

“DATASPEED[®]” MAGNETIC TAPE TERMINAL
FOR “DATAPHONE[®]” SERVICE
STATION ARRANGEMENT IDENTIFICATION

1. GENERAL

1.01 This section provides the coding information and reference sections for the Dataspeed Magnetic Tape Terminals for Dataphone service (see figure). It is reissued to add coding information on the Auto Rewind for Local Print-Out circuit card and to permit standard distribution. Added information is indicated by marginal arrows. Issues 1 and 2 of this section were limited printing and did not receive standard distribution.

1.02 The Dataspeed Magnetic Tape Terminal, operating on half-duplex facilities, has the capability of sending and receiving data at speeds of 100 to 2400 words per minute, depending on the station arrangement. The data medium is half-inch wide computer grade magnetic tape having eight data levels. The tape, in 100 foot rolls, is contained in a cartridge. Each cartridge of tape has the capacity of storing 150,000 characters.

2. STATION ARRANGEMENT

2.01 A station is composed of a group of components selected to provide the desired type of operation. The components required for various stations are listed in Table A. Primary listing is by USOC (Uniform Service Order Code). Each listing designates the nature of the operation and the components required to provide the service.

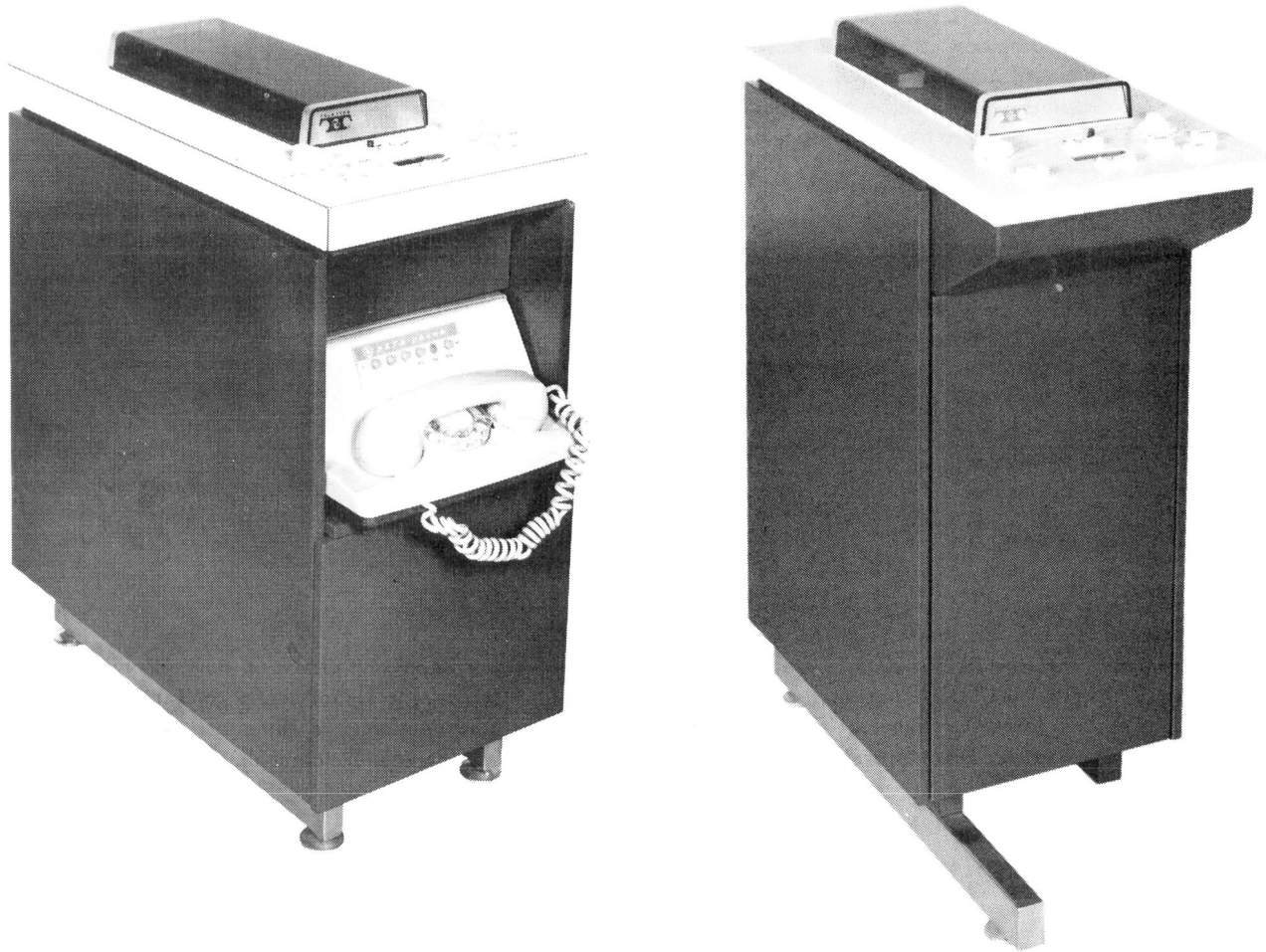
Supplementary equipment such as data sets, and optional equipment used in some applications, are listed at the end of the table.

2.02 In a tape set designed for stand-alone operation, or as an adjunct to a 33, 35, or 37 teletypewriter, high speed on-line operation at 1200 or 1050 baud is made possible through a 200 series data set. If the tape set is an adjunct to a 33, 35, or 37 teletypewriter, local operation at the baud rate of the teletypewriter (110 baud for 33 or 35; 150 baud for 37) is provided by the interface between the tape set and the teletypewriter. The tape set can also be operated on the low speed line if the teletypewriter is equipped for low speed on-line operation.

2.03 A tape set designed as an adjunct to a CDT or other parallel interface terminal does not have direct on-line capability. Data is exchanged between the tape set and related terminal at speeds up to 1200 baud. If the adjunct terminal is equipped for on-line operation, the data can be received from or transmitted to the high speed line by the adjunct terminal.

3. REFERENCES

3.01 For detailed information on the components that comprise a station, refer to Table B. This table identifies the sectionalized literature pertaining to the magnetic tape set, adjunct terminals, and associated data sets.



Stand-Alone or 33/35/37 Adjunct Magnetic Tape Terminal With 202C Data Set for On-Line Operation (Left) and Adjunct to CDT or Other Parallel Interface Device (Right)

TABLE A
COMPONENTS

DESCRIPTION	CODE	QTY
<p><u>Stand-Alone Operation – Magnetic tape terminal operates on-line at 1200 or 1050 baud through 200 series data set. See supplementary listing at end of table for data set and other optional arrangements.</u></p>		
<p><u>1200 Baud Operation – 33/35 Cabinet Styling</u></p>	MTTAA	
Cabinet (DMAC800/AA/MR)		1
Control Panel Assembly (TP337428HJ)		1
Transport W/Cartridge (DMT800)		1
Basic Electronics Module W/Cables (DME800)		1
Variable Circuit Cards (one each)		
Receive-Transmit Distributor (TP322471)		1
Data Set Interface (TP322473)		1
Stand-Alone Strapping (TP322479)		1
Crystal, 1200 Baud (TP335504)		1
Cable Assembly, Data Set Interface (TP337380)		1
Bracket (KS19266 L65)		1
Envelope (P423959)		1
<p><u>1200 Baud Operation – 37 Cabinet Styling</u></p>	MTTAC	
Same as listed for MTTAA except:		
Omit:		
Cabinet (DMAC800/AA/MR)		1
Add:		
Cabinet (DMAC800/AA/MK)		1
<p><u>1050 Baud Operation – 33/35 Cabinet Styling</u></p>	MTTBA	
Same as listed for MTTAA except:		
Omit:		
Crystal, 1200 Baud (TP335504)		1
Add:		
Crystal, 1050 Baud (TP335503)		1
<p><u>1050 Baud Operation – 37 Cabinet Styling</u></p>	MTTBC	
Same as listed for MTTAC except:		
Omit:		
Crystal, 1200 Baud (TP335504)		1
Add:		
Crystal, 1050 Baud (TP335503)		1

TABLE A
COMPONENTS (Continued)

DESCRIPTION	CODE	QTY
<p><u>1050 Baud Operation</u></p> <p>Same as listed for MTTAE except:</p> <p>Omit: Teletypewriter Interface (TP322480) 1 Crystal, 1200 Baud (TP335504) 1 Cable Assembly, Teletypewriter Interface (TP337376) 1</p> <p>Add: Teletypewriter Interface (TP322474) 1 Crystal, 1050 Baud (TP335503) 1 Cable Assembly, Teletypewriter Interface (TP337368) 1</p>	MTTBK	
<p><u>Adjunct to a 37 KSR Teletypewriter for ASR Operation</u> – Magnetic tape terminal operates on-line at 1200 or 1050 baud through 200 series data set. Local operation at 150 baud between tape terminal and 37 teletypewriter. Teletypewriter capable of operation on 150 baud line. See supplementary listing at end of table for data set and other optional components.</p> <p><u>1200 Baud Operation</u></p> <p>Cabinet (DMAC800/AA/MK) 1 Control Panel Assembly (TP337428HJ) 1 Transport W/Cartridge (DMT800) 1 Basic Electronics Module W/Cables (DME800) 1 Variable Circuit Cards (one each) Receive-Transmit Distributor (TP322471) 1 Data Set Interface (TP322473) 1 Teletypewriter Interface (TP322476) 1 Crystal, 150 Baud (TP335501) 1 Crystal, 1200 Baud (TP335504) 1 Cable Assembly, Teletypewriter Interface (TP337374) 1 Cable Assembly, Data Set Interface (TP337380) 1 Bracket (KS19266 L65) 1 Envelope (P423959) 1</p> <p><u>1050 Baud Operation</u></p> <p>Same as listed for MTTAG except:</p> <p>Omit: Crystal, 1200 Baud (TP335504) 1</p> <p>Add: Crystal, 1050 Baud (TP335503) 1</p>	MTTAG	
<p><u>1050 Baud Operation</u></p> <p>Same as listed for MTTAG except:</p> <p>Omit: Crystal, 1200 Baud (TP335504) 1</p> <p>Add: Crystal, 1050 Baud (TP335503) 1</p>	MTTBG	

TABLE A
COMPONENTS (Continued)

DESCRIPTION	CODE	QTY
<p><u>Adjunct to a Communications Display Terminal (CDT) – High speed operation (1200 baud) between magnetic tape terminal and CDT or cluster controller installation.</u></p> <p>Same as listed for Adjunct to Parallel Device (voltage-sensitive) except:</p> <p>Omit: Cable Assembly (TP337373)</p> <p>Add: Parallel Terminal Interface Modification Kit (DMAM800)</p> <p><u>Note:</u> DMAM800 modification kit includes cables necessary to interface tape terminal with single CDT or with CDT in cluster controller installation (select one):</p> <p>Cable Assembly, Single CDT (TP337448)</p> <p>Cable Assembly, Cluster Controller (TP337447)</p>	No Code Assigned	1 1 1 1
<p><u>Supplementary Equipment – Data Sets – When MTTAA, MTTBA, MTTAC, MTTBC, MTTAE, MTTBE, MTTAK, MTTBK, MTTAG, MTTBG, MTTAM, or MTTBM is ordered, one of the following data sets must be specified for on-line operation:</u></p> <p><u>If Reverse Channel is not required:</u></p> <p>202C9 Data Set with Rotary Dial</p> <p>202C11 Data Set with Touch-Tone® Dial</p> <p>202D3 Data Set</p> <p><u>If Reverse Channel is required:</u></p> <p>202C10 Data Set with Rotary Dial</p> <p>202C12 Data Set with Touch-Tone Dial</p> <p>202D4 Data Set</p> <p>One of the following should also be provided with DRE++ and DRM++:</p> <p>804A5 Data Auxiliary Set with Rotary Dial</p> <p>804A7 Data Auxiliary Set with Touch-Tone Dial</p> <p>Schematic drawings for the above data and data auxiliary sets are:</p> <p>Schematic Drawing SD-1D048-01 for 202C Data Sets</p> <p>Schematic Drawing SD-1D049-01 for 202D Data Sets</p> <p>Schematic Drawing SD-1D041-01 for 804A Data Auxiliary Sets</p>	DRA++ DRC++ DRE++ DRF++ DRL++ DRM++ WES43 WES44	1 1 1 1 1 1 1 1

TABLE A
COMPONENTS (Continued)

DESCRIPTION	CODE	QTY
<p><u>Supplementary Equipment – Front Panels – A front panel must be supplied to match the cabinet finish and data set arrangement. Select one of the following six panels:</u></p> <p><u>33/35 Finish</u></p> <p>Solid (TP337236HF) For 804A Data Auxiliary Set (TP337237HF) For 202C Data Set (TP337238HF)</p> <p><u>37 Finish</u></p> <p>Solid (TP337236GF) For 804A Data Auxiliary Set (TP337237GF) For 202C Data Set (TP337238GF)</p>	<p>WES4G WES4J WES4L WES4F WES4H WES4K</p>	<p>1 1 1 1 1 1</p>
<p><u>Optional Equipment – Character Recognition Expander – Circuit card installs in position XZ5 of the basic electronics module to provide up to three additional search characters, programmable by the user, with the option of a parity error function.</u></p> <p>Character Recognition Expander Card (TP322465)</p>	MT3*	1
<p><u>Optional Equipment – Auto Rewind for Local Print-Out – Circuit card installs in position XZ5 of the basic electronics module to provide auto rewind and special character recognition.</u></p> <p>Auto Rewind for Local Print-Out (TP322485) Card</p>	MT4*	1
<p><u>Optional Equipment – Running Time Meter – Electromechanical digital indicator gives a cumulative indication of the on-time of the transport, based on the rotations of the transport motor.</u></p> <p>Running Time Meter (TP337425) W/Mounting Hardware</p>	WES4M	1

- *MT3 and MT4 are not compatible. Both cards are designed for installation in connector XZ5 of the module, and only one can be selected per tape set.

TABLE B

REFERENCE SECTIONS

Explanation of abbreviations used in table:			
A	– Adjustments	I & CO	– Installation and Checkout
A & L	– Adjustments and Lubrication	L	– Lubrication
D	– Description	P	– Parts
D & O	– Description and Operation	PO	– Principles of Operation
D & PO	– Description and Principles of Operation	R & R of C	– Removal and Replacement of Components
D & R	– Disassembly and Reassembly	TP	– Test Procedures
FMP	– Field Maintenance Practice	TS	– Troubleshooting
I	– Installation	WD & CD	– Wiring Diagrams and Circuit Description

SECTION	EQUIPMENT COVERED	CONTENTS
570-005-800	Tools	P
570-220-100	Motor Units	D & PO
-700		A
-701		L
574-100-101	33 Teletypewriter Sets (KSR, ASR, & RO)	D & O
-201		I
-401		SWD & AWD
-702		R & R of C
574-121-100	33 Keyboard (UK)	D
-700		A
-701		L
-702		D & R
-800		P
574-122-100	33 Typing Unit (UP)	D & PO
-700		A
-701		L
-702		D & R
-800		P
574-123-100	33 Call Control Unit (UCC)	D & PO
-102	Call Control Unit (UCC29)	D & PO
-800	33 Call Control Unit (UCC)	P
574-126-100	33 Cover	GEN DESC
-700		A
-701		L
-800	33 Cover & Table	P
574-201-100	35 Teletypewriter Sets (KSR & RO)	D & O
-200		I
-300	35 Teletypewriter Set (KSR)	TS

TABLE B
REFERENCE SECTIONS (Continued)

SECTION	EQUIPMENT COVERED	CONTENTS
574-220-100 -700 -701 -702 -800	35 Typing Unit	D & PO A L D & R P
574-221-100 -400 -700 -701 -702 -800	35 Keyboard & Bases for KSR & RO Teletypewriter Sets	D & O AWD A L D & R P
574-226-100 -800	35 Electrical Service Unit 35 Electrical Service Unit for KSR and RO Sets	D & PO P
574-227-100 -400 -800	35 Call Control Unit	D & PO AWD P
574-229-100 -700 -701 -800	35 Cabinets for KSR and RO Sets 35 Console and Table Model Cabinet – KSR/RO	D A L P
574-301-100 -200 -300 -400 -702	37 KSR Set	D & O I TS WD & CD R & R of C
574-320-100 -700 -701 -800	37 Typing Unit	D & PO A L P
574-321-101 -703 -704 -705 -801	37 Keyboard Unit 37 Keyboard and Base	D & PO A L D & R P
574-322-101 -801	37 Electrical Service Unit	D & PO P
574-326-101 -703 -704 -801	37 Typing Unit Cover and Pan	D & O A L P

TABLE B
REFERENCE SECTIONS (Continued)

SECTION	EQUIPMENT COVERED	CONTENTS
578-100-100	2510 CDT	D & O
-102	2510/2511 CDT Enclosures	D & O
-103	2510/2511 CDT Keyboard	D & PO
-200	2510 CDT	I & CO
-300		TS
-700		A (Electronic)
-701	2510/2511 CDT Enclosures	A & L
-702	2510/2511 CDT	R & R of C
-703	2510/2511 CDT Keyboard	A
-704		L
-705		D & R
-800	2510/2511 CDT Cabinet	P
-801	2510/2511 CDT Keyboard and Control Panel	P
-802	2510/2511 CDT Modules and Power Supplies	P
578-101-100	2511 CDT	D & O
-200		I & CO
-300		TS
-700		A (Electronic)
578-110-100	2510/2511 CDT Interface Module	D & O
-200		I & CO
-302		TS
578-150-100	Cluster Controller	D & PO
-200		I & Pow. Supp. Adj.
-300		TS
-350		FMP
-800		P
578-300-100	DATASPEED Magnetic Tape Set	GEN DESC
-101		Sta. Arrngt. I.D.
-110		D & PO
-200		I
-300		CO & TS
-700	DATASPEED Magnetic Tape Set – Tape Transport	A & L
-701	DATASPEED Magnetic Tape Set – Cabinets	A
-702	DATASPEED Magnetic Tape Set	R & R of C
-703		D & R
-800		P
579-803-350*	DATASPEED Magnetic Tape Terminal	FMP
591-810-110	33/35 Teletypewriter Stations (Data Line Concentrator Service)	D & O
-210		I & CO

*Issue 1 of this section was numbered 578-300-350.

TABLE B
REFERENCE SECTIONS (Continued)

SECTION	EQUIPMENT COVERED	CONTENTS
591-815-100	33/35 Teletypewriter Stations (for DATAPHONE Service)	GEN DESC
-101	33/35 Teletypewriter Stations (for General Purpose Point-to-Point Private Line Service)	D & O
-200	33/35 Teletypewriter Stations (for DATAPHONE Service)	I & CO
-201	33/35 Teletypewriter Stations (for General Purpose Point-to-Point Private Line Service)	I & CO
592-015-100	202C Data Set	D & O
-200		I
-300		Maintenance
-400		Connections
-500		TP
592-016-100	202D Data Set	D & O
-200		I
-300		Maintenance
-400		Connections
-500		TP
598-030-100	804A Data Auxiliary Set	I.D. & Connections