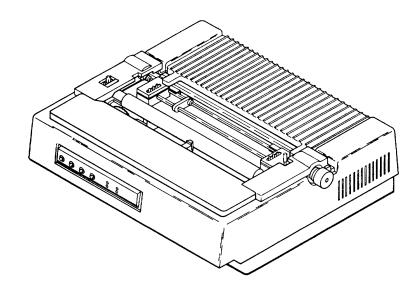
OPERATOR'S MANUAL



TELEPRINTER TT-756/MYQ-4 (NSN 5815-01-092-2650) EQUIPMENT DESCRIPTION PAGE 1-2

OPERATING INSTRUCTIONS PAGE 2-1

> PMCS PAGE 2-3

TROUBLESHOOTING PROCEDURES PAGE 3-2

MAINTENANCE PROCEDURES PAGE 3-2

HEADQUARTERS, DEPARTMENT OF THE ARMY

FEBRUARY 1984

WARNING

HIGH VOLTAGE

High voltage is used in the operation of this equipment.

ELECTROCUTION ON CONTACT

Electrocution may result if you fail to observe these safety precautions.

Never perform maintenance on this equipment when it is powered on. If you have operating problems or equipment failure, power off and report the problem to your supervisor.







- 5
- SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK
- 1
- DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL
- 2
- IF POSSIBLE, TURN OFF THE ELECTRICAL POWER
- 3
- IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL
- 4
- SEND FOR HELP AS SOON AS POSSIBLE
- 5

AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

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TECHNICAL MANUAL

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 20 February 1984

OPERATOR'S MANUAL TELEPRINTER TT-756/MYQ-4

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual, direct to: Commander, US Army Communications and Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703. A reply will be furnished to you.

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HOW TO USE THIS MANUAL

This manual tells you how to operate and service Teleprinter TT-756/MYQ-4.

LOCATION OF SUBJECTS IN MANUAL

In this manual, paragraphs are numbered in order by chapter. For example, paragraph 2-3 is the third paragraph in chapter 2. Pages are also numbered this way. Using this numbering system, there are two easy ways to locate the information you need in this manual.

- Front cover locators
- Subject index

Use the front cover locators and marked pages to quickly find the parts of the manual shown on the cover. If the information you need is not listed on the front cover, use the subject index at the back of this manual. It lists all subjects covered in the manual and directs you to the subject by page number.

OPERATING AND MAINTENANCE PROCEDURES

Operating and maintenance procedures in this manual have two features which help you perform them more easily:

- Initial setup boxes
- First-time performance aids

An initial setup box is used at the start of any procedure which requires setup items before you perform it. This box lists items such as tools and supplies needed to perform the procedure. If the box does not appear at the start of a procedure, it means no setup items are needed.

If you are using this manual to perform a procedure for the first time, always read through the entire procedure before you start. This will help you understand the task you will perform. Always perform the task steps in the order given. This will help assure correct performance. Use the illustrations beside the steps to find the parts of the equipment called out in the steps. Some steps include a reference to another paragraph. Go to that paragraph if you are not sure how the steps are done.

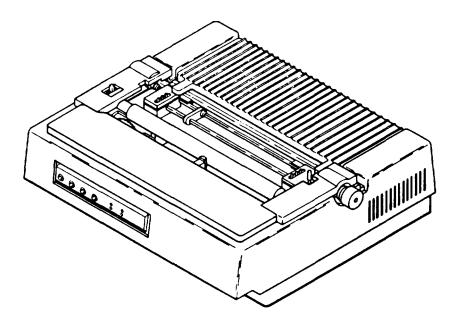


Figure 1-0. Teleprinter TT-756/MYQ-4

CHAPTER 1 INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

This manual is the operator's manual for Teleprinter TT-756/MYQ-4 (fig. 1-0). In the rest of this manual it will be called the console printer. This manual describes the console printer and tells what it can do. It also shows you how to operate and maintain it.

The console printer is a slave printer device for the console terminal.

1-2. MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

1-3. HAND RECEIPT (-HR) MANUALS

This manual has a companion document with a TM number followed by -HR (which stands for Hand Receipt). TM 11-7025-220-10-HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i.e., COEI, BII, and AAL) which you must account for. As an aid to property accountability, additional -HR manuals may be requisitioned from the following source in accordance with procedures in Chapter 3, AR310-2: The US Army Adjutant General Publications Center ATTN: AGLD-OD, 2800 Eastern Boulevard, Baltimore, MD 21220

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your console printer needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army Communications and Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MQ Fort Monmouth, NJ 07703. We'll send you a reply.

1-5. REFERENCE INFORMATION

This listing includes the nomenclature cross-reference list, list of abbreviations and an explanation of terms (glossary) used in this manual.

1-6. NOMENCLATURE CROSS-REFERENCE LIST

Common names are used throughout this manual, but you must use the official nomenclature when filling out report forms, sending an EIR, or finding reference technical manuals.

Common Name Nomenclature

Console printer TT-756/MYQ-4

1-7. LIST OF ABBREVIATIONS

ADP Automated Data Processing bps bits per second characters per inch cpi characters per minute cpm characters per second cps Carriage Return (signal) CR **CRT** Cathode Ray Tube LF Line Feed (signal)

1-8. GLOSSARY

Remote Terminal An electronic CRT capable of transmitting data.

Bit Smallest unit of information transmitted to the printer.

Asynchronous Data communications which is not time related. Uses stop and start bits instead

of time pulses to organize data for transmission.

Section II. EQUIPMENT DESCRIPTION

1-9. EQUIPMENT PURPOSE, CAPABILITIES, AND FEATURES

The console printer prints out everything that is displayed on the console terminal display unit. It is a slave printer device for the console. It can:

- Print characters in 132 print positions
- Print 10 characters per inch (cpi), horizontal; 6 cpi, vertical
- Print at an average speed of 30 characters per second (cps)

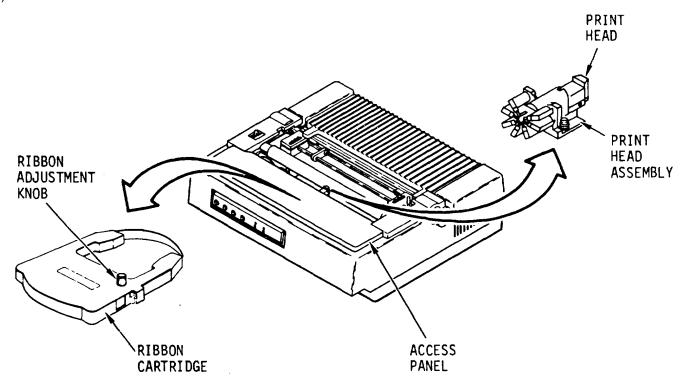
- Print on paper from 1 to 5 parts thick
- · Automatically line feed paper
- · Self-test its printing, line feed, and carriage transport functions off line
- Sense paper out, and stop print operation

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

The major components of the console printer are a print mechanism and electronic controls.

1-11. PRINT MECHANISM

The print mechanism consists of the print head assembly, ribbon cartridge, (fig. 1-1), and paper handling components (fig. 1-2).



PRINT HEAD - imprints characters on paper.

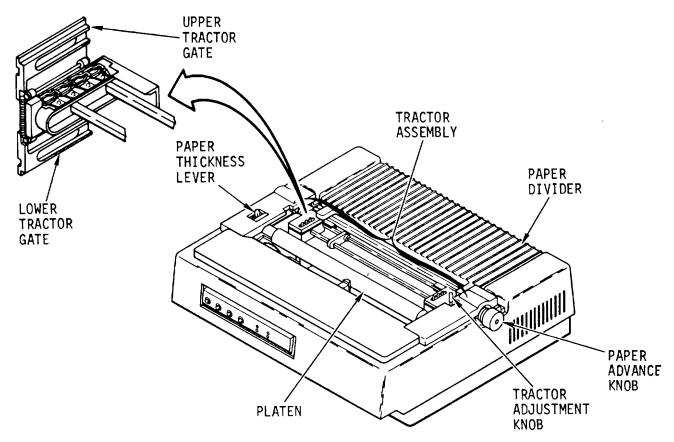
PRINT HEAD ASSEMBLY - contains print head.

RIBBON CARTRIDGE - provides ink to print head.

RIBBON ADJUSTMENT KNOB - turns to tighten ribbon.

ACCESS PANEL - is a removable panel that covers and protects printhead assembly and ribbon cartridge.

Figure 1-1. Print Head Assembly and Ribbon Cartridge



TRACTOR ASSEMBLY - consists of upper and lower tractor gates which open and close for removing and installing paper.

PAPER DIVIDER - separates incoming paper from outgoing paper.

PAPER ADVANCE KNOB - moves tractor and platen to advance paper.

TRACTOR ADJUSTMENT KNOB - adjusts tractors to paper width.

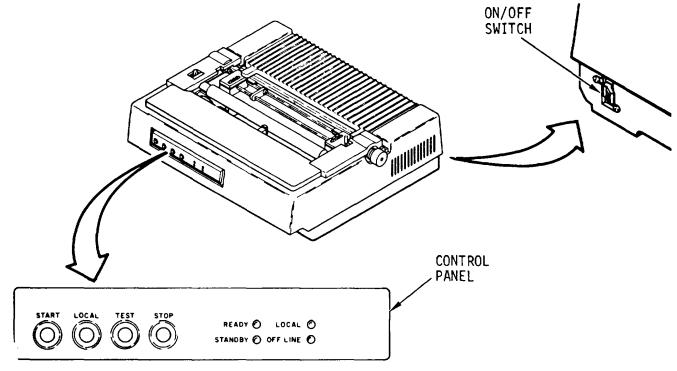
PLATEN - supports paper and provides hard striking surface for print head.

PAPER THICKNESS LEVER - adjusts platen to paper thickness and activates microswitch which adjusts printhead striking force.

Figure 1-2. Paper Handling Components

1-12. ELECTRONIC CONTROLS

The electronic controls consist of the ON/OFF switch and the control panel



ON/OFF SWITCH - turns printer on and off. CONTROL PANEL - tests, prepares for, and stops printer operation

Figure 1-3. Electronic Controls

1-13. EQUIPMENT DATA

Weight and Dimensions:

Weight 64.0 lb (29.0 kg)
Height 7.5 in. (19.1 cm)
Width 23.0 in. (58.4 cm)
Depth 20.5 in. (52.1 cm)

Operating Environment:

Temperature 50OF to 100OF (100C to 380C) Relative humidity 10% to 90% (noncondensing)

Power Requirements:

Voltage 105 V ac to 128 V ac Frequency 60 Hz

Transmission Requirements:

Data Communication Cable Assembly (RS-232-C)

Ribbon Requirements:

Cartridge - Type (M3917 - 3/8 in.)

Paper Requirements:

Type Pin-Feed (Fan-Fold)

Width 4.0 in. to 15 in. (10.2 cm to 38.1 cm)

Thickness 0.003 in. to 0.020 in. (0.008 cm to 0.051 cm)

Section III. TECHNICAL PRINCIPLES OF OPERATION

1-14. FUNCTIONAL DESCRIPTION

Before the console printer can print, it needs a data source from which it receives data for printing.

The data source transmits data in asynchronous mode up to 300 bits per second (bps) to the printer. The printer begins printing at a rate of 30 characters per second (cps). Data transmitted to the printer faster than the printer can print is stored in its 64-character memory during carriage return (CR) time, line-feed (LF) time, and print head movement time. When a CR signal is received from the data source, the print head returns at a rate equivalent to 300 cps. The print head then prints at a catchup speed of 120 cps. It does this to clear its memory, and to maintain an average print speed of 30 cps. If no CR and LF signals are received from the data source, the printer generates its own CR and LF signals after a 132-character transmission from the data source.

1-15. OFF-LINE OPERATION

Data printed off line by the printer is received either from a remote terminal or from a data source inside the printer (fig. 1-4). The data source sends two kinds of data: content data and command data. Content data is what the printer prints. Command data is the series of commands that tell printer to operate.

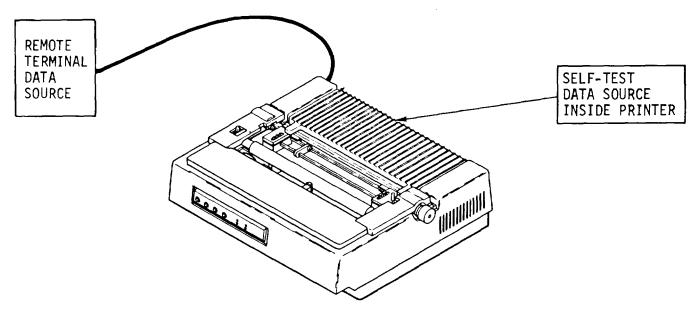


Figure 1-4. Off-Line Data Source.

Content and command data are sent to the printer for print self-test when STOP, LOCAL, TEST, START buttons are pressed in that order (fig. 1-5). Command data is sent to printer when START and STOP buttons are pressed alone to ready printer for operation, or to stop operation.

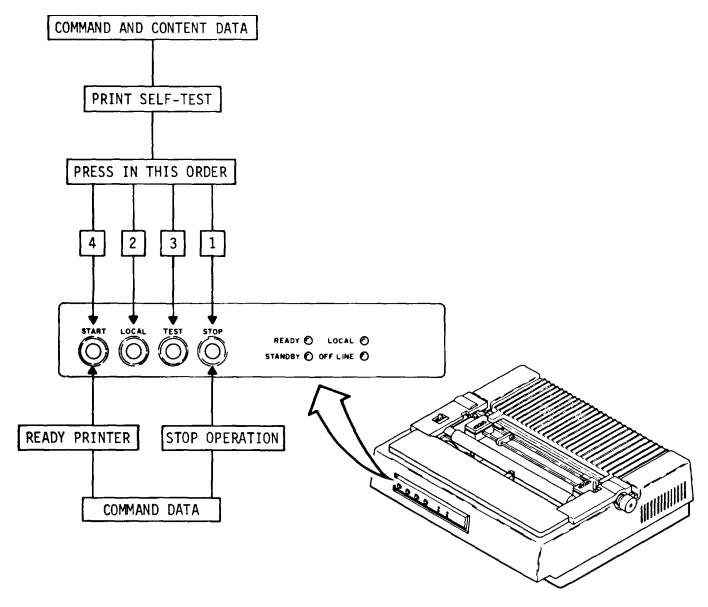


Figure 1-5. Off-Line Data Source Control

1-16. ON-LINE OPERATION

The on-line data source is a remote terminal on line with a computer. The printer interacts on line with the data source when the data source is on line, and the START button on the printer is pressed (fig. 1-6). On-line operation is suspended and the printer placed in standby condition when the STOP button is pressed.

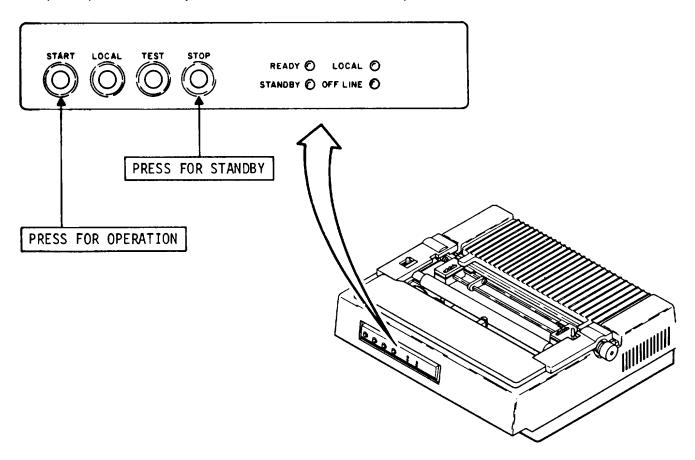


Figure 1-6. On-Line Data Source Control

CHAPTER 2 OPERATING INSTRUCTIONS

Index of Operating Procedures

Paragraph No.	Title	Page No.
2-7	Install/Remove Paper	2-8
2-8	Operate Console Printer	2-12

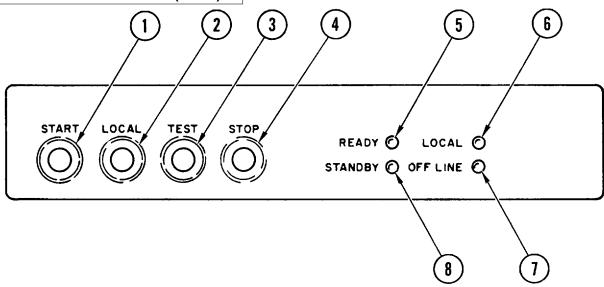
Section I. DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS

2-1. CONTROLS AND INDICATORS

The console printer is operated with mechanical and electronic controls.

- a. Mechanical Controls. Mechanical controls are used to prepare the printer for operation:
 - Paper Thickness Lever. Adjusts platen to paper thickness
 - Tractor Adjustment Knob. Adjusts tractors to paper width
 - Paper Divider. Separates incoming paper from outgoing paper
 - Tractor Assembly. Advances paper under, around, and over platen
 - Paper Advance Knob. Moves upper and lower tractors to advance paper
 - Platen. Supports paper during print operation and provides hard striking surface for printhead
 - Upper and Lower Tractor Gates. Hold paper on tractor assembly
- b. <u>Electronic Controls</u>. Electronic controls are used by the operator to prepare and place the printer in operation. They are:
 - Paper Thickness Lever. Activates microswitch which adjusts print head striking force for paper thickness
 - ON/OFF Switch. Turns printer on and off
 - Control Panel. Contains switches and indicators to prepare printer, start, stop operation, and indicate printer status (fig. 2-1)

2-1. CONTROLS AND INDICATORS (CONT)



- (1) START When pressed singly, moves printer from standby to ready status. When pressed in the order of STOP-LOCAL-TEST-START, starts print self-test
- (2) LOCAL When pressed in STANDBY condition, places unit in LOCAL mode for test and/or maintenance functions
- (3) TEST When pressed in the proper order, starts print self-test
- (4) STOP When pressed in the proper order, initiates print self-test. When pressed singly, stops print self-test. Also places printer in off-line standby condition
- (5) READY Indicator lights when printer is in operational status.
- (6) LOCAL Indicator lights during print self-test
- (7) OFF LINE Indicator lights when printer is in off line transition between standby and ready status or test mode. Printer is on line only when device it is slaved to is on line
- (8) STANDBY Indicator lights when printer is in standby condition

Figure 2-1. Controls and Indicators on Control Panel

Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

2-2. GENERAL

Operator's Preventive Maintenance Checks and Services (PMCS) are the required daily and weekly inspection and care of the equipment necessary to keep it in good operating condition. PMCS shall be done before (B) operation, during (D) operation and after (A) operation. Other checks and services are done on a weekly (W) or monthly (M) cycle.

NOTE

Always observe all WARNINGS and CAUTIONS when you perform the PMCS procedures.

- a. Before operation. Do your before (B) PMCS to be sure that the equipment is ready for operation.
- b. <u>During operation</u>. Do your during (D) PMCS to be sure that the equipment is operating properly.
- c. After operation. Do your after (A) PMCS so that the equipment will be ready for future operation.
- d. <u>If your equipment fails to operate</u>. Refer to chapter 3 for troubleshooting procedures. Report any deficiency on DA Form 2404. See TM 38-750.

2-3. PMCS PROCEDURESI

PMCS procedures are done at fixed intervals for the following purposes:

- Make sure that the equipment is operable
- Prevent equipment problems in future operation
- · Identify and resolve minor problems in the equipment before they become major problems
- · Scheduled cleaning of the equipment
- a. <u>PMCS Table</u>. The PMCS procedures are contained in Table 2-1. This information is given by item number, interval, item inspected, procedure and criteria for rejection. An explanation of the contents of each column is given below.
- (1) <u>Item Number Column</u>. The checks and services are numbered in chronological order. The numbers in this column shall be used in the TM Item No. column of DA of Form 2404, Equipment Inspection and Maintenance Worksheet, in recording results of PMCS.

- (2) <u>Interval Column</u>. This column identifies the interval at which the check or service is performed. Only those columns are used which are pertinent to the equipment.
- (3) <u>Item To Be Inspected Column</u>. The equipment or portion of the equipment being checked or serviced is listed in this column.
 - (4) Procedures Column. This column contains the check or service procedure.
- (5) <u>Equipment Is Not Ready/Available If: Column</u>. The reason why an equipment will be classified as unable to perform its mission will be given in this column. An entry in this column will:
 - (a) Identify conditions that make the equipment not ready/available for readiness reporting purposes.
 - (b) Deny use of the equipment until corrective maintenance has been performed.
- b. <u>Routine Checks</u>. Checks like equipment inventory, cleaning, dusting, washing, checking for frayed cables, storing items not in use, covering unused receptacles and checking for loose nuts and bolts are not listed in your PMCS. They are things you should do anytime you see they must be done. If you find a routine check like one of these listed in your PMCS, it was listed because other operators reported problems with this item.

Table 2-1. Preventive Maintenance Checks and Services

NOTE

If the equipment must be kept in continuous operation, check and service only those items that can be checked and serviced without disturbing operation. Make the complete checks and services when the equipment can be shut down.

NOTE: Within designated interval, these checks are to be done in the order listed.

B = Before

W = Weekly

Perform weekly as well as before PMCS if:

- (1) You are the assigned operator and have not operated the equipment since the last weekly.
- (2) You are operating the equipment for the first time.

Table 2-1. Preventive Maintenance Checks and Services -- Continued

Item No.	l l		I		Item to be Inspected	Procedures Check for and have	Equipment is not Ready/Available If:
	В	W		as necessary			
1 2 3	• • • • • • • • • • • • • • • • • • •	W	Ribbon Cartridge Console Printer Operation Console Printer	repaired or adjusted as necessary Check for undamaged condition. Make sure cartridge is properly installed. Run self-test Self-test does not run or shows faulty operation. Clean, using the following steps. 1 Power off. 2 Remove paper. 3 Use a soft brush and vacuum cleaner. 4 Remove exterior dust and dirt Clean behind and under printer using a long narrow nozzle. 5 Remove access panel. 6 Use a soft brush and vacuum cleaner to remove interior dust and dirt. WARNING Isopropyl alcohol, when used as a cleaning fluid, is flammable. Keep away from heat and open flame. CAUTION Do not allow liquid cleaner to run or drip inside printer Too much liquid may cause damage to equipment. 2-5	Ribbon dry, worn, or damaged.		

Table 2-1. Preventive Maintenance Checks and Services -- Continued

Item No.	Inte	erval	Item to be Inspected	Procedures Check for and have repaired or adjusted	Equipment is not Ready/Available If:	
	В	W		as necessary		
				 7. Dampen clean, lint-free cloth with isopropyl alcohol and remove stains, smudges and finger marks from plastic or metal surfaces. Wipe with clean dry lint-free cloth. 8. Replace access panel. 9. Install paper. 		

Section III. OPERATION UNDER USUAL CONDITIONS

2-4. ASSEMBLY AND PREPARATION FOR USE

See your system manual for location of the ac power source. Before you insert the ac power plug into the power source, check that the ON/OFF power switch is in the OFF position.

See your system manual for location of the remote terminal. Check that the data communication cable assembly is securly installed in the console printer and the remote terminal. If it is not, see your supervisor.

Make sure these components are installed before operation:

- Ribbon Cartridge
- Paper

2-5. INITIAL ADJUSTMENTS, DAILY CHECKS, AND SELF-TEST

Perform the following initial adjustments, daily checks, and self-test before start up.

- Check paper thickness switch lever. Set for total number of sheets per form
- Check paper supply. Install if necessary (para 2-7)
- Check ribbon. Tighten if necessary (para 3-4)
- · Check tractors. Adjust if necessary

- Check that print head is free from paper dust. If necessary, clean with soft brush or vacuum
- Check inking condition of ribbon. Run self-test (para 3-5). If print is light, replace ribbon cartridge

2-6. OPERATING PROCEDURES

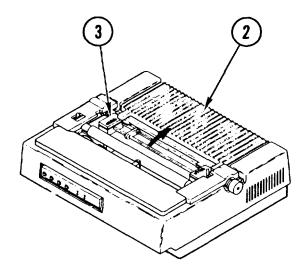
The operating procedures which follow enable you to prepare the console printer for operation, and to operate it. Also, to remove it from operation to and place it in a standby condition or shutdown status.

2-7. INSTALL/REMOVE PAPER

INITIAL SETUP

Supplies

Printout paper

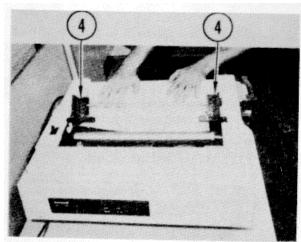


CAUTION

Make sure paper is type specified in Equipment Data (para 1-13).

Install

- 1. Power off.
- 2. Lift off paper divider.
- 3. Lift tractor assembly, as shown. by arrow.

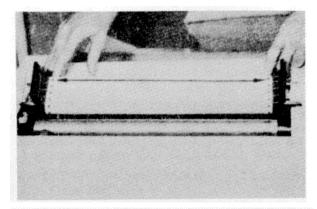


- 4. Open tractor gates, as shown.
- 5. Slide paper under shafts.

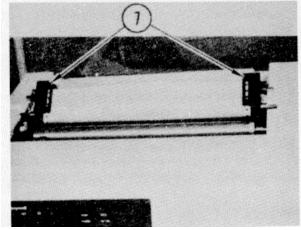
NOTE

If tractor requires adjustment-for paper width, see paragraph 3-6.

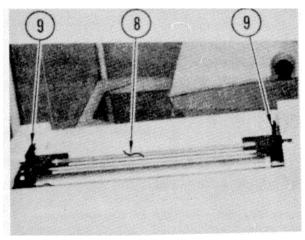
2-7. INSTALL/REMOVE PAPER (CONT)



6. Push paper holes onto tractor pins. Make sure the paper is lined up evenly, as shown.

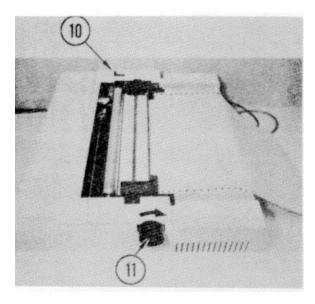


7. Close tractor gates.

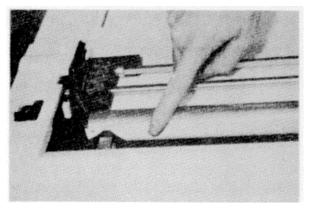


- 3. Lower tractor assembly.
- 9. Open top tractor gates.

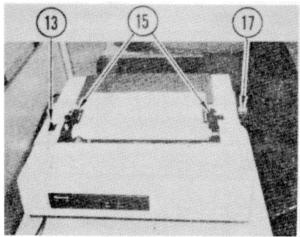
2-7. INSTALL/REMOVE PAPER (CONT)



- 10. Set paper thickness lever to number 5.
- 11. Turn knob as shown.

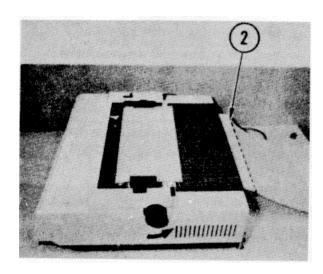


12. Guide paper past ribbon head with fingers.



- 13. Reset paper thickness lever to match thickness of paper.
- 14. Push paper holes onto tractor pins.
- 15. Close tractor gates.
- 16. Replace paper divider.
- 17. Turn knob till paper goes over paper divider.

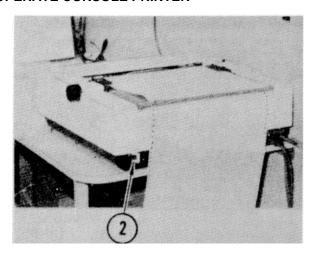
2-7. INSTALL/REMOVE PAPER (CONT)

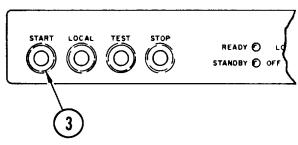


Remove

- 1. Power off printer.
- 2. Tear off paper at perforation.
- 3. Turn knob as shown till paper is free.

2-8. OPERATE CONSOLE PRINTER





- 1. Install paper (para 2-7).
- 2. Set power switch ON.

3. Press START button on control panel. Make sure READY indicator is lit. If READY indicator does not light, troubleshoot cause (table 3-1).

NOTE

When it becomes necessary to place printer in shutdown status, set power switch OFF.

2-9. PREPARATION FOR MOVEMENT

Your system manual contains instructions for preparing the console printer for movement. In most installations, the unused paper, and sometimes the ribbon cartridge are removed, the carriage head tie wrapped to chassis, and the access panel and paper divider taped down to prepare the console printer for movement.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS

2-10. OPERATION IN UNUSUAL WEATHER

The console printer is designed to operate normally in a climate controlled area protected from dust and extreme dryness. If the climate control equipment fails, you may continue to operate the console printer if the room temperature is not lower than 50OF (10oC) or higher than 1000F (380C).

WARNING

Do not allow wet cloths used for emergency humidification to drip on floor or near electronic equipment in operating area. A shock hazard will result.

When operating in extremely dry climate you must use a humidifier to raise the relative humidity above 10%. If the humidifier fails, soak cloths or towels with water and hang them in the work area away from equipment. The evaporation which results will raise the humidity and allow you to continue operation. Monitor the humidity while you operate to make sure it is at least 10%.

2-11. EMERGENCY PROCEDURES

If ac power is interrupted at the power source while the console printer is powered on, turn off the printer at the ON/OFF power switch. When ac power is restored, restart the printer. If printer was operating on line before power interruption, you will have to restart the program being run to obtain a complete printout of transaction.

If ac power interruption affects entire ADP system, see your system manual for start up procedure.

2-13/(2-14 blank)

CHAPTER 3 MAINTENANCE INSTRUCTIONS

Index of Maintenance Procedures

Paragraph No.	Title	Page No.
3-4	Remove/Replace Ribbon Cartridge	3-3
3-5	Run Console Printer Self-Test	3-5
3-6	Adjust Tractor	3-7

Section I. LUBRICATION INSTRUCTIONS

3-1. LUBRICATION

The console printer requires no lubrication.

Section II. TROUBLESHOOTING PROCEDURES

3-2. GENERAL

Table 3-1 lists the common malfunctions which you may find during the operation or maintenance of the console printer or its components. You should perform the tests, inspections, and corrective actions in the order listed.

This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, notify your supervisor.

Table 3-1. Troubleshooting

MALFUNCTION

TEST OR INSPECTION CORRECTIVE ACTION

1. PRINTS LIGHT ON ALL CHARACTERS.

Step 1. Check paper thickness lever.

Set lever for number of copies. Run self-test.

Step 2. Check if ribbon is dry, worn, or damaged.

Replace ribbon cartridge (para 3-4). Run self-test.

Step 3. If printing is still too light, tell your supervisor.

MALFUNCTION

TEST OR INSPECTION CORRECTIVE ACTION

- CONSOLE PRINTER DROPS FROM READY TO STANDBY CONDITION OR WILL NOT INDICATE READY STATUS.
 - Step 1. Check if paper supply is out.

Install paper.

- Step 2. If printer still will not switch to READY status, tell your supervisor.
- 3. IMPROPER PAPER FEED.
 - Step 1. Check if paper is properly installed.

Install paper properly.

Step 2. Check tractor adjustment.

Adjust tractor. (para 3-6)

- Step 3. If paper still does not feed, tell your supervisor.
- 4. CARRIAGE MOVES, BUT DOES NOT PRINT.
 - Step 1. Check if ribbon is in slot between print head and paper.

Install ribbon properly (para 3-4)

Step 2. If carriage still does not print, tell your supervisor.

Section III. MAINTENANCE PROCEDURES

3-3. GENERAL

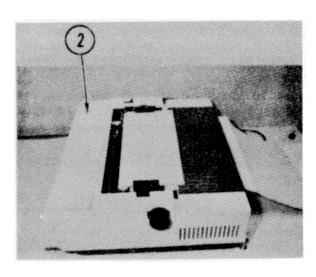
This section contains the maintenance procedures you are authorized to perform on the console printer. These include checks and adjustments, removal and installation of components, and testing.

3-4. REMOVE/REPLACE RIBBON CARTRIDGE

INITIAL SETUP:

Materials/Spare Parts

Ribbon cartridge

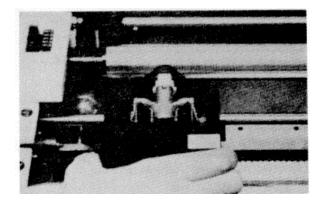


NOTE

Ribbon cartridge can be changed with or without paper installed.

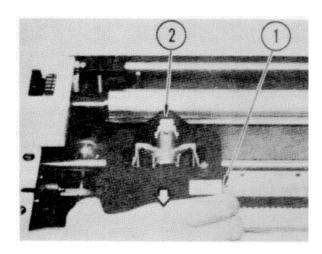
Remove

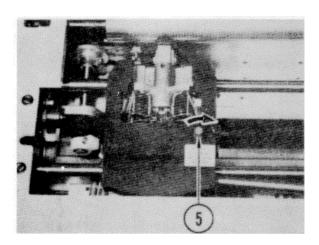
- 1. Power off.
- 2. Remove access panel.



3. Grasp both sides of cartridge. Pull up.

3-4. REMOVE/REPLACE RIBBON CARTRIDGE (CONT)



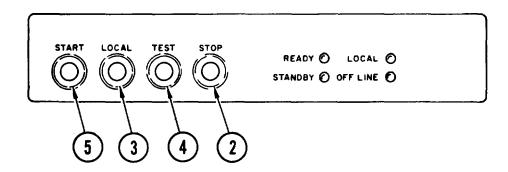


Replace

- 1. Pull out pin on side of new cartridge and discard.
- 2. Insert ribbon between platen and print head.
- 3. Pull cartridge back and set it over two pins on carriage.
- 4. Push cartridge down to lock in place.

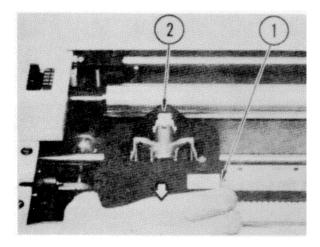
- 5. To tighten ribbon, turn knob one full turn, as shown.
- 6. Replace access panel.

3-5. RUN CONSOLE PRINTER SELF-TEST



- 1. Make sure ac plug is in ac power outlet. Install paper if not already loaded (para 2-7). Power ON.
- 2. Press STOP.
- 3. Press LOCAL.
- 4. Press TEST.
- 5. Press START.

RUN CONSOLE PRINTER SELF-TEST (CONT) 3-5.



- 6. After printer has typed 25-30 lines, press STOP.
- 7. Check printout.

 - If printout looks like this, printer is okay.
 If printout does not look like this, tell your supervisor

NOTE

When it becomes necessary to place printer in shutdown status, set power switch OFF.

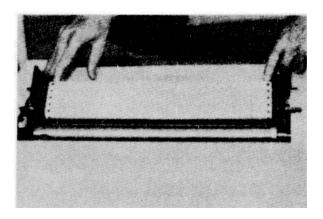
3-6. ADJUST TRACTOR

NOTE

Some console printers have a tractor adjustment knob on each tractor. If your unit has both adjustment knobs, adjust only the one nearest the paper advance knob. The other tractor should not be moved.

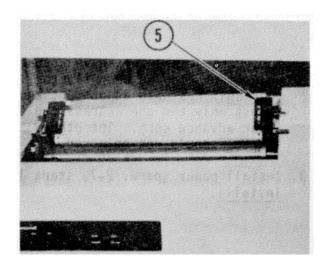
1. Install paper (para. 2-7, steps 1-5, <u>Install</u>).

2. Loosen tractor adjust knob. Slide tractor to fit paper.



3. Push paper holes onto tractor pins. Make sure the paper is lined up evenly as shown.

3-6. ADJUST TRACTOR (CONT)



- 4. Close tractor gates.
- 5. Slide tractor slowly toward paper advance knob until paper is taut on tractor assembly.
- 6. Lower tractor assembly.
- 7. Tighten tractor adjustment knob.

APPENDIX A REFERENCES

A-1. SCOPE

This appendix lists all forms, field manuals and technical manuals referenced in, or required for use with, this technical manual.

A-2. FORMS

Equipment Inspection and Maintenance Worksheet Quality Deficiency Report Recommended Changes to Equipment Technical Manuals Recommended Changes to Publications and Blank Forms	Form SF 368 DA Form 2028-2	
A-3. TECHNICAL MANUALS		
Hand Receipt Manual: Teleprinter TT-756/MYQ-4TM 11-7025 The Army Maintenance Management System (TAMMS)TM 38-750		
A-4. MISCELLANEOUS PUBLICATIONS		

A-1/(A-2 blank)

APPENDIX B

COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS

Section I. INTRODUCTION

B-1. SCOPE

This appendix lists components of end item and basic issue items for the console printer to help you inventory items required for safe and efficient operation.

B-2. GENERAL

The Components of End Item and Basic Issue Items Lists are divided into the following sections:

- a. Section II. Components of End Item. This listing is for informational purposes only, and is not authority to requisition replacements. These items are part of the end item, but are removed and separately packaged for transportation or shipment. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Illustrations are furnished to assist you in identifying the items.
- b. Section III. Basic Issue Items. These are the minimum essential items required to place the console printer in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged BII must be with the console printer during operation and whenever it is transferred between property accounts. The illustrations will assist you with hard-to-identify items. This manual is your authority to request/requisition replacement BII, based on TOE/MTOE authorization of the end item.

B-3. EXPLANATION OF COLUMNS

The following provides an explanation of columns found in the tabular listings:

- Column (1) -Illustration Number (Illus. Number). This column indicates the number of the illustration in which the item is shown.
- Column (2) -National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.
- Column (3) -Description. Indicates the National item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number. If item needed differs for different models of this equipment, the model is shown under the "Usable On" heading in this column.

These codes are identified as:

Code Used On

Column (4) -- Unit of Measure (U/M). Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea., in., pr).

Column (5) -Quantity required (qty reqd). Indicates the quantity of the item authorized to be used with/on the equipment.

Section II. COMPONENTS OF END ITEM (Not applicable)

Section III. BASIC ISSUE ITEMS (Not applicable)

APPENDIX C ADDITIONAL AUTHORIZATION LIST

Section I. INTRODUCTION

C-1. SCOPE

This appendix lists additional items you are authorized for the support of the console printer.

C-2. GENERAL

This list identifies items that do not have to accompany the console printer and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

C-3. EXPLANATION OF LISTING

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support this equipment. The items are listed in alphabetical sequence by item name under the type document (i.e., CTA, MTOE, TDA, or JTA) which authorizes the item(s) to you.

Section II. ADDITIONAL AUTHORIZATION LIST

(Not applicable)

C-1/(C-2 blank)

APPENDIX D EXPENDABLE SUPPLIES AND MATERIALS LIST

Section I. INTRODUCTION

D-1. SCOPE

This appendix lists expendable supplies and materials you will need to operate and maintain the console printer. These items are authorized to you by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items).

0-2. EXPLANATION OF COLUMNS

Column (1) -- Item number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., "Use cleaning compound, item 5, appx D").

Column (2) -Level. This column identifies the lowest level of maintenance that requires the listed item.

- C -- Operator/Crew
- 0 -- Organizational Maintenance
- F -- Direct Support Maintenance

Column (3) -- National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

Column (4) -Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

Column (5) -Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea., in., pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST

(1)	(2)	(3)	(4)	(5)
ITEM NUMBER	LEVEL	NATIONAL STOCK	DESCRIPTION	UNIT OF
		NUMBER	PART NO. AND FSCM	MEAS.
	C C C	7920-00-101-6686 6810-00-753-4993 8305-00-222-2423	Brush, Bristle 30239 BAS-14 Isopropyl Alcohol 81348 TTI735 Cloth, Lintfree	EA CN YD

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