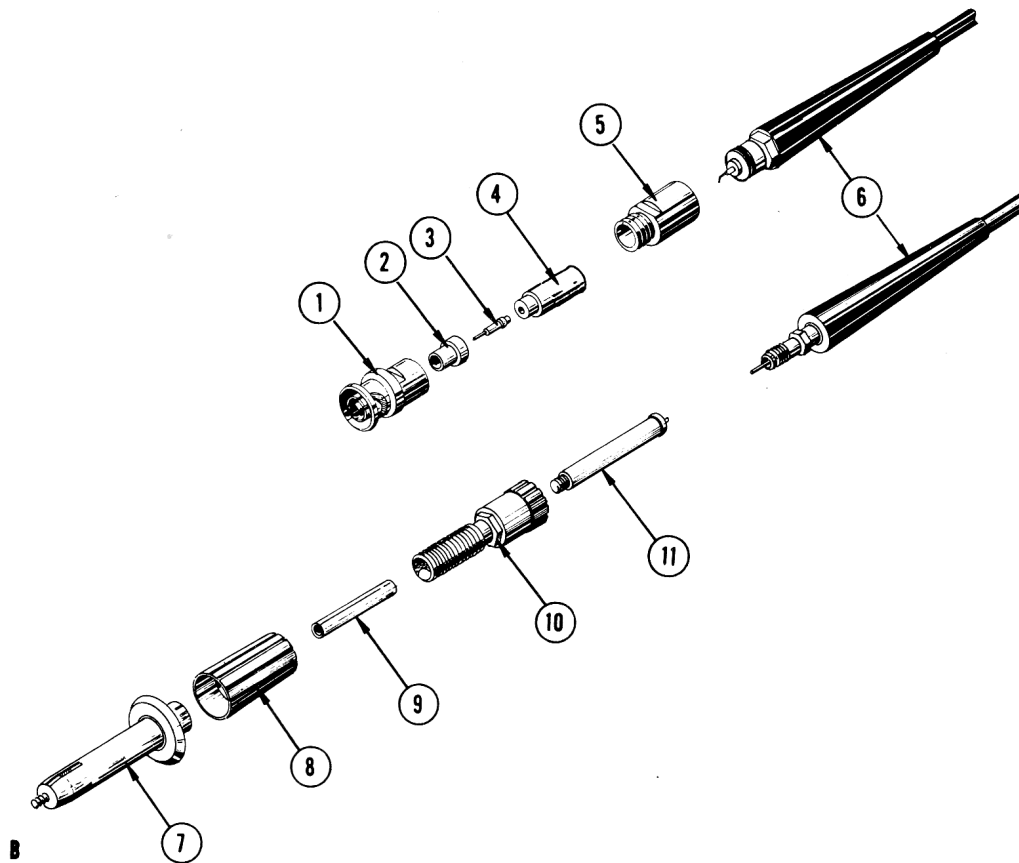
## REPLACEABLE PARTS



B

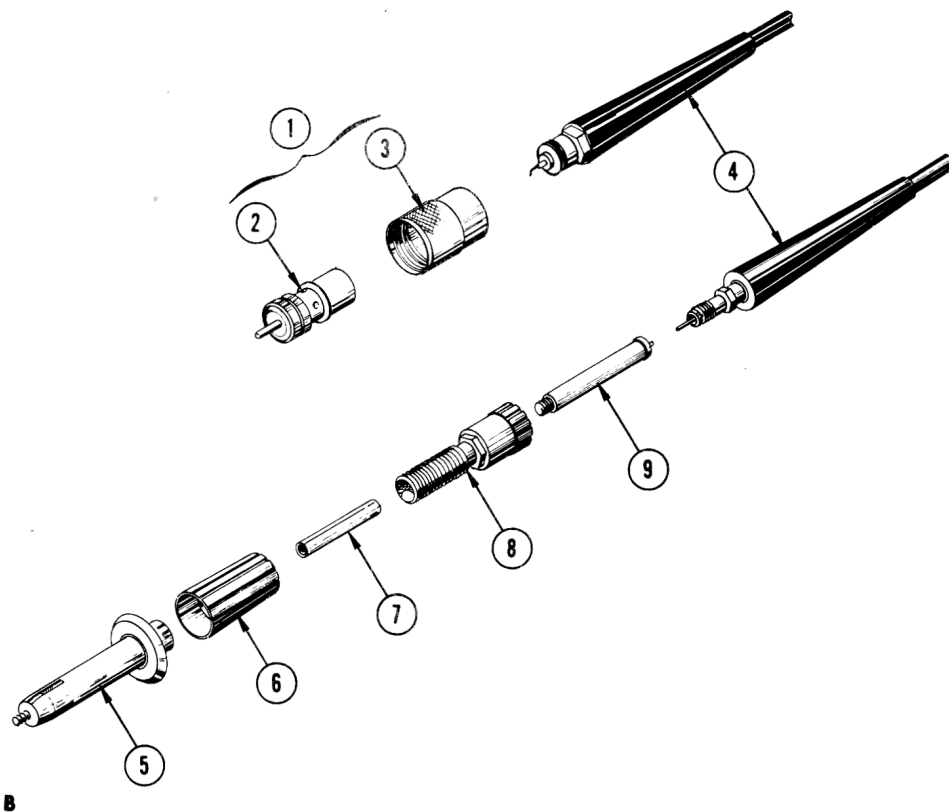
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|             | 010-0137-00           |                  |       | 1            | PROBE, P6007, 9 ft UHF              |
|             | - - - - -             |                  |       | -            | probe includes:                     |
| 1           | 131-0058-00           |                  |       | 1            | ASSEMBLY, connector                 |
|             | - - - - -             |                  |       | -            | assembly includes:                  |
| 2           | 131-0196-00           |                  |       | 1            | CONNECTOR, coaxial, cable end, male |
| 3           | 200-0026-00           |                  |       | 1            | COVER, coaxial connector            |
| 4           | 175-0266-00           |                  |       | 1            | CABLE ASSEMBLY, 9 ft UHF            |
| 5           | 204-0190-00           |                  |       | 1            | BODY, assembly w/resistor           |
| 6           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                     |
| 7           | 166-0349-00           |                  |       | 1            | SLEEVE                              |
| 8           | 358-0194-00           |                  |       | 1            | BUSHING, base                       |
| 9           | 358-0192-00           |                  |       | 1            | BUSHING, inner base                 |

## REPLACEABLE PARTS



| REF.<br>NO. | TEKTRONIX<br>PART NO. | SERIAL/MODEL NO. |       | Q<br>T<br>Y. | DESCRIPTION                              |
|-------------|-----------------------|------------------|-------|--------------|------------------------------------------|
|             |                       | EFF.             | DISC. |              |                                          |
|             | 010-0153-00           |                  |       | 1            | PROBE, P6007, 9 ft BNC                   |
|             | - - - - -             |                  |       | -            | probe includes:                          |
| 1           | 134-0044-00           |                  |       | 1            | PLUG, probe                              |
| 2           | 358-0072-00           |                  |       | 1            | BUSHING, insulator                       |
| 3           | 214-0109-00           |                  |       | 1            | PIN, probe contact, male                 |
| 4           | 166-0326-00           |                  |       | 1            | SLEEVE, adapter                          |
| 5           | 131-0270-00           |                  |       | 1            | ADAPTER                                  |
| 6           | 175-0280-00           |                  |       | 1            | CABLE ASSEMBLY, 9 ft BNC                 |
| 7           | 204-0194-00           |                  |       | 1            | BODY, assembly w/resistor                |
| 8           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                          |
| 9           | 166-0349-00           |                  |       | 1            | SLEEVE                                   |
| 10          | 358-0194-00           |                  |       | 1            | BUSHING, base                            |
| 11          | 358-0192-00           |                  |       | 1            | BUSHING, inner base                      |
|             | 131-1098-02           |                  |       | 1            | CONTACT, electrical, readout (not shown) |

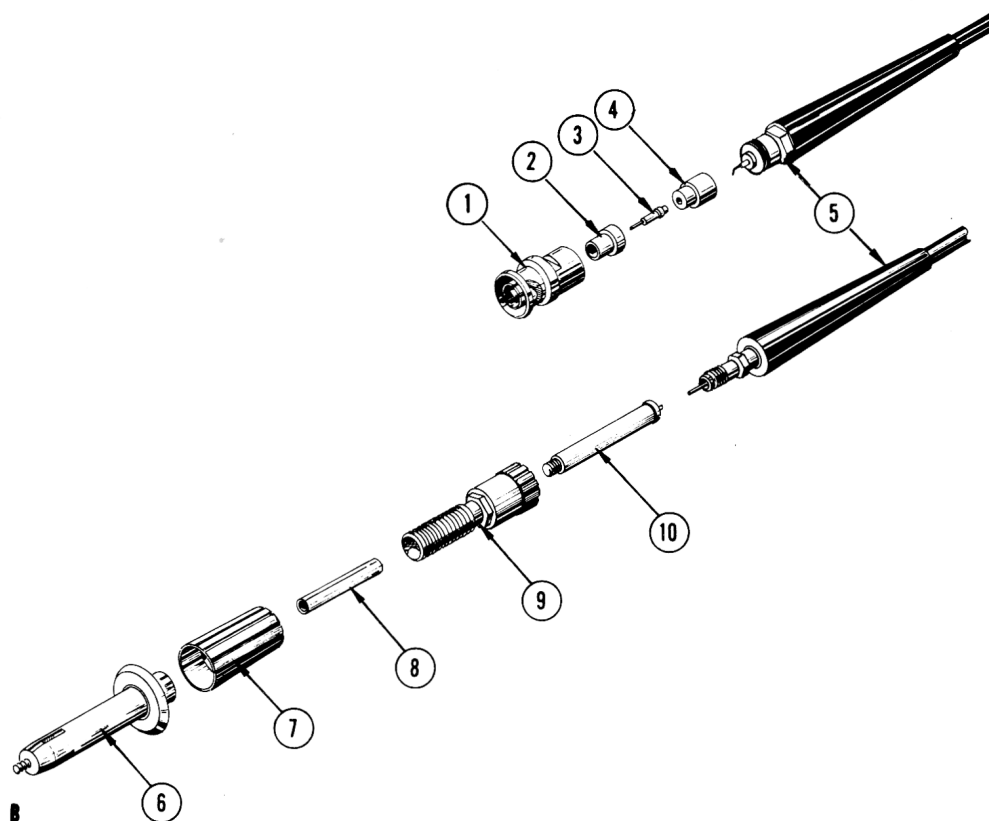
## REPLACEABLE PARTS



B

| REF.<br>NO. | TEKTRONIX<br>PART NO. | SERIAL/MODEL NO. |       | Q<br>T<br>Y. | DESCRIPTION                         |
|-------------|-----------------------|------------------|-------|--------------|-------------------------------------|
|             |                       | EFF.             | DISC. |              |                                     |
|             | 010-0139-00           |                  |       | 1            | PROBE, P6007, 12 ft UHF             |
|             | - - - - -             |                  |       | -            | probe includes:                     |
| 1           | 131-0058-00           |                  |       | 1            | ASSEMBLY, connector                 |
|             | - - - - -             |                  |       | -            | assembly includes:                  |
| 2           | 131-0196-00           |                  |       | 1            | CONNECTOR, coaxial, cable end, male |
| 3           | 200-0026-00           |                  |       | 1            | COVER, coaxial, connector           |
| 4           | 175-0282-00           |                  |       | 1            | CABLE ASSEMBLY, 12 ft UHF           |
| 5           | 204-0191-00           |                  |       | 1            | BODY, assembly w/resistor           |
| 6           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                     |
| 7           | 166-0349-00           |                  |       | 1            | SLEEVE                              |
| 8           | 358-0194-00           |                  |       | 1            | BUSHING, base                       |
| 9           | 358-0192-00           |                  |       | 1            | BUSHING, inner base                 |

## REPLACEABLE PARTS



| REF.<br>NO. | TEKTRONIX<br>PART NO. | SERIAL/MODEL NO. |       | Q<br>T<br>Y. | DESCRIPTION                              |
|-------------|-----------------------|------------------|-------|--------------|------------------------------------------|
|             |                       | EFF.             | DISC. |              |                                          |
|             | 010-0155-00           |                  |       | 1            | PROBE, P6007, 12 ft BNC                  |
|             | - - - - -             |                  |       | -            | probe includes:                          |
| 1           | 134-0044-00           |                  |       | 1            | PLUG, probe                              |
| 2           | 358-0072-00           |                  |       | 1            | BUSHING, insulator                       |
| 3           | 214-0109-00           |                  |       | 1            | PIN, probe contact, male                 |
| 4           | 361-0022-00           |                  |       | 1            | SPACER, w/center hole                    |
| 5           | 175-0283-00           |                  |       | 1            | CABLE ASSEMBLY, 12 ft BNC                |
| 6           | 204-0195-00           |                  |       | 1            | BODY, assembly w/resistor                |
| 7           | 166-0285-00           |                  |       | 1            | SLEEVE, locking                          |
| 8           | 166-0349-00           |                  |       | 1            | SLEEVE                                   |
| 9           | 358-0194-00           |                  |       | 1            | BUSHING, base                            |
| 10          | 358-0192-00           |                  |       | 1            | BUSHING, inner base                      |
|             | 131-1098-02           |                  |       | 1            | CONTACT, electrical, readout (not shown) |

**ELECTRICAL PARTS**

Values are fixed unless marked Variable.

| Ckt. No. | Tektronix<br>Part No. | Description |
|----------|-----------------------|-------------|
|----------|-----------------------|-------------|

**P6007 Probe—3.5 Foot UHF****Resistors**

|    |                |                |       |      |     |
|----|----------------|----------------|-------|------|-----|
| C1 | } <sup>1</sup> | Contact Spring |       |      |     |
| R1 |                | 9.9 M $\Omega$ | 1/4 W | Prec | 2%  |
| R2 |                | 111 k $\Omega$ | 1/8 W | Prec | 1%  |
| R3 |                | 390 $\Omega$   | 1/2 W |      | 10% |
|    |                | 318-0006-00    |       |      |     |
|    |                | 302-0391-00    |       |      |     |

**P6007 Probe—3.5 Foot BNC****Resistors**

|    |                |                |       |      |     |
|----|----------------|----------------|-------|------|-----|
| C1 | } <sup>2</sup> | Contact Spring |       |      |     |
| R1 |                | 9.9 M $\Omega$ | 1/4 W | Prec | 2%  |
| R2 |                | 111 k $\Omega$ | 1/8 W | Prec | 1%  |
| R3 |                | 390 $\Omega$   | 1/2 W |      | 10% |
|    |                | 318-0006-00    |       |      |     |
|    |                | 302-0391-00    |       |      |     |

**P6007 Probe—6 Foot UHF****Resistors**

|    |                |                |       |      |    |
|----|----------------|----------------|-------|------|----|
| C1 | } <sup>3</sup> | Contact Spring |       |      |    |
| R1 |                | 9.9 M $\Omega$ | 1/4 W | Prec | 2% |
| R2 |                | 111 k $\Omega$ | 1/8 W | Prec | 1% |
| R3 |                | 430 $\Omega$   | 1/2 W |      | 5% |
|    |                | 318-0006-00    |       |      |    |
|    |                | 301-0431-00    |       |      |    |

**Inductor**

|     |              |             |
|-----|--------------|-------------|
| L10 | *108-0182-00 | 0.3 $\mu$ H |
|-----|--------------|-------------|

**P6007 Probe—6 Foot BNC****Resistors**

|    |                |                |       |      |    |
|----|----------------|----------------|-------|------|----|
| C1 | } <sup>4</sup> | Contact Spring |       |      |    |
| R1 |                | 9.9 M $\Omega$ | 1/4 W | Prec | 2% |
| R2 |                | 111 k $\Omega$ | 1/8 W | Prec | 1% |
| R3 |                | 430 $\Omega$   | 1/2 W |      | 5% |
|    |                | 318-0006-00    |       |      |    |
|    |                | 301-0431-00    |       |      |    |

**Inductor**

|     |              |             |
|-----|--------------|-------------|
| L10 | *108-0182-00 | 0.3 $\mu$ H |
|-----|--------------|-------------|

<sup>1</sup>Furnished as a unit with \*204-0188-00 (Probe Body Ass'y).<sup>2</sup>Furnished as a unit with \*204-0192-00 (Probe Body Ass'y).<sup>3</sup>Furnished as a unit with \*204-0189-00 (Probe Body Ass'y).<sup>4</sup>Furnished as a unit with \*204-0193-00 (Probe Body Ass'y).

| Ckt. No. | Tektronix<br>Part No. | Description |
|----------|-----------------------|-------------|
|----------|-----------------------|-------------|

**P6007 Probe—9 Foot UHF****Resistors**

|                   |             |                |       |      |     |
|-------------------|-------------|----------------|-------|------|-----|
| C1 } <sup>5</sup> |             | Contact Spring |       |      |     |
| R1 }              |             | 9.9 MΩ         | 1/4 W | Prec | 2%  |
| R2                | 318-0006-00 | 111 kΩ         | 1/8 W | Prec | 1%  |
| R3                | 302-0681-00 | 680 Ω          | 1/2 W |      | 10% |
| R10               | 302-0820-00 | 82 Ω           | 1/2 W |      | 10% |

**P6007 Probe—9 Foot BNC****Resistors**

|                   |             |                |       |      |     |
|-------------------|-------------|----------------|-------|------|-----|
| C1 } <sup>6</sup> |             | Contact Spring |       |      |     |
| R1 }              |             | 9.9 MΩ         | 1/4 W | Prec | 2%  |
| R2                | 318-0006-00 | 111 kΩ         | 1/8 W | Prec | 1%  |
| R3                | 302-0681-00 | 680 Ω          | 1/2 W |      | 10% |
| R10               | 302-0820-00 | 82 Ω           | 1/2 W |      | 10% |

**P6007 Probe—12 Foot UHF****Resistors**

|                   |             |                |       |      |     |
|-------------------|-------------|----------------|-------|------|-----|
| C1 } <sup>7</sup> |             | Contact Spring |       |      |     |
| R1 }              |             | 9.9 MΩ         | 1/4 W | Prec | 2%  |
| R2                | 318-0006-00 | 111 kΩ         | 1/8 W | Prec | 1%  |
| R3                | 302-0561-00 | 560 Ω          | 1/2 W |      | 10% |

**P6007 Probe—12 Foot BNC****Resistors**

|                   |             |                |       |      |     |
|-------------------|-------------|----------------|-------|------|-----|
| C1 } <sup>8</sup> |             | Contact Spring |       |      |     |
| R1 }              |             | 9.9 MΩ         | 1/4 W | Prec | 2%  |
| R2                | 318-0006-00 | 111 kΩ         | 1/8 W | Prec | 1%  |
| R3                | 302-0561-00 | 560 Ω          | 1/2 W |      | 10% |

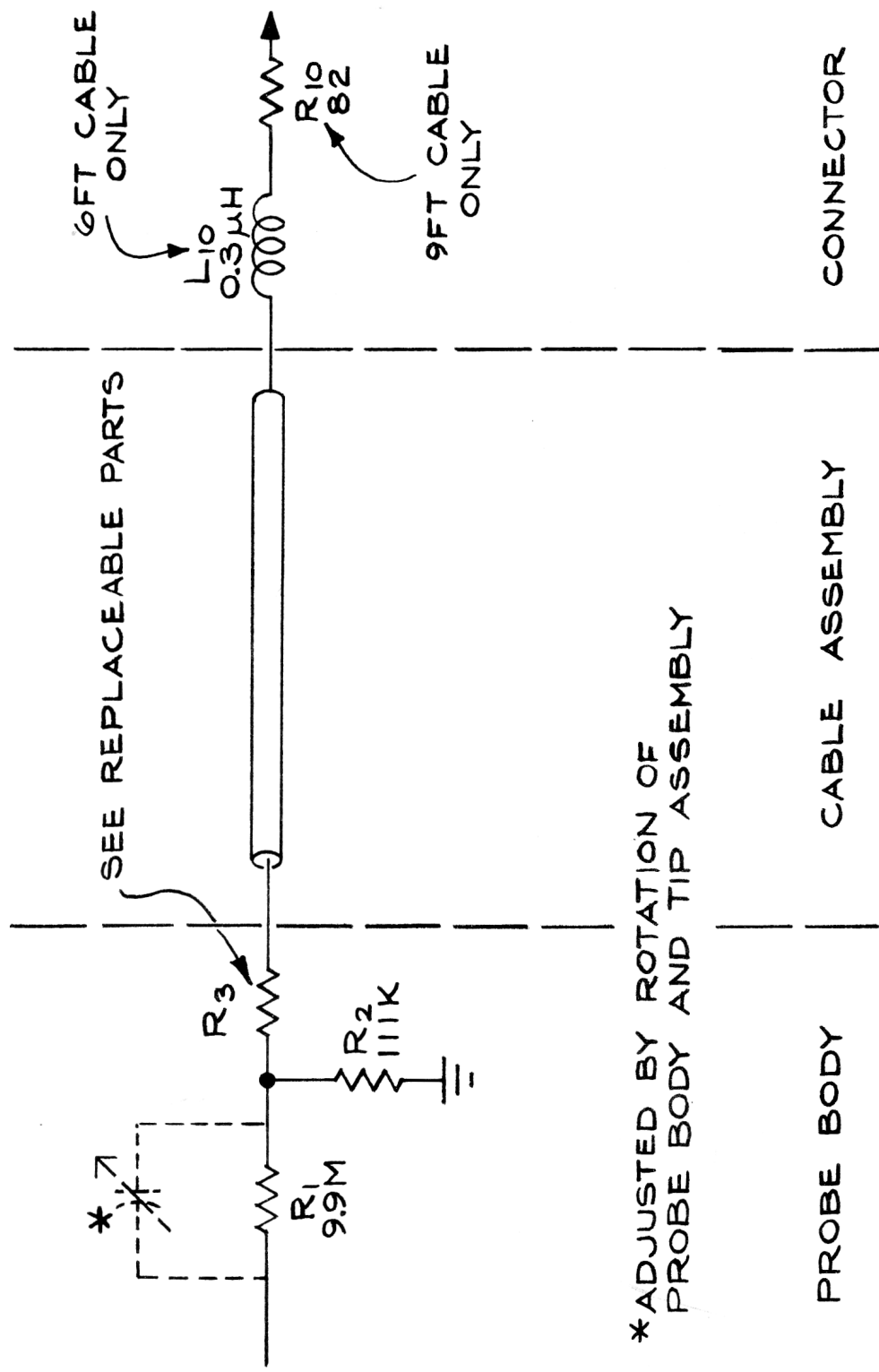
<sup>5</sup>Furnished as a unit with \*204-0190-00 (Probe Body Ass'y).

<sup>6</sup>Furnished as a unit with \*204-0194-00 (Probe Body Ass'y).

<sup>7</sup>Furnished as a unit with \*204-0191-00 (Probe Body Ass'y).

<sup>8</sup>Furnished as a unit with \*204-0195-00 (Probe Body Ass'y).





P6007

A1