

496 & 496P SPECTRUM ANALYZER WITH OPTIONS VOLUME 2

WARNING

THE FOLLOWING SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED PERSONNEL ONLY. TO AVOID PERSONAL INJURY, DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO. REFER TO OPERATORS SAFETY SUMMARY AND SERVICE SAFETY SUMMARY PRIOR TO PERFORMING ANY SERVICE.

Please Check for CHANGE INFORMATION at the Rear of This Manual

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Tektronix
COMMITTED TO EXCELLENCE

TABLE OF CONTENTS

SAFETY SUMMARY

Section 7 REPLACEABLE ELECTRICAL PARTS

Section 8 DIAGRAMS

Section 9 REPLACEABLE MECHANICAL PARTS

LIST OF ILLUSTRATIONS

The following circuit board figures are located near their associated diagrams in Section 8.

8-1	A16A1 — 1st LO Interface	8-24	A68A4 — Post VR Amplifier
8-2	A24A1 — Phase Gate Input	8-25	A62 — Log and Video Amplifier
8-3	A51 — 1st LO Phaselock Control	8-26	A40 — Video Processor
8-4	A50A4 — Error Amplifier	8-27	A61 — Vertical Digital Storage
8-5	A50A1 — Synthesizer	8-28	A60 — Horizontal Digital Storage
8-6	A50A3 — Offset Mixer	8-29	A64 — Deflection Amplifier
8-7	A50A5 — Controlled Oscillator	8-30	A66 — Crt Readout
8-8	A50A2 — Strobe Driver	8-31	A70 — Z-Axis/RF Interface
8-9	A18A1 — 2nd Converter	8-32	A74 — High Voltage Supply
8-10	A22A1 — 16—20 MHz Phaselock	8-33	A74A1 — High Voltage Supply Interface
8-11	A22A2A1 — 2182 MHz Oscillator	8-34	A72 — Sweep
8-12	A22A2A2 — 2200 MHz Reference	8-35	A48 — Span Attenuator
8-13	A22A2A3 — 2200 MHz Mixer	8-36	A46 — Center Frequency Control
8-14	A32A1 — 110 MHz IF Amplifier	8-37	A44 — 1st LO Driver
8-15	A34A1 — 100 MHz Oscillator and 3rd Mixer	8-38	A58 — Processor
8-16	A68A5 — VR #1 Motherboard	8-39	A54 — Memory
8-17	A68A6 — VR Input	8-40	A38 — Front Panel
8-18	A68A7 — 1st Filter Select	8-41	A56 — GPIB
8-19	A68A8 — 10 dB Gain Steps	8-42	A57 — GPIB Interface
8-20	A68A1 — VR #2 Motherboard	8-43	A76 — Accessories Interface
8-21	A68A9 — 20 dB Gain Steps	8-44	A30A1 — Main Power Supply
8-22	A68A3 — Band Leveling	8-45	A30A2 — Fan Drive
8-23	A68A2 — 2nd Filter Select		

REPLACEABLE ELECTRICAL PARTS

PARTS ORDERING INFORMATION

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

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, instrument type or number, 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, Inc. Field Office or representative will contact you concerning any change in part number.

Change information, if any, is located at the rear of this manual.

LIST OF ASSEMBLIES

A list of assemblies can be found at the beginning of the Electrical Parts List. The assemblies are listed in numerical order. When the complete component number of a part is known, this list will identify the assembly in which the part is located.

CROSS INDEX-MFR. CODE NUMBER TO MANUFACTURER

The Mfr. Code Number to Manufacturer index for the Electrical Parts List is located immediately after this page. The Cross Index provides codes, names and addresses of manufacturers of components listed in the Electrical Parts List.

ABBREVIATIONS

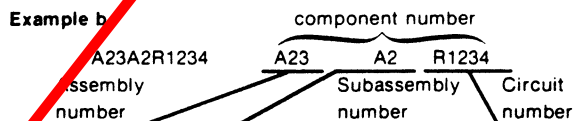
Abbreviations conform to American National Standard Y1.1.

COMPONENT NUMBER (column one of the Electrical Parts List)

A numbering method has been used to identify assemblies, subassemblies and parts. Examples of this numbering method and typical expansions are illustrated by the following:



Read: Resistor 1234 of Assembly 23



Read: Resistor 1234 of Subassembly 2 of Assembly 23

Only the circuit number will appear on the diagrams and circuit board illustrations. Each diagram and circuit board illustration is clearly marked with the assembly number. Assembly numbers are also marked on the mechanical exploded views located in the Mechanical Parts List. The component number is obtained by adding the assembly number prefix to the circuit number.

The Electrical Parts List is divided and arranged by assemblies in numerical sequence (e.g., assembly A1 with its subassemblies and parts, precedes assembly A2 with its subassemblies and parts).

Chassis-mounted parts have no assembly number prefix and are located at the end of the Electrical Parts List.

TEKTRONIX PART NO. (column two of the Electrical Parts List)

Indicates part number to be used when ordering replacement part from Tektronix.

SERIAL/MODEL NO. (columns three and four of the Electrical Parts List)

Column three (3) indicates the serial number at which the part was first used. Column four (4) indicates the serial number at which the part was removed. No serial number entered indicates part is good for all serial numbers.

NAME & DESCRIPTION (column five of the Electrical Parts List)

In the Parts List, an Item Name is separated from the description by a colon (:). Because of space limitations, an Item Name may sometimes appear as incomplete. For further Item Name identification, the U.S. Federal Cataloging Handbook H6-1 can be utilized where possible.

MFR. CODE (column six of the Electrical Parts List)

Indicates the code number of the actual manufacturer of the part. (Code to name and address cross reference can be found immediately after this page.)

MFR. PART NUMBER (column seven of the Electrical Parts List)

Indicates actual manufacturers part number.

REPLACEABLE MECHANICAL PARTS

PARTS ORDERING INFORMATION

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

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, instrument type or number, 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, Inc. Field Office or representative will contact you concerning any change in part number.

Change information, if any, is located at the rear of this manual.

ITEM NAME

In the Parts List, an Item Name is separated from the description by a colon (:). Because of space limitations, an Item Name may sometimes appear as incomplete. For further Item Name identification, the U.S. Federal Cataloging Handbook H6-1 can be utilized where possible.

FIGURE AND INDEX NUMBERS

Items in this section are referenced by figure and index numbers to the illustrations.

INDENTATION SYSTEM

This mechanical parts list is indented to indicate item relationships. Following is an example of the indentation system used in the description column.

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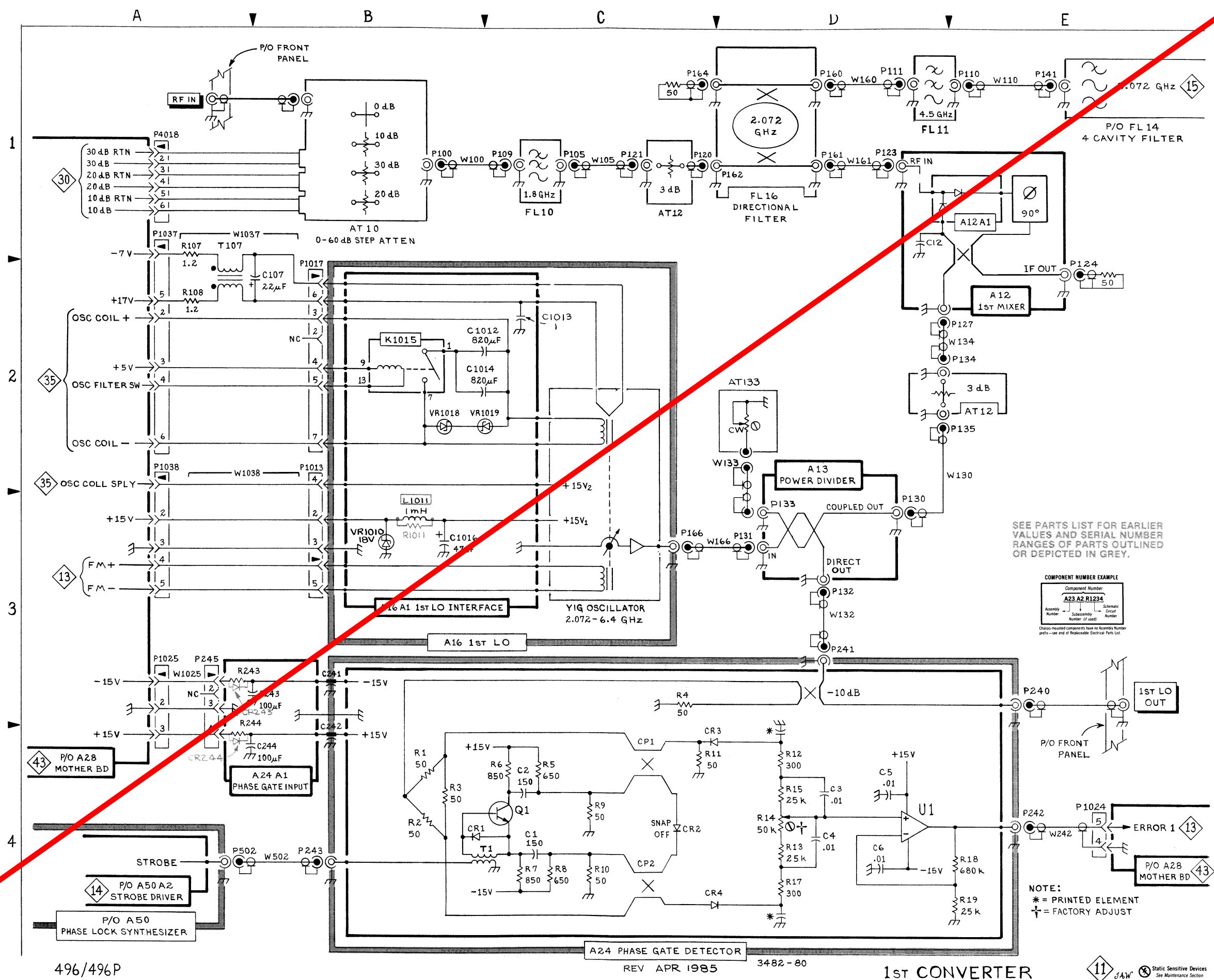
1 2 3 4 5      Name & Description
Assembly and/or Component
Attaching parts for Assembly and/or Component
    **** END ATTACHING PARTS ****
Detail Part of Assembly and/or Component
Attaching parts for Detail Part
    **** END ATTACHING PARTS ****
Parts of Detail Part
Attaching parts for Parts of Detail Part
    **** END ATTACHING PARTS ****
  
```

Attaching Parts always appear in the same indentation as the item it mounts, while the detail parts are indented to the right. Indented items are part of, and included with, the next higher indentation.

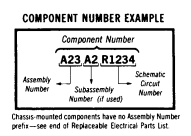
Attaching parts must be purchased separately, unless otherwise specified.

ABBREVIATIONS

INCH	ELECTR	ELECTRON	IN	INCH	SE	SINGLE END
# NUMBER SIZE	ELEC	ELECTRICAL	INCAND	INCANDESCENT	SECT	SECTION
ACTR ACTUATOR	ELECT	ELECTROLYTIC	INSUL	INSULATOR	SEMICON	SEMICONDUCTOR
ADPTR ADAPTER	ELEM	ELEMENT	INTL	INTERNAL	SHLD	SHIELD
ALIGN ALIGNMENT	EPL	ELECTRICAL PARTS LIST	LPHLDR	LAMPHOLDER	SHLDR	SHOULDERED
AL ALUMINUM	EQPT	EQUIPMENT	MACH	MACHINE	SKT	SOCKET
ASSEM ASSEMBLED	EXT	EXTERNAL	MECH	MECHANICAL	SL	SLIDE
ASSY ASSEMBLY	FIL	FILLISTER HEAD	MTG	MOUNTING	SLFLKG	SELF-LOCKING
ATTEN ATTENUATOR	FLEX	FLEXIBLE	NIP	NIPPLE	SLVG	SLEEVING
AWG AMERICAN WIRE GAGE	FLH	FLAT HEAD	NON WIRE	NOT WIRE WOUND	SPR	SPRING
BD BOARD	FLTR	FILTER	OBD	ORDER BY DESCRIPTION	SO	SQUARE
BRKT BRACKET	FR	FRAME or FRONT	OD	OUTSIDE DIAMETER	SST	STAINLESS STEEL
BRS BRASS	FSTNR	FASTENER	OVH	OVAL HEAD	STL	STEEL
BRZ BRONZE	FT	FOOT	PH BRZ	PHOSPHOR BRONZE	SW	SWITCH
BSHG BUSHING	FXD	FIXED	PL	PLAIN or PLATE	T	TUBE
CAB CABINET	GSKT	GASKET	PLSTC	PLASTIC	TERM	TERMINAL
CAP CAPACITOR	HDL	HANDLE	PN	PART NUMBER	THD	THREAD
CER CERAMIC	HEX	HEXAGON	PNH	PAN HEAD	THK	THICK
CHAS CHASSIS	HEX HD	HEXAGONAL HEAD	PWR	POWER	TNSN	TENSION
CKT CIRCUIT	HEX SOC	HEXAGONAL SOCKET	RCPT	RECEPTACLE	TPG	TAPPING
COMP COMPOSITION	HLCPS	HELICAL COMPRESSION	RES	RESISTOR	TRH	TRUSS HEAD
CONN CONNECTOR	HLEXT	HELICAL EXTENSION	RGD	RIGID	V	VOLTAGE
COV COVER	HV	HIGH VOLTAGE	RLF	RELIEF	VAR	VARIABLE
CPLC COUPLING	IC	INTEGRATED CIRCUIT	RTNR	RETAINER	W:	WITH
CRT CATHODE RAY TUBE	ID	INSIDE DIAMETER	SCH	SOCKET HEAD	WSHR	WASHER
DG DEGREE	IDENT	IDENTIFICATION	SCOPE	OSCILLOSCOPE	XFMR	TRANSFORMER
DWR DRAWER	IMPLR	IMPELLER	SCR	SCREW	XSTR	TRANSISTOR



SEE PARTS LIST FOR EARLIER VALUES AND SERIAL NUMBER RANGES OF PARTS OUTLINED OR DEPICTED IN GREY.



NOTE:
 * = PRINTED ELEMENT
 † = FACTORY ADJUST

496/496P

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1st CONVERTER

11 JAW Static Sensitive Devices See Maintenance Section

MANUAL CHANGE INFORMATION

At Tektronix, we continually strive to keep up with latest electronic developments by adding circuit and component improvements to our instruments as soon as they are developed and tested.

Sometimes, due to printing and shipping requirements, we can't get these changes immediately into printed manuals. Hence, your manual may contain new change information on following pages.

A single change may affect several sections. Since the change information sheets are carried in the manual until all changes are permanently entered, some duplication may occur. If no such change pages appear following this page, your manual is correct as printed.