
**TECHNICAL MANUAL
OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

STOVE, GASOLINE, 1-BURNER; 5,500 BTU/HR;

W/CYLINDRICAL BASE;

NSN 7310-00-285-8156

**STOVE, GASOLINE, 2-BURNER; 5,000 BTU/HR; W/HINGED
WINDSHIELD AND CARRYING CASE;**

NSN 7310-00-263-8736

This copy is a reprint which includes current
pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY

DECEMBER 1973

WARNING

**DEATH DUE TO
CARBON MONOXIDE POISONING**

Do not operate stoves inside enclosed space without adequate ventilation. Carbon monoxide poisoning can be deadly. Carbon monoxide is a colorless, odorless, deadly poisonous gas which, when inhaled, deprives the body of oxygen and causes suffocation. Symptoms of carbon monoxide poisoning are headache, dizziness, loss of muscular control, apparent drowsiness, or coma. Permanent brain damage or death result from severe exposure.

WARNING

**DEATH
or severe burns**

may result if personnel fail to use care to avoid spilling gasoline when filling or emptying gasoline tank. Wipe up all spilled fuel immediately.

Do not fill tank near an open flame. Keep any reserve supply of gasoline outside the shelter or at least 10 feet away from stove.

Do not smoke in area while filling gasoline tanks.

Always use a funnel to fill gasoline tank or have a metal to metal contact between tank and fuel can.

Do not fill 1-burner gasoline stove fuel tank more than three-fourths full. Excessive fuel under pressure will cause flames to flare up when stove is lighted.

Avoid carrying the 2-burner gasoline stove upside down. It should be in an upright position at all times, particularly when fuel tank is filled. Do not put more than 2 pints of fuel in the tank at a time. Before elevating fuel can used with field cooking outfit, be sure that the valve on the burner-valve assembly is shut off to prevent flooding burner well.

CHANGE }
No. 1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 5 January 1981

**OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS
STOVE, GASOLINE; 1-BURNER;
5,500 BTU/HR;W/CYLINDRICAL BASE
NSN 7310-00-285-6155
STOVE, GASOLINE; 2-BURNER;
5,000 BTU/HR W/HINGED
WINDSHIELD AND CARRYING CASE
NSN 7310-00-263-8736**

TM 10-7300-200-12, 14 December 1973 is changed as follows:

1. Title is changed as shown above.
2. Remove and insert pages as indicated below.

	Remove pages	Insert pages
Table of Contents	i and ii	i and ii
Chapter 1	1-1 thru 1-3	1-1 thru 1-3/1-4
Chapter 2	2-3 and 2-4	2-3 and 2-4
	2-9 thru 2-14	2-9 thru 2-14
Chapter 3	3-1 thru 3-4	3-1 thru 3-4
	3-11 thru 3-12	3-11 thru 3-12.1/3-12.2
	3-13	3-13/3-14
Chapter 4	4-1 thru 4-21/4-22	-----
		B-1 thru B-5/B-6

3. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

4. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

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General, United States Army
Chief of Staff

Official:

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The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Operator's Maintenance Requirements for Cooking and Mess Equipments.

Technical Manual
No. 10-7300-200-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 14 December 1973

**OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

**STOVE, GASOLINE; 1-BURNER;
5,500 BTU/HR; W/CYLINDRICAL BASE
NSN 7310-00-285-6115
STOVE, GASOLINE; 2-BURNER;
5,000 BTU/HR W/HINGED
WINDSHIELD AND CARRYING CASE
NSN 7310-00-263-8736**

Current as of 20 October 1980

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*This manual supersedes TM 10-7300-200-12 dated 4 October 1968, including all changes.

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INTRODUCTION

Section I. GENERAL

1-1. Scope

These instructions are published for use of personnel to whom the gasoline burning stoves are issued. They provide information on the operation and maintenance of the stoves. Also included are descriptions of units and their functions in relationship to other components.

1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are explained in TM 38-750.

1-3. Reporting of Errors

You can help to improve this manual by calling attention to errors and by recommending improve-

ments. Your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) and DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals) may be used. Copies of DA Form 2028-2 are attached in the back of the manual for your use. Please mail your recommended changes direct to Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTT, 4300 Goodfellow Boulevard, St. Louis, MO. 63120. A reply will be furnished to you.

1-4. Equipment Serviceability Criteria

This equipment is not covered by an equipment serviceability criteria.

Section II. ORGANIZATIONAL MAINTENANCE REPAIR PARTS, SPECIAL TOOLS, AND ITEMS TROOP INSTALLED OR AUTHORIZED LISTS

1-5. Scope

a. These sections list repair parts, special tools, test and support equipment required for the performance of organizational maintenance of the stoves and are located within the chapters to which they apply.

b. Repair parts listed represent those authorized for use at the organizational level and will be requisitioned on "as required" basis until stockage is justified by demand in accordance with AR710-2.

1-6. General

The Item Troop Installed or Authorized List. Repair Parts, and Special Tools List are divided into the following sections:

a. Items Troop Installed or Authorized List - Section VI. A list of items in alphabetical sequence, which at the discretion of the unit commander may accompany the stove. These items are NOT SUBJECT TO TURN-IN with the stove when evacuated.

b. Repair Parts List - Section VII. A list of repair parts authorized at the organizational level for the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of assembly groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

c. Special Tools List - Section VIII. A list of special tools, test, and support equipment authorized for the performance of maintenance at the organizational level.

1-7. Explanation of Columns

The following provides an explanation of columns found in the tabular listings in repair parts sections of the maintenance chapters.

a. Source, Maintenance, and Recoverability Code (SMR). The SMR code is a five letter code composed of three parts, consisting of a two (2) position source code, a two (2) position maintenance code, and a one (1) position recoverability code.

(1) Source Code. Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions as follows:

Code	Definitions
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 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 date.
KD	An item of depot overhaul/repair kit and not purchased separately.
KF	An item of a maintenance kit and not purchased separately.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at direct support maintenance level.
MH	Item to be manufactured or fabricated at general maintenance support level.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organizational level.

AF	Item to be assembled at 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 replacement of the next higher assembly.
XB	Item NOT procured or stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram, instruction sheet, or field service drawing that is identified by manufacturer's part number.
XD	A low mortality item that is not stocked. When required, items will be requested and provided 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, XD, and support items restricted by AR 700-42.

(2) Maintenance Codes. The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the item. 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). When a maintenance code is not used in the fourth position, a dash (-) will be entered.

Code	Application/Explanation
O	Item is removed, replaced, used (third position), or complete repair (fourth position) at the organizational level.
F	Item is removed, replaced, used (third position), or complete repair (fourth position) at the direct support maintenance level.
H	Item is removed, replaced, used (third position) or complete repair (fourth position) at the general support maintenance level.
D	Item is removed, replaced, used (third position) or complete repair (fourth position) at the depot maintenance level.

Code	Application/Explanation
L	Repair restricted to designated specialized repair activity (fourth position)
Z	Non-repairable. No repairs authorized (fourth position).
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 maintenance of this item (fourth position).

(3) Recoverability Code. The recoverability code entered in the fifth position indicates the disposition action on unserviceable items.

Code	Definition
Z	Non-repairable. When unserviceable, condemn and dispose at the level indicated in position three (3).
O	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Repairable item. When uneconomically repairable, condemn and dispose at direct support level.
H	Repairable item. When uneconomically repairable, condemn and dispose at general support level.
D	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Repairable 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).

b. Federal Stock Number. Indicates the Federal stock number assigned to the part number. All references to Federal Stock Number change to read "National Stock Number".

NOTE

All Federal Stock Numbers listed in this manual can be changed to National Stock Numbers by adding (2) zeros in the fifth and sixth positions of the Federal Stock Number.

c. Description. Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parenthesis. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42. Items that are included in kits and sets are listed below the name of the kit or set with quantity of each item in the kit or set indicated in front of the item name.

d. Unit of Measure (U/M). Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetic abbreviation, e.g., ea, in., pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns.

e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for an assembly 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.

f. 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. Indicates the callout number used to reference the item on the illustration.

CHAPTER 2

STOVE, GASOLINE, 1-BURNER, MODEL M1950

Section I. DESCRIPTION AND TABULATED DATA

2-1. Description

The Model M1950 1-burner gasoline stove, 5500 BTU/H (fig. 2-1), is a cooking and heating unit. The stove operates on either white or leaded gasoline. The initial pressure for its operation is generated by

ten strokes of the hand pump. Thereafter pressure is generated by a few strokes of the pump and the heat from the burner evaporating the fuel in the fuel tank. The rough, file-like surface of burner shield provides a convenient match striker for use when lighting the burner.

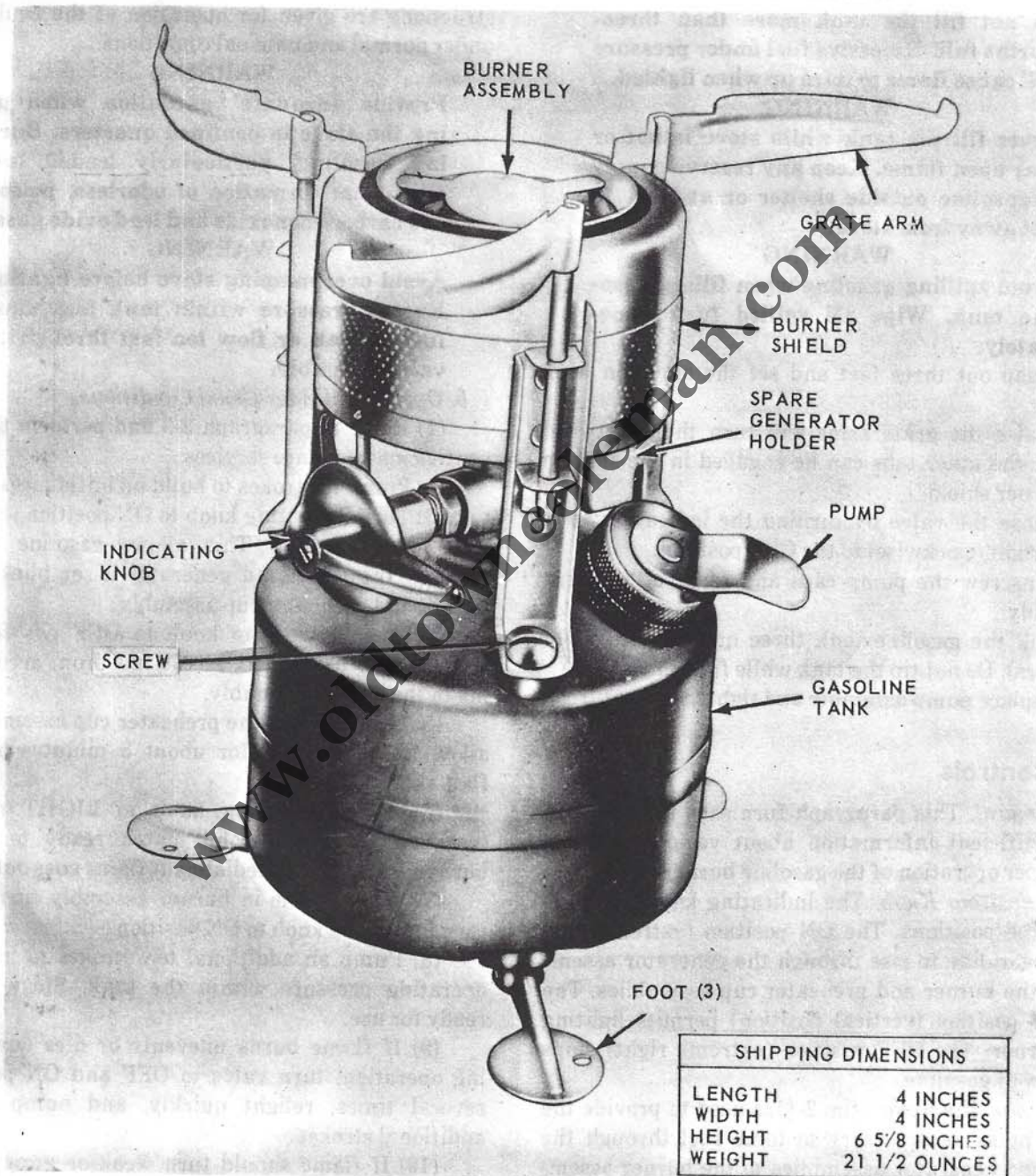


Figure 2-1. 1-Burner gasoline stove, Model M1950.

2-2. Tabulated Data

a. Dimensions and Weight.

Height (closed)	6 5/8 in.
Weight (open)	7 1/4 in.
Diameter (tank)	4 in.

Weight (empty) 21 1/2 oz.

b. Capacity.

Fuel tank capacity	10 oz.
Fuel consumption per hour	4 oz.
Heat units per hour	5500 BTU/H

Section II. OPERATING INSTRUCTIONS

2-3. Setting Up Instructions

To set up the M1950 gasoline stove, proceed as follows:

WARNING

Do not fill the tank more than three-fourths full. Excessive fuel under pressure will cause flame to flare up when lighted.

WARNING

Never fill the tank while stove is hot or near open flame. Keep any reserve supply of gasoline outside shelter or at least 10 feet away from stove.

WARNING

Avoid spilling gasoline when filling gasoline tank. Wipe all spilled fuel immediately.

a. Snap out three feet and set the stove on level surface.

b. Raise the grate arms and turn them outward so that the inner tabs can be engaged in the slots in the burner shield.

c. Close the valve by turning the indicating knob to the right (clockwise) to the OFF position.

d. Unscrew the pump caps and remove the pump assembly.

e. Fill the gasoline tank three quarters full (7 or 8-ounces). Do not tip the tank while filling.

f. Replace pump assembly and tighten cap securely.

2-4. Controls

a. *General.* This paragraph furnishes the operator with sufficient information about various controls for proper operation of the gasoline burner stove.

b. *Indicating Knob.* The indicating knob (fig. 2-1) has three positions. The ON position (extreme left) allows gasoline to rise through the generator assembly to the burner and preheater cup assemblies. The LIGHT position (vertical position) permits lighting the burner. The OFF position (extreme right) stops the flow of gasoline.

c. *Pump.* The pump (fig. 2-1) is used to provide the initial pressure necessary to force fuel through the valve and generator assemblies to the burner assembly and to provide operating pressure within the tank.

2-5. Operation Instructions

a. *General.* The instructions in this paragraph are published for the information and guidance of personnel responsible for operation of the stove. Instructions are given for operation of the equipment under normal and unusual conditions.

WARNING

Provide adequate ventilation when using the stove in confined quarters. Burning gasoline, particularly leaded fuel, will cause formation of odorless, poisonous carbon monoxide and lead oxide gasses.

WARNING

Avoid overpumping stove before lighting. Excess pressure within tank may cause fuel to leak or flow too fast through the valve assembly.

b. *Operation Under Usual Conditions.*

(1) Refer to paragraph 2-9 and perform the preventive maintenance services.

(2) Pump 10 strokes to build up initial pressure.

(3) Turn indicating knob to ON position (extreme left) for 3 seconds. This allows gasoline to rise through the valve and generator assemblies to the burner and preheater cup assembly.

(4) Turn indicating knob to OFF position (extreme right) to prevent excess fuel from accumulating in the burner assembly.

(5) Light wick in the preheater cup assembly and allow flame to burn for about 3 minutes or until flame turns blue.

(6) Turn indicating knob to LIGHT position (vertical). Keep a second match ready to relight burner assembly immediately if flame goes out.

(7) When flame in burner assembly turns blue, turn indicating knob to ON position.

(8) Pump an additional ten strokes to maintain operating pressure within the tank. Stove is now ready for use.

(9) If flame burns unevenly or dies down during operation, turn valve to OFF and ON positions several times, relight quickly, and pump several additional strokes.

(10) If flame should turn weak or grow yellow, pump additional strokes to increase pressure in the tank.

WARNING

If a leak occurs shut off flame immediately and repair leak. On the spot repair of leaks should be confined to tightening of packing nut or replacement of gasket only.

(11) To turn stove off, turn indicating knob to OFF position and allow flame to extinguish itself.

WARNING

After using stove, and flame is extinguished, allow stove to cool. Release pressure in tank by loosening pump cap. Retighten cap after pressure has been released.

c. Operation Under Unusual Conditions.

(1) Operation in extreme cold (below 0°F). In extreme cold weather it may be necessary to preheat stove twice in rapid succession in order for it to properly vaporize and burn the fuel in the burner assembly. Repeat step b above. It may also be necessary to pump a few additional strokes at periodic intervals in order to maintain operating pressure in the tank.

WARNING

In very cold weather or when melting snow, the combustion of fuel may be incomplete producing odorless, poisonous carbon monoxide gas. Adequate ventilation must be provided regardless of outside temperatures.

(2) Operating in strong winds. Shield the gasoline burner stove from winds that may extinguish the flame or reduce efficiency of burner.

(3) Operation in high altitude. When using stove at high altitude, pump fewer strokes to build initial pressure and maintain operating pressure within tank. Since gasoline vaporizes more readily at high altitudes, the excessive pressure caused by this vaporization, in addition to pumping, may flood the burner assembly and produce too high a flame.

2-6. Material Used in Conjunction With the Equipment

a. Case. A two-piece telescoping case is provided with the equipment. Designed as a protective carrier for the gasoline burner stove, the case may also serve as a cooking container. The bottom section of the case holds 3 pints, the top section 1 1/2 pints.

WARNING

Thoroughly wash case before using as food container.

WARNING

Thoroughly wash any utensil in which stove has been stored before using for cooking purposes.

b. Mountain Cookset. The mountain cookset is used with the stove to make a one-burner cooking outfit. The mountain cookset consists of two nested cooking pots and a frying pan.

Section III. OPERATOR AND ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

2-7. Service Upon Receipt of Equipment

a. Inspection.

(1) New stove. A new stove should be inspected by maintenance personnel to make sure that all components are properly assembled, correctly adjusted, and checked to be sure they are all present and in good condition.

(2) Used stove. A stove that has been used or has undergone repairs should be thoroughly inspected and operated to make sure that it is properly assembled and will burn efficiently.

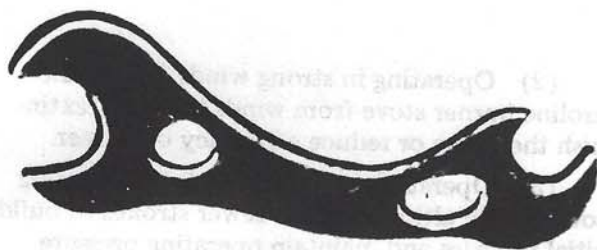
2-8. Operator and Organizational Maintenance Tools and Equipment

a. Basic Issue Tools and Equipment. Basic issue tools and repair parts issued with or authorized for stove are listed in the repair part list, Section VII, and the special tools list, Section VIII.

b. Special Tools and Equipment. A 3/8 X 9/16-inch wrench, listed in table 2-1, is issued with each stove. The wrench is packed with the stove by nesting it between two of the legs that support the burner shield and grate bars.

Table 2-1. Special Tools

Item	NSN or Part No.	Reference		Use
		Figure	Paragraph	
Wrench	5120-00-303-7739	2-2	2-10	Remove air check body from pump



WRENCH

ME 7300-200-12 2-2

Figure 2-2. Special tools.

2-9. Preventive Maintenance Checks and Services

- a. To insure the gasoline burner stove is ready for operation at all times, it must be inspected systematically so that defects may be discovered and corrected before they result in serious damage or failure.
- b. The preventive maintenance services to be performed are listed in table 2-2. The item numbers indicate the sequence of inspection requirements.

Table 2-2. Operator Preventive Maintenance Checks and Services

B—Before Operation
Time required: .5

D—During Operation

A—After Operation
Time required: .3

Interval Sequence No.			ITEM TO BE INSPECTED PROCEDURE	Work Time M/H
B	D	A		
1			GASOLINE TANK Inspect tank for leaks	.1
2			BURNER SHIELD Inspect shield for damage and insecure mounting	.1
3			FEET Inspect feet for damage and insecure mounting	.1
4			INDICATING KNOB Inspect indicating knob for insecure mounting and freedom of movement	.1
5			FUEL PUMP Operate pump several strokes to determine that it will pressurize the tank	.1
		6	BURNER SHIELD Clean the burner shield	.1
		7	PUMP CAL Loosen pump cap and release the pressure	.1
		8	LEATHER CUP Lubricate the air pump leather cup with a few drops of oil (monthly).	.1

2-10. Lubrication

The only lubrication required on the stove is in conjunction with the after operation preventive maintenance service (table 2-2).

2-11. Operator Maintenance

a. Burner Shield.

(1) *Cleaning.* Clean burner shield by washing in cleaning solvent and dry thoroughly.

(2) *Inspection.* Inspect burner shield for deterioration, loose parts, or bending of movable parts.

b. Pump Assembly.

(1) Removal.

(a) Unscrew lower cap (15, fig. 2-3) from gaso-

line tank and remove pump assembly.

(b) Unscrew upper cap (8) from lower pump cap and pull pump plunger tube (9) from pump barrel (16).

(2) Cleaning.

(a) Clean metal parts by wiping with a cloth dampened in cleaning solvent and dry thoroughly.

(b) Clean non-metal parts by wiping with a dry lint free cloth.

(3) Inspection.

(a) Replace a defective filler cup gasket (14). Report additional defects to organizational maintenance.

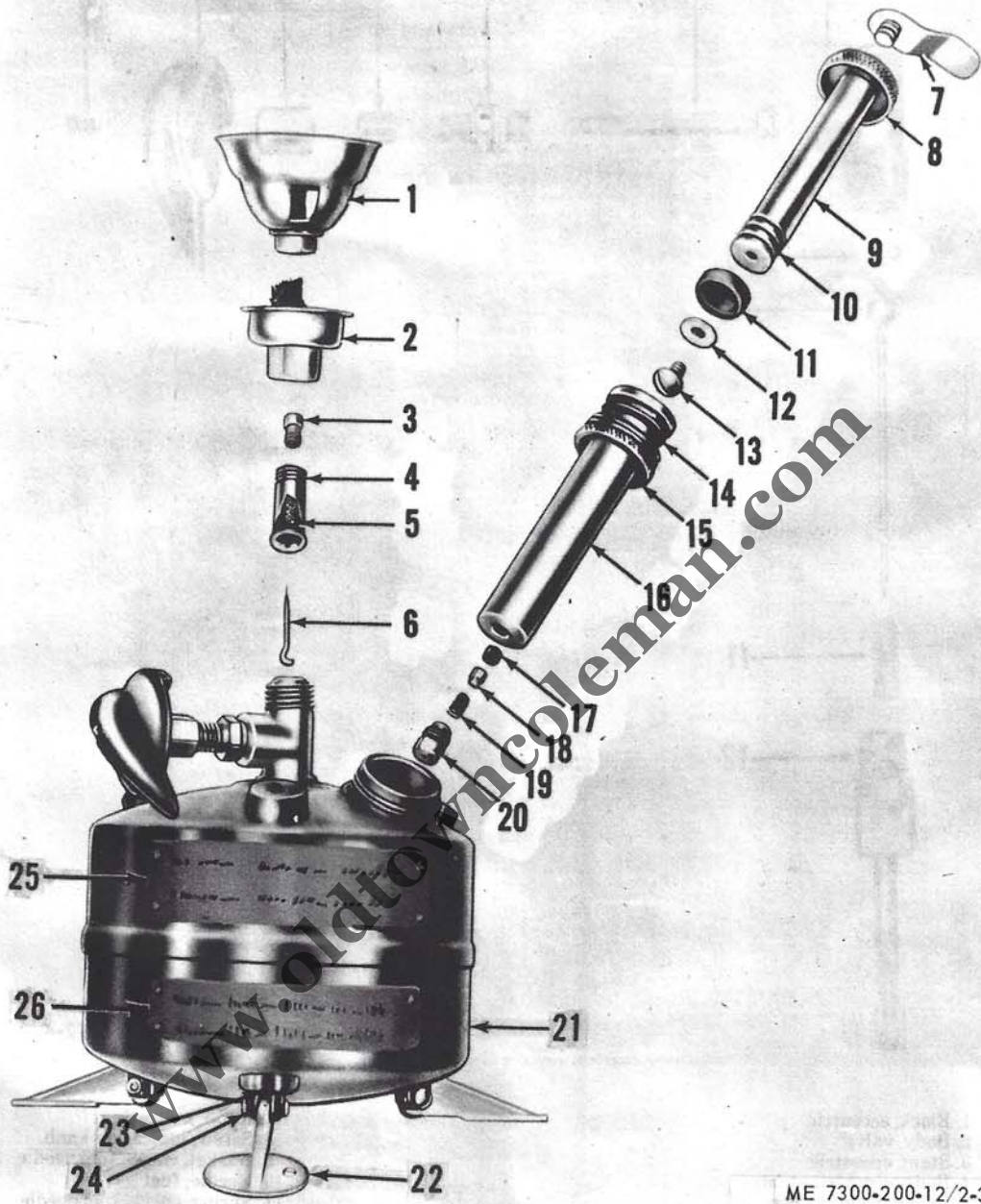
(4) *Installation.*

NOTE

Oil pump leather cup (11) lightly before installing plunger tube in barrel.

(a) Position plunger tube in pump barrel and screw upper cap (8) on lower cap (15).

(b) Position pump assembly in gasoline tank and screw on lower cap.

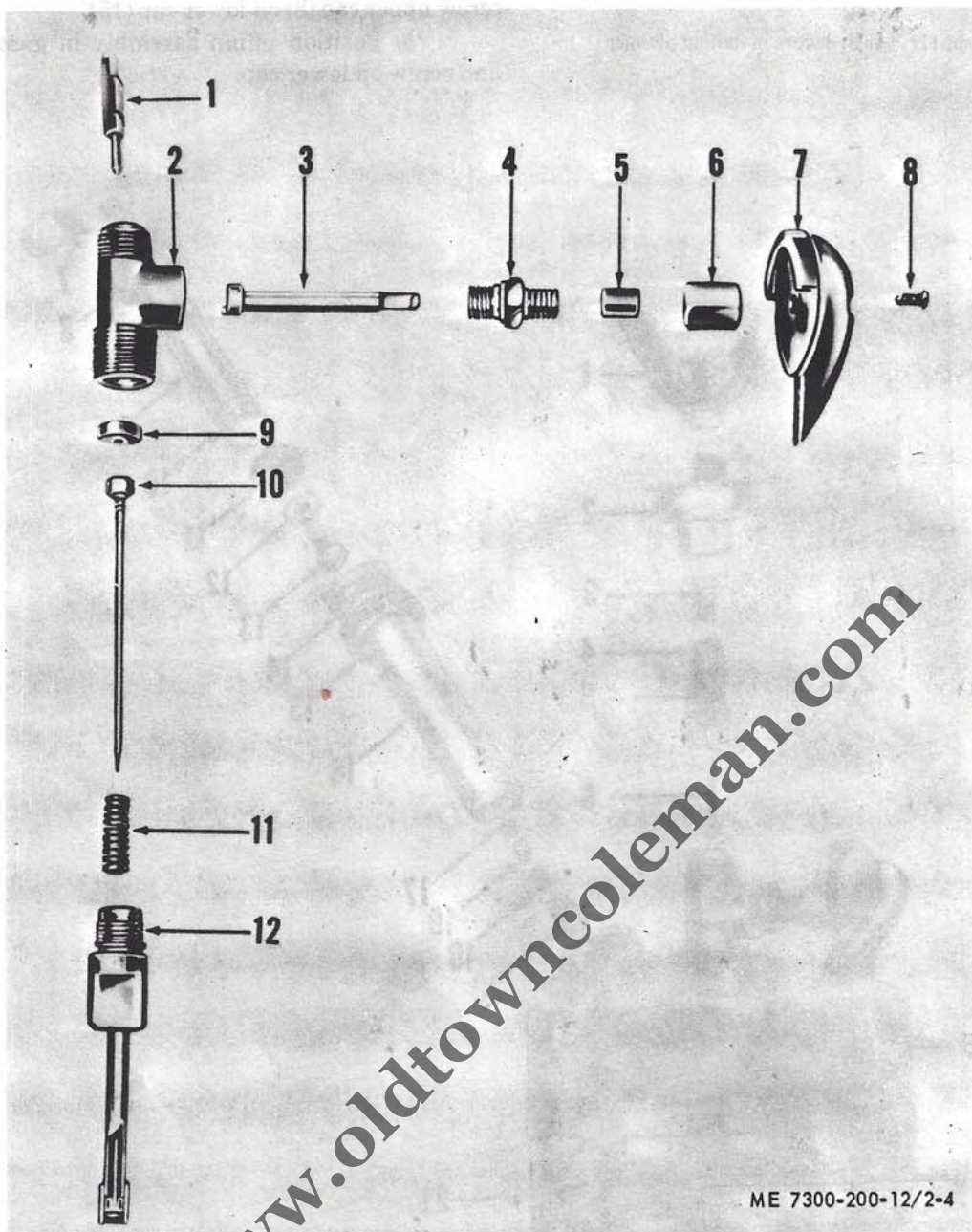


ME 7300-200-12/2-3

1. Burner assembly
2. Preheater cup assembly
3. Tip, gas, generator
4. Tube, generator
5. Screen, generator
6. Rod, cleaner, generator
7. Grip, plunger
8. Cap, upper
9. Tube, plunger
10. Spring, pump plunger
11. Cup, leather, pump
12. Washer, plunger cup
13. Screw

14. Gasket, filler cap
15. Cap, lower
16. Barrel, pump
17. Gasket, air check, pump
18. Seat, gasket, air check, pump
19. Spring, air check, pump
20. Body, air check valve, pump
21. Tank assembly
22. Foot
23. Washer, spring
24. Rivet
25. Decal, lighting instruction
26. Decal, warning

Figure 2-3. Pump and generator assembly.



1. Block, eccentric
2. Body, valve
3. Stem, eccentric
4. Body, eccentric stem
5. Packing, valve stem
6. Nut, packing, eccentric stem

7. Knob, indicating
8. Screw, indicating knob
9. Gasket, check, fuel needle
10. Needle, fuel
11. Spring, check, fuel needle
12. Tube, air and fuel

Figure 2-4. Valve assembly.

c. Carrying Case.

(1) *Cleaning.* Clean carrying case with cloth dampened in cleaning solvent and dry thoroughly.

(2) *Inspection.* Inspect carrying case for damage, dents, and serviceability.

2-12. Troubleshooting

This paragraph provides information useful in diagnosing and correcting unsatisfactory operation or failure of the gasoline burner stove and its components. Malfunctions which may occur are listed in table 2-3.

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
GASOLINE STOVE		
1. YELLOW FLAME		
	Step 1. Inspect for clogged gas tip.	Turn indicating knob OFF-ON several times, relight stove, pump 10 strokes.
	Step 2. Inspect to see if generator is clogged.	Replace generator assembly (para 2-13c) or clean generator assembly in solvent. In emergency, clogged generator can be cleaned by laying it on a flame for 3 minutes.
	Step 3. Inspect underside of burner plate to see if it is coated with lead oxide.	Scrape plate with piece of wire or metal or wipe with cloth.
2. FLAME TOO LARGE		
	Step 1. Check to see if pressure is too high.	Turn knob OFF. Allow stove to cool. Release pressure by loosening pump cap, retighten cap, pump 10 strokes and relight stove.
	Step 2. Check to see if generator orifice is defective or damaged.	Replace generator assembly (para 2-13c).
3. FLAME TOO SMALL		
	Step 1. Check to see if pressure is too low.	Pump several strokes.
	Step 2. Inspect for clogged gas tip.	Turn indicating knob OFF-ON several times. Relight stove. If necessary, scrape gas tip with knife or wire, being careful not to enlarge hole.
4. PUMP NOT FUNCTIONING		
	Step 1. Inspect to see if pump leather cup is too hard.	Soften with a light silicone base oil or replace cup (para 2-11b).
	Step 2. Check to see if pump leather cup is too loose or worn.	Replace cup (para 2-11b).
5. LEAKAGE AROUND PUMP		
	Inspect for faulty gasket.	Replace gasket (para 2-11b).
6. LEAKAGE AROUND PUMP PLUNGER TUBE		
	Inspect for faulty air check valve.	Replace valve (para 2-13e).

2-13. Organizational Maintenance

a. Burner Shield.

(1) *Removal.* To remove burner shield (fig. 2-1), remove three screws holding burner shield legs to fuel tanks.

(2) *Cleaning and inspection.* Clean and inspect burner shield, refer to paragraph 2-11a.

(3) Install burner shield by installing on fuel tank and securing with screws.

b. *Burner and Preheater Cup Assemblies.* The burner assembly screwed to the top of generator tube is designed to mix the atomized fuel with air and to shape the flame so that mixture will burn efficiently.

(1) *Removal.* Remove burner shield (a above). Unscrew burner assembly (1, fig. 2-3) from the top of the generator tube (4). Unscrew preheater cup assembly from top of valve body.

(2) *Cleaning.* Clean metal parts by wiping with cloth dampened with cleaning solvent and dry thoroughly.

(3) *Inspection.* Inspect for deterioration, worn or stripped threads.

(4) *Installation.* Screw preheater cup to valve body. Position burner assembly, firmly hold preheater cup, and screw burner assembly to top of generator tube. Install burner shield (a above).

c. *Generator Assembly.* The generator assembly consists of a generator tube fitted with a gas tip and holding a generator screen coiled around a cleaning rod. When heated the generator assembly vaporizes the gasoline flowing through it from the valve assembly (fig. 2-4) and ejects the flammable vapors through the gas tip to burner assembly. The generator screen provides a vaporizing and heating chamber as well as a filter for the gasoline. The cleaner rod raised and lowered by turning of indicating knob is pushed onto orifice of gas tip, thereby cleaning orifice when knob is turned OFF.

(1) *Removal.* Remove burner shield, burner, and preheater cup. Lift generator tube (4, fig. 2-3) slightly and unhook cleaner rod (6) from its retain-

Section IV. SHIPMENT AND LIMITED STORAGE AND DEMOLITION TO PREVENT ENEMY USE

2-14. Shipment and Limited Storage

a. Preparation of Equipment for Shipment.

(1) General. This paragraph provides instructions for preparation of the stove for shipment within zone of interior.

(2) Inspection. Inspect the stove for unusual conditions such as rust or damage. Report all deficiencies on appropriate forms complete with corrective action taken.

(3) Cleaning. Remove all contaminations from stove using approved methods. Refer to TM 38-230-1 for approved methods of cleaning, drying, types of preservatives, and methods of application.

(4) Painting. Repaint all surfaces where the paint has been damaged or removed. Refer to TM 9-213 for detailed cleaning and painting instructions.

(5) Depreservation guide. (DA Form 2258).

(a) A properly annotated depreservation guide will be completed for each item. Any peculiar requirements will be indicated in the blank spaces provided on the form. The completed form will be placed in a waterproof envelope marked "Depreservation Guide" and attached to the stove.

(b) Prior to placing the stove into operation, depreserve the unit as outlined in the depreservation guide.

(6) Preservation.

(a) Coat the threads, screws, bolts, and screw fittings with a light coat of type P-7 preservative oil conforming to MIL-L-3150, or engine oil of the same grade or weight if preservative oil is not available.

(b) Apply a coat of type P-10 preservative oil conforming to MIL-L-21260, grade 1, 2, or 3 to both ferrous and non-ferrous surfaces of the stove, including components and auxiliary equipment. If preservative oil is not available, use engine oil of the same weight and grade.

(7) Sealing of openings. Cover all openings into the stove that will permit the direct entry of dirt, dust, water, with class 1 pressure sensitive tape conforming to PPP-T-60.

(8) Cooking utensils. When cooking utensils are included, they will be cleaned and preserved as follows:

(a) Clean and sanitize with a sanitizing rinse solution using one of the following chemical solutions followed by clear water rinse and dried with dry compressed air.

1. One pouch of food service disinfectant conforming to MIL-D-11309, FSN 6840-270-8172, dissolved in 25 gallons of water.

2. Two ampules of chlorine water purification powder conforming to FED-OC-289, FSN 6850-270-6225, dissolved in 1 gallon of water.

(b) Coat surfaces of utensils with type P-14 preservative conforming to MIL-C-10382.

NOTE

Preservative may be removed by water and detergent followed by hot water rinse.

b. Puckering

(1) Snap the three feet in under stove.

(2) Turn grate arms inward and lower them into stowed position.

(3) If provided with case, place stove in case making certain fuel tank is at bottom of case. Use any approved non-hygroscopic cushioning material available to cushion stove.

(4) Seal the case with pressure sensitive tape, Class 1, PPP-T-60.

2-15. Destruction of Material to Prevent Enemy Use

a. Authority. The stove will be destroyed if it is in danger of being captured and used by the enemy, and upon the order of the unit commander.

b. Methods. Remove the valve burner assembly and the pump assembly and destroy. Destroy the same parts on all stoves to prevent enemy use through cannibalization. If possible crush the entire unit. Be sure to obliterate all serial numbers, nameplates, and unit markings.

Section V MAINTENANCE ALLOCATION CHART

Section I. INTRODUCTION

2-16. General

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. Section 2 designates overall responsibility for the performance of maintenance functions on the identified end item or component and the work measurement time required to perform the functions by the designated maintenance level. The implementation of the maintenance functions upon the end item or component will be consistent with the assigned maintenance functions.

c. Section 3 lists the special tools and test equipment required for each maintenance function as referenced from Section 2.

d. Section 4, not applicable.

2-17. Explanation of Columns in Section 2

a. Column (1) Group Number. All Federal Stock Numbers listed in this manual can be changed to National Stock Numbers by adding (2) zeros in the fifth and sixth positions of the Federal Stock Number.

b. Column (2), Functional Group. This column contains a brief description of the components of each numerical group.

c. Column (3), Maintenance Functions. This column lists the various maintenance functions (A through K). The lowest maintenance level authorized to perform these functions is indicated by a symbol in the appropriate column. Work measurement time standards (the active repair time required to perform the maintenance function) are shown directly below the symbol identifying the maintenance level. The symbol designations for the various maintenance levels are as follows:

- C—Operator or crew
- O—Organizational maintenance
- F—Direct support maintenance
- H—General support maintenance
- D—Depot maintenance

The maintenance functions are defined as follows:

A. Inspect: To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards through examination.

B. Test: To verify serviceability and detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

C. Service: Operations required periodically to keep an item in proper operating condition, i.e., to clean, to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

D. Adjust: To maintain within prescribed limits by bringing into proper or exact position or by setting the operating characteristics to specified parameters.

E. Aline: To adjust specified variable elements of an item to bring about optimum or desired performance.

F. Calibrate: To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipments used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

G. Install: The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

H. Replace: The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

I. Repair: The application of maintenance services (inspect, test, service, adjust, aline, calibrate, or 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 or assembly), end item, or system.

J. Overhaul: That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i.e., DMWR) in appropriate technical publication. 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: Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is

the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurement (hours/miles, etc.) considered in classifying Army equipment/components.

d. Column (4). Tools and Equipment: This

column is provided for referencing by code the special tools and test equipment (sec 3) required to perform the maintenance functions (sec 2).

e. Column (5). Remarks: This column is provided for referencing by code the remarks pertinent to the maintenance functions.

Section 2. MAINTENANCE ALLOCATION CHART

(1) Group No.	(2) Assembly group	(3) Maintenance Functions											(4) Tools and equipment	(5) Remarks
		A	B	C	D	E	F	G	H	I	J	K		
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul	Rebuild		
0101	GROUP 01. STOVE, GASOLINE Cup, Utility								0				1-H	
0102	Shield Assy, Burner								0					
0103	Holder, Spare Gen.								0					
0104	Burner Assy								0.1					
0105	Cup Assy, Wick								0					
0106	Generator Assy	0							0.1					
0107	Valve Assy, Fuel	0.1			0				0	0				
0108	Pump Assy				0.1				0.1	0.2				
0109	Tank Assy	0							0	0				
		0.1							0.1	0.2				

Section 3. SPECIAL TOOL AND SPECIAL TEST EQUIPMENT REQUIREMENTS

Reference code	Maintenance level	Nomenclature	Tool number
1-H	0	Wrench	5120-303-7739

Section VI Deleted

Change I

2-11

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUS- TRATION	
					(a)	(b)	(c)	(d)	(a)	(b)
					1-5	6-20	21-50	51-100	FIG. NO.	ITEM NO.
		SECTION VII - REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE GROUP 01 - STOVE, GASOLINE GROUP 0101 - STOVE, GASOLINE								
PAOOL	7310-285-6155	STOVE, W/CASE	EA	1	*	*	*	*		
PAOOO	7310-379-2418	CASE, CARRYING 2-2-148 (81337)	EA	1	*	*	*	*		
XBOZZ		UTILITY CUP, LARGE 520-436 (80309)	EA	1						
XBOZZ		UTILITY CUP, SMALL 520-437 (80309)	EA	1						
PAOOL	7310-281-2215	STOVE, W/O CASE	EA	1	*	*	*	*	2-1	
PAOZZ	7310-379-2415	SHIELD ASSEMBLY, BURNER 2-2-107 (81337)	EA	1	*	*	*	*	2-1	
PAOZZ	5305-297-7482	SCREW, MACHINE 536-160 (80309)	EA	3	*	*	*	*	2-1	
PAOZZ	7310-379-2430	HOLDER, SPARE, GENERATOR 2-2-107 (81337)	EA	1	*	*	*	*	2-1	
PAOZZ	7310-690-0850	BURNER ASSEMBLY 2-2-104 (81337)	EA	1	*	*	*	*	2-3	1
PAOZZ	7310-379-2447	PREHEATER 2-2-110 (81337)	EA	1	*	*	*	*	2-3	2
XBOZZ		CUP ASSEMBLY, W/O WICK 237-308 (80309)	EA	1					2-3	2
XBOZZ		NUT, JAM, GENERATOR 536-210 (80309)	EA						2-3	2
XBOZZ		WICK 536-309 (80309)	EA	1					2-3	2
PAOZZ	7310-379-2424	GENERATOR ASSEMBLY 2-2-110 (81337)	EA	2	*	*	*	*	2-3	
XBOZZ		TIP, GAS 520-218 (80309)	EA	1					2-3	3
XBOZZ		TUBE, GENERATOR 520-212 (80309)	EA	1					2-3	4
XBOZZ		SCREEN, GENERATOR 520-259 (80309)	EA	1					2-3	5
XBOZZ		ROD, CLEANER 530-238 (80309)	EA	1					2-3	6
PAOZZ	7310-379-2449	PUMP ASSEMBLY 2-2-112 (81337)	EA	1	*	*	*	*	2-3	
		CUP, LEATHER, AIR PUMP 2-2-112 (81337)	EA	1					2-3	11
		GASKET, FILLER CAP 2-2-113 (81337)	EA	1					2-3	14
XBOZZ		PLUNGER ASSEMBLY 536-496 (80309)	EA	1					2-3	
XDOZZ		GRIP, W/STUD 536-518 (80309)	EA	1					2-3	7
XBOZZ		CAP, UPPER 536-505 (80309)	EA	1					2-3	8
XDOZZ		TUBE, PLUNGER 536-506 (80309)	EA	1					2-3	9
XDOZZ		SPRING, PLUNGER 528-511 (80309)	EA	1					2-3	10

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUS- TRATION	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG. NO.	(b) ITEM NO.
PAOZZ	4320-272-7686	CUP, LEATHER 536-5091 (80309)	EA	1	*	*	*	*	2-3	11
XDOZZ		WASHER, CUP PLUNGER 528-512 (80309)	EA	1					2-3	12
XDOZZ		SCREW, MACHINE 528-451 (80309)	EA	1					2-3	13
PAOZZ	5330-379-2422	GASKET, CAP 528-1361 (80309)	EA	1	*	*	*	*	2-3	14
XBOZZ		CAP, LOWER 536-504 (80309)	EA	1					2-3	15
XBOZZ		BARREL, PUMP 536-517 (80309)	EA	1					2-3	16
PAOZZ	7310-379-2456	VALVE ASSEMBLY, AIR CHECK 2-2-112 (81337)	EA	1	*	*	*	*	2-3	
XDOZZ		GASKET, AIR CHECK VALVE 250A510 (80309)	EA	1					2-3	17
XDOZZ		SEAT, AIR CHECK VALVE 250-505 (80309)	EA	1					2-3	18
XDOZZ		SPRING, AIR CHECK VALVE 536-508 (80309)	EA	1					2-3	19
XDOZZ		BODY, AIR CHECK VALVE 528-503 (80309)	EA	1					2-3	20
XBOZZ		TANK ASSEMBLY 536-159 (80309)	EA	1					2-3	21
PAOZZ	7310-269-9035	FOOT 2-2-106 (81337)	EA	3	*	*	*	*	2-3	22
PAOZZ	5310-209-3800	WASHER, SPRING 1202-763 (80309)	EA	3	*	*	*	*	2-3	23
PAOZZ	5300-990-5286	RIVET, FOOT 536-451 (80309)	EA	3	*	*	*	*	2-3	24
XCOZZ		DECAL, LIGHT, INSTRUCTION 536A453 (80309)	EA	1					2-3	25
XCOZZ		DECAL, WARNING 536-454 (80309)	EA	1					2-3	26
PAOZZ	7310-379-2457	VALVE ASSEMBLY 2-2-108 (81337)	EA	1	*	*	*	*	2-4	
XBOZZ		BLOCK, ECCENTRIC 536-304 (80309)	EA	1					2-4	1
XBOZZ		BODY, VALVE 536-607 (80309)	EA	1					2-4	2
XBOZZ		STEM, ECCENTRIC 536-314 (80309)	EA	1					2-4	3
XBOZZ		BODY, ECCENTRIC 536-321 (80309)	EA	1					2-4	4
PAOZZ	5330-379-2442	PACKING, STEM, NUT 2-2-108 (81337)	EA	1	*	*	*	*	2-4	5
PAOZZ		PACKING, ECCENTRIC STEM, VALVE BODY 2-2-108 (81337)	EA	1					2-4	5
XBOZZ		NUT, PACKING 536-319 (80309)	EA	1					2-4	6
PAOZZ	7310-360-0110	KNOB, INDICATING D2-2-108 (81337)	EA	1	*	*	*	*	2-4	7
PAOZZ	5305-285-3958	SCREW, MACHINE 1098-0005 (80309)	EA	1	*	*	*	*	2-4	8
XDOZZ		GASKET, CHECK 253-504 (80309)	EA	1					2-4	9

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE		(4) UNIT ON MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUS- TRATION	
						(a)	(b)	(c)	(d)	(a)	(b)
						1-5	6-20	21-50	51-100	FIG. NO.	ITEM NO.
XBOZZ		NEEDLE ASSEMBLY, FUEL 536-138 (80309)		EA	1					2-4	10
XBOZZ		SPRING, CHECK 253-501 (80309)		EA	1					2-4	11
XBOZZ		TUBE ASSEMBLY, AIR AND FUEL 536-1461 (80309)		EA	1					2-4	12
		SECTION VIII - SPECIAL TOOLS FOR ORGANIZATIONAL MAINTENANCE									
		GROUP 01 - SPECIAL TOOLS									
PAOZZ	5120-303-7739	WRENCH, 2-2-111 (81337)		EA	1	*	*	*	*	2-2	

CHAPTER 3 STOVE,GASOLINE 2-BURNER,MODEL M1942

Section I. DESCRIPTION AND TABULATED DATA

3-1. Description

The 2-burner gasoline stove, Model M1942, 5000 BTU/H, is capable of operating from 3- to 5-hours on a single filling of fuel. The major components of the stove are a carrying case (3, fig. 3-1), a wind shield (2), fuel tank (15), legs (16), two burner head assemblies (4), two fuel valve assemblies (6) and an air pump assembly.

3-2. Tabulated Data

a. Dimensions and weight.

Size of carrying case 14½x8¾x14½ in.

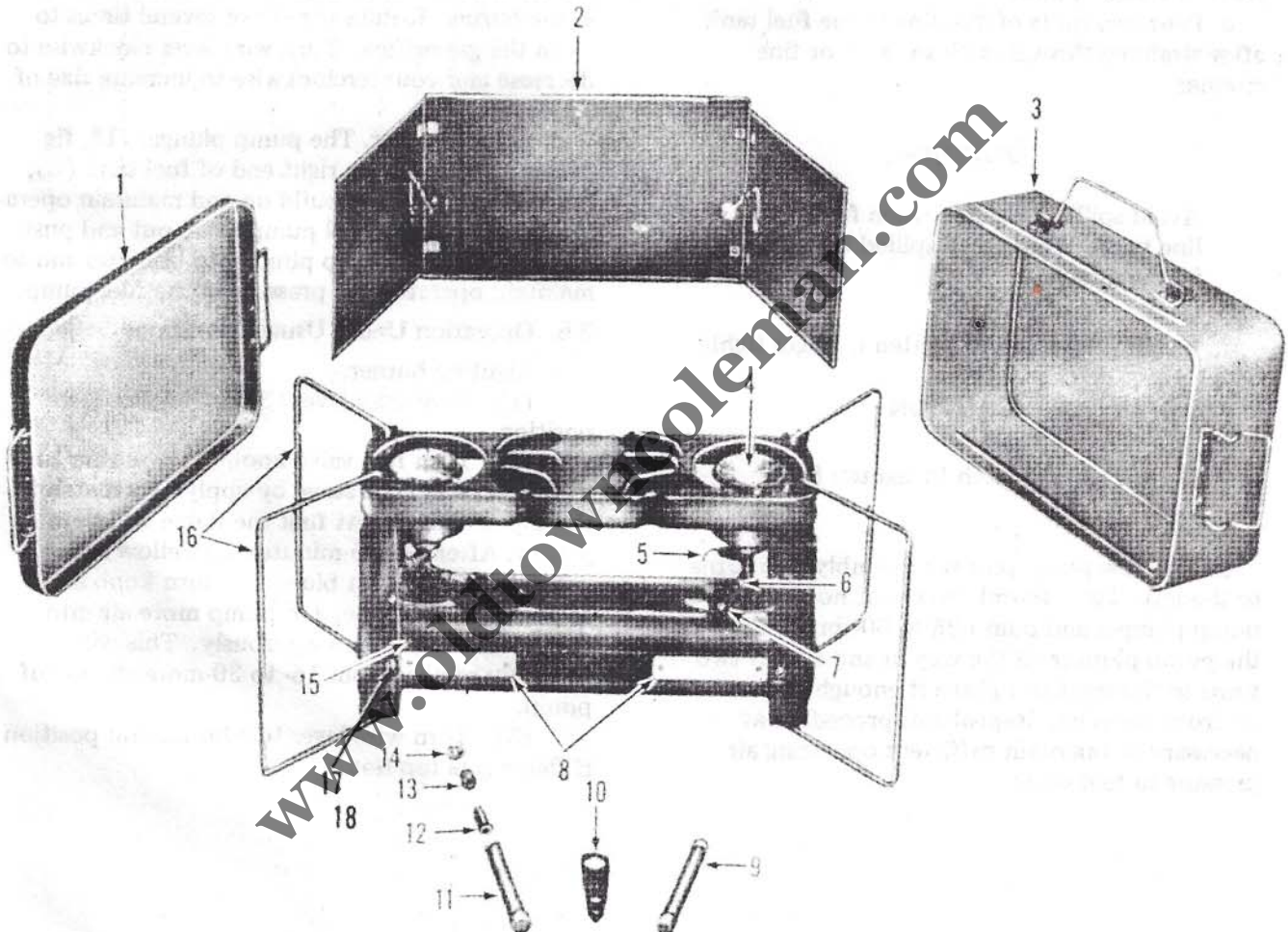
Weight of stove with empty fuel tank (including carrying case) 12 pounds

b. Capacities.

Fuel tank capacity 2 pints

Fuel tank consumption 2 pints per 3- to 5-hrs

Heat units per hour 5000 BTU/H



- | | | | |
|---------------------------------|-------------------------|----------------------------------|----------------|
| 1. Case, carrying | 6. Valve assembly, fuel | 11. Holder, repair parts (empty) | 15. Tank, fuel |
| 2. Wind shield assembly | 7. Knob, fuel valve | 12. Generator assembly | 16. Legs |
| 3. Case, carrying (with Item 1) | 8. Plates, direction | 13. Packing, valve stem | 17. Screw |
| 4. Head assembly, burner | 9. Spare parts holder | 14. Top, repair parts,holder | 18. Washer |
| 5. Lever, wire | 10. Wrench Assembly | | |

ME 7300-200-12/3-1

Figure 3-1.2. Burner gasoline stove with carrying case and wind shield.

Section II. OPERATING INSTRUCTIONS

3-3. Setting Up Instructions

- a. In choosing a site for the stove, care should be taken to prevent food contamination and fire, and to observe all safety precautions. If the stove is used indoors on a wooden floor, place it on a level bed of sand, stone, or dirt.
- b. Extend supporting legs (16, fig. 3-1) and place stove upright in a level position.
- c. Close fuel valve by turning valve knob (7) to the right (clockwise) to OFF position.
- d. Unscrew filler cap (18, fig. 3-2) and put it aside in a clean place.
- e. Pour two pints of gasoline in the fuel tank after straining through a clean cloth or fine strainer.

WARNING

Avoid spilling gasoline when filling gasoline tank. Wipe up all spilled fuel immediately.

- f. Install filler cap and tighten it finger tight.

CAUTION

Do not use a wrench to tighten filler cap.

- g. Unscrew pump plunger assembly two turns to the left. Put a thumb over vent hole on top of pump plunger and pump 25-to 30-times. Push the pump plunger all the way in and turn it two turns to the right to tighten it enough to prevent air from escaping. Repeat this procedure as necessary to maintain sufficient operating air pressure in fuel tank.

3-4. Controls

- a. General. This paragraph describes the various controls and provides the operator sufficient information to insure proper operation of the stove.

- b. Fuel Valve Knobs. A knob (7, fig. 3-1) is located on each fuel valve assembly. It regulates flow of fuel to burner head assembly. Turn knob clockwise for less fuel and counterclockwise for more fuel.

- c. Wire Levers. A wire lever (5) is located on each fuel valve assembly (6). It is used to clean the gas orifice and to adjust the size of the flame in the burner. Rotate wire lever several times to clean the gas orifice. Turn wire lever clockwise to decrease and counterclockwise to increase size of the flame.

- d. Pump Plunger. The pump plunger (13, fig. 3-2) is located on the right end of fuel tank (15, fig. 3-1). It is used to build up and maintain operating air pressure in fuel pump. Pull out and push in (or pump) the pump plunger to build up and to maintain operating air pressure in the fuel pump.

3-5. Operation Under Usual Conditions

- a. Lighting burner.

- (1) Turn wire lever (5, fig. 3-1) to down position.

- (2) Turn fuel valve knob (7) a quarter turn to the left and light stove by applying a match to the top of burner. At first the flame will burn yellow. After 3- to 5-minutes the yellow flame will subside and turn blue; then turn knob as far to the left as possible, and pump more air into the tank until flame burns vigorously. This will probably require from 15- to 30-more strokes of pump.

- (3) Turn wire lever to a horizontal position if flame gets too hot.

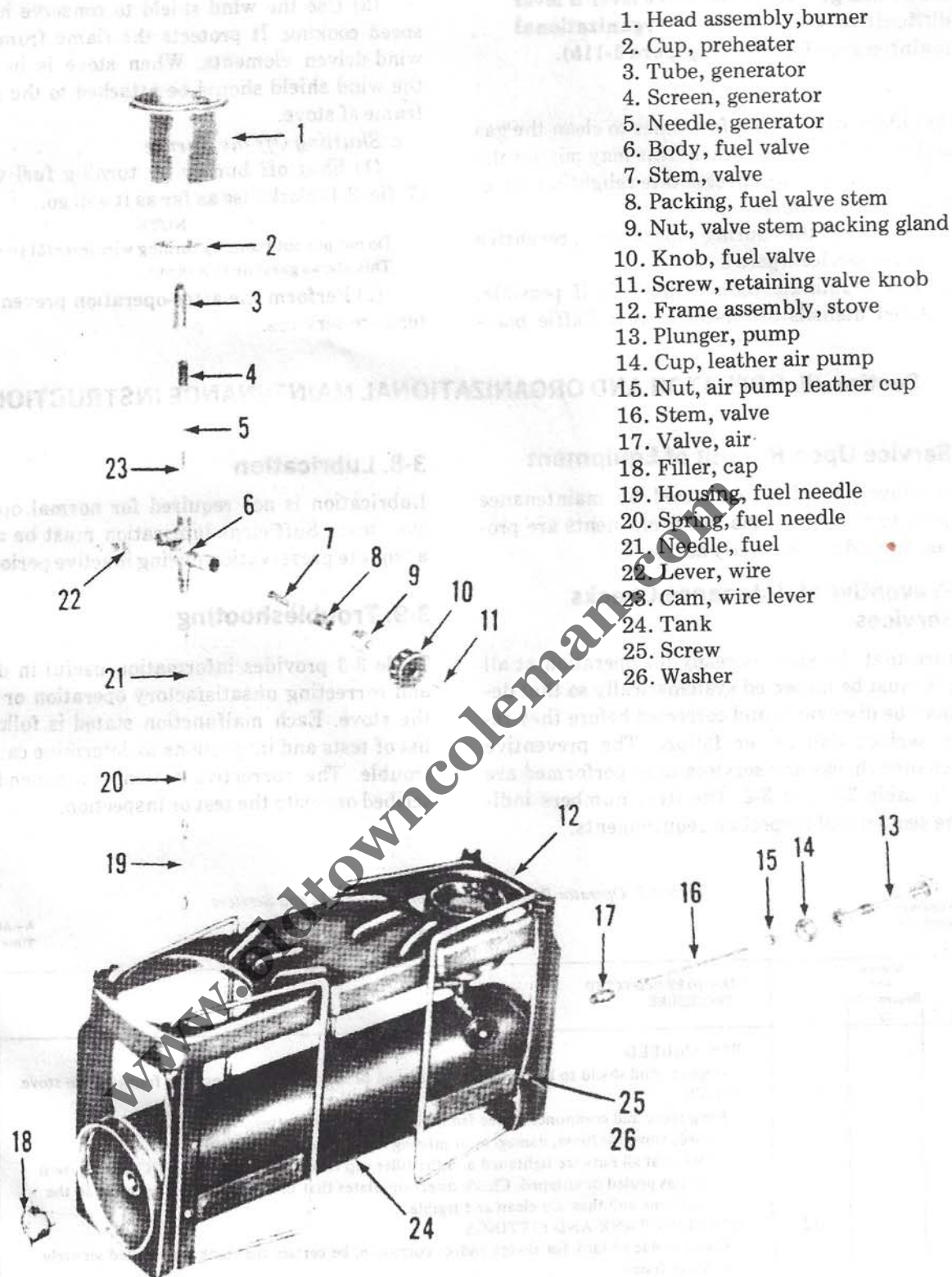


Figure 3-2. Burner head, generator, fuel valve, pump plunger, and air valve and stem assemblies, exploded view.

CAUTION

Do not turn lever too far upward or the flame will go out. Do not force lever if lever difficult to turn. Refer to organizational maintenance for cleaning (para 3-11b).

(4) Rotate wire lever a few times to clean the gas orifice if flame begins to flicker. This may put out the flame, however, and will necessitate relighting stove.

b. Operating the Stove.

(1) Perform the during operation preventive maintenance services (para 3-7).

(2) Use aluminum cooking utensils if possible. If tin-plated utensils are used, place a baffle plate

between the utensils and the flame. The baffle plate can be aluminum or any thin piece of metal.

(3) Use the wind shield to conserve heat and to speed cooking. It protects the flame from wind and wind-driven elements. When stove is in operation, the wind shield should be attached to the supporting frame of stove.

c. Shutting Off the Burner.

(1) Shut off burner by turning fuel valve knob (7, fig. 3-1) clockwise as far as it will go.

NOTE

Do not put out flame by turning wire lever (5) straight up. This allows gasoline to leak out.

(2) Perform the after-operation preventive maintenance services.

Section III. OPERATOR AND ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

3-6. Service Upon Receipt of Equipment

A new stove should be inspected by maintenance personnel to make sure that all components are properly assembled and correctly adjusted.

3-7. Preventive Maintenance Checks and Services

To insure that the stove is ready for operation at all times, it must be inspected systematically so that defects may be discovered and corrected before they result in serious damage or failure. The preventive maintenance checks and services to be performed are listed in table 3-1 and 3-2. The item numbers indicate the sequence of inspection requirements.

3-8. Lubrication

Lubrication is not required for normal operation of the stove. Sufficient lubrication must be applied for adequate preservation during inactive periods.

3-9. Troubleshooting

Table 3-3 provides information useful in diagnosing and correcting unsatisfactory operation or failure of the stove. Each malfunction stated is followed by a list of tests and inspections to determine causes of the trouble. The corrective action recommended is described opposite the test or inspection.

Table 3-1. Operator Preventive Maintenance Checks and Services

B—Before Operation
Time Required: 1.1

D—During Operation

A—After Operation
Time Required: 0.7

Interval and Sequence No.			ITEM TO BE INSPECTED PROCEDURE	Work Time M/H
B	D	A		
1			WIND SHIELD	
			Inspect wind shield to be certain it is attached properly to the supporting frame of the stove.	.1
2		11	STOVE	
			Keep stove and components free from dirt and foreign matter.	.1
			Inspect stove for loose, damaged, or missing components.	.1
			Check that all nuts are tightened and the filler cap is tightened finger tight. Check to see if paint has peeled or chipped. Check direction plates that they are attached securely to the stove frame and they are clean and legible.	.1
3		12	GASOLINE TANK AND FITTINGS	
			Check inside of tank for sludge and/or corrosion, be certain fuel tank is mounted securely in stove frame.	.1
			Check fuel tank for the prescribed amount (2 pints) of fuel.	.1
			Be sure there are no leaks in fuel tank or around the fuel valves.	.1
4		13	GENERATOR AND CONNECTING PARTS	
			Inspect each burner head assembly to see if it is tightened firmly onto its generator assembly; each generator assembly firmly into its fuel valve assembly; and each fuel valve assembly firmly into the fuel tank.	.1
5			GAS ORIFICE	
			Clean the gas orifice by rotating the wire levers several times.	.1

Interval and Sequence No.			ITEM TO BE INSPECTED PROCEDURE	Work Time M/H
B	D	A		
6		14	FUEL CONTROLS Inspect valve knobs and wire levers for distortion, noticeable defects and insecure mounting.	.1
	9		CONTROLS Light burner and check fuel valve, wire lever, and pump plunger. The valve should regulate the flow of fuel to burner head assembly.	.1
7			The wire lever should adjust the size of the flame in burner and it should push the generator tip to clean gas orifice. The pump plunger should pump air into fuel tank. Be sure the lever and pump plunger does not have stripped threads and the valve knobs do not have stripped splines. They should operate without looseness and/or binding.	.1
	10		Check size of flame. If flame gets too hot, turn the wire lever upward to adjust the flame.	.1
			AIR PRESSURE Pump more air into fuel tank at various intervals during extended periods of operation.	.1
			There should always be enough air in fuel tank to produce a blue flame.	

Table 3-2. Organizational Preventive Maintenance Checks and Services

W—Weekly M—Monthly

Interval and Sequence No.		ITEM TO BE INSPECTED PROCEDURE	Work Time M/H
W	M		
	1	FILLER CAP Inspect filler cap for stripped threads and for proper closure.	.1
	2	BURNER HEAD ASSEMBLIES Inspect burner head assemblies for dirt, corrosion, and burned out flame spreaders. (Top part of burner head assemblies). Check burner head assemblies that they are tightened securely onto the generator assemblies.	.1
	3	GENERATOR ASSEMBLIES Check generator needle and tubes to see if they are broken, bent, or corroded. Check the generator screens for tears. Be certain the generator assemblies are tightened firmly into the fuel valve assemblies.	.1
	4	AIR VALVE AND STEM ASSEMBLY Check air valve and stem assembly for distortion and stripped threads (para 3-11c).	.1
	5	PUMP PLUNGER ASSEMBLY Check pump plunger assembly for stripped threads, bends, or any other damage. Be certain the spring is not broken or damaged.	.1
	6	AIR PUMP LEATHER CUP Check air pump cup to be sure it is not torn, stretched, or glazed.	.1
	7	FUEL VALVE ASSEMBLY Check fuel valve assemblies (including preheater cups) for cracks and distortion.	.1
	8	FUEL VALVE STEM Inspect valve stem packing gland nut for stripped threads and other damage; the valve stem for stripped threads and splines; and the seats of the valve stems for grooves.	.1
	9	VALVE STEM PACKING Be certain valve stem packing is not work or broken (para 3-11e)	.1
	10	FUEL NEEDLE Check tension of the fuel needle spring. Check fuel needle and fuel needle housing for bands and corrosion.	.1
		OPERATIONAL TEST	
	11		
		LIGHTING BURNER Light both burners on stove and allow them to burn for a sufficient time. Check flame; at first it is yellow but it should turn blue within 3-to 5-minutes (para 3-5). Check for fuel leaks around filler cap and fuel valve assemblies.	.1
		Observe burners to see that they operate properly	.1
	12	CONTROLS Inspect the controls to see that they work properly without binding and looseness (para 3-4). Operate the pump to be certain sufficient air passes through air valve into fuel tank.	.1
		Adjust fuel valve knobs to regulate flow of fuel to each.	.1
		Rotate wire levers to adjust size of flame of each burner.	.1

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
1. BURNER-FAILS TO LIGHT		
	Step 1. Inspect for insufficient air pressure.	Pump 25- to 30-full strokes to build up air pressure.
	Step 2. Check to see if gasoline tank is empty.	Fill gasoline tank with prescribed amount (2 pints) of gasoline.
	Step 3. Check for water in gasoline tank.	Clean gasoline tank (para 3-11).
	Step 4. Inspect gas orifice to see if it is clogged.	Rotate wire lever several times to clean orifice (para 3-4c).
	Step 5. Burner not protected from wind and wind element.	Install windshield.
2. FLAME BURNS YELLOW		
	Step 1. Check to see if pressure is too low in tank. Pump several additional strokes to build up air pressure in gasoline tank.	
	Step 2. Inspect for carbon and dirt on burner.	Clean burner head assembly (para 3-10b).
3. PUMP DOES NOT OPERATE PROPERLY		
	Step 1. Inspect air pump leather cup or pump plunger to see if defective.	Install serviceable air pump leather cup or pump plunger assembly as necessary (para 3-11c)
	Step 2. Inspect air valve to see if defective.	Install serviceable air valve and stem assembly (para 3-11c)
4. GASOLINE LEAKS AROUND FILLER CAP		
	Step 1. Inspect filler cap for defective condition.	Install serviceable filler cap (para 3-10c)
5. GASOLINE LEAKS AROUND FUEL VALVE BODY		
	Step 1. Inspect valve assembly for defective condition.	Install serviceable fuel valve assembly (para 3-11b)
6. LOSS OF AIR PRESSURE IN GASOLINE TANK		
	Step 1. Inspect air valve seat for worn condition.	Install serviceable air valve and stem assembly (para 3-11c)
	Step 2. Inspect pump plunger assembly for defective condition.	Install serviceable pump plunger assembly (para 3-10d)

3-10. Operator Maintenance

a. Stove Assembly.

(1) Cleaning.

(a) Use a clean cloth to wipe dust and grease off outside surfaces of stove assembly.

(b) Use a stiff-bristled brush to clean carbon deposits or spilled foods from all parts of stove.

(2) Inspection.

(a) Check stove assembly for dents, holes, corrosion, and open seams; broken or missing components; stripped threads; or fuel leaks.

(b) Check the four round head screws to be sure they are tightened securely to hold the fuel tank in the stove frame.

b. Burner Head Assemblies.

(1) Cleaning.

(a) Use a stiff-bristled brush to clean carbon deposits and spilled foods from burner head assembly.

(b) Rotate wire lever several times to clean gas orifice.

CAUTION

Do not force lever if lever is difficult to turn. Refer to organizational maintenance for cleaning.

(2) *Inspection.* Check burner head assembly for

corrosion, heat distortion, or a burned-out flame spreader (top part of burner head assembly).

c. Filler cap.

(1) *Removal.* Turn filler cap (18, fig. 3-2) counterclockwise and remove it from fuel tank.

(2) *Inspection.* Check filler cap for stripped threads or any other damage; if defective, replace with a serviceable one.

(3) *Installation.* Place cap on fuel tank and turn clockwise.

d. Pump Plunger Assembly.

(1) *Removal.* Unscrew and remove the pump plunger assembly from the fuel tank.

(2) *Cleaning.* Wash all parts of pump plunger assembly except the leather cup with solvent and dry them with a clean cloth or with compressed air. Wipe the leather cup with a clean cloth.

(3) Inspection.

(a) Check the leather cup to see if torn deteriorated, or glazed.

(b) Check the pump plunger assembly for stripped threads and other damage. Check spring on pump plunger for any distortion.

(4) *Installation.* Oil leather cup and reverse the procedure in (1) above.

e. Fuel Valve Assemblies.

(1) *Cleaning.* Wipe the external part of the fuel valve assembly with a clean cloth dampened with cleaning solvent.

(2) *Inspection.* Check fuel valve assembly for leaks, cracks, and breaks.

3-11. Organizational Maintenance

a. Burner Head Assemblies.

(1) *Removal.* Grasp burner assembly (1, fig. 3-2) and unscrew and remove it from the generator assembly.

(2) *Cleaning and inspection.* Clean and inspect burner head assembly (para 3-10b).

(3) *Installation.* Position burner head assembly on generator assembly and screw it into place.

b. *Fuel Valve Assemblies.* Each fuel valve assembly, complete with preheater cup (2, fig. 3-2), is composed of a body (6), stem (7), stem packing (8), packing gland nut (9), knob (10), knob retaining screw (11), fuel needle housing (19), fuel needle spring (20), fuel needle (21), wire lever (22), and wire lever cam (23). The fuel needle (21) is designed to carry fuel from fuel tank into the valve assembly, generator, and burner head.

(1) Removal and disassembly.

(a) Grasp burner head assembly (1, fig. 3-2) and unscrew from generator assembly.

(b) Remove preheater cup (2), with generator assembly from fuel valve assembly.

(c) Separate preheater cup from generator assembly.

(d) Open fuel valve knob (10), completely; then unscrew and remove the retaining screw (11), and take knob off valve stem (7).

(e) Unscrew and remove packing gland nut (9) from valve stem.

(f) Pull out valve stem with valve stem packing and two retainers (8), from valve body (6).

(g) Slide valve stem packing with two retainers (8) from valve stem.

(h) Separate valve stem packing from two retainers.

(i) Unscrew fuel valve assembly from fuel tank.

(j) Remove nut on wire lever (22) and wire lever assembly from valve body. This leaves wire lever cam (23) loose in valve body.

(k) Remove wire lever cam and fuel needle housing (19) from the valve body.

(l) Lift out fuel needle (21) and fuel needle spring (20) from fuel needle housing.

(m) Remove generator needle (5) from generator tube (3).

(n) Pull generator screen (4) from generator tube (3).

(2) Cleaning and Inspection.

(a) *Cleaning.* Wipe off all parts of fuel valve assembly with a clean cloth. It may be advisable to wash fuel needle housing (19) in solvent to remove any obstruction in the opening; then wipe dry with a clean cloth or blow it dry with compressed air.

(b) Inspection.

1. Check preheater cup for stripped threads and other damages; if defective, replace with a serviceable one.

2. Inspect wire lever for distortion, breaks, and damage.

3. Check fuel needle spring for proper tension.

4. Be sure fuel needle is not bent. Check for proper operation in fuel needle housing by installing valve stem and its components and then opening and closing the fuel valve knob to see that needle works properly through the opening.

5. Inspect valve body for distortions and check seat of the valve stem for grooves and other damages.

6. Inspect valve knob for breaks and stripped splines, valve stem packing gland nut for stripped threads, and valve stem for stripped threads and splines.

7. Check valve stem packing to see if worn or broken; replace if defective.

(3) Reassembly and installation.

(a) Reassemble valve stem and packing to valve body and secure with packing nut.

(b) Install knob and secure with retaining screw.

(c) Place fuel needle (21) and fuel needle spring (20) in fuel needle housing.

(d) Place wire lever cam and fuel needle housing (19) in valve body.

NOTE

Be careful to position wire lever cam (23) in the top of the valve body (6) in such a manner that wire lever assembly will fit into the slot in wire lever cam. When wire lever assembly is installed, rotate wire lever to be sure cam works up and down properly.

(e) Place wire lever assembly (22) in valve body and tighten nut on wire lever assembly so that it is secured to the valve body.

(f) Secure fuel valve assembly to fuel tank (24).

(g) Install screen (4) in generator tube. Install needle (23) in tube and place assembly on valve. Make sure cam is properly engaged to fuel needle.

(h) Place preheater cup (2) on generator assembly and fasten the two to the fuel valve assembly.

(i) Attach the burner head assembly (1) to the generator assembly.

c. Air Valve and Stem Assembly.

(1) Removal and disassembly.

(a) Remove plunger (13, fig. 3-2) and stem (16).

(b) Use screwdriver to remove valve (17) from

base of pump well inside of fuel tank.

(c) Remove nut (15) and cup (14) from plunger (13).

(2) *Cleaning.* Wipe all parts with a clean cloth.

(3) *Inspection.*

(a) Check stem (16, fig. 3-2) for a bent condition.

(b) Check cup (14) for worn condition. Lubricate cup.

(c) Inspect valve (17) for worn threads and obstructions.

(4) *Reassembly and installation.*

(a) Use screwdriver to fasten air valve to base of pump well inside of the fuel tank.

(b) Screw valve stem (16) to air valve (17) and screw plunger pump (13) to air valve and stem assembly.

(c) Tighten the pump plunger and secure the air valve.

d. *Fuel Tank.* The fuel tank (24, fig. 3-2) serves as a fuel and air reservoir and for feeding fuel to the burner.

(1) *Removal and disassembly.*

(a) Unscrew and remove filler cap (18) from fuel tank.

(b) Pour and drain fuel from tank through the filler cap opening.

(c) Unscrew and remove the pump plunger assembly from the fuel tank.

(d) Remove the air valve and stem assembly from the fuel tank (para 3-11c above).

(e) Open both fuel valve knobs (10) completely; then unscrew and remove the valve knob retaining screws (11), and take the knobs off the valve stems (7).

(f) Unscrew and remove both fuel valve assemblies (with the generator and burner head assemblies attached) from fuel tank. The fuel tank may now be removed from the frame of stove by unscrewing four slotted roundhead screws and lifting tank from frame.

(2) *Cleaning.* Clean the inside of fuel tank with solvent to remove sludge and corrosion. Wipe outside of fuel tank with a clean cloth.

(3) *Reassembly.*

(a) Fasten pump plunger assembly and air valve and stem assembly to fuel tank.

(b) Install both fuel valve assemblies. With the generator and burner head assemblies attached, secure fuel tank to frame of stove by placing it in position and fastening with the four slotted roundhead mounting screws.

Section IV. SHIPMENT AND LIMITED STORAGE AND DEMOLITION TO PREVENT ENEMY USE

3-12. Shipment and Limited Storage

a. *Preparation of Equipment for Shipment*

(1) *General.* This paragraph provides instructions for preparation of the stove for shipment within zone of interior.

(2) *Inspection.* Inspect the stove for unusual conditions such as rust or damage. Report all deficiencies on appropriate forms with corrective action taken.

(3) *Cleaning.* Remove all contaminations from stove using approved methods. Refer to TM 38-230-1 for approved methods of cleaning, drying, types of preservatives, and methods of application.

(4) *Painting.* Repaint all surfaces when the paint has been damaged or removed. Refer to TM 9-213 for detailed cleaning and painting instructions.

(5) *Depreservation guide.* (DA Form 2258).

(a) A properly annotated depreservation guide will be completed for each item. Any peculiar requirements will be indicated in the blank spaces provided on the form. The completed form will be placed in a waterproof envelope marked "Depreservation Guide" and attached to the stove.

(b) Prior to placing the stove into operation, depreserve the unit as outlined in the depreservation guide.

(6) *Preservation.*

(a) Coat the threads, screws, bolts, and screw fittings with a light coat of type P-7 preservative oil conforming to MIL-L-3150, or engine oil of the same grade or weight if preservative oil is not available.

(b) Apply a coat of type P-10 preservative oil conforming to MIL-L-21260, Grade 1, 2, or 3 to both ferrous and non-ferrous surfaces of the stove, including components and auxiliary equipment. If preservative oil is not available use engine oil of the same weight or grade.

(7) *Sealing of openings.* Cover all openings into the stove that will permit the direct entry of dirt, dust, water with class 1 pressure sensitive tape conforming to PPP-T-60.

(8) *Cooking utensils.* When cooking utensils are included, they will be cleaned and preserved as follows:

(a) Clean and sanitize with a sanitizing rinse solution using one of the following chemical solutions followed by clean water rinse and dried with compressed air.

1. One pouch of food service disinfectant conforming to MIL-D-111309, FSN 6840-270-8172, dissolved in 25 gallons of water.

2. Two ampules of chlorine water purification powder conforming to FED-OC-289, FSN 6850-270-6225, dissolved in 1 gallon of water.

(b) Coat surfaces of utensils with type P-14 preservative conforming to MIL-C-10382.

NOTE

Preservative may be removed by water and detergent followed by hot water rinse.

b. Packing (fig. 3-3).

- (1) Fold legs inward into stored position.
- (2) Place stove in case, making certain fuel tank is at bottom of case.
- (3) Fold windshield and place in case over stove.
- (4) Install cover and secure with hinge clamps.

3-13. Destruction to Prevent Enemy Use

a. *Authority.* The stove will be destroyed if it is in danger of being captured and used by the enemy, and upon the order of the unit commander.

b. *Methods.* Remove the valve burner assembly and the pump assembly and destroy. Destroy the same parts on all similar stoves to prevent enemy use through cannibalization. If possible, crush the entire unit. Be sure to obliterate all serial numbers, nameplates, and unit markings.

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ME 7300-200-12/3-3

1. Stove in carrying case
2. Stove and windshield
3. Covered carrying case with latches locked

Figure 3-3. Packing the 2-burner stove in the carrying case.

Section V
MAINTENANCE ALLOCATION CHART

Section 1. INTRODUCTION

3-14. General

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. Section 2 designates overall responsibility for the performance of maintenance functions on the identified end item or component and the work measurement time required to perform the functions by the designated maintenance level. The implementation of the maintenance functions upon the end item or component will be consistent with the assigned maintenance functions.

c. Section 3 lists the special tools and test equipment required for each maintenance function as referenced from Section 2.

3-15. Explanation of Columns in Section 2

a. Column (1), Group Number. All Federal Stock Numbers listed in this manual can be changed to National Stock Numbers by adding (2) zeros in the fifth and sixth positions of the Federal Stock Number.

b. Column (2), Assembly Group. This column contains a brief description of the components of each numerical group.

c. Column (3), Maintenance Functions. This column lists the various maintenance functions (A through K). The lowest maintenance level authorized to perform these functions is indicated by a symbol in the appropriate column. Work measurement time standards (the active repair time required to perform the maintenance functions) are shown directly below the symbol identifying the maintenance level. The symbol designations for the various maintenance levels are as follows:

C—Operator or crew

O—Organization maintenance

F—Direct support maintenance

H—General support maintenance

D—Depot maintenance

The maintenance functions are defined as follows:

A. Inspect: To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards through examination.

B. Test: To verify serviceability and detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

C. Service: Operations required periodically to keep an item in proper operating condition, i.e., to clean, to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

D. Adjust: To maintain within prescribed limits by bringing into proper or exact position or by setting the operating characteristics to specified parameters.

E. Aline: To adjust specified variable elements of an item to bring about optimum or desired performance.

F. Calibrate: To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipments used in precision measurements. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

G. Install: The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

H. Replace: The act of substituting a serviceable like-type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

I. Repair: The application of maintenance services (inspect, test, service, adjust, align, calibrate, or 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 or assembly), end item, or system.

J. Overhaul: That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i.e., DMWR) in appropriate technical publication. 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: Consists of those services/actions necessary for the 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 measurement (hours/miles, etc.) considered in classifying Army equipment/components.

d. Column (4), Tools and Equipment. This column is provided for referencing by code the

special tools and test equipment, (sec 3) required to perform the maintenance functions (sec 2).

e. Column (5), Remarks. This column is provided for referencing by code the remarks pertinent to the maintenance functions.

Section 2. MAINTENANCE ALLOCATION CHART

(1) Group No.	(2) Assembly group	(3) Maintenance Functions											(4) Tools and equipment	(5) Remarks
		A	B	C	D	E	F	G	H	I	J	K		
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul	Rebuild		
01	STOVE, GASOLINE													
0101	Case, carrying								0					
0102	Windshield assembly								0.1					
0103	Frame assembly								0					
0104	Cup assembly, pre-heater								0.1					
0105	Leg								0		0.2			
0106	Tank assembly:			0					0.1					
	Cap, filler			0.1					0					
0107	Pump assembly:								0.1					
	Cup, pump								0	0				
	Valve and stem assy								0.2	0.2				
0108	Head assembly, burner								0					
0109	Valve assembly								0.1					
0110	Generator assembly	0							0					
		0.1							0.1					

Section 3. SPECIAL TOOL AND SPECIAL TEST EQUIPMENT REQUIREMENTS

Reference code	Maintenance level	Nomenclature	Tool number
1-H	0	WRENCH	5130-303-7737

Section VI Deleted

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(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF NUMBER & MFR CODE		(4) UNIT ON MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUS- TRATION	
						(a)	(b)	(c)	(d)	(a) FIG. NO.	(b) ITEM NO.
						1-5	6-20	21-50	51-100		
		SECTION VII - REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE									
		GROUP 01 - STOVE, GASOLINE									
PAOOL	7310-263-8736	STOVE, 2-BURNER		EA	1	*	*	*	*	3-1	
XBOZZ		CASE, CARRYING 2-9-208-13 (81337)		EA	1					3-1	1
XBOZZ		WINDSHIELD ASSEMBLY 2-9-210-11-12 (81337)		EA	1					3-1	2
XBOZZ		CASE, CARRYING 2-9-208-13 (81337)		EA	1					3-1	3
XBOOZ		DIRECTION PLATE 2-9-207-8 (81337)		EA	1					3-1	8
XBOOZ		SPARE PARTS HOLDER 2-9-207-7 (81337)		EA	2					3-1	9
XBOOZ		LEG 2-9-198-3-3 (81337)		EA	4					3-1	16
PAOZZ	7310-856-7605	BURNER HEAD ASSEMBLY 2-9-201-5-1 (81337)		EA	2	*		*	*	3-2	1
PAOZZ	7310-999-2552	GENERATOR ASSEMBLY 2-9-201-5-7 (81337)		EA	1	*		*	*	3-2	
PAOZZ	7310-856-7606	VALVE ASSEMBLY, FUEL: COMPLETE W/PREHEATER CUP 2-9-201-5-25 (81337)		EA	1		*	*	*	3-2	
PAOZZ	7310-379-2447	PREHEATER CUP ASSEMBLY 2-9-201-5-11 (81337)		EA	1	*	*	*	*	3-2	2
PAOZZ	7310-999-2477	PACKING, FUEL VALVE STEM 2-9-204-5-46 (81337)		EA	1	*	*	*	*	3-2	8
XBOZZ		FRAME ASSEMBLY, STOVE 2-9-198-3 (81337)		EA	1					3-2	12
PAOZZ	6260-284-0555	PUMP, PLUNGER ASSEMBLY; AIR 2-9-199-4-8 (81337)		EA	1	*	*	*	*	3-2	
PAOZZ	5340-582-8070	CUP, LEATHER: AIR PUMP 2-9-200-4-13 (81337)		EA	1	*	*	*	*	3-2	14
PAOZZ	6260-624-4847	VALVE AND STEM ASSEMBLY, AIR 2-9-200-4-4 and 2-9-200-4-6 (81337)		EA	1	*	*	*	*	3-2	16
PAOZZ	2910-032-2374	CAP, FILLER 2-9-200-4-17 (81337)		EA	1	*	*	*	*	3-2	18
XBOZZ		TANK ASSEMBLY 2-9-199-4 (81337)		EA	1					3-2	24
PAOZZ	5305-013-2883	SCREW, MACHINE		EA	4	*	*	*	*	3-2	25
PAOZZ	5310-043-2226	WASHER, LOCK		EA	4	*	*	*	*	3-2	26
		SECTION VIII - SPECIAL TOOLS FOR ORGANIZATIONAL MAINTENANCE									
		GROUP 01 - SPECIAL TOOLS									
PAOZZ	5120-303-7737	WRENCH 2-9-207-6 (81337)		EA	1	*	*	*	*	3-1	10

Change 1

3-13/(3-14 blank)

APPENDIX A REFERENCES

A-1. Fire Protection and Safety

TB 5-4200-200-10

Hand Portable Fire Extinguishers Approved for Army Users

A-2. Lubrication

C91001L

Fuels, Lubricants, Oils, and Waxes

TB 703-1

Specification List of Standard Liquid Fuels, Lubricants, Preservatives, and Related Products Authorized for Use by U. S. Army

A-3. Painting

AR-740-1

Color, Marking, and Preparation of Equipment for Shipment

AR-746-5

Color and Marking of Army Materiel

TM 9-213

Painting Instructions for Field Use

A-4. Cleaning

SB 725-7930-1

Hard-and Soft-Water Cleaning Compounds

TM 38-230-1

Preservation, Packing, and Packaging of Military Supplies and Equipment (Cleaning)

A-5. Maintenance

TM 38-750

The Army Maintenance Management System

A-6. Shipment and Storage

SB 38-100

Army Preservation, Packing, and Marking Materials, Supplies, and Equipment

TM 38-230-2

Preservation, Packing, and Packaging of Military Supplies and Equipment (Packing)

TM 740-90-1

Administrative Storage of Equipment

A-7. Demolition

TM 750-244-3

Destruction of Materiel to Prevent Enemy Use

APPENDIX B

COMPONENTS OF END ITEMS LIST

Section I. INTRODUCTION

B-1. Scope

This appendix lists Integral Components of and Basic Issue Items (BII) for the Stove 1-Burner and 2-Burner to help you inventory items required for safe and efficient operation.

B-2. General

The components of end item list are divided into the following sections:

a. Section II. Integral Components of the End Item. These items, when assembled, comprise the Stove and must accompany it whenever it is transferred or turned in. These illustrations will help you identify these items.

b. Section III. Basic Issue Items. These are minimum essential items required to place the stove in operation, to operate it and to perform emergency repairs. Although shipped separately packed, they must accompany the stove during operation and whenever it is transferred between accountable officers. The illustrations will assist you with hard-to-identify items. This manual is your authority to requisition replacement BII based on Table(s) of Organization and Equipment (TOE)/Modification Table of Organization and Equipment (MTOE) authorization of the end item.

B-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 (if applicable).

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

b. National Stock Number (NSN): Indicates the national stock number assigned to the end item which will be used for requisitioning.

c. Part Number (P/N): Indicates the primary number used by the manufacturer 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.

d. Description: Indicates the federal item name and, if required, a minimum description to identify the item.

e. Location: The physical location of each item listed is given in this column. The lists are designed to inventory all items in one area of the major item before moving on to an adjacent area.

f. Usable on Code: "USABLE ON" codes are included to help you identify which component items are used on the different models. Identification of the codes used in this list are:

CODE	USED ON
BSN	Stove, 1-Burner
BSM	Stove, 2-Burner

g. Quantity Required (Qty Req'd): This column lists the quantity of each item required for a complete major item.

h. Quantity: This column is left blank for use during inventory. Under the received column, list the quantity you actually receive on your major item. The date columns are for use when you inventory the major item at a later date, such as for shipment to another site.

**INTEGRAL COMPONENTS OF END ITEM
STOVE, 1-BURNER (NSN 7310-00285-6155)**

(1) ILLUSTRATION	(2) NATIONAL STOCK NUMBER	(3) PART NO. & FSCM	(4) DESCRIPTION	(5) LOCATION	(6) USABLE ON CODE	(7) QTY REQD	(8) QUANTITY			
							RCV'D	DATE	DATE	DATE
	7310-00-379-2418	2-2-148 (81337)	Case, Carrying		BSN	1Ea				

B-2

Change 1

Section III. BASIC ISSUE ITEMS
STOVE 1-BURNER (NSN 7310-00-285-6155)

(1) ILLUSTRATION		(2) NATIONAL STOCK NUMBER	(3) PART NO. & FSCM	(4) DESCRIPTION	(5) LOCATION	(6) USABLE ON CODE	(7) QTY REQD	(8) QUANTITY			
(a) FIGURE NO.	(b) ITEM NO.							RCV'D	DATE	DATE	DATE
2-3		7310-00-379-2424	2-2-110 (81337)	Generator As- sembly		BSN	2Ea				
2-3	11		2-2-112 (81337)	Cup, Leather, Air Pump		BSN	1Ea				
2-3	14		2-2-113 (81337)	Gasket, Filler Cap		BSN	1Ea				
2-4	5	5330-00-379-2442	2-2-108 (81337)	Packing, Eccen- tric Stem, Valve Body		BSN	1Ea				
2-2		5120-00-303-7739	2-2-111 (81337)	Wrench		BSN	1Ea				
				TM 10-7300-200- 12 Operator and Organizational Maintenance Manual Including Repair Parts and Special Tools List			1Ea				

Change 1

B-3

**INTEGRAL COMPONENTS OF END ITEM
STOVE, 2-BURNER (NSN 7310-00-263-8736)**

(1) ILLUSTRATION		(2) NATIONAL STOCK NUMBER	(3) PART NO. & FSCM	(4) DESCRIPTION	(5) LOCATION	(6) USABLE ON CODE	(7) QTY REQD	(8)			
								RCV'D	DATE	DATE	DATE
3-1	(b) ITEM NO. 1		2-2-208-13 (81337)	Case, Carrying		BSM	1Ea				
3-1	2		2-9-210-11-12 (81337)	Windshield As - sembly		BSM	1Ea				

B-4 Change 1

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Section III. BASIC ISSUE ITEMS
STOVE, 2-BURNER (NSN 7310-00-263-8736)

(1) ILLUSTRATION		(2) NATIONAL STOCK NUMBER	(3) PART NO. & FSCM	(4) DESCRIPTION	(5) LOCATION	(6) USABLE ON CODE	(7) QTY REQD	(8) QUANTITY			
								RCV'D	DATE	DATE	DATE
3-1	9		2-9-207-7 (81337)	Spare Parts Holder		BSM	2Ea				
3-2	8		2-9-204-5-46 (81337)	Packing, Fuel Valve Stem		BSM	1Ea				
3-2	14		2-9-200-4-13 (81337)	Cup, Leather: Air Pump		BSM	1Ea				
3-2			2-9-201-5-7 (81337)	Generator As- sembly		BSM	2Ea				
3-1	10		2-9-207-6 (81337)	Wrench Assem- bly		BSM	1Ea				
				DA Publications TM 10-7300-200- 12 Operator and Or- ganizational Maintenance Manual including Repair Parts and Special Tool List			1Ea				

Change 1

B-5/(B-6 Blank)

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

Distribution:

To be distributed in accordance with DA Form 12-25A (qty rqr block No. 107) operator's maintenance requirements for Cooking and Mess Equipment.

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