

<i>11k Mod Kits &amp; Parts Replacement Kits</i>		
<b>P/N</b>	<b>Instrument</b>	<b>Description</b>
<a href="#">040-1286-00</a>	11802	Firmware enhancement (8.0)
<a href="#">040-1309-00</a>	DSA601, DSA602	Firmware enhancement (1.2)
<a href="#">040-1323-03</a>	CSA803, CSA803A	Firmware enhancement (>4.0)
<a href="#">040-1329-00</a>	11802	Firmware enhancement (9.0)
<a href="#">040-1340-02</a>	DSA601, DSA602	Firmware enhancement (2.2)
<a href="#">040-1425-00</a>	11801A, 11801B	Firmware enhancement (>4.0)
<a href="#">045-0142-02</a>	11A32	Reliability improvements (F/W 3.6)
<a href="#">045-0143-00</a>	11A34	Reliability improvements (F/W 3.6)
<a href="#">045-0144-02</a>	11A52	Reliability improvements
<a href="#">045-0150-00</a>	11401	Reliability improvements
<a href="#">045-0151-00</a>	11402	Reliability improvements
<a href="#">045-0152-00</a>	11401, 11402	U350 and U552 replacement
<a href="#">045-0156-00</a>	11A52	U700 replacement (F/W 3.8)
<a href="#">045-0157-00</a>	11A71	U800 replacement (F/W 3.6)
<a href="#">045-0159-01</a>	11301	U750 and U780 (Trigger microcircuits) replacement
<a href="#">045-0160-01</a>	11302	U750 and U780 (Trigger microcircuits) replacement
<a href="#">045-0187-00</a>	11301	Firmware replacement (3.1)
<a href="#">045-0188-00</a>	11302	Firmware replacement (3.1)
<a href="#">045-0189-00</a>	11301A	Firmware replacement (1.1)
<a href="#">046-0041-01</a>	11802	Enhancement (F/W 9.0)
<a href="#">050-2229-02</a>	11A32, 11A34	Attenuator replacement
<a href="#">050-2230-01</a>	11A33	Attenuator module replacement
<a href="#">050-2361-03</a>	11A71	U800 replacement (F/W 3.8)
<a href="#">050-2388-00</a>	11A33	U521 replacement (F/W 2.4)
<a href="#">1180FC_CSA8FC</a>	11801B, CSA803A	Conversion upgrade

<i>Mod Kits, Other</i>		
<b>P/N</b>	<b>Instrument</b>	<b>Description</b>
<a href="#">016-0825-01</a>	2400-series	Rackmount
<a href="#">033-0615-00</a>	7834	Increased Chop Rate
<a href="#">040-0245-00</a>	560 series	Blank Plug In
<a href="#">040-0413-00</a>	67, 2B67, 3B1, 3B3, 3B4	Sawtooth drive for 3L5 and 3L20
<a href="#">040-0541-00</a>	Common	Cam switch repair
<a href="#">040-0543-02</a>	576	Step generator switching transients reduction
<a href="#">040-0652-05</a>	TM500	Blank plug-in
<a href="#">040-0654-02</a>	7603 opt1	Adding of Readout
<a href="#">040-0754-04</a>	TM500	Blank Plug In, two units wide
<a href="#">040-0814-02</a>	465, B052300 - B251074	DM44 installation
<a href="#">040-0815-01</a>	465, B251075 - up	DM44 installation
<a href="#">040-0817-01</a>	475, 475A	DM44 installation
<a href="#">040-0821-03</a>	TM500/5000	Blank plug-in without circuit board
<a href="#">040-0826-00</a>	FG504, below B030720	General improvement
<a href="#">040-0873-01</a>	5440, 5441	User addressable readout
<a href="#">040-0944-00</a>	465B	DM44 installation
<a href="#">040-0957-03</a>	DC509	Conversion of DC509 to DC5009
<a href="#">040-0963-00</a>	5A18	Dual trace amplifier compatibility improvement
<a href="#">040-0964-00</a>	5A26	Dual trace amplifier compatibility improvement
<a href="#">040-0968-01</a>	465B	External DC operation
<a href="#">040-0970-00</a>	7603	Fan addition
<a href="#">040-0982-00</a>	TM5006	Rack mount
<a href="#">040-0999-02</a>	468	Add GPIB
<a href="#">040-1066-00</a>	7854	Reduce vertical drift of digitized waveform
<a href="#">040-1099-01</a>	2213, 2215	Improved Trigger
<a href="#">040-1194-00</a>	A6902B	Tangential noise reduction
<a href="#">040-1344-00</a>	2220, 2221, 2224, 2230, 2232	CRT noise reduction
<a href="#">040-1428-01</a>	1503B, 1503C	Component replacement

<a href="#">040-1571-01</a>	TDS400, TDS400A	Field upgrades
<a href="#">045-0034-00</a>	2213, 2215	Power supply improvement
<a href="#">045-0056-00</a>	7854	Firmware update and ROM reliability improvement
<a href="#">045-0118-00</a>	836	Firmware update
<a href="#">045-0119-00</a>	836	Firmware update
<a href="#">045-0127-01</a>	370	Firmware update
<a href="#">045-0204-02</a>	2245A, 2246A, 2246 mod A, 2246 1Y, 2246 2Y/9X, 2247A, 2252	Fan replacement
<a href="#">045-0207-00</a>	THS710, THS720	Backlight/Inverter Enhancement
<a href="#">045-0211-00</a>	P6204	Flexible circuit board replacement
<a href="#">045-0213-00</a>	TDS520, TDS540, TDS620, TDS640, TDS820	CRT retainer upgrade
<a href="#">046-0015-00</a>	1502B	Battery charging circuit update
<a href="#">046-0016-00</a>	2430	Firmware update
<a href="#">046-0031-00</a>	1503B	Battery charging circuit update
<a href="#">7603 Mod 36005</a>	7603	Prevent wide trace due to 1.2 GHz oscillation
<a href="#">DC503 M23275-1</a>	DC503	CH A 100 MHz Trigger improvement
<a href="#">067-0517-00</a>	111	Mod kit (pull two triggers per pulse)
<a href="#">22x0 F10/F12</a>	2220, 2230	Add GPIB or RS-232
<a href="#">071-0375-00</a>	Various TDS500-series & TDS700-series	Option upgrades instructions
<a href="#">TDS68U01, TDS7U01</a>	TDS684A, TDS744A, TDS784A	Firmware field upgrade
<a href="#">TDSXFHD</a>	TDS500C/D, TDS600C, TDS700C/D/L	Hard disk upgrade

***Parts Replacement Kits, Other***

<b>P/N</b>	<b>Instrument</b>	<b>Description</b>
<a href="#">050-0471-00</a>	576, below B090000	HV transformer replacement
<a href="#">050-0487-00</a>	576	Logic IC replacement
<a href="#">050-0550-00</a>	7403, R7403N, 7603/R	HV multiplier replacement
<a href="#">050-0650-00</a>	R7844, R7903, R7912, 7834, 7844, 7904, 7912AD	Vertical amplifier IC replacement
<a href="#">050-0651-01</a>	R7844, R7903, R7912, 7844, 7904	Vertical output IC replacement (155-0065-00)
<a href="#">050-0679-00</a>	7A13	Extension shaft replacement
<a href="#">050-0681-02</a>	7A19	Variable attenuator replacement
<a href="#">050-0706-01</a>	7844, R7844, R7903, 7904, R7912, early S/N's	Vertical output IC replacement (155-0065-00)
<a href="#">050-0729-06</a>	7904	A Trigger selector circuit board replacement
<a href="#">050-0730-06</a>	7904	B Trigger selector circuit board replacement
<a href="#">050-0762-11</a>	466	Storage CRT replacement
<a href="#">050-0763-03</a>	R7903, 7904, R7912	Vertical interface circuit board replacement
<a href="#">050-0764-11</a>	PG506	Main circuit board with cam switch replacement
<a href="#">050-0876-10</a>	7623A/R	CRT replacement
<a href="#">050-0912-11</a>	7633/R7633	CRT replacement
<a href="#">050-0920-02</a>	7D15	U758 and U762 replacement
<a href="#">050-0965-00</a>	S-2	D61 replacement
<a href="#">050-1014-00</a>	7834, R7903, 7904, 7912AD	Vertical output IC replacement (155-0064-00)
<a href="#">050-1019-00</a>	5L4N, below B071704	Mod, relocating power transistors etc.
<a href="#">050-1077-00</a>	TM500 and 5000 plug ins	New type of latch
<a href="#">050-1276-00</a>	DC501, DC502, DC503	To ensure Trigger Amplitude specs are met
<a href="#">050-1388-00</a>	S-2	Gate circuit board replacement
<a href="#">050-1413-01</a>	P6201	Q100 replacement
<a href="#">050-1425-02</a>	TG501	U290 or U315 replacement
<a href="#">050-1441-02</a>	5103N, 5110 /R, 5111 /R	Interface circuit board replacement
<a href="#">050-1449-01</a>	7313 /R, 7603 /R, 7613 /R	F1000 replacement
<a href="#">050-1474-00</a>	7603	P31 Phosphor CRT replacement
<a href="#">050-1517-00</a>	468	A2U565 & A2U575 replacement (Firmware Version2.0)
<a href="#">050-1527-00</a>	7854	Connector mounting plate replacement
<a href="#">050-1627-00</a>	465	S1150 (Time/cm switch) replacement
<a href="#">050-1706-01</a>	7S11	DC Offset potentiometer replacement
<a href="#">050-1723-01</a>	7704A, R7903, 7904	P31 CRT replacement
<a href="#">050-1746-00</a>	7704A	High voltage circuit board post spacer replacement
<a href="#">050-1779-00</a>	2445, 2465	U930 replacement
<a href="#">050-1782-00</a>	2445, 2465	High voltage multiplier (U1830) replacement
<a href="#">050-1841-00</a>	211, 212, 214	Battery replacement

<a href="#">050-1861-00</a>	7D20	MPU circuit board firmware replacement
<a href="#">050-1889-00</a>	2445, 2465	U800 replacement
<a href="#">050-2180-06</a>	2445A, 2455A, 2465A, 2467	Firmware update including bug fixes up to and including v08
<a href="#">050-2180-07</a>	2445A, 2455A, 2465A, 2467	Firmware update v09
<a href="#">050-2212-01</a>	2230	Cursor control (R9412) & extension shaft replacement
<a href="#">050-2239-03</a>	2220, 2221, 2230	Q935, Q946, Q947 or Q9070 replacement
<a href="#">050-2240-03</a>	2236, below B019720	Q935, Q946, Q947 or Q9070 replacement
<a href="#">050-2241-00</a>	2245, 2246	Q2201, Q2209, Q2210 or Q2206 replacement
<a href="#">050-2242-03</a>	2213, 2213 opt 48, 2213A, 2215, 2215 opt 48, 2215A, 2235, 2236	Q935, Q946, Q947 or Q9070 replacement Q933, Q935, Q940, Q942 in 2213 and 2215
<a href="#">050-2282-02</a>	2245, 2246	Vertical, Trig & Horizontal ICs replacement
<a href="#">050-2296-01</a>	2245, 2246	Trig & Horizontal ICs replacement
<a href="#">050-2345-00</a>	1502, 1503	Storage battery replacement
<a href="#">050-2390-00</a>	2432, 2432M	U320 or U420 replacement
<a href="#">050-2398-00</a>	2221	Storage board replacement
<a href="#">050-2525-03</a>	2430, 2430A	Main board replacement
<a href="#">050-2646-00</a>	2220, 2221, 2224, 2230, 2323	Fan replacement
<a href="#">050-2650-01</a>	222	Acquisition circuit board replacement
<a href="#">050-2678-00</a>	224x/A	AT117 or AT127 replacement
<a href="#">050-2726-00</a>	P6204	Flexible circuit board replacement
<a href="#">050-2927-00</a>	DSA601, DSA601A, DSA602, DSA602A	Right and left frame section replacement
<a href="#">050-3109-02</a>	A6302	Current transformer replacement (to newer type)
<a href="#">050-3138-02</a>	CTS-series	Floppy disk drive replacement
<a href="#">050-3144-02</a>	TDS500, TDS600, TDS700, TLS-series	Floppy disk drive replacement
<a href="#">050-3304-01</a>	TDS300-series, TDS400-series	Floppy disk drive replacement

#### Custom Mods

<b>Instrument</b>	<b>Manual Insert for</b>	<b>Mod description</b>
DC510, DC5010	<a href="#">Mod WF</a>	Different overflow logic
DC502	<a href="#">Mod 128S</a>	High sensitivity
PS503A	<a href="#">Mod FF</a>	Adjustable +5V
2245A, 2246A, 2247A	<a href="#">option 15</a>	CH2 and A gate OUT
5100-series	<a href="#">Mod 768X</a>	Six output signal amplifiers
5L4N	<a href="#">Mod GA</a>	Increased integrating time constant
7L5	<a href="#">Mod FB</a>	Use with DPO's
7904	<a href="#">Mod 721K</a>	Single shot readout and/or grat illumination
7B71	<a href="#">Mod 515C (Schematics only)</a>	Extensive mods for use in DPO

#### Data Sheets

<b>Item</b>	<b>Description</b>
<a href="#">011-0073-00</a>	Input Standardizer, 15 pF BNC
<a href="#">011-0081-00</a>	Unwired Coupler, BNC (blank box same as Input RC Normalizers)
<a href="#">011-0129-00</a>	50 ohm coaxial termination
<a href="#">013-xxxx-xx</a>	Various Curve Tracer Test adapters
<a href="#">013-0146-00</a>	Terminal access adapter kit for AM501
<a href="#">015-0408-00</a>	P-P Detector Amplifier (Specs and Operating Instructions)
<a href="#">015-1054-00</a>	Microvawe Comb Generator
<a href="#">017-0086-00</a>	Pocket Pulse Generator
<a href="#">067-0529-00</a>	1000:1 divider
<a href="#">067-0554-00</a>	Cal fixture, T/D pulser
<a href="#">067-0608-00</a>	Cal fixture, Overdrive Recovery
<a href="#">067-0616-00</a>	7k Flexible Extender
<a href="#">067-0625-00</a>	Cal fixture, Peak-to-Peak detector
<a href="#">067-0625-00 cal data</a>	Example of factory calibration data for 067-0525-00

<a href="#">067-0681-01</a>	Cal fixture, T/D pulser
<a href="#">067-0700-00</a>	Cal fixture, 7D12 (schematic and parts list only)
<a href="#">067-0865-00</a>	Cal fixture for P6303 (A6303)
<a href="#">067-0875-00</a>	50 ohm bridge
<a href="#">067-0885-00</a>	Cal fixture, spectrum analyzer
<a href="#">067-1112-00</a>	Cal Fixture 7A42
<a href="#">067-1129-00</a>	Precision input normalizer
<a href="#">067-1264-00</a>	11k Power supply extended diagnostic unit
<a href="#">067-1320-00</a>	Low pass filter cal fixture for 11300-series scopes
<a href="#">067-1341-00</a>	Cal fixture, 11A33
<a href="#">103-0209-00</a>	GPIB adapter for P6451
<a href="#">155-0067-02</a>	DC-to-DC controller IC
<a href="#">155-0078-00</a>	Amplifier IC
<a href="#">131-xxxx-00</a>	ECB to probe tip connectors
<a href="#">P6401</a>	Logic Probe

#### *Other Hard-to-Find Documents*

<b>Document for</b>	<b>Instrument</b>	<b>Description</b>
<a href="#">Delay Time Multiplier Settings</a>	Portables, 7k and some 500 scopes	A Tek document showing the correct mechanical zero setting of DTM., revised
<a href="#">AM503A</a>	AM503A	Full Schematics
<a href="#">TDS544A</a>	TDS540, TDS540A & TDS544A	Full TDS544A schematics of A10 Acquisition board
<a href="#">TDS544A</a>	TDS544A	Full TDS544A schematics of A11 CPU board
<a href="#">TDS544A</a>	TDS520, TDS540, TDS540A & TDS544A	Full TDS544A schematics of A17 - A19 Power Supply boards
<a href="#">TDS544A</a>	TDS544A	Full TDS544A schematics of A30 - A32 Display/CRT Assy boards
<a href="#">TDS644A</a>	TDS640, TDS640A, TDS644A	Full TDS644A schematics of A10 Acquisition board
<a href="#">TDS644A</a>	TDS644A	Full TDS644A schematics of A11 CPU board (same as TDS544A)
<a href="#">TDS644A</a>	TDS620, TDS640, TDS640A & TDS644A	Full TDS644A schematics of A17 - A19 Power Supply boards (same as TDS544A)
<a href="#">TDS644A</a>	TDS644A	Full TDS644A schematics of A30 - A32 Display/CRT Assy boards (same as TDS544A)
TDS520	TDS520, TDS540, TDS620, TDS640	Full TDS520/540 schematics of A20 Display/CRT Assy board. TDS520 Service manual vol 2 with schematics. It covers the same display as the TDS540. I don't have this to share but it can be ordered from <a href="#">Artek Manuals</a>
<a href="#">067-0587-10</a>	7k Digiters and DSO, 11k DSO	Manual Supplement to 067-0587-02
<a href="#">155-0078-xx</a>	Common	DC and HF characteristics for 155-0078-00 through 155-0078-13
<a href="#">2200 series filament mod</a>	2213, 2215	Instruction sheets for SUP 3010
<a href="#">1502 battery charging info</a>	1502	Telex from factory
<a href="#">7k P/S currents</a>	7704A, 7904, 76xx	WW article on min and max currents of three different 7000-series power supplies
<a href="#">7854 F/W</a>	7854	Info about 7854 firmware update
<a href="#">7T11 7854 mod</a>	7T11	Instruction to modify a 7T11 for use in 7854
<a href="#">178</a>	178	Setup instructions
<a href="#">120-0464-02 (doc # 062-6509-01)</a>	A6302	Instructions how to replace the current transformer + schematics
<a href="#">Power specs of 560 series</a>	560 Series	A Tek document showing the power requirements of plug ins and available power of main frames.
<a href="#">2430 F/W</a>	2430	List of v2.1 firmware bugfixes and changes
<a href="#">Tektronix knobs</a>	Common	The knobs section of the Mechanical Common Design Catalog
<a href="#">Tektronix Tunnel diode Data</a>	Common	Excel worksheet of Tek Tunnel diodes copied from 1990 Common Design Catalog
<a href="#">Tektronix Fuse Data</a>	Common	Excel worksheet of Tek Fuses copied from 1990 Common Design Catalog
<a href="#">Tektronix Semiconductors</a>	Common	An Excel workbook with search macro and a pdf-file of Tek Semiconductors (Transistors, Diodes & ICs) scanned from 1990 Common Design Catalog, both

		are searcheable. They are only a cross references between Tek P/N and Manufactures P/N i.e. no component data.
<a href="#">xCT1N C30 &amp; C32</a>	5CT1N, 7CT1N	FAX to and from Factory

All pdf-documents are created with Adobe Acrobat 9 and yes they are password protected for changes. Ever since I found my scan of "Troubleshooting Your Oscilloscope" for sale on eBay I decided to do it this way. I know security can be removed but I figured that if someone wants to steal my work and take credit for it or for any other reason change it at least it would take some work to do it and hopefully a long and obscure password would complicate it. There has been some discussions and critics about it since some pdf-readers don't seem to support this format. Acrobat 9 is pretty old by now and newer versions are available for free for different platforms so I really don't see the problem.

I have loads of other kit instructions, data sheets or documents so if you have a request for a particular document [Email me](#) (hahi at telia dot com). If I have it and can scan it I'll upload it to here and email back to let you know. It may take a day or two, though.

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