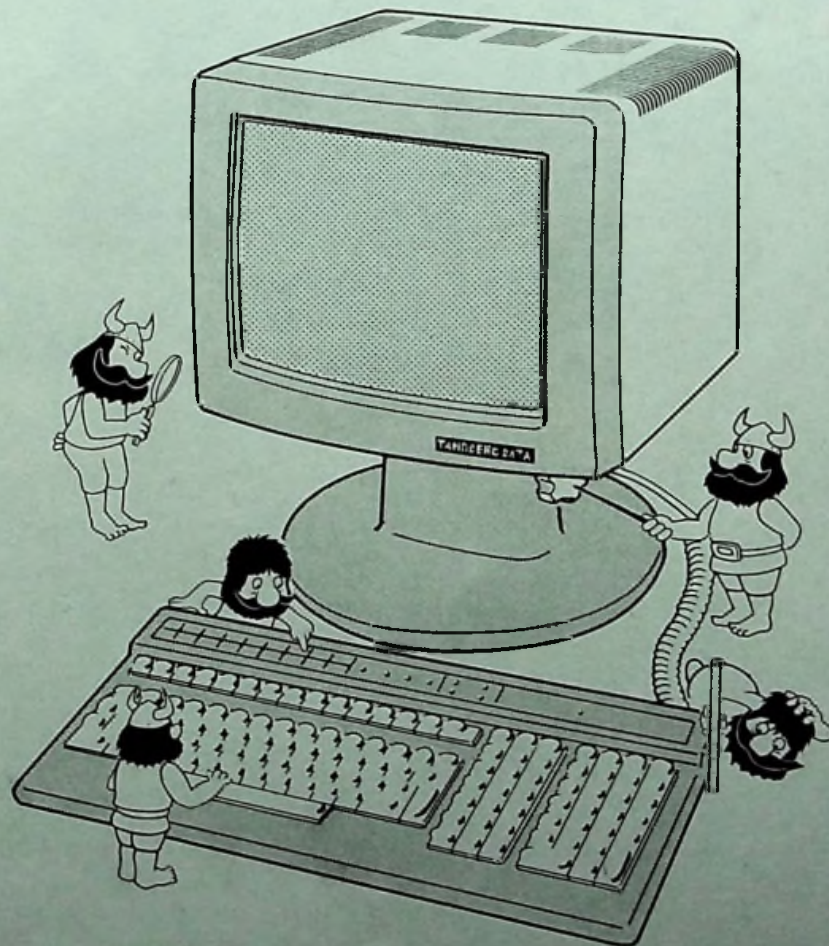


- * NEW DISPLAY TERMINAL - TDV 2200
- * THE TDC FAMILY IS EXPANDING
- * BRIEF INPUTS FROM MARKETING
- * A HAPPY DIVORCE
- * A NEW FACE AT THE CUSTOMER SERVICE DEPT.



newsletter

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Newsletter deadlines

We strongly encourage our readers to make use of the NEWSLETTER to spread information which might be of interest to others.

Please notice however, that the next deadline is:

October 1st

display terminal

presented at the Hannover Fair
conference in May

response indicates that
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The TDV 2200 is microproc
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Service and spare

During the Company's su
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orders will be executed

New display terminal - TDV 2200

Tandberg Data A/S presented their new terminal series, TDV 2200 at the Hannover Fair in April 1980 and at the National Computer Conference in May 1980.

The response indicates that this new terminal will set a trend for what will emerge as the terminal workplace for the 1980's.

By utilizing the latest technology, Tandberg Data has succeeded in implementing all current and expected future requirements regarding design philosophy of human engineering. The prime goal has been to design a video display terminal workplace, which to an unprecedented degree can be adapted to the requirements of each user and the needs of the operator for a properly adapted workplace.

The unique features as seen by a user without detailed technical background, are the outstanding readability of the characters on the screen and the mechanical design of the terminal with its low profiled keyboard, which permits physical adaption to the work position of each individual operator.

The TDV 2200 is microprocessor-based and is technologically among the best on the market today. Adaptability to the system and flexibility for the user are two key factors that truly justify the expression "smart terminal".

Service and spare parts during the summer vacation

During the Company's summer vacation (July 14th - August 4th), our Customer Service Department will be operating with reduced staff.

Our Spare Parts Stock will be closed for the same period. Emergency orders will be executed by the Customer Service Department.

The TDC family is expanding

A new high capacity Data Cartridge Recorder introduced at NCC.

Tandberg Data introduced a brand new Data Cartridge Recorder at the National Computer Conference this year.

TDC 3200, The Backer, is a family of four 1/4" tape cartridge drives featuring high data storage capacity.

The new product family covers a wide range of applications with different versions for both block mode and streamer mode operation.

The whole computer world has for the last years been orientated towards the new fixed disks and are now looking for back-up devices for these products. In streamer mode the new drives, storing from 18 to 40 Mbytes of formatted data, are very efficient devices for this purpose.

In the more traditional block mode, the TDC 3200 can store up to 23 Mbytes of formatted data. This capacity-increase means a remarkable progress and makes the product more attractive for storing large data volumes. Typical applications are software distribution, peripheral storage for minicomputers, local data collection and data input/output.

We remain flexible towards the customer by offering the drives with and without formatter. A Read Clock board, an Encode/Decode formatter or a Buffered Extended formatter, will support the system designer interfacing the drive to the host computer.

One of the goals has been to provide high transfer rate. With up to 0,5 Mbytes/sec. the formatter will communicate with the host computer in an efficient manner.

The features and a number of technology developments, like a single track self adjusting moving head, are going to make The Backer-family to an attractive device for the future.

A preliminary brochure is prepared and will be sent you as soon as possible.

TDC 3026 - The new Serial Communication Controller (V24/RS232) with 2 K buffer.

The development of the new 2 K buffer interface for TDC 3000 is nearly finished. The first deliveries will take place approx. week 39 - 80.

The new device will from the beginning be available in a standard 2 K version only. However, a Data Log version will be ready later on, but the time schedule is not yet appointed.

We intend to terminate the production of the present TDC 3025 with 1 K buffer when we introduce the new one.

Leif Hole

Brief inputs from Marketing

Tandberg Data GmbH

In April Tandberg Data founded their first daughter company together with Siemens AG and GVD. This company will sell Tandberg products mainly on the OEM market in Germany.

Tandberg Data GmbH is situated in Dortmund Western Germany, and from this central location we are confident that we in the long run have strengthened our market position in Central Europe.

The daily leader of Tandberg Data GmbH will be Mr. Hans Augst, who has long experience in the computer business, lately as the head of the Basic Informative System Division in the local Siemens organisation in Mannheim.

TDV 2114 in Italy.

In the middle of May the first "Italian TDV 2114" was produced by Italdata, owned by Siemens and the Italian Government, situated in Avelino in southern Italy.

This is the visible sign of an extremely good cooperation between Tandberg Data and Italdata based upon the licence-agreement signed between Tandberg Data and Siemens for production and sale of TDV 2114 on the Italian market.

Hannover Fair.

At the Hannover Fair in April this year we introduced our new TDV 2200 series. The response was overwhelming and deliveries are scheduled to start in November this year.

Our experience at the stand shared with other Norwegian data firms under the common banner of the Norwegian Export Council, was also this time very good.

L. M. Ericsson.

The signing of a new frame contract between our representatives in Sweden; Siemens Data AB and L. M. Ericsson, once again proves the great confidence they have in Tandberg Data and its products.

The contract is valid from 01.03.80 - 31.12.80, and we are guaranteed a minimum LME-purchase of 350 of the TDC 3000.

New publications from DIG

The following list shows new or revised publications that have been printed since the previous issue of Newsletter.

They can all be obtained from our Ordering Department.

PUBL. NO.	REV. NO.	TITLE	PART NUMBER	CODE
N5008	3	TDS 8031 OPERATOR'S GUIDE (IBM 3270 EMUL.)	--	*
P5070	2	TDV 2100 CPU	374957	*
P5120	1	TDV 2100 TD RAM	387420	*
N5124	1	TDV 2100 TOS21 VER.1.8, SYSTEM DESCRIPTION	--	*
N5144	0	TDV 2100 TOS21 VER.2.0, SYSTEM DESCRIPTION	--	*
P5077	1	TDV 2114 LOC. & INTERCONN. MOTHER BD. Mk II	374792	*
P5087	1	TDV 2114 SYSTEM DESCRIPTION	373111	*
P5064	1	TDV 2115/16 LOCATION AND INTERCONNECTION	371085	*
P5114	1	TDV 2115C USER'S GUIDE	375827	*
P5141	0	TDV 2124 CDC HARDWARE MANUAL DISK. DRIVE DOUBLE DENS.		*
P5113	2	TDV 2124 DOUBLE DENSITY Mk I, SERV. MAN.	--	*
N5142	0	TDV 2124 XMON/F USER'S GUIDE (PRELIM.)	--	*
P5143	0	TDV 2124 XMON/F WARNING	--	*



Intel RAM documentation

A description of the Intel RAM board for the TDV 2100 terminal series will be available from our Customers Service Department in July this year.

It has part number 386674, publication number 5153.

New releases

Release of Tandberg Commercial Basic Ver. 1.5 and 2.0

General: Commercial Basic Ver. 1.5 is made for the TDV 2114 with TOS 1.7 or 1.8.

Commercial Basic Ver. 2.0 is made for the TDV 2124 with TOS 2.

Litterature: A new updated version of the User's manual is available. It has part no. 375538, publ. no. 5090, revision no. 1.

A Commercial Basic Reference Card is available. It has part no. 377219, publ. no. 5991, revision no. 1.

Changes: ENTER <hex address> is changed to ENTER <entrypoint name>.

NEW <hex address> is changed to NEW <maximum number of active files>.

News: A new command PUT <TOS filename> is implemented. When the PUT command is used, the BASIC program will be stored with the 'B' attribute set which causes the program to be loaded faster when the GET command is used. The LIST command can not be used on a program with the 'B' attribute set. This is an advantage, because you can have Commercial Basic programs for sale without giving away the sources.

The FETC and PURGE commands are now implemented.

Gerd M. Wold

ECN status list

TDC 3000: 3001 - 30037

TDV 2100: 2001 - 2184

TDM 1000: 1 - 15, 1001 - 1002

A happy divorce

The TDV 2115/16 Service & Operating Manual.

The service documentation for the TDV 2115/16 consisted previously of one book describing all the different versions.

From now on it will consist of two books; one for the TDV 2115 C/2115 CV, and one for the TDV 2115 L/2116 L versions.

This will make the service documentation more adapted to the structure of the different versions. The main difference between the different versions is that the TDV 2115 C/2115 CV uses a Display Controller board, while the TDV 2115 L/2116 L makes use of Display Logic boards. (The TDV 2116 L may also contain CPU, RAM or PROM boards.)

Hopefully, this change will also make the service documentation easier to handle. As you may know, the TDV 2115/16 Service & Operating Manual had grown into a fully packed book, with a tendency to burst open. With two books instead of one, this problem should be solved. (A happy divorce).

PLEASE NOTICE THE NEW ORDERING NUMBERS:

TDV 2115 C/2115 CV Service & Operating Manual	-	Ordering no. 961199
TDV 2115 L/2116 L Service & Operating Manual	-	Ordering no. 961198

Available from our Ordering Department in August this year.

Hardware training courses

We intend to arrange courses on the following subjects during August and September 1980:

TDC 3000: Complete hardware service training.

TDV 2115: Complete hardware service training.

TDV 2114 (15/16): Complete hardware service training.

A detailed program specifying date and time will be sent to you

A new face at the Customer Service Department

JOHS. AANDSTAD

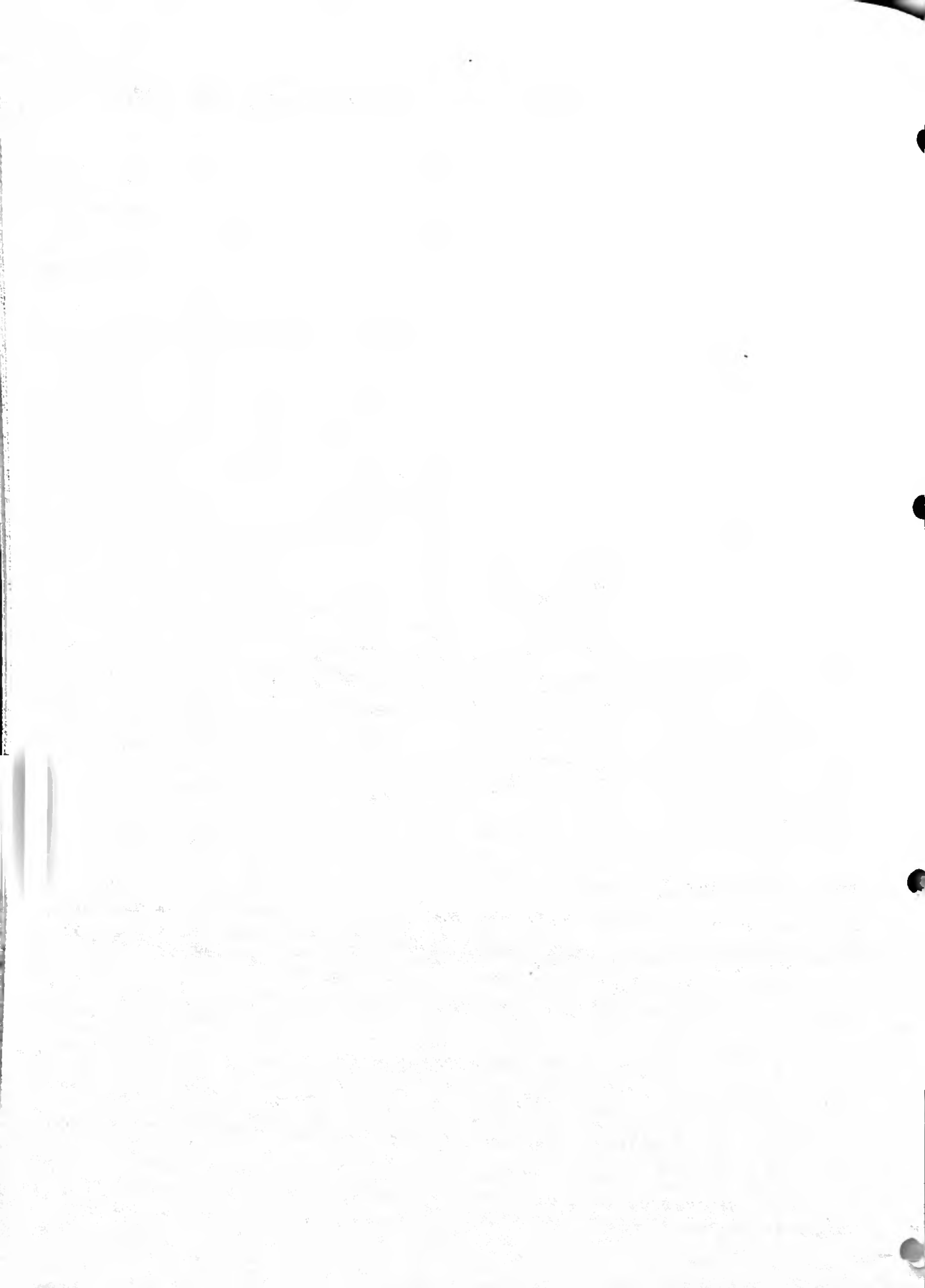


- Training consultant, 37 years old and educated through the Norwegian Air Defense.
- Previous working experience from the Norwegian Air Defense and Lehmkuhl Elektronikk.
- Joined Tandberg Data May 5th 1980 and will mainly be planning, coordinating and conducting training courses.



Better Training Courses

Johs. Aandstad, our new training consultant, likes to receive letters. Especially if they help him to create better training courses for you. Write (or call) him about your training requirements, type of equipment, number of participants - he'll love it!



Have you checked your stock of documentation lately?

THE FOLLOWING CODES ARE USED:

* = available through our
ordering department
1 = in preparation
2 = being printed first time
3 = being reprinted

K = only delivered as part of a kit
N = non-restricted
P = product related; only available with
purchase of associated hardware

PUBL. NO.	REV. NO.	TITLE	PART NUMBER	CODE
K5131	0	SHIEL.PL.CABL.POL.KEYS,MOUNT.INSTR	--	*
N5041	1	SOFTWARE ERROR REPORT, FORM	374051	3
P1566	0	TDC 3000 960055 FORMATTER	--	*
K5128	0	TDC 3000 EMC MOD. KIT, MOUNTING INSTR.	386084	*
P1455	0	TDC 3000 OPERATING INSTRUCTIONS	359534	*
P1552	1	TDC 3000 PARALLEL I/O CONTROLLER (960056)	--	*
N5083	1	TDC 3000 PRODUCT SPECIFICATIONS	--	*
K5119	1	TDC 3000 REAR COVER KIT, MOUNTING INSTR.	--	*
N5098	1	TDC 3000 REFERENCE MANUAL	--	*
P1381	0	TDC 3000 SERVICE & OPERATING MANUAL	--	*1
P5093	1	TDC 3000 USED WITH FLUKE 2240A DATA LOGGER	960980	*
P5027	0	TDC 3000/3011 DEMO CARTRIDGE, USER'S MANUAL	--	*
N5084	1	TDC 3005 PRODUCT SPECIFICATIONS	--	*
P5065	0	TDC 3005 SUPP.TO TDC 3000 SERV.OP.MAN.(1381)	--	*
P5039	1	TDC 3010 USER & SERVICE MANUAL (ALPHA-LSI)	359699	*
N5031	0	TDC 3011 BCS DRIVER VER.3 (HP), DESCRIPTION	--	*
P5019	0	TDC 3011 BIN.LOADER/DUMP (HP21MX), SPECS.	--	*
P5020	0	TDC 3011 BIN.LOADER/DUMP HP2100, SPECS.	--	*
P5023	0	TDC 3011 DISK DUMP/RESTORE PROGR.(HP), DESCR.	--	*
N5076	0	TDC 3011 DOS OPERATING SYSTEM (HP) USER MAN.	--	*
P5018	0	TDC 3011 OPER/HP-RTE FAM. OF OPSYS,USER MAN.	--	*
P5024	0	TDC 3011 SIO DRIVER (HP), USER'S MANUAL	--	*
P5017	1	TDC 3011 TEST/MAINT(2100/21MX)USER MAN.+ECN	366968	*
P5040	1	TDC 3011 USER & SERVICE MAN. (HP2100/21MX)	374719	*
P5048	1	TDC 3013 DISKDUMP/REST.PROG.(PDP-11),USERMAN	--	*
P5025	0	TDC 3013 RT-11 DRIVER (PDP-11), USER'S MANUAL	--	*
N5049	1	TDC 3013 SPECIFICATIONS (PDP-11)	--	*
P5047	0	TDC 3013 TEST/MAINT.PROG.(PDP-11), USER MAN.	367198	*
P5028	1	TDC 3013 USER & SERVICE MANUAL (PDP-11)	360971A	*
P5044	1	TDC 3025 COMMUN.INTERF.V.24 VER.C, SERV. MAN.	--	*
N5060	0	TDC 3025 COMMUNICATION INTERFACE V.24,SPECS.	377012	*
P5125	1	TDC 3025 USER'S MANUAL, VER. 2K BUFFER (IDT)	389683	*
N5156	0	TDC 3026 COMM. INTERFACE USER'S MANUAL	386832	1
N5085	0	TDC 3050 FORMATTER WITH PARALLEL I/O CONTR.	--	*
P5042	0	TDC 3100 SERVICE MANUAL	--	*
P5037	4	TDF 4050 REFERENCE MANUAL	--	*
K5012	0	TDF 4050 SELF TEST (960768), OPERAT. INSTR.	--	*
P5050	0	TDF 4050 SERVICE AND OPERATING MANUAL	--	*
N5062	3	TDS 8021/24 HASP/JES2, USER'S GUIDE	--	*3
N5008	3	TDS 8031 OPERATOR'S GUIDE (IBM 3270 EMUL.)	--	*
P5009	1	TDS 8031 TECHNICAL OVERVIEW (IBM 3270 EMUL.)	--	*
N1513	0	TDV 2100 BINDER, yellow	364850	*
N5003	0	TDV 2100 BUFFERED EDIOTR, SPECIFICATIONS	--	*
N5052	0	TDV 2100 CABLE FASTENING KIT, DESCRIPTION	371228	*1
N5089	0	TDV 2100 CLUSTER INTERFACE HANDLER	--	*
N5106	0	TDV 2100 COBOL VER.2.2 RELEASE DESCRIPTION	--	*
P5070	2	TDV 2100 CPU	374957	*
P5067	2	TDV 2100 DEFECTION & VIDEO Mk II	370733	*

PUBL. NO.	REV. NO.	TITLE	PART NUMBER	CODE
P5068	0	TDV 2100 KEYBOARD	372914	*1
P5121	0	TDV 2100 POWER SUPPLY Mk III	389101	*
P5002	1	TDV 2100 PROM	375518	*
N5104	0	TDV 2100 RANDOM FILE MANAGER, USER'S GUIDE	---	*
N5101	0	TDV 2100 RELOCATABLE ASSEMBLER & LINKER + APP.	---	*
P5122	0	TDV 2100 SHUGART DISK.DRIVE, MAINT. MANUAL	386989	*
N5045	0	TDV 2100 SYNCHRONOUS COMMUNICATION DRIVER	---	*
N5053	0	TDV 2100 TCGS - TD CHARACTER GENER. SYSTEM	---	*
P5120	1	TDV 2100 TD RAM	387420	*
P5082	0	TDV 2100 TECHNICAL UPDATING	370374	*
N5061	0	TDV 2100 TEXT HANDLER, SPECIFICATIONS	---	*
N5001	0	TDV 2100 TOS21 VER.1.5, USER'S GUIDE	---	*
N5109	0	TDV 2100 TOS21 VER.1.6, REFERENCE CARD	---	*
N5105	1	TDV 2100 TOS21 VER.1.6, SYSTEM DESCR. + APP.	---	*
N5124	1	TDV 2100 TOS21 VER.1.8, SYSTEM DESCRIPTION	---	*
N5144	0	TDV 2100 TOS21 VER.2.0, SYSTEM DESCRIPTION	---	*
N5145	0	TDV 2100 TOS21 VER.2.0, USER'S GUIDE (PRELIM.)	---	*
N5157	0	TDV 2100 VIP USER'S GUIDE TDV EMULATORS	---	1
N5016	0	TDV 2100 XMON/P FORM HANDLER, SPECS.	---	*
N5014	0	TDV 2100 XMON/S & XMON/SD REV.LEV. 1, SPECS.	---	*
N5013	0	TDV 2100 XMON/SV REV. LEVEL 1, SPECS.	---	*
N5099	0	TDV 2114 CABLE DESCRIPTION	---	*
P1549	1	TDV 2114 CARTRIDGE CONTROLLER + UPDATING	366006	*
P5079	0	TDV 2114 CLUSTER INTERFACE	372759	*
N5095	0	TDV 2114 COBOL LANGUAGE MANUAL	---	*
N5096	0	TDV 2114 COBOL REFERENCE CARD	---	*
N5058	0	TDV 2114 COBOL(960811.000),RELEASE DESCR.(App.to 5095)	---	*
N5091	0	TDV 2114 COMMERCIAL BASIC, REFERENCE CARD	---	*
N5090	0	TDV 2114 COMMERCIAL BASIC, USER'S MANUAL	---	*1
P1426	0	TDV 2114 DISKETTE CONTROLLER + UPDATING	362845	*
P5069	1	TDV 2114 DISPLAY LOGIC	374095	*
K5132	0	TDV 2114 EMC MOD.KIT EXT.DISKDR.MOUNT.INSTR	387765	*
K5133	0	TDV 2114 EMC MODIFICATION KIT,MOUNT. INSTR.	386156	*
N5026	1	TDV 2114 FORM HANDLER VER. 1.2 (see 5016)	---	*
P5057	0	TDV 2114 HORIZONTAL MOUNTING OF DISK. DRIVE	---	*
P5116	0	TDV 2114 ILLUSTRATED PARTS LIST	385423	*
P5036	0	TDV 2114 INITIAL SETTING UP	367738	*
P5035	2	TDV 2114 INSTALLATION	366330	*
P5123	0	TDV 2114 LCG BOARD (1 diagram)	389173	*
P5159	0	TDV 2114 LCG Mk II	388355	1
P5077	1	TDV 2114 LOC. & INTERCONN. MOTHER BD. Mk II	374792	*
N5033	0	TDV 2114 OPERATING INSTRUCTIONS (PRELIM.)	368399	*
N5108	0	TDV 2114 PROGRAMMER'S REFERENCE GUIDE	---	*
P4997	0	TDV 2114 SERV. & OPER. MANUAL (3 VOLUMES)	960705	*
P5126	0	TDV 2114 SHIELDED FLAT CABLE,MOUNTING INSTR.	389798	*
N5015	0	TDV 2114 SORT, USER'S DOCUMENTATION	---	*
P5080	1	TDV 2114 SYNCHRONOUS INTERFACE	373190	*
P5087	1	TDV 2114 SYSTEM DESCRIPTION	373111	*
P5056	1	TDV 2114 TEST PROGRAMS (960680), DESCRIPTION	---	*
P5092	0	TDV 2115 ADAPT.CABLE TDV 2000 COMP.TDV 2115	---	*
P5055	0	TDV 2115 DISPLAY CONTROLLER	371372	*
N5100	0	TDV 2115/16 CABLE DESCRIPTION	---	*
P5064	1	TDV 2115/16 LOCATION AND INTERCONNECTION	371085	*
P5114	0	TDV 2115C USER'S GUIDE	375827	*
P5148	0	TDV 2115C/2115CV SERVICE & OPER. MANUAL	961199	1
P5118	0	TDV 2115L USER'S GUIDE	388577	*
P5149	0	TDV 2115L/2116L SERVICE & OPER. MANUAL	961198	1
N5140	0	TDV 2116L USER'S GUIDE	389849	1
P5141	0	TDV 2124 CDC HARDWARE MANUAL DISK. DRIVE DOUBLE DENS.	---	*
P5097	4	TDV 2124 DOUBLE DENSITY Mk I, REFERENCE MAN.	---	*
P5113	2	TDV 2124 DOUBLE DENSITY Mk I, SERV. MAN.	---	*
N5142	0	TDV 2124 XMON/F USER'S GUIDE (PRELIM.)	---	*
P5143	0	TDV 2124 XMON/F WARNING	---	*

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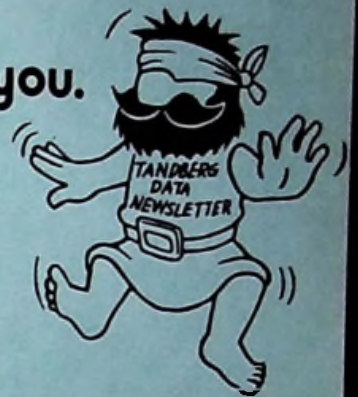
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