

TM 11-5895-687-20P

**TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR**

INTERROGATOR SET AN/TPX-50 (NSN 5895-00-782-5296)

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1977

TECHNICAL MANUAL }
 NO. 11-5895-687-20P }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 19 Jul 1977

ORGANIZATIONAL MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS LISTS
 F O R

INTERROGATOR SET AN/TPX-50 (NSN 5895-00-782-5296)
 Current as of 20 April 1977

REPORTING OF ERRORS

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SECTION I INTRODUCTION

1. Scope

This manual lists repair parts required for performance of organizational maintenance of the AN/TPX-50.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tool List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in ascending numerical sequence, of all National stock numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

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

a. Illustration. This column is divided as follows

(1) *Figure number.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item number.* The number used to identify each item called out in the illustration.

b. Source, Maintenance, and Recoverability Codes (SMR).

(1) *Source code.* Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

| <i>Code</i> | <i>Definition</i> |
|-------------|--|
| PA | Item procured and stocked for anticipated or known usage. |
| PD | Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment. |

PD—Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.

NOTE

Cannibalization or salvage may be used as a

source of supply for any items source coded above except three coded XA, XD, and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows

(a) *The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate the following level of maintenance:*

| <i>Code</i> | <i>Application/Explanation</i> |
|-------------|---|
| 0 | Support item is removed, replaced, used at the organizational level. |
| F | The lowest maintenance level capable of complete repair of the support item is the direct support level. |
| D | The lowest maintenance level capable of complete repair of the support item is the depot level, performed by depot. |
| Z | Nonreparable. No repair is authorized. |

0—Support item is removed, replaced, used at the organizational level.

(b) *The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:*

| <i>Code</i> | <i>Application/Explanation</i> |
|-------------|---|
| F | The lowest maintenance level capable of complete repair of the support item is the direct support level. |
| D | The lowest maintenance level capable of complete repair of the support item is the depot level, performed by depot. |
| Z | Nonreparable. No repair is authorized. |

F—The lowest maintenance level capable of complete repair of the support item is the direct support level.

D—The lowest maintenance level capable of complete repair of the support item is the depot level, performed by depot.

Z—Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

| <i>Recoverability Codes</i> | <i>Definition</i> |
|-----------------------------|---|
| Z | Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3. |
| F | Reparable item. When uneconomically repairable, condemn and dispose at the direct support level. |
| D | Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level. |
| L | Reparable item. Repair, condemnation, and disposal not authorized below depot/specializes repair activity level. |

Z—Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

F—Reparable item. When uneconomically repairable, condemn and dispose at the direct support level.

D—Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

L—Reparable item. Repair, condemnation, and disposal not authorized below depot/specializes repair activity level.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for

requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specification standards, and inspection requirements, to identify an item or range of items.

NOTE

When a stock-numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

Federal Supply Code for Manufacturer (FSCM)

The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc.). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, (e.g., shims, spacers, etc.).

4. Special Information

a. The following publication pertains to the AN/TPX-50 and its components

TM 11-5895-687-12, Interrogator Set AN/TPX-50.

b. The illustrations in this manual are identical to those published in TM 11-5895-687-34P-1, TM 11-5895-887-34P-2, TM 11-5895-687-34P-3, and TM 11-5895-687-34P-4. Only those parts assigned

the third position SMR maintenance code "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

c. National stock numbers (NSN's) that are missing from P source-coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Electronics Command, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown:

(1) *First.* Using the table of contents, determine the functional group or subgroup within which the repair part belongs. This is necessary since illustrations are prepared for functional groups or subgroups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering functional group or subgroup to which the repair part belongs.

(3) *Third.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known:

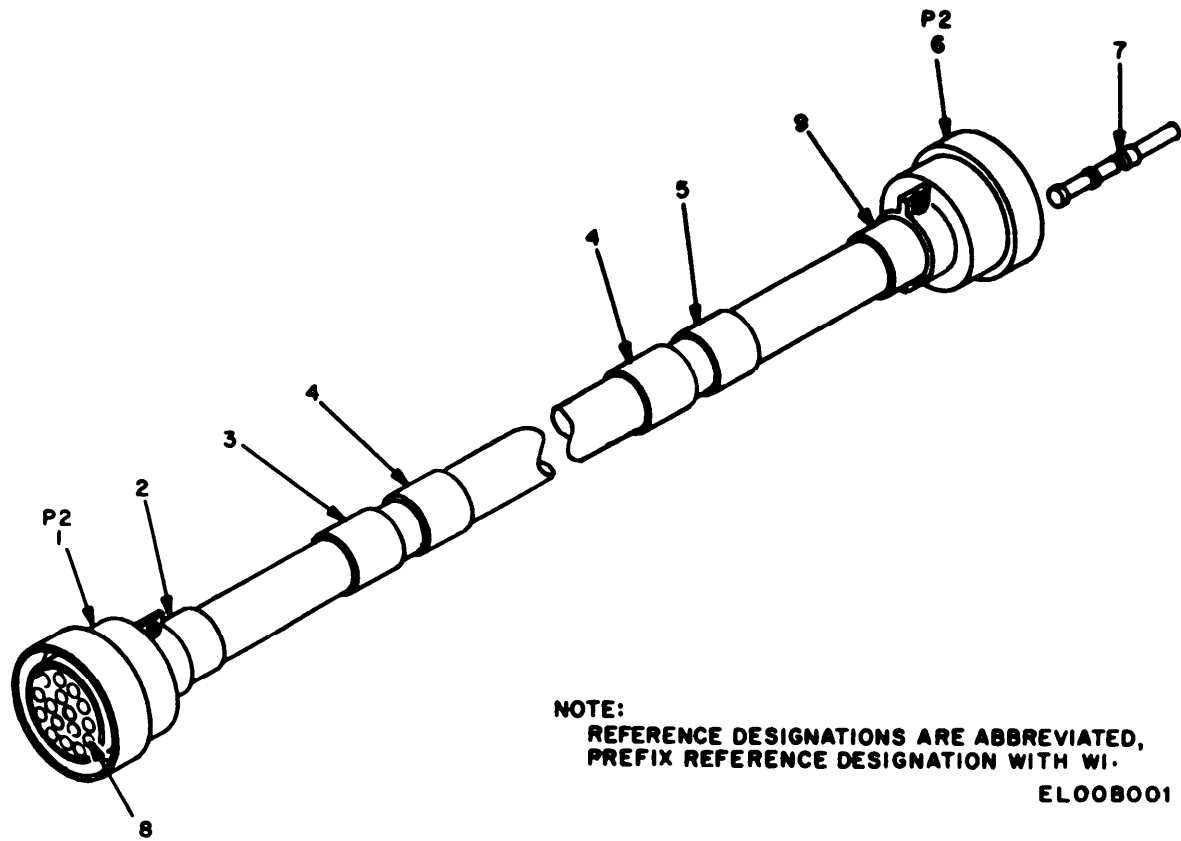
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in ascending NSN sequence, followed by a list of part numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

(Not applicable.)

(Next printed page is 4.)



NOTE:
REFERENCE DESIGNATIONS ARE ABBREVIATED,
PREFIX REFERENCE DESIGNATION WITH WI.
E00B001

Figure 1. Cable Assembly, Special, Electrical CX-10876/U.

| SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO NO | | (2) SMR CODE | (3) NATIONAL STOCK NUMBER | (4) PART NUMBER | (5) FSCM | TM11-5895-687-20P (6) DESCRIPTION | USABLE ON CODE | (7) U/M | (8) QTY INC IN UNIT |
|---|---|--------------------|------------------------------------|-----------------------|-------------|--|----------------|------------|---------------------------------|
| GROUP: 00 INTERROGATER SET AN/TPX-50 | | | | | | | | | |
| 1 | | PAODZ | 5995-00-136-4980 | SMB679388 | 80063 | CABLE ASSEMBLY,SPECIAL PURPOSE,ELECTRICAL CX-10876/U | | EA | 1 |
| 1 | 2 | PAOZZ | 5970-00-828-3451 | 202A163-3 | 06090 | CAP,PROTECTIVE,DUST AND MOISTURE SEAL | | EA | 1 |
| 1 | 9 | PAOZZ | 5970-00-904-2491 | 222A174-3 | 06090 | CAP,PROTECTIVE,DUST AND MOISTURE SEAL | | EA | 1 |

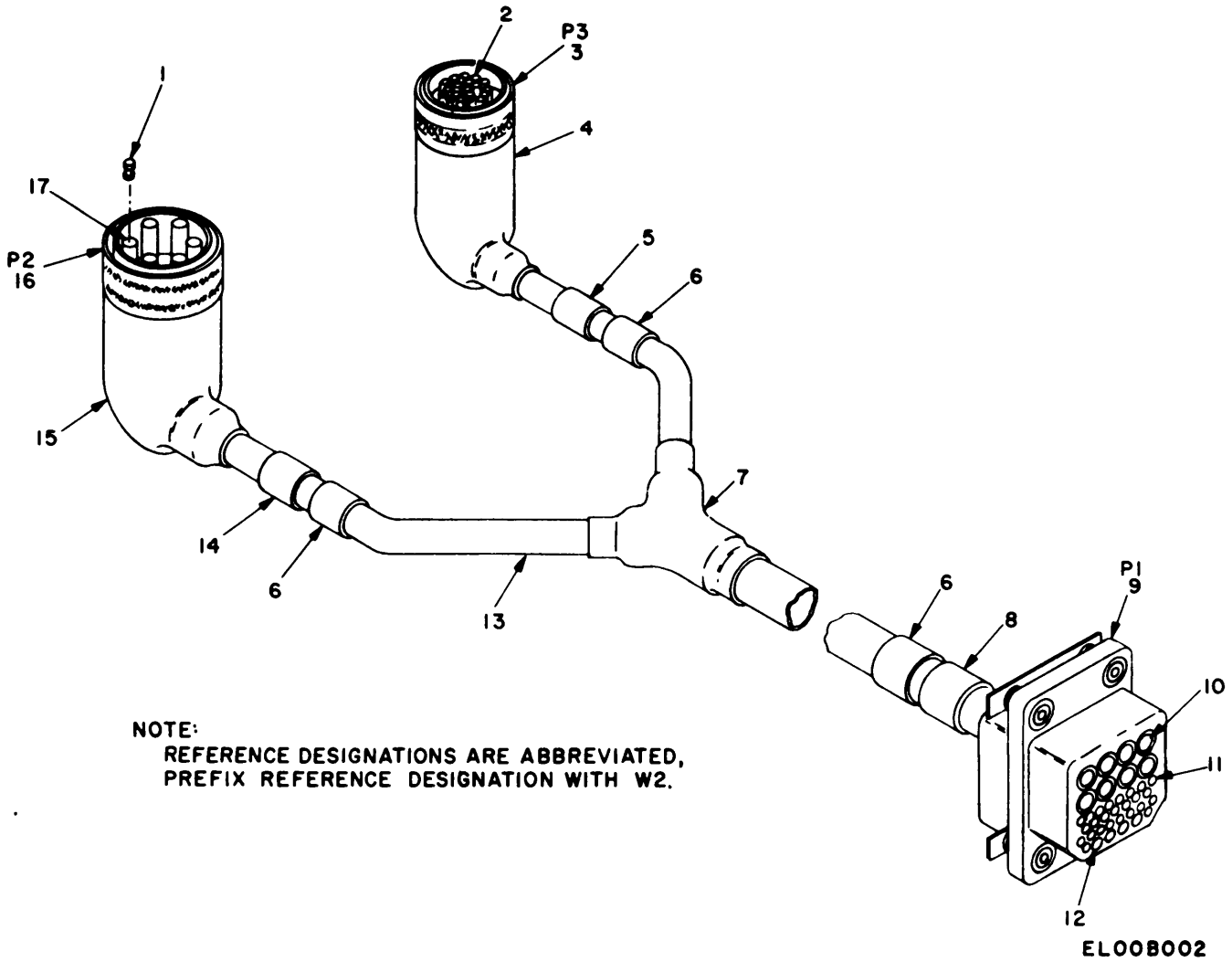


Figure 2. Cable Assembly, Special Purpose, Electrical, Branched CX-10878/TPX-50.

| SECTION II | | TM11-5895-687-20P | | | | | | |
|--------------|------|-------------------|------------------|-----------|-------------|---|------|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| ILLUSTRATION | | | | | DESCRIPTION | | QTY | |
| (A) | (B) | SMR | NATIONAL | PART | | | INC | |
| FIG | ITEM | CODE | STOCK | NUMBER | FSCM | USABLE ON CODE | U/M | |
| NO | NO | | NUMBER | | | | UNIT | |
| 2 | | PAODD | 5995-00-132-3321 | SMC679298 | 80063 | CX-10878/TPX-50CABLE ASSEMBLY CX-10878/TPX-50 | EA | 1 |

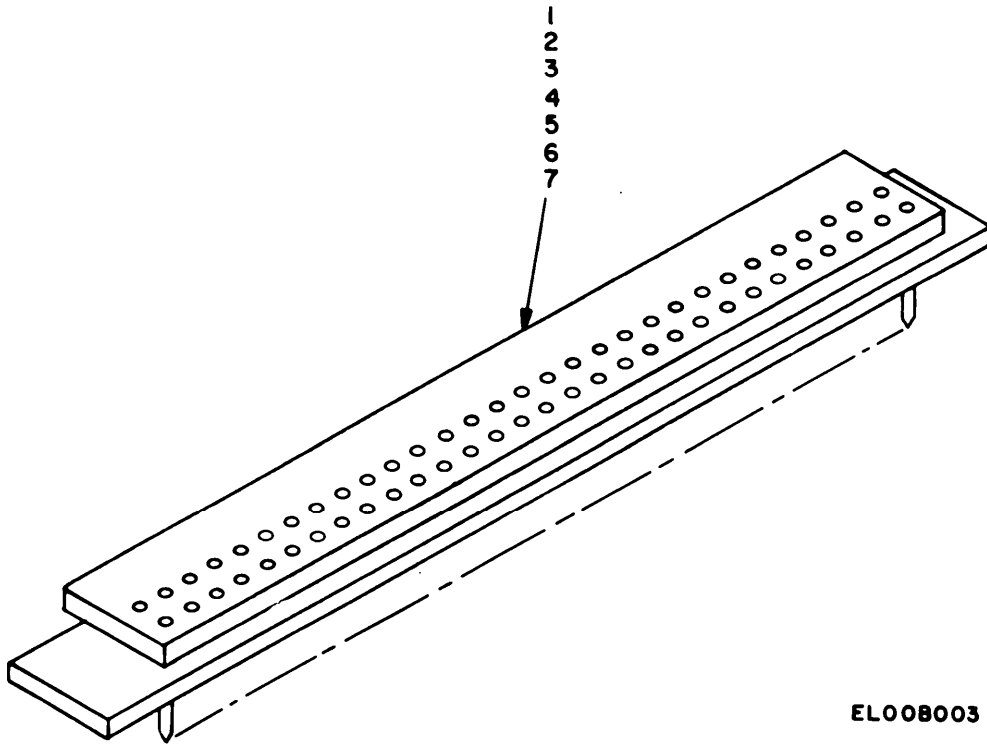


Figure 3. Programmer Kit MK-1161/TPX-50.

| SECTION II | | TM11-5895-687-20P | | | | | | |
|--------------|------|-------------------|------------------|-----------|-------------|--------------------------------|------|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| ILLUSTRATION | | | | | | | | |
| (A) | (B) | | | | DESCRIPTION | | QTY | |
| FIG | ITEM | SMR | NATIONAL | PART | | USABLE ON CODE | INC | |
| NO | NO | CODE | STOCK | NUMBER | FSCM | | IN | |
| | | | NUMBER | | | | UNIT | |
| 3 | 1 | PDOFF | 5895-00-133-1193 | SMB679374 | 80063 | MK-1161/TPX-50, PROGRAMMER KIT | EA | 1 |
| 3 | 2 | PAOZZ | 5895-00-410-2423 | SMC680134 | 80063 | PROGRAM CONNECTOR | EA | 1 |
| 3 | 3 | PAOZZ | 5895-00-410-2425 | SMB679374 | 80063 | PROGRAM CONNECTOR | EA | 1 |
| 3 | 4 | PAOZZ | 5895-00-410-2421 | SMC680136 | 80063 | PROGRAM CONNECTOR | EA | 1 |
| 3 | 5 | PAOZZ | 5895-00-410-2420 | SMC680137 | 80063 | PROGRAM CONNECTOR | EA | 1 |
| 3 | 6 | PAOZZ | 5895-00-410-2419 | SMC680138 | 80063 | PROGRAM CONNECTOR | EA | 1 |
| 3 | 7 | PAOZZ | 5895-00-410-2422 | SMC680135 | 80063 | PROGRAM CONNECTOR | EA | 1 |

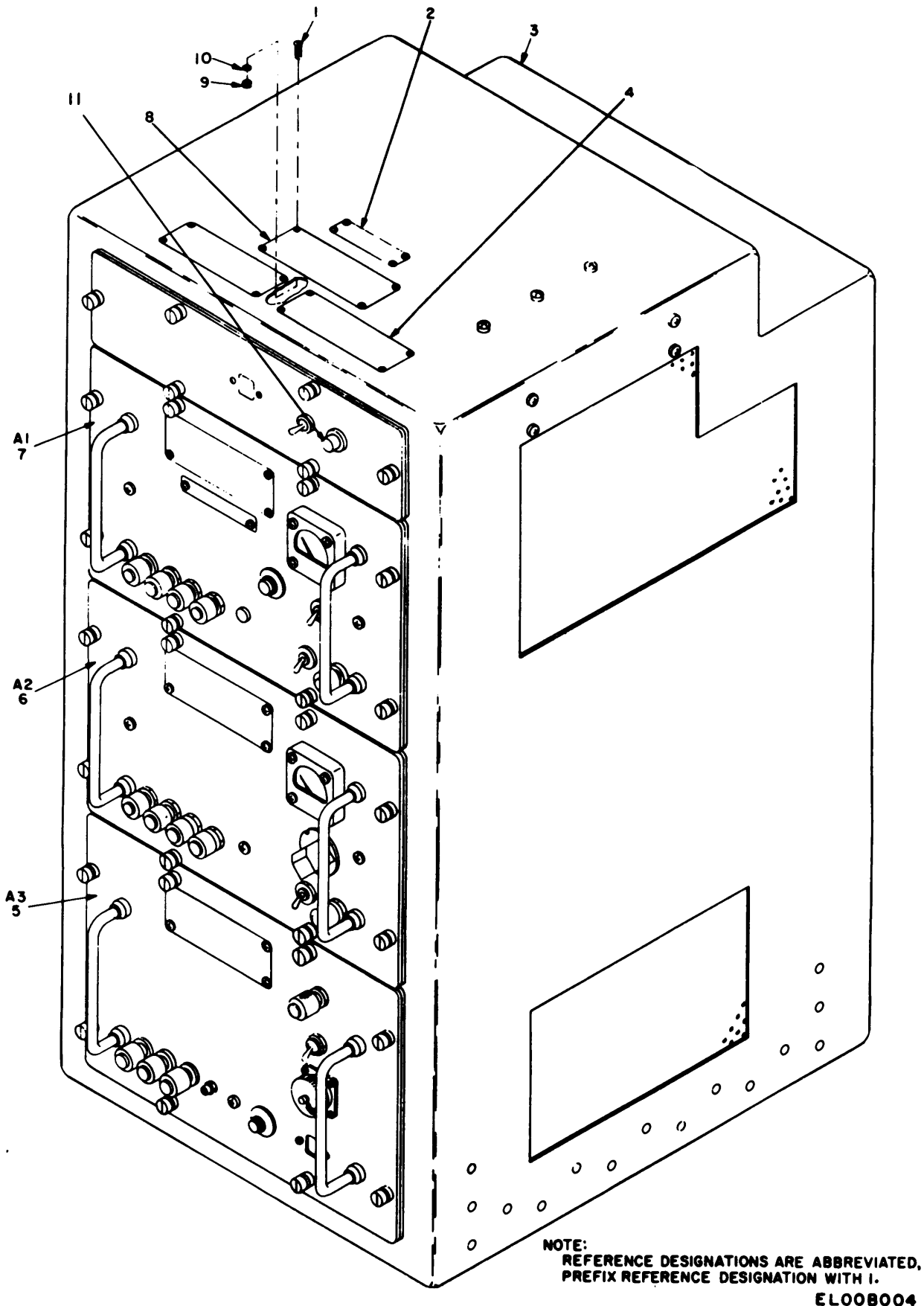
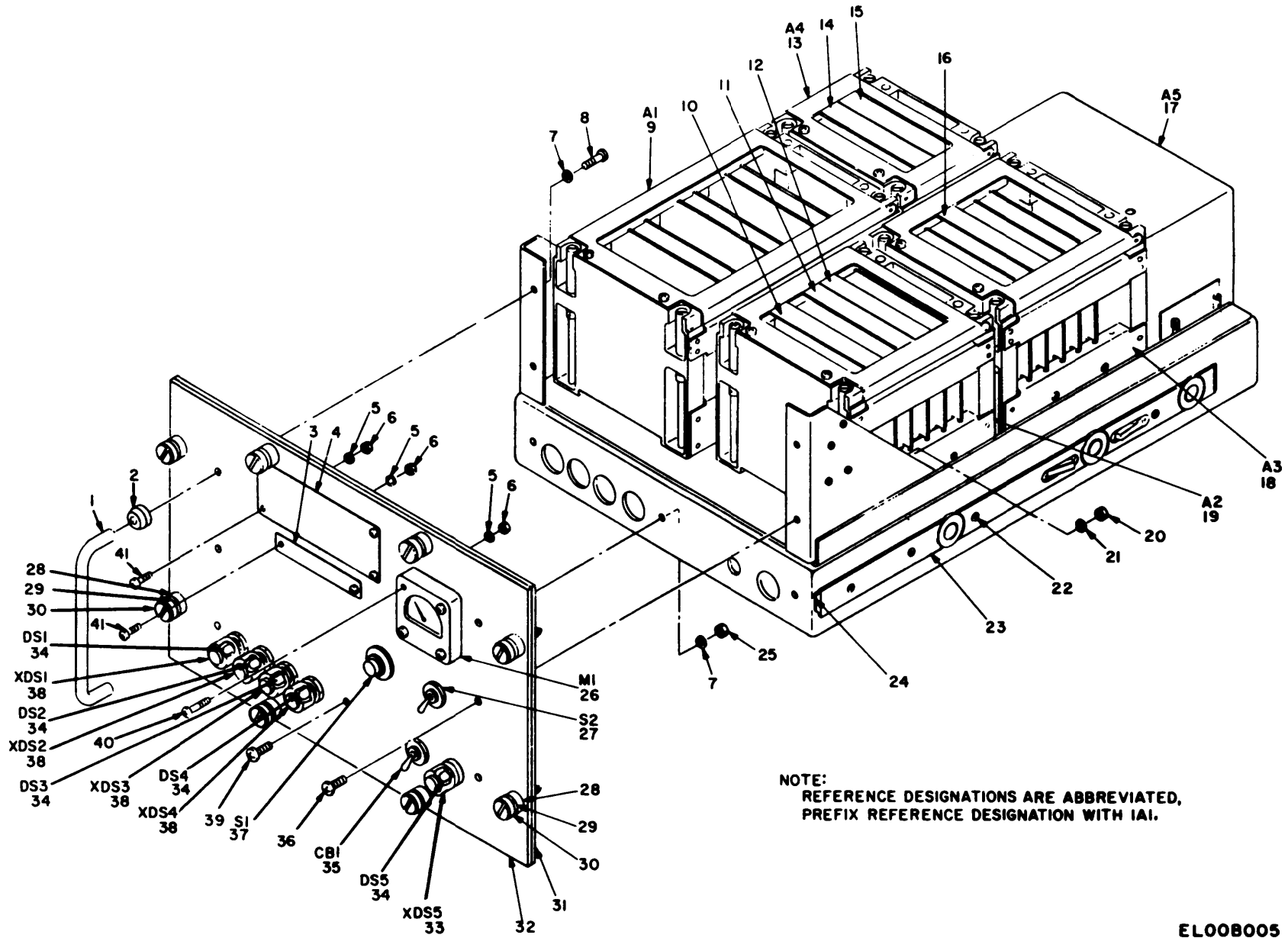


Figure 4. Interrogator Set Group OX-8/TPX-60.

| SECTION II | | | | | | TM11-5895-687-20P | | | |
|--------------|------|----------|------------------|-----------|--|-------------------|-----|------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | | |
| ILLUSTRATION | | | | | | | QTY | | |
| (A) | (B) | NATIONAL | | | DESCRIPTION | | INC | | |
| FIG | ITEM | STOCK | PART | FSCM | | USABLE ON CODE | U/M | IN | |
| NO | NO | CODE | NUMBER | | | | | UNIT | |
| | | | | | GROUP: 01 INTERROGATOR SET GROUP | | | | |
| | | | | | OX-8/TPX-50 | | | | |
| 4 | | PDODD | 5895-00-130-5817 | SME679363 | 80063 INTERROGATOR SET GROUP OX-8/TPX-50 | | EA | 1 | |
| 4 | 3 | PDODD | 5895-00-129-6066 | SME679362 | 80063 CABINET, INTERROGATOR SET GROUP CY-6442/TPX-50 | | EA | 1 | |
| 4 | 5 | PDODD | 5895-00-130-5815 | SMD679393 | 80063 RECEIVER-TRANSMITTER, RADIO RT-903/TPX-50 | | EA | 1 | |
| 4 | 6 | PDODD | 5895-00-130-5814 | SME679364 | 80063 SYNCHRONIZER, ELECTRICAL SN-421/TPX-50 | | EA | 1 | |
| 4 | 7 | PDODD | 5895-00-135-9106 | SME679365 | 80063 SIGNAL PROCESSOR CP-936/TPX-50 | | EA | 1 | |
| 4 | 11 | PAOZZ | 6240-00-763-7744 | CM387 | 71744 LAMP, INCANDESCENT | | EA | 1 | |



NOTE:
 REFERENCE DESIGNATIONS ARE ABBREVIATED,
 PREFIX REFERENCE DESIGNATION WITH IAI.

ELO08005

Figure 5. Signal Processor CP936/TPX-50.

| SECTION II | | TM11-5895-687-20P | | | | | | |
|------------------------------|------|-------------------|------------------|-----------|-------------|----------------|------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| ILLUSTRATION | | | | | DESCRIPTION | | QTY | |
| (A) | (B) | NATIONAL | PART | FSCM | | USABLE ON CODE | INC | |
| FIG | ITEM | STOCK | NUMBER | | | U/M | IN | |
| NO | NO | CODE | NUMBER | | | | UNIT | |
| GROUP: 0101 SIGNAL PROCESSOR | | | | | | | | |
| CP-936/TPX-50 | | | | | | | | |
| 5 | 9 | PAODL | 5895-00-410-9954 | SMD680109 | 80063 | | EA 1 | |
| 5 | 13 | PAODL | 5895-00-410-9959 | SMD680108 | 80063 | | EA 1 | |
| 5 | 17 | PAODL | 5895-00-410-9950 | SMD679369 | 80063 | | EA 1 | |
| 5 | 18 | PAODL | 5895-00-410-9953 | SMD680111 | 80063 | | EA 1 | |
| 5 | 19 | PAODL | 5895-00-410-9958 | SMD680110 | 80063 | | EA 1 | |
| 5 | 34 | PAOZZ | 6240-00-763-7744 | CM387 | 71744 | | EA 5 | |

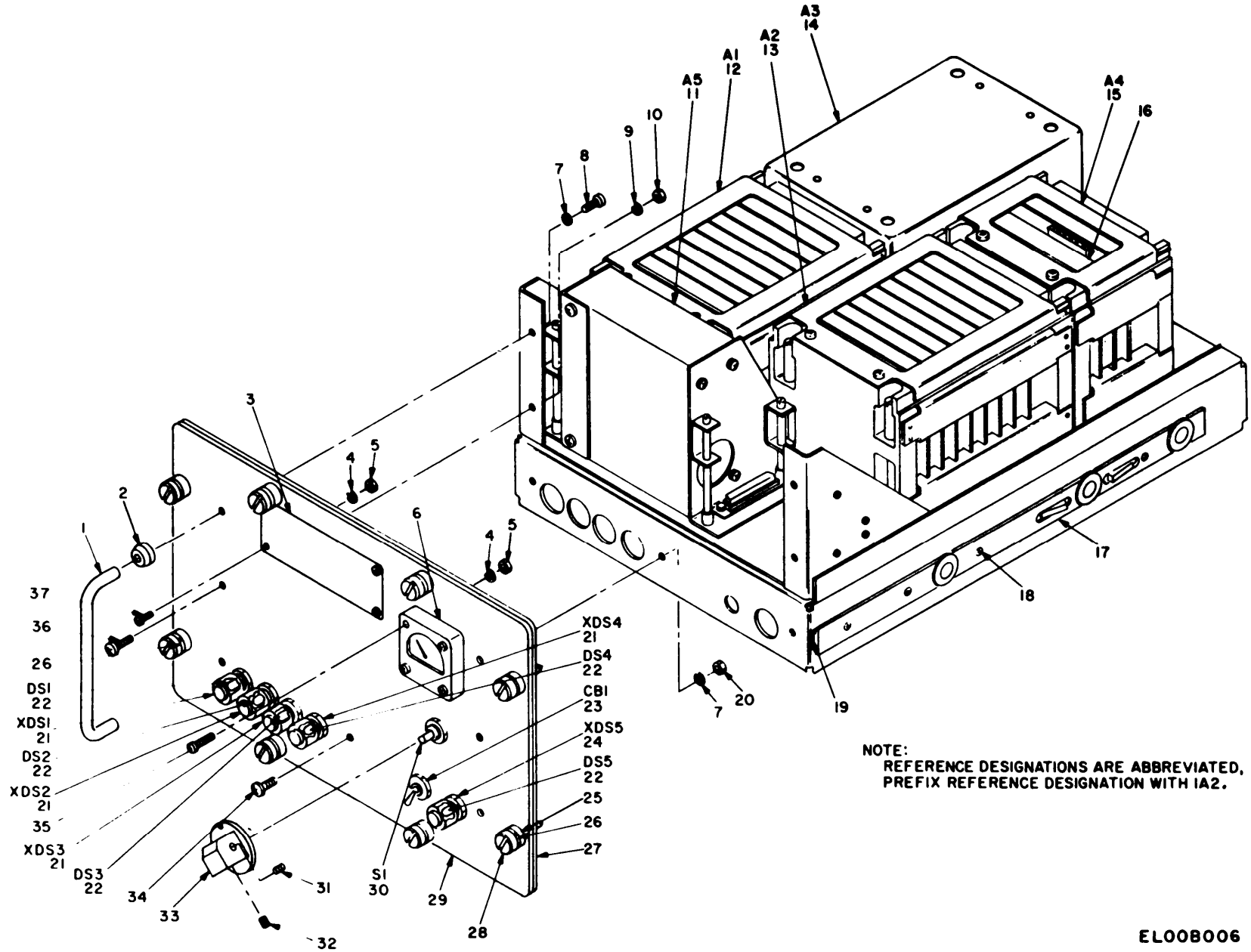


Figure 6. Synchronizer, Electrical SN-421/TPX-50.

ELOOB006

| SECTION II | | | | | | TM11-5895-687-20P | | | | |
|--------------------------------------|------|----------|------------------|-------------|-------------|----------------------|-----|------|--|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | | | |
| ILLUSTRATION | | | | | | | QTY | | | |
| (A) | (B) | NATIONAL | | | DESCRIPTION | | INC | | | |
| FIG | ITEM | STOCK | PART | FSCM | | USABLE ON CODE | U/M | IN | | |
| NO | NO | CODE | NUMBER | | | | | UNIT | | |
| GROUP: 0102 SYNCHRONIZER, ELECTRICAL | | | | | | | | | | |
| SN-421/TPX-50 | | | | | | | | | | |
| 6 | 11 | PAOFL | 5895-00-410-9967 | SMC679286 | 80063 | DELAY MODULE | EA | 1 | | |
| 6 | 12 | PAODL | 5895-00-437-2394 | SMD679367 | 80063 | INTERFACE MODULE | EA | 1 | | |
| 6 | 13 | PAODL | 5895-00-437-2386 | SMD680112 | 80063 | CODER DECODER MODULE | EA | 1 | | |
| 6 | 14 | PAODL | 5895-00-437-2397 | SMD679299 | 80063 | POWER SUPPLY MODULE | EA | 1 | | |
| 6 | 15 | PAODL | 5895-00-419-9649 | SMD680107 | 80063 | TIMING MODULE | EA | 1 | | |
| 6 | 22 | PAOZZ | 6240-00-763-7744 | CM387 | 71744 | LAMP, INCANDESCENT | EA | 5 | | |
| 6 | 33 | PAOZZ | | SMB679485-2 | 80063 | KNOB | EA | 1 | | |

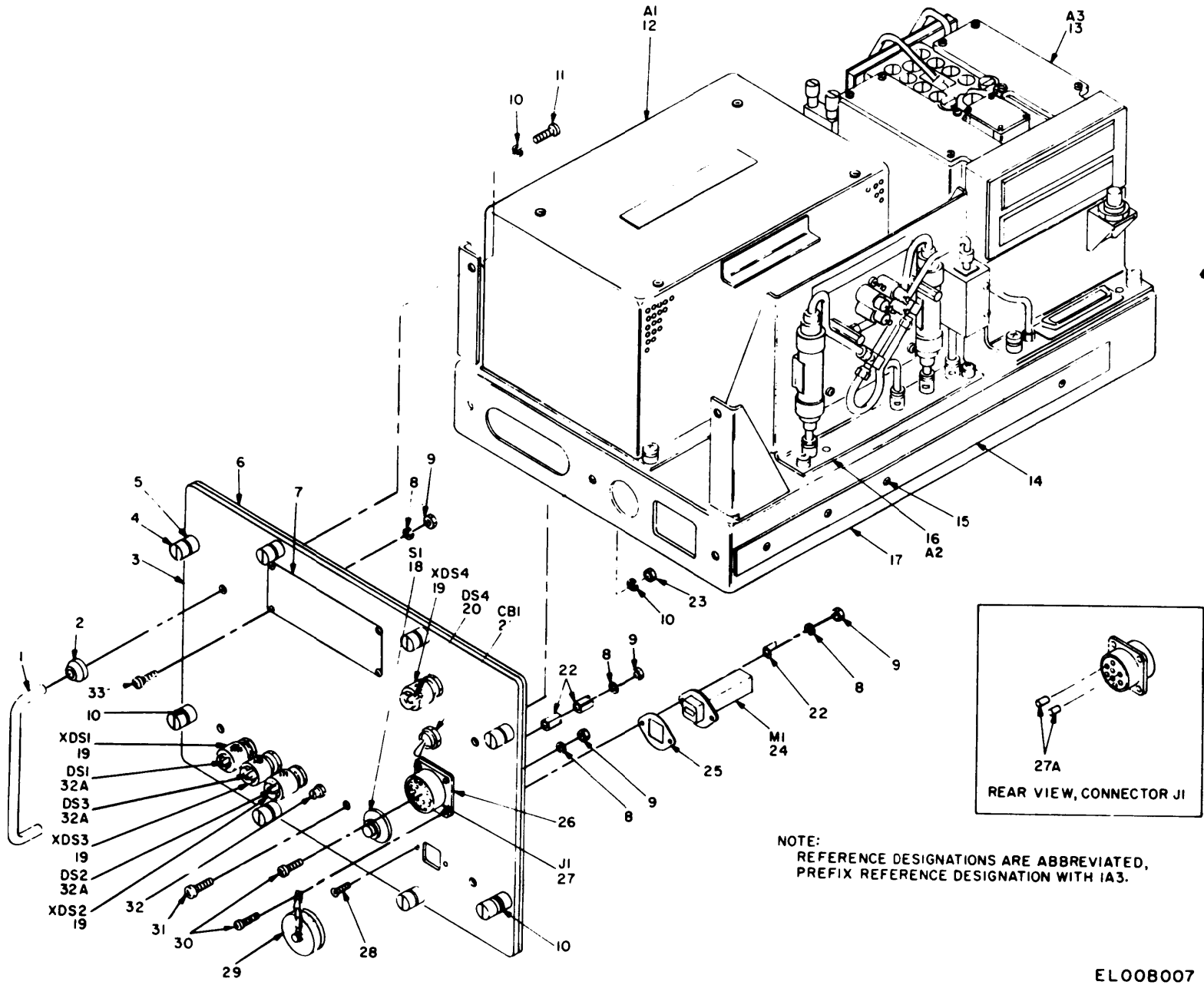
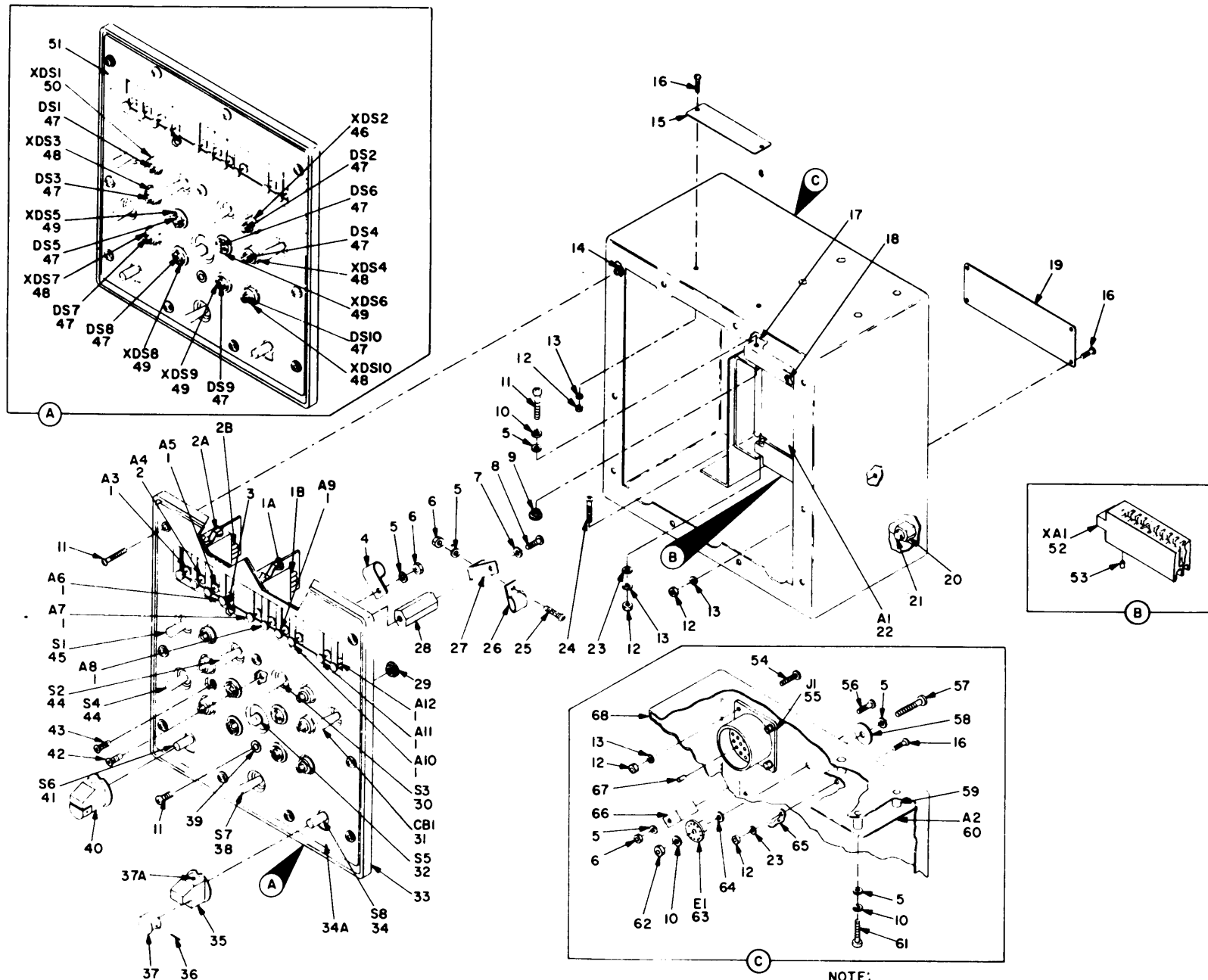


Figure 7. Receiver-Transmitter, Radio RT-903/TPX-50.

ELOOB007

| SECTION II | | TM11-5895-687-20P | | | | | | |
|---|------|-------------------|------------------|-----------|-------------|---------------------|------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| ILLUSTRATION | | | | | DESCRIPTION | | QTY | |
| (A) | (B) | NATIONAL | | | | | INC | |
| FIG | ITEM | STOCK | PART | FSCM | | USABLE ON CODE | IN | |
| NO | NO | NUMBER | NUMBER | | | U/M | UNIT | |
| GROUP: 0103 RECEIVER-TRANSMITTER, RADIO | | | | | | | | |
| RT-903/TPX-50 | | | | | | | | |
| 7 | 12 | PAODL | 5895-00-411-4023 | SMD679397 | 80063 | POWER SUPPLY MODULE | EA 1 | |
| 7 | 16 | PAODD | 5895-00-411-4025 | SMD679398 | 80063 | SWITCH ASSEMBLY | EA 1 | |
| 7 | 20 | PAOZZ | 6240-00-763-7744 | CM387 | 71744 | LAMP, INCANDESCENT | EA 4 | |



NOTE:
 REFERENCE DESIGNATIONS ARE ABBREVIATED,
 PREFIX REFERENCE DESIGNATION WITH 2.

Figure 8. Control, Interrogator Set C-7651/TPX-50

| SECTION II | | | | | | TM11-5895-687-20P | | |
|--------------|------|----------|------------------|-------------|---|-------------------|------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| ILLUSTRATION | | | | | DESCRIPTION | | QTY | |
| (A) | (B) | NATIONAL | PART | FSCM | | USABLE ON CODE | INC | |
| FIG | ITEM | STOCK | NUMBER | | | U/M | IN | |
| NO | NO | CODE | NUMBER | | | | UNIT | |
| | | | | | GROUP: 02 CONTROL, INTERROGATOR SET | | | |
| | | | | | C-7561/TPX-50 | | | |
| 8 | | PDODD | 5895-00-130-5816 | SMB679366 | 80063 CONTROL, INTERROGATOR SET C-7651/TPX-50 | EA | 1 | |
| 8 | 1A | PAOZZ | 6240-00-143-6558 | MS3338-6839 | 96906 LAMP, INCANDESCENT | EA | 1 | |
| 8 | 2A | PAOZZ | 6240-00-143-6558 | MS3338-6839 | 96906 LAMP, INCANDESCENT | EA | 1 | |
| 8 | 22 | PAODL | 5895-00-410-9960 | SMD679361 | 80063 CIRCUIT CARD ASSEMBLY (LAMP DRIVER) | EA | 1 | |
| 8 | 40 | PAOZZ | | SMB679270 | 80063 KNOB ASSEMBLY, SELECTOR | EA | 2 | |
| 8 | 47 | PAOZZ | 6240-00-763-7744 | CM387 | 71744 LAMP, INCANDESCENT | EA | 10 | |

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

| STOCK NUMBER | FIGURE NO | ITEM NO | STOCK NUMBER | FIGURE NO | ITEM NO |
|------------------|--------------|------------|------------------|--------------|------------|
| 5895-00-129-6066 | 4 | 3 | 5895-00-410-9954 | 5 | 9 |
| 5895-00-130-5814 | 4 | 6 | 5895-00-410-9958 | 5 | 19 |
| 5895-00-130-5815 | 4 | 5 | 5895-00-410-9959 | 5 | 13 |
| 5895-00-130-5816 | 8 | | 5895-00-410-9960 | 8 | 22 |
| 5895-00-130-5817 | 4 | | 5895-00-410-9967 | 6 | 11 |
| 5995-00-132-3321 | 2 | | 5895-00-411-4023 | 7 | 12 |
| 5895-00-133-1193 | 3 | 1 | 5895-00-411-4025 | 7 | 16 |
| 5895-00-135-9106 | 4 | 7 | 5895-00-419-9649 | 6 | 15 |
| 5995-00-136-4980 | 1 | | 5895-00-437-2386 | 6 | 13 |
| 6240-00-143-6558 | 8 | 1A | 5895-00-437-2394 | 6 | 12 |
| 6240-00-143-6558 | 8 | 2A | 5895-00-437-2397 | 6 | 14 |
| 5895-00-410-2419 | 3 | 6 | 6240-00-763-7744 | 4 | 11 |
| 5895-00-410-2420 | 3 | 5 | 6240-00-763-7744 | 5 | 34 |
| 5895-00-410-2421 | 3 | 4 | 6240-00-763-7744 | 6 | 22 |
| 5895-00-410-2422 | 3 | 7 | 6240-00-763-7744 | 7 | 20 |
| 5895-00-410-2423 | 3 | 2 | 6240-00-763-7744 | 8 | 47 |
| 5895-00-410-2425 | 3 | 3 | 5970-00-828-3451 | 1 | 2 |
| 5895-00-410-9950 | 5 | 17 | 5970-00-904-2491 | 1 | 9 |
| 5895-00-410-9953 | 5 | 18 | | | |

| PART NUMBER | FSCM | FIG. NO | ITEM NO | PART NUMBER | FSCM | FIG. NO | ITEM NO |
|----------------|-------|------------|------------|----------------|-------|------------|------------|
| CM387 | 71744 | 4 | 11 | SMD679361 | 80063 | 8 | 22 |
| CM387 | 71744 | 5 | 34 | SMD679367 | 80063 | 6 | 12 |
| CM387 | 71744 | 6 | 22 | SMD679369 | 80063 | 5 | 17 |
| CM387 | 71744 | 7 | 20 | SMD679393 | 80063 | 4 | 5 |
| CM387 | 71744 | 8 | 47 | SMD679397 | 80063 | 7 | 12 |
| MS3338-6839 | 96906 | 8 | 1A | SMD679398 | 80063 | 7 | 16 |
| MS3338-6839 | 96906 | 8 | 2A | SMD680107 | 80063 | 6 | 15 |
| SMB679270 | 80063 | 8 | 40 | SMD680108 | 80063 | 5 | 13 |
| SMB679374 | 80063 | 3 | 1 | SMD680109 | 80063 | 5 | 9 |
| SMB679374 | 80063 | 3 | 3 | SMD680110 | 80063 | 5 | 19 |
| SMB679388 | 80063 | 1 | | SMD680111 | 80063 | 5 | 18 |
| SMB679485-2 | 80063 | 6 | 33 | SMD680112 | 80063 | 6 | 13 |
| SMC679286 | 80063 | 6 | 11 | SME679362 | 80063 | 4 | 3 |
| SMC679298 | 80063 | 2 | | SME679363 | 80063 | 4 | |
| SMC680134 | 80063 | 3 | 2 | SME679364 | 80063 | 4 | 6 |
| SMC680135 | 80063 | 3 | 7 | SME679365 | 80063 | 4 | 7 |
| SMC680136 | 80063 | 3 | 4 | SME679366 | 80063 | 8 | |
| SMC680137 | 80063 | 3 | 5 | 202A163-3 | 06090 | 1 | 2 |
| SMC680138 | 80063 | 3 | 6 | 222A174-3 | 06090 | 1 | 9 |
| SMD679299 | 80063 | 6 | 14 | | | | |

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



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Stateside Army Depot
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Stateside, N.J. 07703

DATE 10 July 1975

| | | |
|---|-------------------|------------------------------|
| PUBLICATION NUMBER TM 11-5840-340-12 | DATE 23 Jan 74 | TITLE Radar Set AN/P-2-76 |
|---|-------------------|------------------------------|

| BE EXACT... PIN-POINT WHERE IT IS | | | | IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT: |
|-----------------------------------|------------|------------|-----------|---|
| PAGE NO. | PARA-GRAPH | FIGURE NO. | TABLE NO. | |
| 2-25 | 2-28 | | | <p>Recommend that the installation antenna alignment procedure be changed through to specify a 2° IFF antenna lag rather than 1°.</p> <p>REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 20 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° without degradation of operation.</p> |
| 3-10 | 3-3 | | 3-1 | <p>Item 5, Function column. Change "2 db" to "3db."</p> <p>REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.</p> |
| 5-6 | 5-8 | | | <p>Add new step f.1 to read, "Replace cover plate removed in step e.1, above."</p> <p>REASON: To replace the cover plate.</p> |
| | | F03 | | <p>Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."</p> <p>REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.</p> |

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