
DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

WARRANTY PROGRAM FOR
DISTRIBUTION ILLUMINATION SYSTEMS, ELECTRICAL (DISE)

MODELS

UTILITY SYSTEM, RECEPTACLES AND LIGHTING, M46
ELECTRICAL DISTRIBUTION SYSTEM, M40
ELECTRICAL DISTRIBUTION SYSTEM, M60
ELECTRICAL FEEDER SYSTEM, M100
ELECTRICAL FEEDER SYSTEM, M200

AND

POWER DISTRIBUTION ILLUMINATION SYSTEMS, ELECTRICAL (PDISE)

MODELS

UTILITY SYSTEM, RECEPTACLES AND LIGHTING, M46
ELECTRICAL DISTRIBUTION SYSTEM, M40 A/P
ELECTRICAL DISTRIBUTION SYSTEM, M60 A/P
ELECTRICAL FEEDER SYSTEM, M100 A/P
ELECTRICAL FEEDER SYSTEM, M200 A/P

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HEADQUARTERS, DEPARTMENT OF THE ARMY

17 September 1991

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 ELECTRICAL DISTRIBUTION SYSTEM, M40
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 ELECTRICAL FEEDER SYSTEM, H100
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AND

POWER DISTRIBUTION ILLUMINATION SYSTEMS, ELECTRICAL (PDISE)
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 ELECTRICAL DISTRIBUTION SYSTEM, M40 A/P
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 ELECTRICAL FEEDER SYSTEM, H100 A/P
 ELECTRICAL FEEDER SYSTEM, M200 A/P

HEADQUARTERS, DEPARTMENT OF THE ARMY, WASHINGTON, D.C.

17 September 1991

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

YOU CAN HELP IMPROVE THIS BULLETIN. 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 THE BACK OF THIS BULLETIN DIRECT TO: U.S. ARMY TROOP SUPPORT COMMAND, ATTN: AMSTR-MMTs, 4300 GOODFELLOW BLVD., ST. LOUIS, MO 63120-1798. A REPLY WILL BE FURNISHED TO YOU.

1. **General:** This Warranty Technical Bulletin (WTB) provides information relative to Distribution Illumination Systems, Electrical (DISE) and Power Distribution Illumination Systems, Electrical (PDISE) and warrants that both systems and models meet the performance requisites and workmanship standards set forth in the Purchase Description, PD-6150-0026. The Utility Assembly,

Receptacles and Lighting, Model M46, is used with both the DISE and PDISE. The DISE is composed of the following models: M40, M60, M100, and M200. The PDISE is composed of the following models: M 40 A/P, M60 A/P, M100 A/P and M200 A/P.

a. **Applicability:** Warranty coverage is applicable to DISE/PDISE models and component assemblies of the systems.

1. **General (Continued):**

b. **Limitations:** UNICOR guarantees that the DISE/PDISE models and component assemblies thereof shall conform to essential performance requirements of Sections 3 and 4 of the Purchase Description, and that parts and materials used in manufacturing the item are free from defects. Further, UNICOR warrants the workmanship of the items to comply with MIL-STD-454, Requirement 9. This warranty shall remain in effect for a 24-month period after acceptance of the items by the government.

2. **Explanations of Terms:** The following definitions apply to this WTB:

a. **Abuse.** The improper use, repair, or handling of warranted items such that the warranty may become void.

b. **Acceptance Date.** The date an item of equipment is accepted into the Army's inventory by the execution of the acceptance block and signing of a DD Form 250, or approved acceptance document, by an authorized representative of the government.

Acquiring Command or Activity. An activity which procures the items or material for the user.

d. **Alterations/Modifications.** Any alteration after production such as retrofit, conversion, remanufacture, design change, engineering change, and the like.

e. **Consolidated WTB.** A warranty technical bulletin that covers multiple number of equipment systems.

f. **Contractor Support.** Those services that are to be performed and those responsibilities that are placed upon the contractor by the

government as specified in the warranty/contract provisions. This support, which may include such things as labor, parts, tools, training, technical packages, etc., will be used in support of the warranted equipment during the specified warranty period.

g. **Defect.** Any condition or characteristic in any supplies or services furnished by the contractor under the contract, and that is not in compliance with the requirements of the contract.

h. **Failed Item.** A part, component, or end item that fails to perform to its intended use.

i. **Manufacturer's Recall.**

(1) **Safety Recall.** A manufacturer recalls an item to repair or replace a defective part or assembly which may affect public safety.

(2) **Service Recall.** A manufacturer recalls an item to repair or replace a defective part or assembly which does not affect the safe use of the item.

j. **Primary Damage.** The damage suffered by a part, component, or end item itself upon its failure.

k. **Prime Contractor.** A party that enters in to an agreement directly with the United States to furnish part or all of DISE and PDISE models and its component(s).

l. **Reimbursement.** A written provision in a warranty contract whereby the user may make the necessary repairs with or without prior approval of the contractor and the government will be reimbursed for the repair parts and/or labor costs.

2. Explanations of Terms (Continued):

m. Repair. To restore an item to serviceable condition without affecting the warranty.

n. Reparable. An item that may be reconditioned or economically repaired for reuse when it becomes unserviceable.

o. Secondary Damage. The damage suffered by an item because of a failure of another item within the same configuration.

p. Serviceable. The condition of an item which may be new or used, and that meets all the requirements and performs the functions for which it was originally intended.

q. Subcontractor. Any supplier, distributor, vendor, or firm that furnishes supplies or service to or for a prime contractor or another subcontractor.

r. Tailoring. The process of evaluating individual potential requirements to determine their pertinence and cost effectiveness for a specific system or equipment acquisition, and modifying these requirements to ensure that each contributes to the optimal balance and cost. The tailoring of data requirements shall consist of determining the essentiality of potential contract data requirement list (CDRL) items and shall be limited to the exclusion of information requirement provisions.

s. Turnaround Time. The amount of time that's permitted for an item to be replace/repared by the contractor maintenance repair facility and returned to the user. The time is measured from the time the contractor/repair facility receives the request.

t. Validation. The process by which the contractor shall test/measure the WTB to assure its accuracy as it pertains to the warranty items.

u. Verification. The process of determining the accuracy and adequacy of the WTB provided by the contractor. This process is performed by the government/user.

v. WARCO. Warranty Control Offices established at the intermediate General Support/Director of Industrial Operations level or equivalent who serve as the intermediary between the troops owning the equipment and the manufacturer. All warranty claim actions are to be processed through the TROSCOM WARCO. Local procedures may require processing through the local WARCO.

w. Warranty. A promise or statement of fact from a seller to a purchaser on the nature, usefulness, or condition of the supplies or performance of services to be furnished. The main purposes of a warranty in a government contract are to outline the rights and obligations of the contractor and the government for defective items and services. It also serves to foster quality performance by the contractor but is not a substitute for an adequate quality assurance program.

x. Warranty Claim. Action started by the equipment user for authorized warranty repair, replacement, or reimbursement made from the manufacturer.

y. Warranty Period. Time during which the warranty is in effect, which is a 24-month period from time of acceptance by the government.

z. Warranty Start Date. The date the warranty is put into effect.

3. Coverage; Specific:

a. DISE Coverage under this warranty is extended to DISE Models M40, M60, M100, and M200 of the Electrical Distribution and Feeder Systems, and to the Utility Assembly, Model M46. The warranty coverage includes all component assemblies of the listed systems. To clarify the coverage, Tables 3-1, 3-2, 3-3, 3-4, and 3-5 have been utilized to identify pertinent data.

TABLE 3-1: 40 AMP System

<p>Nomenclature: 40-AMP Distribution System, Electrical.</p> <p>Line Item Number: 1003</p> <p>Model Number: M40</p> <p>NSN Number: 6150-01-208-9753</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N : 13226E7049</p> <p>Serial Numbers: ZZ00001 thru ZZ00838; ZZ01428 thru ZZ01801</p> <p>Contract Number: DAAK01-87-F-0046</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(b) and follows Table 3-5.</p>
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TABLE 3-2: 60 AMP System

<p>Nomenclature: 60-AMP Distribution System, Electrical.</p> <p>Line Item Number: 1002</p> <p>Model Number: M60</p> <p>NSN Number: 6150-01-208-9752</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N : 13226E7048</p> <p>Serial Numbers: ZZ02001 thru ZZ02320; ZZ02321 thru ZZ02323</p> <p>Contract Number: DAAK01-87-F-0046</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(b) and follows Table 3-5.</p>
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3. Coverage; Specific (Continued):

TABLE 3-3: 100 AMP system

<p>Nomenclature: 100-AMP Feeder System, Electrical.</p> <p>Line Item Number: 1004</p> <p>Model Number: M100</p> <p>NSN Number: 6150-01-208-9754</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N : 13226E7050</p> <p>Serial Numbers: ZZ02401 thru ZZ02864; ZZ03482 thru ZZ03707</p> <p>Contract Number: DAAK01-87-F-0046</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(b) and follows Table 3-5.</p>
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TABLE 3-4: 200 AMP System

<p>Nomenclature: 200-AMP Feeder System, Electrical.</p> <p>Line Item Number: 1005</p> <p>Model Number: M200</p> <p>NSN Number: 6150-01-208-9755</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N : 13226E7047</p> <p>Serial Numbers: ZZ03901 thru ZZ04128; ZZ04278 thru ZZ04379</p> <p>Contract Number: DAAK01-87-F-0046</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(b) and follows Table 3-5.</p>
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3. Coverage; Specific (Continued):

TABLE 3-5: Utility Assembly

<p>Nomenclature: Utility Assembly, Receptacles and Lighting.</p> <p>Line Item Number: 1001</p> <p>Model Number: M46</p> <p>NSN Number: 6150-01-208-9751</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N: 13226E7046</p> <p>Serial Numbers: ZZ04401 thru ZZ00838; ZZ12316</p> <p>Contract Number: DAAK01-87-F-0046</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(b) and immediately follows this Table.</p>

b. **Type of Coverage:** UNICOR warrants all items furnished under line items 1001, 1002, 1003, 1004, and 1005 of Contract Number DAAK10-87-F-0046; specifically, Models M40, M60, M100, and M200 of the Electrical Distribution and Feeder Systems and Model M46, Utility Assembly, Receptacles and Lighting. The warranty also extends to all component assemblies of the individual systems and guarantees repair or replacement of any DISE system or component assembly that proves to be non-conforming or defective within the two-year period after acceptance by the government. Shipping costs from line item

delivery points shall be borne by UNICOR, and shall include return of replacement or repaired items.

c. **PDISE.** Coverage under this warranty is extended to PDISE Models M40 A/P, M60 A/P, M100 A/P and M200 A/P of the Electrical Distribution and Feeder Systems, and to the Utility Assembly Model M46. The warranty coverage includes all component assemblies of the listed systems. To clarify the coverage, Tables 3-6, 3-7, 3-8, 3-9, and 3-10 have been utilized to identify pertinent dates.

TABLE 3-6: 40 AMP System

<p>Nomenclature: 40-AMP Distribution System, Electrical.</p> <p>Line Item Number: 0001</p> <p>Model Number: M40 A/5P</p> <p>NSN Number: 6150-01-307-9446</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N: 13229E6353</p> <p>Serial Numbers: ZZ17000 thru ZZ17999</p> <p>Contract Number: DAAK01-89-F-0034</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(d) and follows Table 3-10.</p>

3. Coverage; Specific (Continued):

TABLE 3-7: 60 AMP System

<p>Nomenclature: 60-AMP Distribution System, Electrical.</p> <p>Line Item Number: 0002</p> <p>Model Number: M60 A/P</p> <p>NSN Number: 6150-01-307-9445</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N: 13229E6352</p> <p>Serial Numbers: ZZ18000 thru ZZ18999</p> <p>Contract Number: DAAK01-89-F-0034</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(d) and follows Table 3-10.</p>
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TABLE 3-8: 100 AMP system

<p>Nomenclature: 100-AMP Feeder System, Electrical.</p> <p>Line Item Number: 0003</p> <p>Model Number: M100 A/P</p> <p>NSN Number: 6150-01-308-5671</p> <p>Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N : 13229E6351</p> <p>Contract Number: DAAK01-89-F-0034</p> <p>Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.</p> <p>Type of Coverage: Type of coverage is explained in paragraph 3(d) and follows Table 3-10.</p>
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3. Coverage; Specific (Continued):

TABLE 3-9: 200 AMP system

Nomenclature: 200-AMP Feeder System, Electrical.

Line Item Number: 0004

Model Number: M200 A/P

NSN Number: 6150-01-308-5672

Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N: 13229E6350

Serial Numbers: ZZ20000 thru ZZ20999

Contract Number: DAAK01-89-F-0034

Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.

Type of Coverage: Type of coverage is explained in paragraph 3(d) and follows Table 3-10.

TABLE 3-10: Utility Assembly

Nomenclature: Utility Assembly, Receptacles and Lighting.

Line Item Number: 1001

Model Number: M46

NSN Number: 6150-01-208-9751

Manufacturer and Part Number: UNICOR, Federal Prison Industries. P/N: 13226E7046

Serial Numbers: ZZ12317 thru ZZ13700

Contract Number: DAAK01-87-F-0046, AMENDED

Length of Time Coverage: 24-months from date of acceptance by the government. Note that this two-year period extends from the date of final delivery of the line item of the contract.

Type of Coverage: Type of coverage is explained in paragraph 3(d).

d. Type of Coverage: UNICOR warrants all items furnished under line items 0001, 0002, 0003 and 0004, of Contract Number DAAK01-89-F-0034; specifically, Models M40 A/P, M60 A/P, M100 A/P, and M200 A/P of the Electrical Distribution and Feeder Systems, and Model M46, Utility Assembly, Receptacles and Lighting line item 1001, of Contract Number DAAK01-87-F-0046. The warranty also extends to all components assemblies of the individual systems, and guarantees repair or replacement of any PDISE system or component assembly that proves to be non-conforming or defective within the

3. Coverage; Specific (Continued):

d. Type of Coverage (Continued).

two-year period after acceptance by the government. Shipping costs from line item delivery points shall be borne by UNICOR, and shall include return of replacement or repaired items.

4. Contractor Responsibilities:

The contractor, at his own option, shall repair or replace defective equipment, and shall bear all expenses connected with the renovation or replacement. These expenses shall include handling and shipping costs, along with parts and materials necessary to replace an/or repair the defective item(s). Claims shall be addressed through the contractor contact point as follows: UNICOR, Federal Prison Industries, Electronics, Optics and Plastics Division, 320 First St., N.W., Washington, D.C. 20534. Telephone contact: (202) 783-7014, Extension 328, AUTOVON: 285-1205. Damaged or defective items shall be returned to the specific manufacturing facility as follows: DISE/PDISE Models M40, M40 A/P, M60, M60 A/P, M100, M100 A/P, M200, and M200 A/P to UNICOR, Federal Prison Industries, Electronic Cable Factory 3901 Klein Boulevard, Lompoc, CA 93436. Telephone contact: Quality Assurance Manager, (805) 735-6210. DISE/PDISE Model M46 shall, if damaged or defective, be returned to UNICOR, Federal Prison Industries, Electronic Cable Factory, Route 37, Danbury, CT 06811. Telephone contact: Quality Assurance Manager, (203) 746-6515. No subcontractor shall assume responsibility for the repair and/or replacement of defective component parts of the DISE/PDISE System Models. UNICOR warrants the end items of equipment, and thereby assumes full responsibility of repair and/or replacement of defective or

nonconforming equipment furnished under the terms of contract DAAK01-87-F-0046 (DISE) and DAAK01-89-F-0034 (PDISE).

5. Government Responsibilities/

Identification: The activity responsible for the administrative functions for the warranty program is as follows: Department of the Army, Headquarters, U.S. Army Troop Support Command, 4300 Goodfellow Boulevard, St. Louis, MO 6310-1798; Attn: AMSTR-Q; commercial telephone; (314) 263-9455; AUTOVON: 693-9455. The responsibilities of the government activity shall be to facilitate claims processing and correlate notification to the UNICOR EOP Division regarding defective items or those not meeting the performance requirements of PD-6150-0026. Government responsibilities include administrative functions relative to reporting of defective equipment, and assuring the effectiveness of the warranty program for DISE and PDISE equipment.

a. Government Maintenance:

The provisions of this warranty agreement shall allow the government, or the designated service branch utilizing the DISE/PDISE equipment, to perform corrective maintenance as authorized in the maintenance allocation chart of the Technical Manual TM 9-6150-226-13. Corrective maintenance shall also include minor repair of equipment as necessary to maintain performance standards set forth in PD-6150-0026. If said corrective maintenance is required to ensure the limited performance of DISE/PDISE equipment until the item or component assembly can be replaced, UNICOR shall extend the warranty to repair and/or replacement of equipment found to be defective and subjected to limited corrective maintenance in the field. Warranty coverage guaranteed by UNICOR is listed under paragraph 4 of this WTB, and contractor responsibilities and

5. Government Responsibilities/ Identification (Continued):

a. Government Maintenance (Continued):

point of notification to facilitate repair and replacement are also listed in that paragraph.

b. Owning Unit Responsibilities: The owning unit shall have the responsibilities of identifying defective equipment, of performing corrective maintenance within the limitations specified in paragraph 5(a) of the WTB, of returning defective items along with those not meeting the performance characteristics of PD-6150-0026, and of providing notice to the responsible government agency listed in paragraph 5. TROSCOM shall initiate appropriate forms to facilitate repair anti/or replacement of the defective or nonconforming equipment.

c. Warranty Control Office Responsibilities: The Warranty Control Office is designated as follows: Department of the Army, Headquarters, U.S. Army Troop Support Command, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. Inquiries shall be addressed to the attention of AMSTR-Q; commercial telephone: (314) 263-9455 ; AUTOVON : 693-9455. The Warranty Control Office shall serve as the intermediary between the troops owning the equipment and the manufacturer. All warranty claim actions are to be processed through the Warranty Control Office.

d. Alterations/Mod ifications: Alterations and modifications shall not be made unless specifically authorized or directed by the following command: Department of the Army, Headquarters, U.S. Army Troop Support Command, Attn: AMSTR-Q, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798; commercial telephone:

(314) 263-9455; AUTOVON: 693-9455. The alterations and modifications identified in this paragraph pertain to changes in the configuration of the item of equipment, and which renders said equipment ineffective in meeting normal performance requirements.

6. Design/Performance

Specifications: While design and performance specifications are not specifically listed in Contract DAAK01-87-E-0046 (DISE) and DAAK01-89-F-0034 (PDISE), said contracts do require performance per sections 4 and 5 of PD-6150-0026. DISE/PDISE equipment and component assemblies have been electrically tested to verify performance characteristics, and first article specimens have been subjected to environmental requisites of the specification. All items furnished under the terms of this contract are guaranteed to conform to design and performance characteristics of PD-6150-0026 for the 2-year warranty period specified after acceptance of the items by the government.

7. Nullification: This warranty shall be null and void if unauthorized maintenance or repair is undertaken in the field; if improper use or operation of the equipment has rendered it defective; through abuse, where improper use, repair or handling of the equipment negates normal performance requirements; through improper environmental exposure, where the equipments is subjected to extreme temperature in excess of the maximums specified for storage and operating conditions in PD-6150-0026; or where the method of installation is contrary to acceptable practice stipulated in the Technical Manual and serves to alter the configuration of the equipment without proper authorization. Nullification of the warranty agreement specified in this paragraph shall not be implemented if the user

7. Nullification (Continued):

has taken every precaution to maintain the equipment in a proper manner and in accordance with the Technical Manual, or has gained authorization from the authority set forth in paragraph 5(c) for minor alteration to achieve required performance levels. (Improper environmental exposure would be storage of the equipment at temperatures in excess of +160°F or -27°F for extended periods, and operation of the equipment at temperatures in excess of +120°F or -24°F for extended periods. Extended periods are defined to mean a period of time in excess of eight hours).

a. Abuse Determination:

Abuse, when determined by the manufacturing locale at UNICOR Lompoc or UNICOR Danbury after inspection of an item returned as defective or one that fails to meet the performance requirement of the specification, shall be reported to the contacting authority specified in paragraphs 5 and 5(c) of this WTB. Suspected abuse shall be documented, and repetition shall be reported to the UNICOR Central Office authority of the EOP Division listed in paragraph 8. Report of proven abuse determinations shall include a summary of the action required to render the equipment functional, and shall approach the cost factor necessary for repair or replacement of the equipment damaged or rendered non-functional under normal storage or operating conditions.

8. Claim Procedures: Claims shall be processed through the following authority: Department of the Army, Headquarters, U.S. Army Troop Support Command, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798; Attn: AMSTR-Q. Commercial Telephone: (314) 263-9455; AUTOVON: 693-9455. It shall be the responsibility of TROSCOM to refer said claims through

UNICOR EOP Division, 320 First St., N.W., Washington, D.C. 20534. Referrals shall be directed through J. Obremski; Commercial Telephone: (202) 783-7014, Extension 328; AUTOVON: 285-1205.

a. Identification of Failed Items: Failed warranty items shall be tagged/identified to prevent improper repair or use. Proper identification of the failed item shall be accomplished by attaching a DA Form 2402, Exchange Tag, and DA Form 2407, Maintenance Request. A copy of the Maintenance Request shall be forwarded to TROSCOM, Attn: AMSTR-Q. Complete address and telephone listings are noted in paragraphs 5 and 5(c) of this WTB.

b. Disposition: All failed warranty items shall be packaged for shipment and forwarded as follows: Models M40, M40 A/P, M60, M60 A/P, M100, M100 A/P, M200, and M200 A/P: Electronic Cable Factory, 3901 Klein Boulevard, Lompoc, CA 93436. Model M46 and component assemblies shall be packaged for shipment and forwarded to the UNICOR Facility at Route 37, Danbury, CT 06811. An exchange tag shall be attached to the failed item, and a copy of the DA Form 2407 shall be included with the shipment. A copy of the latter form shall also be forwarded to TROSCOM to the address listed in paragraph 5 for processing, and TROSCOM shall refer a copy of the Maintenance Request to the UNICOR EOP Division (address listed in paragraph 8). The manufacturing facility at either UNICOR Lompoc or UNICOR Danbury shall repair or replace the defective item, and the EOP Division at the Central Office in Washington, D.C. shall assume the responsibility of remitting all freight costs expended by the TROSCOM Unit owning the item.

(1) False Return: If items or materials returned to the contractor are found to be

8. Claim Procedures (Continued):

(1) False Return (Continued):

serviceable and not defective, the submitting government unit shall be penalized. Penalties shall include the cost of the freight, hours expended in testing and performance examinations, and any other cost factor necessary to verify a false return.

(2) Receipts/Verification of Contractor Repairs:

UNICOR Lompoc and UNICOR Danbury, the manufacturing facilities, shall maintain records of repaired items for 3-years after expiration of the 2-year warranty. Said records shall include a copy of the Quality Deficiency Report (QDR), response to the QDR, DD Form 1149 copy showing return of the repaired item, and inspection records depicting type and extent of repair.

(3) Special Area

Requirements: No special area requirements are incidental to this warranty agreement.

C. Reimbursement for Army

Repair: Where Army repair of the item is necessary to achieve performance within the range of requirements, said repair shall be documented by itemizing all costs connected with the repair and forwarding same to: Department of the Army, Headquarters, U.S. Army Troop Support Command, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798; Attn: AMSTR-Q. The TROSCOM authority shall forward the request for reimbursement to the UNICOR EOP Division. Reimbursement requests must be directed to the authority listed in paragraph 4 of the WTB.

d. Claim Denials/Disputes:

Any reputable claim shall be honored by UNICOR, thereby eliminating the

necessity of negotiation. If a dispute does arise from the denial of a valid claim filed with UNICOR, it shall be resolved in favor of the owning entity. The EOP Division of UNICOR shall have the final authority to determine the validity of individual claims.

e. Reporting: Reporting or recording action on a failed item shall be as specified in DA PAM 738-750 or DA PAM 738-751. Contractor unique forms shall not be used.

9. Storage/Shipment/Handling:

Storage, shipment and handling requisites are only applicable in limited fashion to this warranty agreement. Individual data, where applicable, is as follows:

a. Storage: Items and equipment furnished under the terms of Contract DAAK01-87-F-0046 (DISE) and DAAK01-89-F-0034 (PDISE) are packaged for storage and preservation per PD-6150-0026, Level A. Terms of this warranty are effective for a 2-year period after acceptance of the final item furnished under the contract terms. Storage for extended periods prior to use does not extend the life of the warranty.

b. Shipment: The terms of contract DAAK01-87-F-0046 and DAAK01-89-F-0034 specify that FOB is to be at origin. Thus, the only shipment costs that may be designated to UNICOR are those involving defective items returned for repair or replacement. It shall be the responsibility of WARCO (listed under paragraph 5(c) of this document) to log shipment costs which were paid by the owing unit in returning defective items and submit said freight costs to UNICOR, EOP Division, 320 First St., N.W., Washington, D.C. 20534. Upon submittal, funds expended for shipping costs-suffered through

9. Storage/Shipment/Handling
(Continued):

b. Shipment (Continued):

return of defective items shall be remitted in full to the appropriate agency designated by WARC0.

c. Handling: Special handling of warranted items is not applicable per the terms of contract numbers DAAK01-87-F-0046 and DAAK01-89-F-0034.

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:

PATRICIA P. HICKERSON
Brigadier General, United States Army
The Adjutant General

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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	
6	2-1 a			<i>In line 6 of paragraph 2-1a the manual states the engine has <u>6</u> Cylinders. The engine on my set only has <u>4</u> Cylinders. Change the manual to show <u>4</u> Cylinders.</i>
B1		4-3		<i>Callout 16 on figure 4-3 is pointing at a <u>bolt</u>. In key to figure 4-3, item 16 is called a <u>skin</u> - Please correct one or the other.</i>
125	line 20			<i>I ordered a gasket, item 19 on figure B-16 by NSN 2 910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN</i>

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER: **JOHN DOE, PFC (268) 317.7111**
 SIGN HERE: **JOHN DOE**

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FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER
U.S. ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MMTS
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

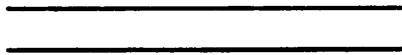
1 Nov 80

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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