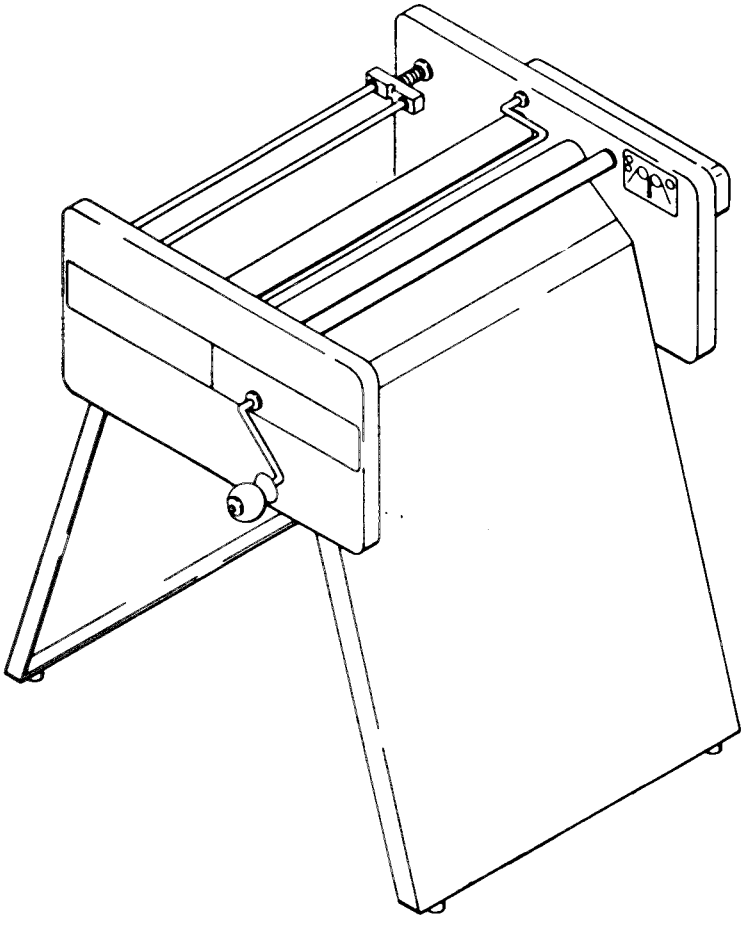
TM 11-7010-209-13

OPERATOR'S,
ORGANIZATIONAL, AND DIRECT SUPPORT
MAINTENANCE MANUAL



DECOLLATOR MX-10487/MYQ-4A

(NSN 7045-01-153-0791)

HEADQUARTERS DEPARTMENT OF THE ARMY

13 MAY 1985

WARNING

FLAMMABLE AGENTS

Isopropyl alcohol is flammable. Keep away from heat and open flames.

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 WOODEN POLE OR A 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

TECHNICAL MANUAL

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 13 May 85

OPERATOR'S, ORGANIZATIONAL, AND DIRECT SUPPORT MAINTENANCE MANUAL
DECOLLATOR MX-10487/MYQ-4A

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-MP, Fort Monmouth, New Jersey 07703. A reply will be furnished to you.

TABLE OF CONTENTS -- CONTINUED

HOW TO USE THIS MANUAL

This manual tells you how to operate, service and maintain Decollator MX-10487//MYQ-4A.

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 three easy ways to locate the information you need in this manual.

- Front cover locators
- Subject index
- Index of maintenance procedures

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 paragraph number. When you need a specific maintenance procedure, use the index at the start of chapter 4 or 5. This index lists all the maintenance procedures in the chapter and directs you to each procedure 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 step is done.

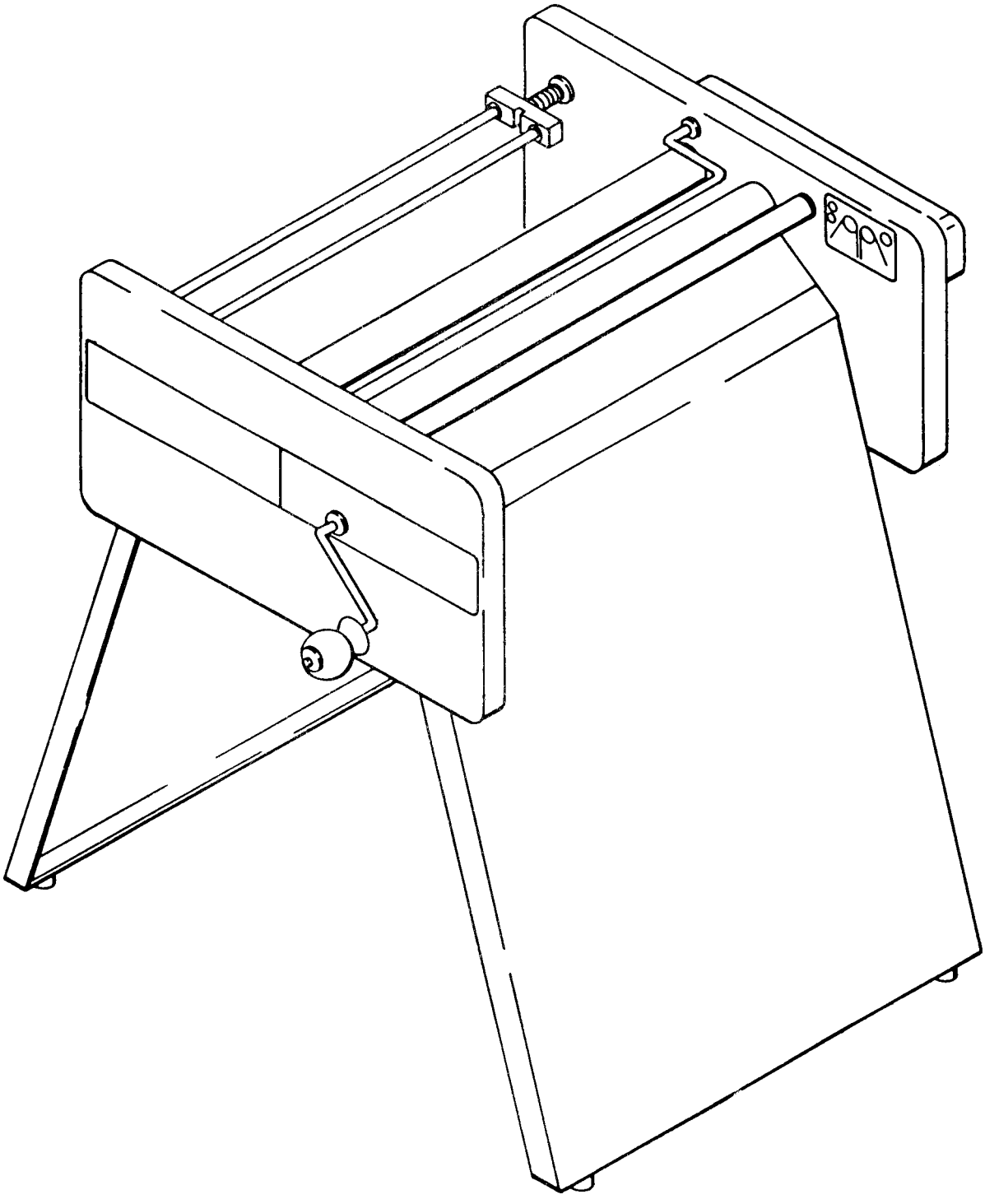


Figure 1-0. Decollator MX-10487/MYQ-4A

CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

Decollator MX-10487/MYQ-4A (fig. l-0) is used to separate unburst multipart printout paper into single parts with carbon paper removed. In the rest of this manual it will be called the decollator. Use this manual for operator's, organizational, and/or direct support maintenance of the decollator.

1-2. INDEX OF PUBLICATIONS

Refer to the latest issue of DA Form 310-1 to determine whether there are new editionsM, changes or additional publications pertaining to the decollator.

1-3. MAINTENANCE FORMS, RECORDS, AND REPORTS

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

1-4. HAND RECEIPT (-HR) MANUALS

This manual has a companion document with a TM number followed by -HR (which stands for Hand Receipt). TM 11-701O-2O9-13-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, AR31O-2: The US Army Adjutant General Publications Center, ATTN: AGLD-OD, 2800 Eastern Boulevard, Baltimore, MD 21220.

1-5. DESTRUCTION OF ARMY MATERIEL

Destruction of Army materiel to prevent enemy use shall be by mechanical methods such as crushing with sledge hammer or fire axe.

1-6. ADMINISTRATIVE STORAGE

Administrative storage of equipment issued to and used by Army activities will have Preventive Maintenance Checks and Services (PMCS) performed before storing. When removing the equipment from administrative storage, the PMCS checks should be performed to assure operational readiness. Disassembly and repacking of equipment for limited storage are covered in TM 740-90-1.

1-7. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATION; (EIR)

If your decollator 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, U. S. Army Communications and Electronics Command and Fort Monrnouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703. We'll send you a reply.

1-8. REFERENCE INFORMATION

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

1-9. 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 referenced technical manuals.

Common Name	Official Nomenclature
Decollator	Decollator MX-10487/MYQ-4A

1-10. GLOSSARY

Burst	To tear fanfold paper apart at the perforation marks.
Ply	One fold or thickness of fanfold paper. The decollator separates p-lies from carbon paper.

Section II. EQUIPMENT DESCRIPTION

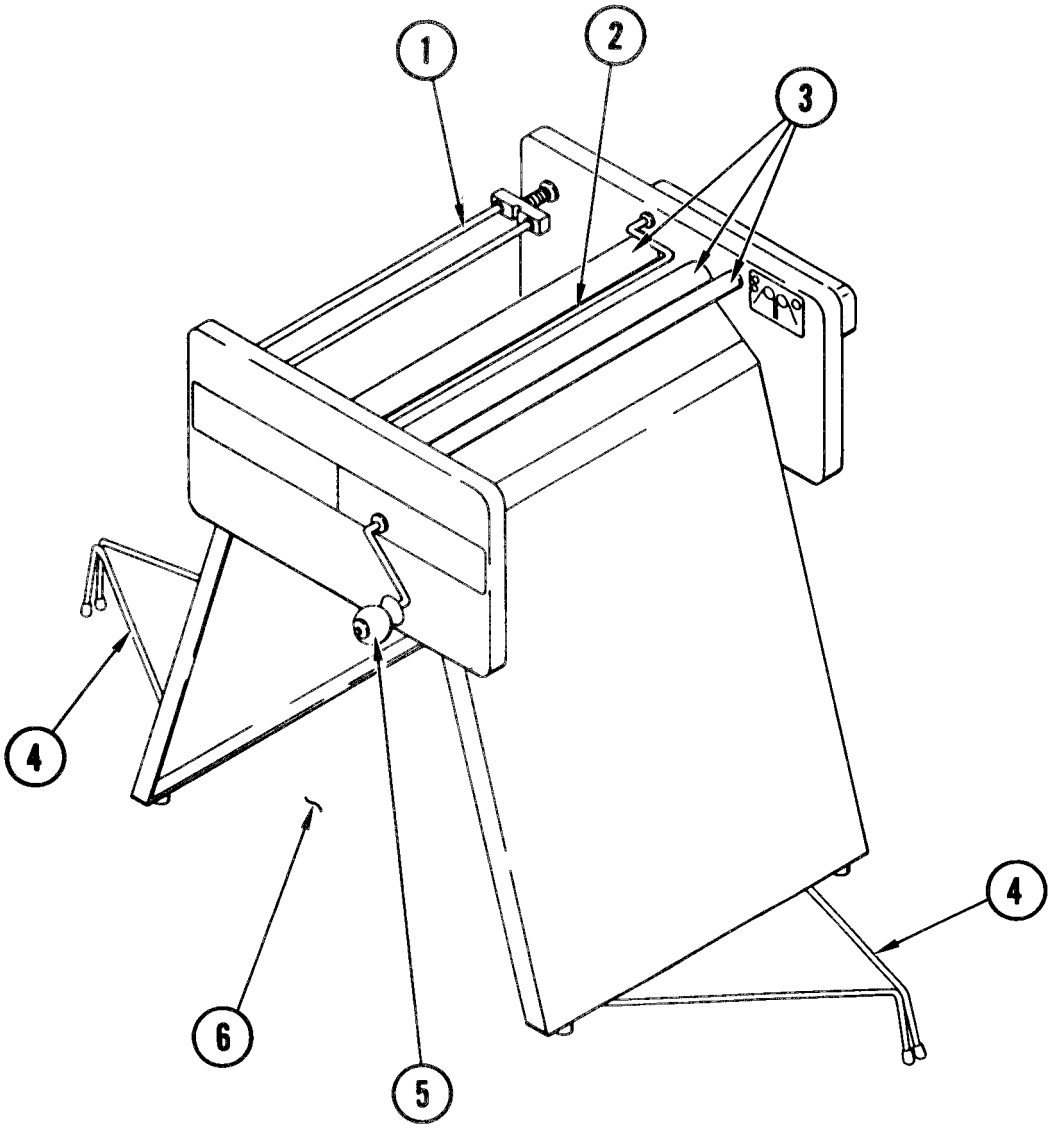
1-11 EQUIPMENT PURPOSE, CAPABILITIES AND FEATURES

The decollator separates unburst multipart printout paper into single parts with carbon paper removed. It is hand operated. It can:

- Decollate a full carton of two-part paper in five minutes
- Remove carbon paper from between plies without excessive handling by operator

1-12. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

Figure 1-1 shows and describes the major components of the decollator.



(1) Carbon Winding Fork - Collects carbon paper removed from separated plies.

(2) Carbon Tension Bar - Closes over carbon paper to separate it from other plies.

(3) Paper Rollers - Guide paper through the cycle.

(4) Stacking Supports - Automatically stack and hold paper after it is decollated.

(5) Hand Crank - Turns and feeds multipart paper into the rollers.

(6) Infeed Area - Paper is stacked here and fed up through rollers.

Figure 1-1. Major Components of Decollator

1-13. EQUIPMENT DATA

Weight and dimensions:
Weight 22.0 lb (9.9 kg)
Height 24.0 in. (60.9 cm)
Width 41.0 in. (104.1 cm)
Depth 23.8 in. (60.5 cm)

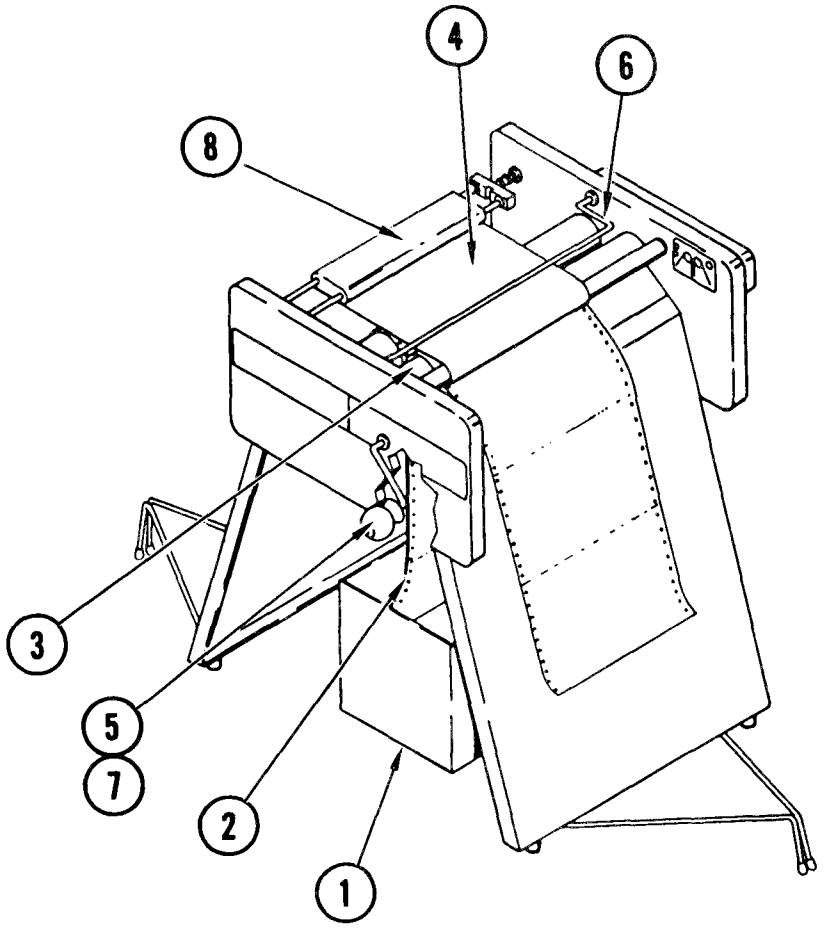
Speed
Variable to 350 ft (106.4m) per minute

Capacity
Up to one standard carton of 2 to 6 part paper per run

Section III. TECHNICAL PRINCIPLES OF OPERATION

1-14. FUNCTIONAL DESCRIPTION

Figure 1-2 describes the basic operation of the decollator.



(1) Box of multipart paper is placed in infeed area.

(2) Forms are fed up between two rollers.

(3) Parts are separated and draped over each roller.

(4) The exposed carbon is fed around the carbon roller and under the tension bar to the winding fork.

(5) The crank is turned to feed several sheets to each stacking support.

(6) The tension bar is closed over the carbon and latched.

(7) The crank is turned rapidly until the infeed box is empty.

(8) The carbon paper is removed from the winding fork and discarded.

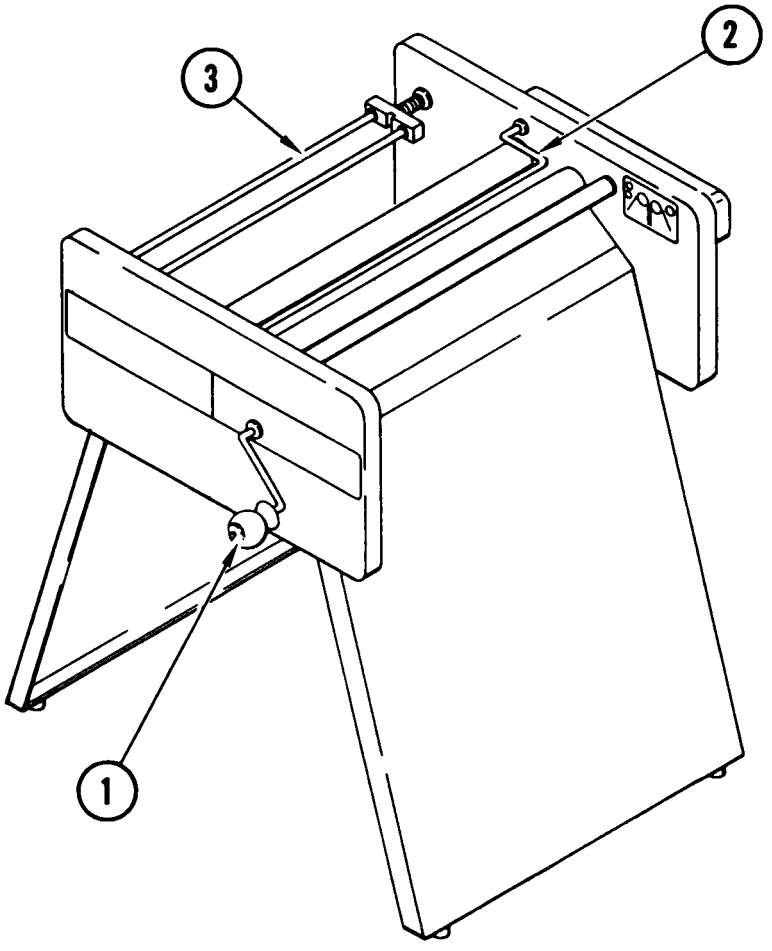
Figure 1-2. Functional Description

CHAPTER 2
OPERATING INSTRUCTIONS

Section I. ESCRIPTION AND USE OF OPERATOR'S CONTROLS

2-1. CONTROLS

The decollator is manually controlled and operated. Operator controls are identified and described in figure 2-1.



(1) Hand crank - turns clockwise to move paper through decollator.

(2) Carbon tension bar - closes over carbon paper to separate it from other plies in the multipart paper.

(3) Carbon winding fork - collects carbon paper removed from decollated plies. Removed from device to dispose of carbon paper.

Figure 2-1. Operator Controls

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 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. During operation. 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. If your equipment fails to operate. Refer to chapter 3 for troubleshooting procedures. Report any deficiency on DA Form 2404. See TM 38-750.

2-3. PMCS PROCEDURES

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. PMCS Table. 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) Item Number Column. The checks and services are numbered in chronological order. he numbers in this column shall be used in the TM Item No. column of DA Form 2404, Equipment Inspection and Maintenance Worksheet, in recording results of PMCS.

(2) Interval Column. 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) Item To Be Inspected Column. 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) Equipment Is Not Ready/Available If: Column. 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. Routine Checks. 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 A = After D = During M = Monthly

Perform monthly as well as before PMCS if:
(1) You are the assigned operator and have not operated the equipment since the last monthly.
(2) You are operating the equipment for the first time.

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

Item No.	Interval B	D	A	M	Item to be Inspected	Procedures Check for and have repaired or adjusted as necessary	Equipment is Not Ready/Available If:
1	•				Hand Crank	If your unit has a removable hand crank, check that hand crank is properly installed.	Crank is missing or cannot be installed due to stripped threads.
2	•	•			Carbon Tension Bar	Check that tension bar moves freely.	Tension bar will not move.
3			•		Carbon Winding Fork	1. Remove and dispose of carbon paper.	
						2. Using clean cloth wipe carbon smears from fork.	
						3. Replace carbon winding fork on decollator.	
						4. Check C-ring on fork shaft. It should be centered securely on shaft.	C-ring missing or damaged.
4				•	Rollers	Check rollers for carbon or paper dust buildup. Clean as follows:	
						WARNING	
						Isopropyl alcohol is flammable. Keep away from heat and open flame.	
						1. Dampen cloth with isopropyl alcohol.	
						2. With your right hand turn hand crank.	
						3. With dampened cloth in your left hand, clean all rollers.	

Section III. OPERATION UNDER USUAL CONDITIONS

2-4. ASSEMBLY AND PREPARATION FOR USE

The decollator is disassembled and boxed for transport. Therefore it requires assembly before use. Assembly and preparation for use instructions are given in paragraph 2-5.

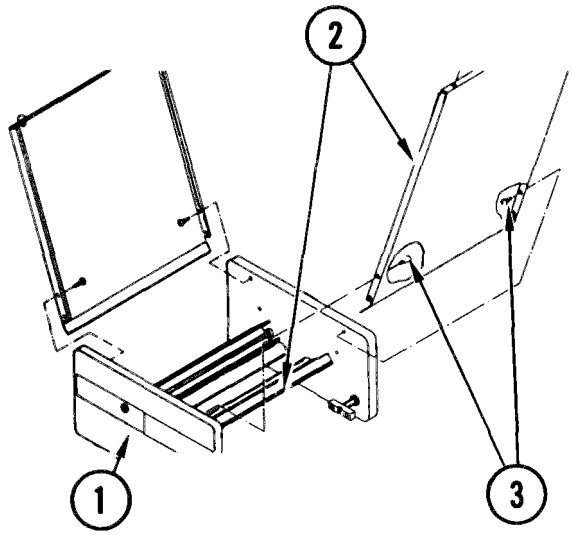
2-5. ASSEMBLE DECOLLATOR AND PREPARE FOR OPERATION

INITIAL SETUP

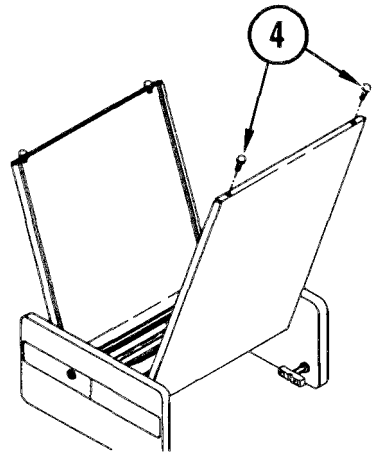
Common Tools
- Cross tip screwdriver

NOTE

Decollator is disassembled and boxed for transport. Save shipping box for repacking.

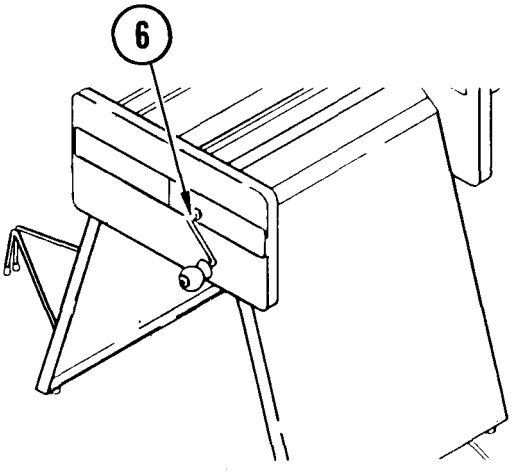


1. Place roller assembly upside down.
2. Install side panels so lip on panel engages groove in crossmember.
3. Install and tighten two screws on each side of each panel.



4. Install adjustable rubber feet at bottom corner of each side panel.
5. Set unit upright.

2-5. ASSEMBLE DECOLLATOR AND PREPARE FOR OPERATION (CONT)



NOTE

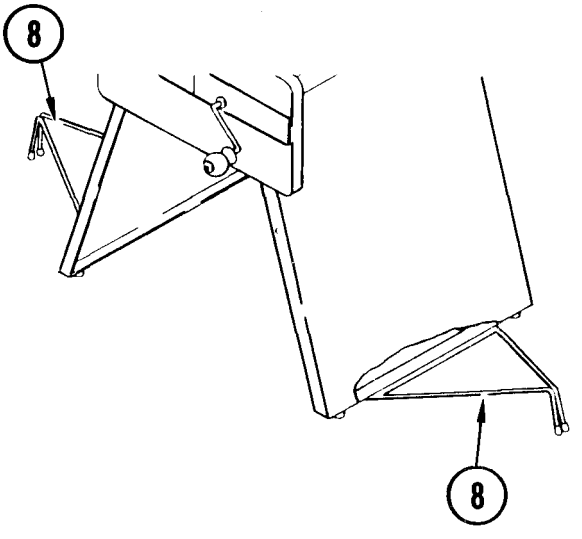
If your unit does not have a removable hand crank, go to step 7.

CAUTION

Handle will cross-thread and strip if not engaged correctly. Do not force handle if it will not screw in easily.

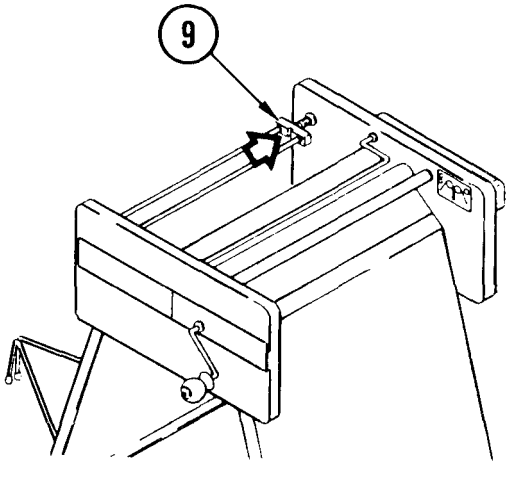
6. Engage handle threads in threaded shaft. Turn handle as shown until it fastens to shaft.

   - If threads on handle are still visible, handle is not correctly installed. Remove and repeat step 6



7. Place unit on worktable.

8. Place stacking supports so that they butt up against panels.



9. Install carbon winding fork by inserting single prong into hole and gently pushing back on spring. This permits double prong to fit into holes on opposite side.

10. Check that unit is level. Adjust rubber feet as required to level unit.

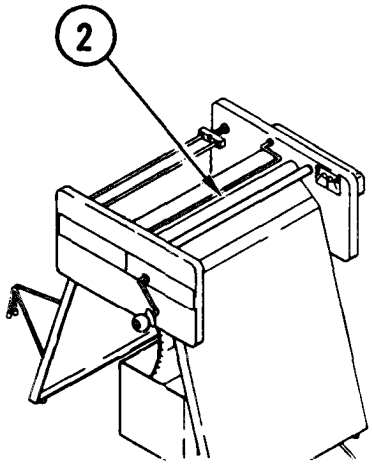
2-6. DECOLLATE MULTIPART PRINTOUT PAPER

INITIAL SETUP

Materials/Spare Parts
- Empty box from multipart paper

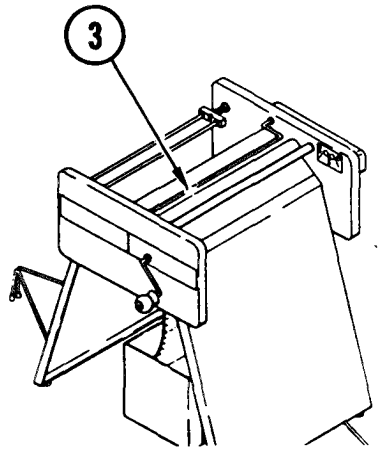
NOTE

Reports to be decollated should be stored in an empty box from multipart paper. You can use this box when you operate the decollator. The box ensures an even paper feed and will help prevent jamming.



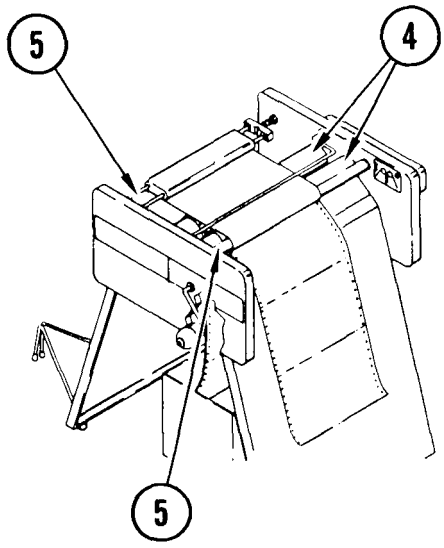
1. Place box of reports in infeed area of decollator so printed side of report when in vertical position will face hand crank.

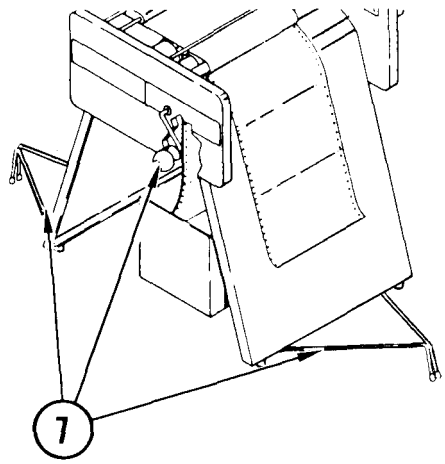
2. Raise carbon tension bar.



3. Guide paper up between two large rollers.

2-6. DECOLLATE MULTIPART PRINTOUT PAPER (CONT)





4. Drape one paper ply under the tension bar over left roller, the rest between the right rollers.

5. Feed the exposed carbon paper around the smaller roller and back under the carbon tension bar to the winding fork.

NOTE

If correctly threaded, carbon paper should be shiny side down as it meets the winding fork.

6. Feed carbon paper through middle of winding fork and lower the carbon tension bar between rollers.

7. Turn hand crank slowly until two or three sheets of paper old on each stacking support.

NOTE

Observe paper as it folds on stacking supports. The folds should bend in the same direction as they did in the original stack. If not, they will cross-fold and not stack well.

8. If folds are bending in correct direction, crank faster. Continue cranking at steady speed until report is completely decollated.

   - If folds are not bending correctly, refold them before you continue cranking

9. Remove carbon winding fork by pressing fork back against spring, to free front prongs. Dispose of carbon paper and replace carbon winding fork.

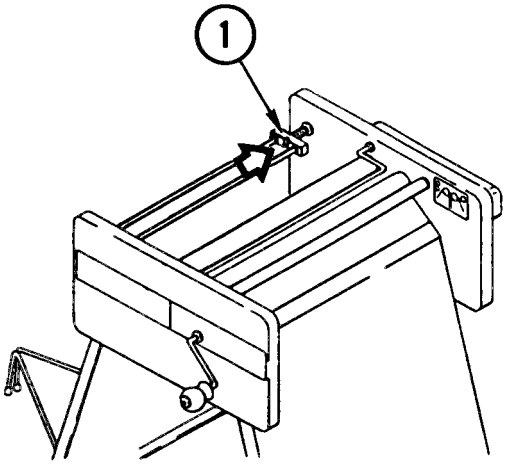
10. If you are decollating a three or more part form, place uncollated portions back in infeed box and repeat steps 1-9.

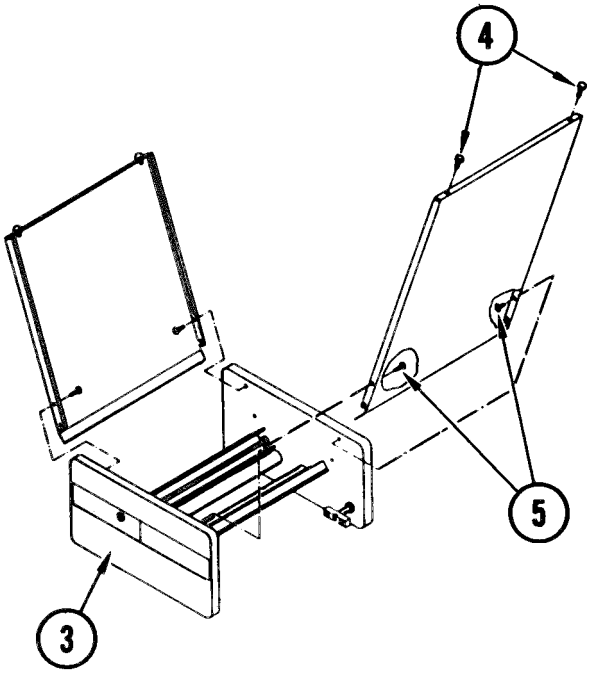
2-7. DISASSEMBLE AND PREPARE FOR TRANSPORT

INITIAL SETUP

Common Tools
- Cross tip screwdriver

Materials/Spare Parts
- Plastic bag
- Strapping tape
- Shipping box





NOTE

If decollator must be disassembled and boxed for transport, use this procedure.

1. Remove carbon winding fork by pressing back on spring freeing front prongs. Stow in shipping box.

NOTE

If your unit does not have a removable hand crank, go to step 3.

2. Hold fork drive mechanism with left hand and turn hand crank counter-clockwise to remove it from unit. Retain crank in plastic bag.

3. Place unit upside down.

4. Remove four rubber feet and store in plastic bag.

5. Remove screws from side panels and remove panels. Retain screws in plastic bag with rubber feet.

6. Place roller assembly in shipping box .

7. Place side panels together in shipping box.

8. Place parts storage bag and stacking supports in box.

9. Close box and seal with strapping tape.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS

2-8. OPERATION ON UNLEVEL WORK SURFACE

In order to operate properly, the decollator must sit on a level work surface. If field conditions are such that a work table is not available you can operate the decollator directly on the ground provided you can locate a level area.

CHAPTER 3
OPERATOR MAINTENANCE INSTRUCTIONS

Section I. LUBRICATION INSTRUCTIONS

3-1. LUBRICATION

The decollator does not require lubrication by the operator.

Section II. TROUBLESHOOTING PROCEDURES

3-2. GENERAL

Table 3-1 lists the common malfunctions which you may find during operation or maintenance of the decollator. 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

MAFUNCTION TEST OR INSPECTION CORRECTIVE ACTION
1. HAND CRANK WILL NOT TURN
Step 1. If your unit has a removable hand crank, ensure hand crank is properly installed. If not, install crank.
step 2. If your unit has a removable hand crank, verify that threads have not been stripped. If stripped, tell your supervi sor maintenance is required.
2. CARBON PAPER WINDS UNEVENLY AS HANDLE IS TURNED
Step 1. Ensure device is level. Adjust rubber feet on bottom of each panel.
Step 2. Ensure paper is centered as it passes through rollers. If not, center paper.
Step 3. Ensure carbon tension bar is secure against paper. Adjust tension bar.

CHAPTER 4
ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

Section I. REPAIR PARTS. SPECIAL TOOLS. TMDE AND SUPPORT EQUIPMENT

4-1. COMMON TOOLS AND EQUIPMENT

For authorized common tools and equipment refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.

4-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

Refer to TM 11-7010-205-23P for a complete listing and description of special tools, TMDE, and support equipment required by organizational maintenance. Also refer to Appendix B for a list of tools pertaining to the decollator.

4-3. SPARES AND REPAIR PARTS

Refer to TM 11-7010-205-23P for a complete listing and description of spares and repair parts required for maintenance of this equipment.

Section II. SERVICE UPON RECEIPT

4-4. UNPACKING

Upon receipt of new equipment, check packing list and instructions for any precautions or specific unpacking procedures.

4-5. CHECKING UNPACKED EQUIPMENT

Inspect the equipment for damage incurred during shipment. If the equipment has been damaged, report the damage on SF 364, Discrepancy in Shipment Report.

Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in accordance with the instructions of TM 38-750.

Check the equipment to ensure that required Modification Work Orders have been applied in accordance with DA PAM 310-1.

Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

4-6. GENERAL

Organizational maintenance PMCS is the required inspection and care of the equipment necessary to keep it in good operating condition. Routine checks such as equipment inventory, cleaning, dusting, checking for worn parts, storing items not in use, and checking for loose screws 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 operators reported problems with this item.

4-7. PMCS PROCEDURES

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

4-8. ITEM NUMBER COLUMN

The checks/services in the PMCS table are numbered in order of performance. Use this ITEM number when filling out DA Form 2404 (Equipment Inspection and Maintenance Worksheet).

4-9. ITEM TO BE INSPECTED COLUMN

The items listed in this column are based on the major components of the equipment and use common names of these components.

4-10. PROCEDURE COLUMN

This column gives you the check or service procedure which you must perform on the item.

4-11. EQUIPMENT WILL BE REPORTED NOT READY/AVAILABLE IF COLUMN

This column tells you under what conditions the equipment will be unable to perform its primary mission. When you notice this condition during PMCS, you must report it on the proper form and tell your supervisor.

Table 4-1. Organizational Preventive Maintenance Checks and Services Semiannual Schedule

Item No.	Item To Be Inspected	Procedures	Equipment Will Be Reported Not Ready/ Available If:
1	Belt	Remove cover. Check belt for abnormal wear, cracks, or broken teeth.	Belt broken or badly worn.

CHAPTER 5
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

Section I. REPAIR PARTS, SPECIAL TOOLS, TMDE AND SUPPORT EQUIPMENT

5-1. COMMON TOOLS AND EQUIPMENT

For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.

5-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

Refer to TM 11-7010-205-23P for a complete listing and description of special tools, TMDE, and support equipment required by direct support maintenance. Also refer to appendix B for a list of tools pertaining to the decollator.

5-3. SPARES AND REPAIR PARTS

Refer to TM 11-7010-205-23P for a complete listing and description of spares and repair parts required for direct support maintenance of this equipment.

Section II. MAINTENANCE PROCEDURES

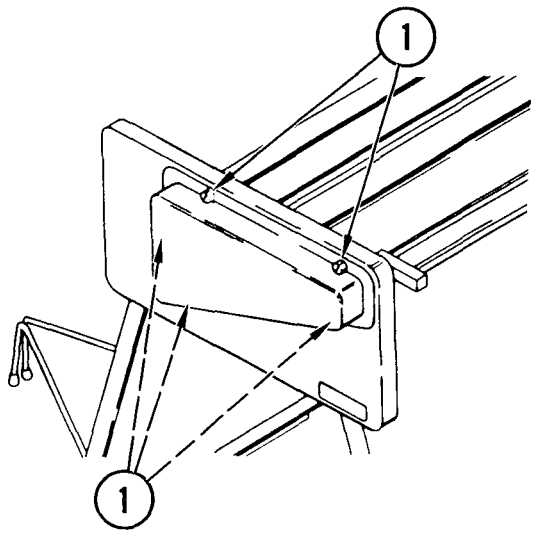
5-4. MAINTENANCE PROCEDURES

Before you start a corrective maintenance procedure, you should gather all the items or help listed in the initial setup box for that procedure. Read the procedure carefully and do only what each step tells you to do.

5-5. REMOVE/REPLACE BELT

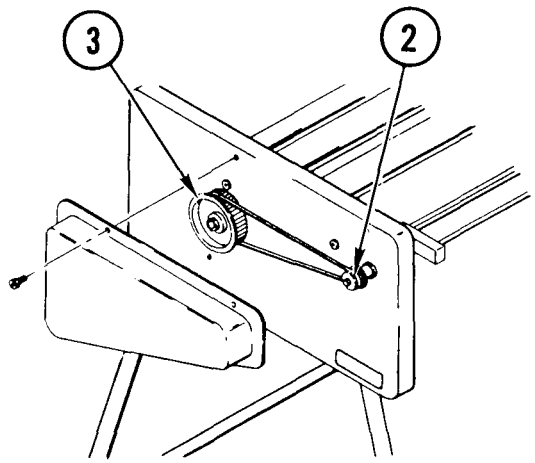
INITIAL SETUP

Common Tools
- Tool kit



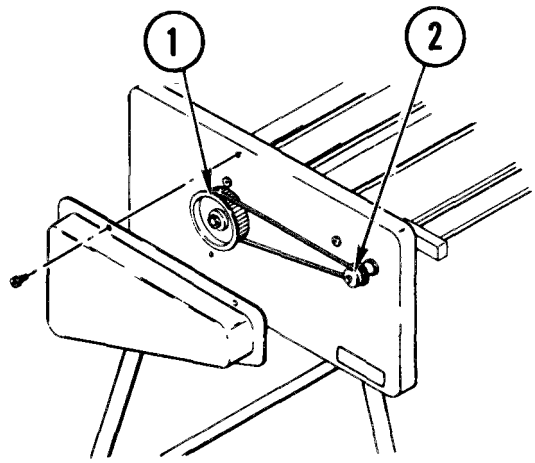
Remove

1. Remove five screws from cover of decollator. Remove cover.



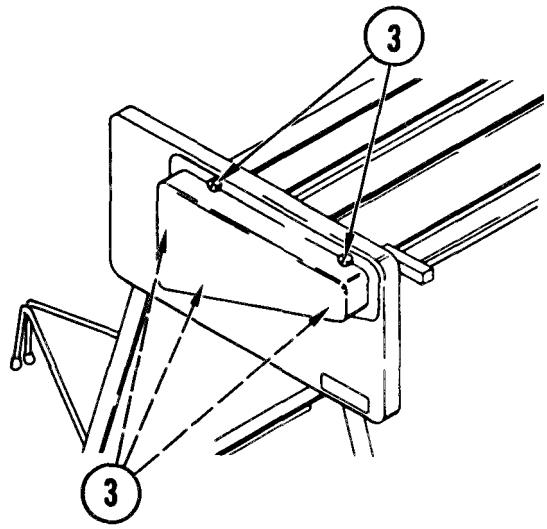
2. Remove belt from small pull ey by carefully easing it toward you.
3. Remove belt from large pull ey.

5-5. REMOVE/REPLACE BELT (CONT)



Replace

1. Place new belt around large pulley.
2. Pull gently but firmly forward on belt and place it on second pulley. Push on belt until it is centered on pulley.



3. Replace cover and five screws.

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 . . . . . DA Form 2404

Packaging Improvement Report . . . . . DD Form 6

Quality Deficiency Report . . . . . Form SF 368

Recomended Changes to Equipment Technical Manuals . . . . . DA Form 2028-2

Reconmmended Changes to Publications and Blank Forms . . . . . DA Form 2028

Maintenance Request . . . . . DA Form 2407

A-3. TECHNICAL MANUALS

The Army Maintenance Management System (TAMMS) . . . . . TM 38-750

Administrative Storage of Equipment . . . . . TM 740-90-1

A-4. MISCELLANEOUS PUBLICATIONS

Consolidated Index of Army Publications and Blank Forms . . . . . DA PAM 310-1

U.S. Army Index of Modification Work Order . . . . . DA PAM 310-7

Painting and Preservation Supplies Available for Field Use for Electronic Command Equipment . . . . . SB 11-573

Preservation, Packaging and Marking Materials, Supplies and Equipment Used by the Army SB-38-100

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 decollator 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 equipment in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged BII must be with the equipment during operation and whenever t is transferred between property accounts. The illustrations will assist you with hard-to-identify items. This manual is your authority to request/requi sition 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 items 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 Measure (U/M). Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviations (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 decollator.

C-2. GENERAL

This list. identifies i tems that do not have to accompany the deco" later 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. These codes are identified as:

Code	Used On

Section II. ADDITIONAL AUTHORIZATION LIST

(Not applicable)

APPENDIX D
EXPENDABLE SUPPLIES AND MATERIALS LIST

Section I. GENERAL INFORMATION

D-1. INTRODUCTION

This appendix lists expendable supplies and materials you will need to operate and maintain the decollator. These items are authorized to you by CTA 50-970, Expendable Items.

D-2. EXPLANATION OF COLUMNS

a. ITEM NO. This number is referenced in the narrative instructions to identify the material (for example, "Use cleaning compound, Item 3, App. C")

b. LEVEL. Shows the lowest level of maintenance that needs the listed item.

Enter as applicable:

C -- Crew/Operator
K -- Organizational Maintenance
F -- Direct Support Maintenance
H -- General Support Maintenance

c. NATIONAL STOCK NUMBER. Shows the National Stock Number assigned to each item and used to requisition that item.

d. DESCRIPTION. Shows the National Item Name and (if required) a short description to identify and locate the item. The last line for each item shows the Federal Supply Code for Manufacturers (FSCM) in parentheses, followed by the part number.

e. UNIT OF MEASURE (U/M). Shows the measure of the item needed to perform the actual operational/maintenance function. This measure is shown by a two-letter abbreviation (for example, EA, OZ, IN).

Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST

NATIONAL STOCK NUMBER	DESCRIPTION (FSCM) AND PART NUMBER	USABLE ON CODE	U/M	QTY REQD
3305-00-222-2423	Cloth, Lint-free		YD	
6810-00-753-4993	Alcohol, Isopropyl 81348 TT 1735		PT	

APPENDIX E

MAINTENANCE ALLOCATION CHART

Section I. GENERAL INFORMATION

E-1. INTRODUCTION

This Maintenance Allocation Chart (MAC) provides a summary of maintenance operations for the decollator MX-10487/MYQ-4A. This document assigns categories of maintenance for specific maintenance functions on repairable items and identifies tools and equipment required to perform each function. Each maintenance function is assigned to the lowest level of maintenance prepared to perform that function. It should be understood that each maintenance function can also be performed at all higher levels of maintenance. The higher levels of maintenance will have tools and test equipment to perform the maintenance functions assi gned to and normally performed by lower levels of maintenance.

E-2. MAINTENANCE FUNCTION DEFINITIONS

Maintenance Functions are limited to and defined as foll ows:

a. Inspect. Determination of the serviceability of an item by comparing it physical, mechanical, and/or electrical characteristics with established standards through examination.

b. Test. Verification of serviceability and detection of beginning failure by measuring mechanical characteristics of an item and comparing those characteristics with prescribed standards.

c. Service. Performance of operations required periodically to keep an item in proper operating condition. Such operations would include cleaning preservation, draining, painting, or replenishment of fuel/lubricants/hydraulic fluids or compressed air supplies.

d. Adjust. Maintenance within prescribed limits by bringing into proper or exact position, or by setting the operating characteristics to the specified parameters.

e. Aline. Adjustment of specified variable elements of an item to the maximum or desirer performance.

f. Calibrate. Adjustment to instruments or test measuring the diagnostic equipment used to precision measurement. Consists of comparing two instruments, one a certified standard of known accuracy, to detect or adjust any discrepancy in the accuracy of the instrument being compared.

g. **Install.** Emplacement, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow proper functioning of the equipment/system.

h. **Replace.** Substitution of a serviceable like-type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

i. **Repair.** Application of maintenance services (inspect, test, service, adjust, aline, calibrate, replace) or other maintenance actions (welding, grinding, riveting, straightening, facing, remachining, or resurfacing) to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module/component/assembly, end item or system. This function does not. include trial and error replacement of consumable spare type items such as fuses, lamps, or electronic tubes.

j. **Overhaul.** Periodic maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (e.g., DWR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like-new condition.

k. **Rebuild.** Restoration of unserviceable equipment to a like-new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hour, miles etc.) considered in classifying Army equipment/components.

E-3. EXPLANATION OF MAC COLUMN ENTRIES

a. **Group Number.** This column lists group numbers, the purpose of which is to identify components, assemblies, subassemblies and modules with the next highest assembly.

b. **Component/Assembly.** This column contains the noun names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

c. **Maintenance Function.** This column lists the functions to be performed on the item listed in the Component/Assembly column.

d. **Maintenance Category.** This column specifies, by the listing of a “worktime” figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in the Maintenance Function column. This figure represents the active time required to perform that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function varies at different maintenance categories, appropriate “worktime” figures will be shown for each category. The number of man-hours specified by the “worktime” figure represents the average time required to restore an item (assembly, subassembly, component, module, end item or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC.

Subcolumns of the Maintenance Category Column are:

C -- Operation/Crew
O -- Organizational
F -- Direct Support
H -- General Support
D -- Depot

e. Tools and Equipment. This column specifies by code those common tool sets (not individual tools) and special tools, test, and supporting equipment required to perform the designated function.

E-4. EXPLANATION OF SECTION III COLUMN ENTIRES

a. Tool or Test Equipment Reference Code. The numbers in this column coincide with the numbers used in he tools and equipment column of the MAC. The numbers indicate the applicable tool or test equipment for the maintenance functions.

b. Maintenance Category. The codes in this column indicate the maintenance category allocated the tool or test equipment.

c. Nomenclature. This column lists the noun name and nomenclature of tools and test equipment required to perform the maintenance functions.

d. National/NATO Stock Number. This column presents the National/NATO stock number of the specific tool or test equipment when these numbers are assigned.

e. Tool Number. This column lists the manufacturer's part number of the tool followed by the federal supply code for the manufacturer (5 digit) in parentheses, when these numbers are fully identified.

E-5. EXPLANATION OF SECTION IV COLUMN ENTRIES

a. Reference Code. The letters in this column coincide with the letters used in column 6 of the Maintenance Allocation Chart.

b. Remarks. This column lists the remarks which correspond with the reference code letters.

SECTION II.

MAINTENANCE ALLOCATION CHART
(DARCOM-P 750-16)

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY C		F	H	D	(5) TOOLS AND EQPT.	(6) REMARKS
34	DE COLLATOR	REPAIR	.0	.0	.1	.0	.0	0001	
		OVERHAUL	.0	.0	.0	.0	1.0		A

Section III.

END ITEM: MX-10487/MYQ-4A

TOOL AND TEST EQUIPMENT REQUIREMENTS
(DARCOM-P 750-16)

TOOL OR TEST EQUIPMENT REFERENCE CODE	MAINTENANCE CATAGORY	NOMENCLATURE	NATIONAL/NATO STOCK NUMBER	TOOL NUMBER
0001	F	TOOL KIT ELECTRONIC	5180-01-023-4982	JTK-17LMLD

SECTION IV MAINTENANCE ALLOCATION CHART FOR DECOLLATOR MX-10487/MYQ-4A

Reference Code	Remarks
A.	Overhaul by Contractor

INDEX

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)
Commander
Stateside Army Depot
ATTN: AMSTA-US
Stateside, N.J. 07703

DATE SENT
10 July 1975

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 11-5840-340-12	23 Jan 74	Radar Set AN/PRC-76

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO	IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
2-25	2-28			Recommend that the installation antenna alignment procedure be changed throughout to specify a 2^{o} IFF antenna lag rather than 1^{o}. REASON: Experience has shown that with only a 1^{o} lag, the antenna servo system is too sensitive to wind gusting in excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2^{o} without degradation of operation.
3-10	3-3		3-1	Item 5, Function column. Change "2 db" to "3db." REASON: The adjustment procedure the the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.
5-6	5-8			Add new step f.1 to read, "Replace cover plate removed in step e.1, above." REASON: To replace the cover plate.
		FO3		Zone C 3. On J1-2, change "+24 VDC to "+5 VDC." REASON: This is the output line of the 5 VDC power supply. +24 VDC is the input voltage.

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER
SSG I. M. DeSpiritof 999-1776

SIGN HERE
I. M. DeSpiritof

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