

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR**

**REFRIGERATION UNIT, MECHANICAL,
PANEL MOUNTED FOR REFRIGERATOR
PREFABRICATED
ELECTRIC MOTOR DRIVEN
KECO MODEL F10000R-6
NSN 4110-01-077-8253**

**GASOLINE ENGINE DRIVEN
KECO MODEL F10000RG-2
NSN 4110-01-074-5175**

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REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR
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GASOLINE ENGINE DRIVEN KECO MODEL F1000ORG-2 NSN 4110-01-074-5175**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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 manual direct to: Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MPSDA300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished directly to you.

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Section I. INTRODUCTION

1. Scope. This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of Refrigeration Units, Keco Models F10000R-6 and F-10000RG-2. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General. This Repair Parts and Special Tools list is divided into the following sections:

- a. Section II. Repair Parts List.** A list of spares and 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 numeric sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence.
- b. Section III. Special Tools List.** Not applicable.
- c. Section IV. National Stock Number and Part Number Index.** A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) 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. This index is followed by a cross-reference list of reference designators to figure and item numbers.

3. Explanation of Columns.

a. Illustration. This column is divided as follows:

- (1) Figure Number.** Indicates the figure number of the illustration on which the item is shown.
- (2) Item Number.** The number used to identify item called out in the illustration.

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

- (1) Source Code.** Source codes 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:

| Code | Definition |
|------|---|
| PA | Item procured and stocked for anticipated or known usage. |
| PB | Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply system. |
| PC | Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature. |
| 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. |
| PE | Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities. |
| PF | Support equipment which will not be stocked but which will be centrally procured on demand. |
| PG | Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time. |
| KD | An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair. |
| KF | An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance. |
| KB | Item included in both a depot overhaul/repair kit and a maintenance kit. |
| MO | Item to be manufactured or fabricated at the organizational level. |

| Code | Definition |
|------|---|
| MF | Item to be manufactured or fabricated at the direct support maintenance level. |
| MH | Item to be manufactured or fabricated at the general support maintenance level. |
| MD | Item to be manufactured or fabricated at the depot maintenance level. |
| AO | Item to be assembled at organizational level. |
| AF | Item to be assembled at the direct support maintenance level. |
| AH | Item to be assembled at general support maintenance level. |
| AD | Item to be assembled at depot maintenance level. |
| XA | Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly. |
| XB | Item is not procured or stocked. If not available through salvage, requisition. |
| XC | Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number. |
| XD | A support item that is not stocked. When required, item will be procured through normal supply channels. |

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded XA 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 one of the following levels of maintenance:

| Code | Application/Explanation |
|------|---|
| C | Crew or operator maintenance performed within organizational maintenance. |
| O | Support item is removed, replaced, used at the organizational level. |

F Support item is removed, replaced, used at the direct support level.

H Support item is removed, replaced, used at the general support level.

D Support items that are removed, replaced, used at depot, mobil depot, or specialized repair activity only.

(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:

| Code | Definition |
|------|---|
| O | The lowest maintenance level capable of complete repair of the support item is the organizational level. |
| F | The lowest maintenance level capable of complete repair of the support item is the direct support level. |
| H | The lowest maintenance level capable of complete repair of the support item is the general support level. |
| D | The lowest maintenance level capable of complete repair of the support item is the depot level. |
| L | Repair restricted to designated specialized repair activity. |
| Z | Nonreparable. No repair is authorized. |
| B | No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item. |

(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:

| Recoverability Code | Definition |
|---------------------|--|
| Z | Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3. |
| O | Reparable item. When uneconomically repairable, condemn and dispose at organizational level. |

Recoverability

| Code | Definition |
|------|--|
| F | Reparable item. When uneconomically reparable, condemn and dispose at the direct support level. |
| H | Reparable item. When uneconomically reparable, condemn and dispose at the general 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/specialized repair activity level. |
| A | Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions. |

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

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, specifications, standards and inspection requirements to identify an item or range of items.

NOTE

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

e. 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. The physical security classification of the item is indicated by the paranthetical entry (insert applicable physical security classification abbreviation, e.g., Phy Sec C1(C)-Confidential, Phy Sec C1(S)-Secret, Phy Sec C1(T)-Top Secret). Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column. When the part to be used differs between serial numbers of the same model, the effective serial numbers are shown as the last line of the description. In the Special Tools List, the initial basis

of issue (BOI) appears as the last line in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased accordingly.

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. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable codes used in this publication are:

| Code | Used On |
|------|------------|
| DCY | F10000RG-2 |
| DCZ | F10000R-6 |

b. Detailed manufacturing instructions for items source coded to be manufactured or fabricated are found in TM 5-4110-234-14. Bulk materials required to manufacture items are listed in the Bulk Material Group of this manual.

c. Detailed assembly instructions for items source coded to be assembled are found in TM 54110-234-14. Assembly components are listed immediately following the item to be assembled.

d. Repair parts kits and gasket sets appear as the last entries in the repair listing for the figure in which its parts are listed as repair parts.

e. The following publications pertain to Models F10000R-6 and F10000RG-2 and their components: Publication and Short Title

TM 5-4110-234-14 Maintenance Manual.

5. How to Locate Repair Parts.

a. When National Stock Number or Part Number is Unknown: