DEPARTMENT OF THE NAVY
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31 March 2010

1. This Technical Manual (TM), authenticated for Marine Corps use and effective upon receipt, provides information on the Machine Gun, 7.62 mm, RPD, NSN: 1005-LL-MC9-0169.

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BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

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WARNING SUMMARY

This warning summary contains a general safety warning that must be understood and applied during operation and maintenance of this equipment. Failure to observe these precautions could result in serious injury or death to personnel.

WARNING

Check the bore to ensure it is clean and free of obstruction. Failure to follow this warning may result in injury or death to personnel.

WARNING

If the weapon is dropped or jarred with a loaded ammunition belt on the feed tray, it could chamber a round and subsequently cause a negligent discharge. Failure to follow this warning may result in injury or death to personnel.

WARNING

If a noticeable difference in sound or recoil of the weapon is experienced, stop firing. Either condition could indicate an incomplete powder burn or a projectile lodged in the bore.
WARNING

If the weapon stops firing with a live round in the chamber of a hot barrel, remove the round immediately. If the round cannot be removed within 10 seconds, wait 15 minutes with the weapon pointed in a safe direction. This will avoid possible injury to personnel from the cook-off of the chambered round. Keep the face away from the ejection port while clearing a hot chamber. Failure to follow these warnings may result in injury or death to personnel.

WARNING

If nothing is ejected and the barrel is hot DO NOT open the feed tray cover. Set the selector lever on SAFE. Keep the weapon pointed in a safe direction and let it stand for 15 minutes. After 15 minutes, clear the weapon. Refer to Unloading and Clearing the Weapon on page 8 of this work package.

WARNING

Never open the feed tray cover of a weapon if the barrel is hot and you suspect there is a live round in the chamber.

WARNING

Immediately cease fire if an audible popping sound or reduced recoil is experienced during firing. DO NOT apply immediate action. DO NOT attempt to remove a projectile that is lodged in the barrel. Notify the unit armorer. Failure to follow these warnings may result in injury or death to personnel.
WARNING

Never reload a runaway weapon until it is repaired. Be sure the weapon is cleared.

WARNING

Store ammunition under protective cover and away from excessive heat and extreme temperatures. Failure to follow this warning may result in injury or death to personnel.

WARNING

DO NOT attempt to disassemble a cartridge or any of its components. DO NOT polish brass components of cartridges. Failure to follow this warning may result in injury or death to personnel.

WARNING

Use only authorized ammunition manufactured to U.S. or NATO specifications. DO NOT fire seriously corroded ammunition, dented cartridges, cartridges with loose projectiles, cartridges exposed to extreme heat (135°F or more) until they are cooled, or cartridges with loose projectiles are pushed in (short rounds). Failure to follow these warnings may result in injury or death to personnel.

WARNING

DO NOT fire the weapon if water is present in the barrel. Failure to follow this warning may result in injury or death to personnel.
WARNING

Confirm the weapon is unloaded, clear, and on SAFE before performing the following procedures. Failure to follow these warnings may cause injury or death to personnel.

WARNING

Confirm the weapon is unloaded, clear, and on SAFE before performing the following procedures. Do not keep live ammunition near the work area. Failure to follow these warnings may cause injury or death to personnel.

WARNING

Do not interchange bolt assemblies between weapons. Failure to follow this warning may cause injury or death to personnel.

WARNING

Ensure the weapon is clear before performing these procedures. Failure to follow this warning may cause injury or death. DO NOT interchange parts from one weapon to another. Failure to follow this warning may cause injury or death to personnel.

WARNING

Ensure the weapon is clear and on SAFE before performing these procedures. Failure to follow this warning may cause injury or death to personnel.
WARNING

Ensure the bolt is forward to relieve spring tension on the drive spring retaining pin.

WARNING

DO NOT store the weapon with live ammunition in the chamber or on the feed tray. Always assume every weapon is loaded until it is determined through visual and physical inspection that it is not loaded. Refer to WP 0005 00 for clearing and unloading procedures. Failure to follow these warnings may cause injury or death to personnel.
CAUTION SUMMARY

CAUTION
Ensure ammunition is free of sand, mud, moisture, frost, snow, ice, grease, or other foreign debris. Also, check the ammunition for dents in cartridges or bad primers.

CAUTION
The use of oil or grease on cartridges is prohibited.

CAUTION
Areas with hot, dry climates usually contain blowing sand and fine dust. Deserts can be hot during daylight hours and freezing during hours of darkness. This will severely tax the weapon as well as other types of equipment. The weapon’s continued operation will depend on strictly and routinely following detailed cleaning and lubricating procedures.

CAUTION
Do not dry clean the weapon. Do not use hot water or other solvents to clean the weapon. This will remove the teflon lubricant built up as a result of using CLP.

CAUTION
Apply only a light coat of CLP to the firing pin and firing pin hole in the bolt.
DO NOT mix lubricants on the same weapon. The weapon must be cleaned thoroughly during any change from one lubricant to another. Dry cleaning solvent (SD) is recommended for cleaning before changing lubricants.

Ensure the patch goes completely through the muzzle. DO NOT reverse the direction while the patch is in the bore or muzzle.

When using bore brush, DO NOT reverse direction while brush is in bore.
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INTRODUCTION

1. This manual contains operating instructions, maintenance instructions, troubleshooting procedures, and supporting information for the RPD light machine gun. It is divided into five chapters.

2. This manual is written in work package format:
   a. Chapters divide the manual into major categories of information (e.g., General Information, Equipment Description and Data, and Principles of Operation).
   b. Each chapter is divided into work packages, which are identified by a 6-digit number (e.g., 0001 00, 0002 00) located at the upper right-hand corner of each page. The work package page number (e.g., 0001 00-1, 0001 00-2) is located centered at the bottom of each page.
   c. If a Change Package is issued to this manual, added work packages will use the 5th and 6th digits of their numbers to indicate new material. For instance, work packages inserted between WP 0001 00 and WP 0002 00 are numbered WP 0001 01, WP 0001 02, etc.

3. Read through this manual to become familiar with its organization and contents before attempting to operate or maintain the weapon.
CONTENTS OF THIS MANUAL

1. A Warning Summary and Caution Summary are located at the beginning of this manual. Become familiar with these warnings and cautions before operating or maintaining the equipment.

2. A Table of Contents, located in the front of this manual, lists all chapters and work packages in the publication. If you cannot find what you are looking for in the Table of Contents, refer to the alphabetical Index at the back of the manual.

3. Chapter 1, General Information, Equipment Description and Data, and Principles of Operation, provides general information about the equipment, identifies the major components and systems, and describes how the components and systems work.

4. Chapter 2, Operator Instructions, identifies operating controls and indicators and explains how to use them. It also shows how to operate the RPD light machine gun under usual and unusual conditions.

5. Chapter 3, Troubleshooting, provides symptoms and procedures pertaining to failures that could occur during operation of the RPD light machine gun.

6. Chapter 4, Maintenance Instructions, provide procedures to maintain the RPD light machine gun at the operator level.

7. Chapter 5, Supporting Information, provides information pertaining to references, components listing, and an expendable and durable items list.

8. An alphabetical Index is located at the back of this manual.
FEATURES OF THIS MANUAL

1. This manual contains information on operating and maintaining the RPD light machine gun.

2. WARNINGs, CAUTIONs, NOTEs, subject headings, and other important information are highlighted in BOLD print as a visual aid.

WARNING
A WARNING indicates a hazard which may result in injury or death to personnel.

CAUTION
A CAUTION is a reminder of safety practices or directs attention to usage practices that may result in damage to equipment.

NOTE
A NOTE is a statement containing information that will make the procedures easier to perform.

3. Statements and words of particular interest may be printed in CAPITAL LETTERS to create emphasis.
4. Within a procedural step, reference may be made to another chapter or work package in this manual or to another manual. These references indicate where you should look for more complete information. If you are told: “Disassemble the weapon (WP 0014 00)”, go to WP 0014 00 in this manual for instructions.

5. Illustrations are placed after, and as close to, the procedural steps to which they apply. The callouts placed on art are text or numbers.

END OF WORK PACKAGE
CHAPTER 1

GENERAL INFORMATION, EQUIPMENT DESCRIPTION AND DATA, AND PRINCIPLES OF OPERATION
GENERAL INFORMATION

SCOPE

1. **Type of Manual.** This manual contains operating and maintenance instructions for the 7.62 x 39 mm, RPD light machine gun.

2. **Equipment Name and Model Number.** RPD light machine gun.

3. **Procedures.** There are different models of the RPD light machine gun. Only one model is depicted in this manual, but procedures are common to most models.

MAINTENANCE FORMS AND PROCEDURES

The Marine Corps forms and record procedures used for equipment maintenance will be those prescribed in the current edition of TM 4700-15/1, *Ground Equipment Record Procedures*.

CORROSION PREVENTION AND CONTROL (CPC)

Corrosion prevention and control (CPC) of weapons material is a continuing concern. While corrosion is typically associated with rusting metal, it can also include the deterioration of other items such as contacts, injection molded plastics, wood, and foam inserts in the case. Unusual cracking, softening, swelling, or breaking of these or other materials may be signs of corrosion.
DESTRUCTION OF MATERIAL TO PREVENT ENEMY USE

To render the equipment useless to the enemy, U.S. Marine Corps personnel shall destroy the equipment by weapons fire, smashing, disassembly, burning, or other means.

### ABBREVIATION/ACRONYM LIST

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>BZO</td>
<td>Battle Sight Zero</td>
</tr>
<tr>
<td>bk</td>
<td>Book</td>
</tr>
<tr>
<td>bt</td>
<td>Bottle</td>
</tr>
<tr>
<td>CAGEC</td>
<td>Commercial and Government Entity Code</td>
</tr>
<tr>
<td>CLP</td>
<td>Cleaner, Lubricant, and Preservative</td>
</tr>
<tr>
<td>CPC</td>
<td>Corrosion Prevention and Control</td>
</tr>
<tr>
<td>dz</td>
<td>Dozen</td>
</tr>
<tr>
<td>ea</td>
<td>Each</td>
</tr>
<tr>
<td>fps</td>
<td>Feet per Second</td>
</tr>
<tr>
<td>ft</td>
<td>Foot/Feet</td>
</tr>
<tr>
<td>in</td>
<td>Inch</td>
</tr>
<tr>
<td>LAW</td>
<td>Lubricant, Arctic, Weapons</td>
</tr>
<tr>
<td>lb</td>
<td>Pound</td>
</tr>
<tr>
<td>LSA</td>
<td>Lubricating Oil, Semi-fluid, Automatic Weapons</td>
</tr>
<tr>
<td>m</td>
<td>Meter</td>
</tr>
<tr>
<td>mL</td>
<td>Milliliter</td>
</tr>
<tr>
<td>mm</td>
<td>Millimeter</td>
</tr>
<tr>
<td>Abbreviation/Acronym</td>
<td>Definition</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>N/A</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>NSN</td>
<td>National Stock Number</td>
</tr>
<tr>
<td>pg</td>
<td>Package</td>
</tr>
<tr>
<td>PMCS</td>
<td>Preventive Maintenance Checks and Services</td>
</tr>
<tr>
<td>psi</td>
<td>Pounds per Square Inch</td>
</tr>
<tr>
<td>rds/min</td>
<td>Rounds per Minute</td>
</tr>
<tr>
<td>ROD</td>
<td>Report of Discrepancy</td>
</tr>
<tr>
<td>RPL</td>
<td>Repair Parts List</td>
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<tr>
<td>SD</td>
<td>Dry Cleaning Solvent</td>
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<td>SF</td>
<td>Standard Form</td>
</tr>
<tr>
<td>SFL</td>
<td>Solid Film Lubricant</td>
</tr>
<tr>
<td>TB</td>
<td>Technical Bulletin</td>
</tr>
<tr>
<td>U/M</td>
<td>Unit of Measure</td>
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</tbody>
</table>

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GENERAL DESCRIPTION

1. The RPD light machine gun is a 7.62 x 39 mm, fully automatic, air-cooled, gas-operated, belt-fed, open bolt weapon.

2. Other features of this weapon include:
   a. Cleaning Rod. Is stored on the left side of the upper receiver and barrel assembly.
   b. Upper Receiver and Barrel Assembly. Has an adjustable front sight post and rear leaf sight.
   c. Gas Regulator. Regulates gas flow from the barrel to the gas tube.
   d. Drum. Is reusable and has a 100 round capacity and can be loaded with two 50-round, non-disintegrating, metal link ammunition belts. It is attached to the drum mount.
   e. Drum Release. Is located under the upper receiver.
   f. Selector Lever. Selects the SAFE or FIRE mode and prevents the weapon from being cocked when on SAFE.
   g. Buttstock. Has a buttplate which can be opened to access the RPD tool kit.
MAJOR COMPONENTS

Figure 1. Major Components of the RPD Light Machine Gun.
DESCRIPTION OF MAJOR COMPONENTS

1. **Upper Receiver and Barrel Assembly.** Includes the thread protector, barrel, front sight assembly, bipod assembly, gas regulator, gas block, handguards, gas tube, feed tray and feed tray cover assembly, rear sight assembly, drum release, and charging handle.

2. **Feed Tray and Feed Tray Cover Assembly.** Feeds the linked ammunition belt and positions cartridges for stripping, and chambering.

3. **Lower Receiver and Buttstock Assembly.** Contains the trigger, sear, sear spring, selector lever, and buttstock assembly.

4. **Drive Rod Assembly.** Propels the bolt and operating rod assembly forward during the cycle of operations. It includes the drive rod and drive spring, which are not disassembled, and the drive spring retaining pin.

5. **Bolt and Operating Rod Assembly.** Contains the operating rod (which consists of the gas piston, bolt carrier, and roller), locking blocks, and bolt assembly. It provides feeding, stripping, chambering, firing, and extraction of the cartridges using the projectile propelling gas for power.

6. **Bipod Assembly.** Can be unfolded to serve as a support for the RPD light machine gun when used in ground applications or folded for easier transportation.

7. **Cleaning Rod.** Is stored on the left side of the receiver and is used to conduct preventive maintenance.

8. **Drum.** The drum has a 100 round capacity and uses a reusable, non-disintegrating metal link ammunition belt. It attaches to the drum release on the bottom of the upper receiver.
EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

Table 1 contains the characteristics, capabilities, and features of the RPD light machine gun.

Table 1. RPD Characteristics.

<table>
<thead>
<tr>
<th>Feature</th>
<th>RPD</th>
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<tbody>
<tr>
<td>Caliber</td>
<td>7.62 x 39 mm</td>
</tr>
<tr>
<td>Weight:</td>
<td></td>
</tr>
<tr>
<td>RPD</td>
<td>Approx. 14.5 lbs</td>
</tr>
<tr>
<td>RPD with Drum and Belt of 100 Rounds</td>
<td>Approx. 19.8 lbs</td>
</tr>
<tr>
<td>Length:</td>
<td></td>
</tr>
<tr>
<td>RPD</td>
<td>Approx. 40.8 in.</td>
</tr>
<tr>
<td>Barrel Length</td>
<td>Approx. 20.5 in.</td>
</tr>
<tr>
<td>Sights:</td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td>Adjustable sight post for zeroing</td>
</tr>
<tr>
<td>Rear</td>
<td>Adjustable leaf sight with windage knob</td>
</tr>
<tr>
<td>Drum Capacity</td>
<td>100 rounds</td>
</tr>
<tr>
<td>Modes of Fire</td>
<td>Automatic</td>
</tr>
<tr>
<td>Maximum Effective Range</td>
<td>Approx. 800 m</td>
</tr>
<tr>
<td>Muzzle Velocity</td>
<td>Approx. 2454 fps</td>
</tr>
</tbody>
</table>
Table 1. RPD Characteristics - Continued.

| RPD                     | Rate of Fire (Approx.):
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Sustained</td>
</tr>
<tr>
<td></td>
<td>Rapid</td>
</tr>
<tr>
<td></td>
<td>Cyclic</td>
</tr>
<tr>
<td>Practical Rate of Fire</td>
<td>50 rds/min</td>
</tr>
<tr>
<td></td>
<td>100 rds/min</td>
</tr>
<tr>
<td></td>
<td>650 rds/min</td>
</tr>
<tr>
<td></td>
<td>150 rds/min</td>
</tr>
</tbody>
</table>

END OF WORK PACKAGE
1. **Cycle of Operation.** The cycle of operation is similar for all small arms. Knowledge of the cycle of operation will help the operator understand the cause of and remedy for various stoppages.

2. **Eight Steps.** The cycle of operation contains eight steps:
   a. Feeding
   b. Chambering
   c. Locking
   d. Firing
   e. Unlocking
   f. Extracting
   g. Ejecting
   h. Cocking
3. **Description of Eight Steps.** These eight steps are explained below, together with a brief description of what occurs inside the machine gun during each step. Assume that a belt of ammunition is inserted on top of the feed tray.

   a. **Feeding.** When the operating rod moves rearward from the forward position (either due to the operator pulling the charging handle to the rear or due to the force of expanding gas from a fired round) the roller on the operating rod moves the feed tray cover levers, which move the feed pawl to the left over the next round of ammunition in the belt. When trigger is pulled, it pushes the sear down, disengaging it from the operating rod, or the trigger is held to the rear, holding the sear down. With the sear down, the operating rod is driven forward by the drive rod assembly. The roller on the operating rod moves the feed tray cover levers, which move the feed pawl to the right, pulling the next round of ammunition over the hole in the feed tray.

   b. **Chambering.** As the bolt moves forward, the top of the bolt forces the round that is positioned over the hole in the feed tray forward and down out of the belt, in front of the bolt face, and toward the chamber. Chambering is completed when the round is fully seated in the chamber and the extractor is engaged in the extraction groove at the base of the round.

   c. **Locking.** As the operating rod moves forward the bolt assembly and locking blocks ride in grooves in the operating rod. When the bolt face strikes the chamber, its forward motion stops. The operating rod continues forward and the grooves in the operating rod act on the cams of the locking blocks, forcing the rear of the locking blocks away from the bolt, against the receiver, and the front of the locking blocks are pressed against the bolt, locking the bolt.
PRINCIPLES OF OPERATION - CONTINUED

d. **Firing.** After the bolt is locked by the locking blocks, the operating rod continues forward until the anvil of the operating rod strikes the firing pin in the bolt, driving in into the primer of the chambered round, detonating it. This ignites the powder in the cartridge. The expanding gas resulting from this explosion propels the bullet forward and out of the barrel.

e. **Unlocking.** As the bullet passes through the barrel and over the gas port, some of the gas is forced through the gas block. This gas pushes the gas piston at the front of the operating rod, forcing the operating rod rearward. As the operating rod moves to the rear, the grooves in the operating rod act on the cams of the locking blocks forcing the rear of the locking blocks behind the bolt and unlocking the bolt allowing the operating rod to pull the bolt to the rear.

f. **Extracting.** As the bolt moves to the rear, the extractor holds the base of the cartridge case against the bolt face. Extraction is completed when the front of the cartridge case clears the rear of the chamber.

g. **Ejecting.** As the bolt moves to the rear, the cartridge is held against the bolt face by the extractor. The base of the cartridge strikes the fixed ejector on top of the upper receiver. The extractor serves as a pivot point for the cartridge, which is deflected down and out of the ejection port in the bottom of the receiver.

h. **Cocking.** As the operating rod moves to the rear, with the trigger released, the bottom portion of the operating rod rides over the sear. The sear then comes up under spring tension and engages the sear notch in the bottom of the operating rod, holding the operating rod to the rear in the open position, under spring tension from the drive spring, and the weapon is ready to fire again.

END OF WORK PACKAGE
CHAPTER 2

OPERATOR INSTRUCTIONS
GENERAL

This section describes the various controls and provides sufficient information to ensure the proper operation of the 7.62 mm, RPD light machine gun.
OPERATOR CONTROLS AND INDICATORS

Right Side View. Refer to Figure 1.

1. **Front Sight Assembly.** Allows adjustment of the strike of the round up, down, left, or right.

2. **Gas Regulator.** Regulates the flow of gas from the barrel to the gas tube during firing. Setting #2 is the initial setting.

3. **Drum Release.** Allows the operator to release the drum to remove it from the weapon. It is located under the upper receiver.

4. **Rear Sight Assembly.** Allows adjustment for windage and distance to target.

5. **Charging Handle.** Allows the operator to cock the weapon. Ensure to push it all the way forward until it clicks to secure it in place before firing.

6. **Selector Lever.** Allows the operator to place the weapon on SAFE or FIRE.

7. **Feed Tray Cover Release Latch.** Allows the operator to open the feed tray cover. The latch is released by pushing it forward and lifting the feed tray cover.
Figure 1. Right Side View of the Weapon.
Left Side View. Refer to Figure 2.

1. **Bipod Assembly.** Allows the operator to rest the weapon on the ground, providing a stable firing position.
2. **Front and Rear Sling Swivels.** Allow the operator to attach a sling.
3. **Drum.** Holds up to 100 rounds of 7.62 x 39 mm ammunition in two 50-round, non-disintegrating, metal link ammunition belts. Do not discard the drum or ammunition belts.
4. **Trigger.** Fires the weapon when pulled.
5. **Cleaning Rod.** Is used to conduct preventive maintenance on the weapon.
Figure 2. Left Side View of the Weapon.
FRONT SIGHT ASSEMBLY

Refer to Figure 3.

1. **Front Sight Post.** The front sight post is screwed up or down when zeroing the rear sight.

2. **Front Sight Aperture.** The font sight aperture is adjusted left or right on the front sight base when zeroing the rear sight by loosening the windage adjustment screw, drifting the front sight aperture, and tightening the windage adjustment screw.

![Figure 3. Front Sight Assembly.](image-url)
REAR SIGHT ASSEMBLY

Refer to Figure 4.

1. **Rear Sight Aperture.** The rear sight aperture is on the end of the sight leaf.

2. **Windage Knob.** The windage knob is turned to adjust for cross winds.

3. **Slide Assembly.** To adjust for distance to target, move the slide assembly to the proper distance marking on the sight leaf (e.g. “1” for 100 meters and “2” for 200 meters).

4. **Sight Leaf.** The sight leaf has distance markings for up to 1000 meters.

Figure 4. Rear Sight Assembly.
BUTTPLATE DOOR

The buttplate door on the end of the buttstock opens to allow access to the RPD tool kit stored in the buttstock. Refer to Figure 5.

Figure 5. Accessing the RPD Tool Kit.
SELECTOR LEVER

1. **SAFE.** The weapon will not fire when the selector lever is on SAFE. The selector lever must be off SAFE to chamber a round or to clear the weapon. Always place the selector lever on SAFE when inserting and removing an ammunition belt. Refer to Figure 6.
2. **FIRE.** When the selector lever is placed on FIRE, the weapon will continue to fire as long as the trigger is held to the rear or until the ammunition belt is empty. The selector lever must be set on FIRE to chamber a round or to clear the weapon. Refer to Figure 7.

![Selector Lever on FIRE](image)

Figure 7. Selector Lever on FIRE.

**END OF WORK PACKAGE**
OPERATION UNDER USUAL CONDITIONS

GENERAL
This section contains instructions for the operation of the 7.62 mm RPD light machine gun under conditions of moderate temperature and humidity.

PREPARATION FOR FIRING

WARNING
Check the bore to ensure it is clean and free of obstruction. Failure to follow this warning may result in injury or death to personnel.

1. Ensure the weapon is properly lubricated.
2. Check the weapon for correct assembly and proper operation.
3. Check the ammunition for grade, identification marking, and serviceability.
4. Operate and inspect the controls for satisfactory functionality.

NOTE
During the preparation of the RPD light machine gun for firing, the drum with filled belt must not be attached to the weapon. It must be attached only on the firing line, shortly before firing.
LOADING AN AMMUNITION BELT

CAUTION

Ensure ammunition is free of sand, mud, moisture, frost, snow, ice, grease, or other foreign debris. Also, check the ammunition for dents in cartridges or bad primers.

To load an ammunition belt, follow these instructions:

1. Hold the belt with the pull tab facing to the left and the open side of the links facing up. Refer to Figure 1.

Figure 1. Ammunition Belt.
2. Beginning from the link next to the pull tab, slide the round into the links until the notch on the link snaps into the extractor groove of the casing. Some force may be necessary. Refer to Figure 2.

![Figure 2. Loading an Ammunition Belt.](image)

3. If rounds are to be fired one at a time, place dummy rounds in every other link of the belt to avoid stoppages.
LOADING A DRUM

To load a drum, follow these instructions:

1. With the open side of the links facing up, start from the last link and roll up the belt towards the pull tab.
2. Open the drum cover.
3. Place the rolled up belt into the drum so that the rounds are pointing away from the drum cover.
4. Slide the pull tab through the belt slot on the drum. Refer to Figure 3.
5. Close the drum cover and secure it with the lock. Refer to Figure 3.

**LOADING THE WEAPON**

**WARNING**

If the weapon is dropped or jarred with a loaded ammunition belt on the feed tray, it could chamber a round and subsequently cause a negligent discharge. Failure to follow this warning may result in injury or death to personnel.
NOTE

After loading the weapon ensure the rounds are facing down and the links facing up on the feed tray.

1. Clear the weapon. Refer to Unloading and Clearing the Weapon on page 8 of this work package.
2. Place the selector lever on FIRE.
3. Grasp the charging handle with the right hand and cock the weapon.
4. Push the charging handle forward until its snaps into the forward position on the upper receiver and place the selector lever on SAFE. Ensure the drum release is out.
5. With the drum carrying handle on the left side of the weapon and the drum cover facing the rear of the weapon, slide the drum forward onto the drum mount on the bottom of the upper receiver. Secure it with the drum release. Refer to Figure 4.
6. Inserting the belt into the weapon can be done with the feed tray cover closed or open.
   a. **Feed Tray Cover Closed**. Insert the pull tab of the belt from the left side of the weapon onto the feed tray and pull the pull tab from the right side of the weapon until the first round clicks into place on the feed tray. The weapon is now loaded. Refer to Figure 4.
b. **Feed Tray Cover Open.** Open the feed tray cover. Lay the belt on the feed tray with the first round seated against the cartridge stop on the feed tray. Hold the pull tab to keep the belt in place and close the feed tray cover. The weapon is now loaded. Refer to Figure 4.

Figure 4. Loading the Weapon.
UNLOADING AND CLEARING THE WEAPON

1. Point the weapon in a safe direction, pull the charging handle, locking the bolt to the rear (if it is not already), and set the selector lever on SAFE.

2. Open the feed tray cover and remove the ammunition belt.

3. Lift the feed tray and visually and physically inspect the chamber and upper receiver to ensure they are clear of ammunition.

4. Close the feed tray and feed tray cover.

5. Place the weapon on FIRE.

6. Holding the charging handle to the rear, pull the trigger and ride the bolt forward.

7. Set the selector lever on SAFE. The weapon is now cleared.
OPERATION UNDER USUAL CONDITIONS - CONTINUED

SETTING THE SIGHTS AND FIELD FIRING TECHNIQUES

NOTE

Detailed zeroing procedures will be covered in a separate period of instruction. This section will describe how to set the front and rear sight to adjust the strike of the round.

The front sight post and front sight are used to zero the rear sight assembly. The rear sight assembly is used to adjust for distance to target and cross winds during field fire.

A rule of thumb for adjusting the front sight post and front sight aperture is to move the post or drum in the OPPOSITE direction of the desired adjustment of the strike of the round.
1. **Front Sight Assembly.** Refer to Figure 5.
   a. **Front Sight Post.** Screwing the front sight post down will move the strike of the round UP, screwing the front sight post up will move the strike of the round DOWN.

   b. **Front Sight Aperture.** Drifting the front sight aperture left (in the direction of fire) will move the strike of the round RIGHT, drifting the front sight aperture right (in the direction of fire) will move the strike of the round LEFT.

   To drift the front sight aperture, loosen the windage adjustment screw in the front sight base with the combination tool. When finished with adjustments, tighten the windage adjustment screw. If the combination tool cannot loosen the windage adjustment screw, have the unit armorer adjust the front sight aperture.
Figure 5. Front Sight Assembly.
2. **Rear Sight Assembly.** Refer to Figure 6.

   a. **Windage Knob.** The windage knob is on the end of the rear sight leaf and includes the rear sight aperture. Turning the windage knob moves the rear sight aperture left or right to adjust for cross winds.

   b. **Slide Assembly.** The slide assembly is adjusted by depressing the buttons on either side of the slide. Moving the slide assembly to different distance markings on the sight leaf adjusts for distance to target. The slide assembly snaps into place on the distance markings on the sight leaf. Set the slide on “1” for 100 meters, “2” for 200 meters, etc.

   [Image: Figure 6. Rear Sight.]
3. **Aiming.** Obtain a good sight picture and good sight alignment with the front sight post centered in the rear sight aperture. Refer to Figure 7.

![Figure 7. The Front Sight Post Centered in the Rear Sight Aperture.](image)

4. Squeeze the trigger and fire.

**FAILURE TO FIRE**

**WARNING**

If a noticeable difference in sound or recoil of the weapon is experienced, stop firing. Either condition could indicate an incomplete powder burn or a projectile lodged in the bore.
OPERATION UNDER USUAL CONDITIONS - CONTINUED

WARNING - CONTINUED

If the weapon stops firing with a live round in the chamber of a hot barrel, remove the round immediately. If the round cannot be removed within 10 seconds, wait 15 minutes with the weapon pointed in a safe direction. This will avoid possible injury to personnel from the cook-off of the chambered round. Keep the face away from the ejection port while clearing a hot chamber. Failure to follow these warnings may result in injury or death to personnel.

If the weapon stops firing, seek cover and perform the following actions:

1. **Immediate Action.** If the weapon stops firing, take cover and take immediate action.
   a. Charge the weapon and push the charging handle forward until it snaps into place in the forward position on the upper receiver. If a round is ejected, FIRE AGAIN.

**WARNING**

If nothing is ejected and the barrel is hot DO NOT open the feed tray cover. Set the selector lever on SAFE. Keep the weapon pointed in a safe direction and let it stand for 15 minutes. After 15 minutes, clear the weapon. Refer to *Unloading and Clearing the Weapon* on page 8 of this work package.

Never open the feed tray cover of a weapon if the barrel is hot and you suspect there is a live round in the chamber.
b. If nothing is ejected, look to see if any rounds remain on the feed tray. If not, you have run out of belted ammunition. If the barrel is not hot, clear the weapon and load another belt of ammunition.

2. Notify the Unit Armorer. If immediate action (step 1) has been applied and the weapon fails to fire, notify the unit armorer when the situation permits.

3. Remedial Action. If the weapon fails to fire after performing immediate action, check for:
   a. Cartridge Lodged in the Chamber. Use the following step to clear a cartridge case stuck in the chamber.
      (1) Clear the weapon.
      (2) Charge the weapon, place the selector lever on SAFE, and push the charging handle forward until it snaps into place in the forward position on the upper receiver.
      (3) If the cartridge is intact, insert the cleaning rod into the barrel from the muzzle end and tap out the cartridge case.
      (4) If the cartridge is ruptured, remove it using the ruptured casing removal tool from the RPD tool kit. Refer to Figure 8.

Figure 8. Ruptured Casing Removal Tool.
b. **Lack of Lubrication.** Lubricate the bolt and operating rod assembly.

c. **Debris.** Clear debris from the weapon.

d. **Damaged Parts.** Notify unit armorer when the situation permits.

4. **Projectile Lodged in the Barrel.**

   **WARNING**

   Immediately cease fire if an audible popping sound or reduced recoil is experienced during firing. DO NOT apply immediate action. DO NOT attempt to remove a projectile that is lodged in the barrel. Notify the unit armorer. Failure to follow these warnings may result in injury or death to personnel.

   Use the following steps if a projectile is lodged in the barrel:

   a. Retract the bolt slowly and remove the spent cartridge case.

   b. Clear the weapon and check for unburned powder grains in the upper receiver or the bore. Check for a projectile lodged in the bore.

   c. Remove unburned powder from the bore before resuming fire.

   d. If a projectile is lodged in the bore, notify the unit armorer.
RUNAWAY MACHINE GUN

If runaway occurs (weapon continues firing after the trigger is released), take action to correct it quickly by:

1. If near the end of the belt, let the weapon fire the rest of the ammunition.
2. If not near the end of the belt, grab the charging handle (palm up), pull all the way back and hold. When weapon stops firing place the selector lever on SAFE, raise the feed tray cover, and remove the belt.

**WARNING**

Never reload a runaway weapon until it is repaired. Be sure the weapon is cleared.

3. Notify the unit armorer.

BIPOD

Raise and lower the bipod legs by squeezing the legs together, then adjusting their position. It may be necessary to partially release and squeeze the legs several times while adjusting the bipod legs.

AMMUNITION

Only approved 7.62 x 39 mm ammunition should be used in the RPD light machine gun.
USING TRACER AMMUNITION

Use tracer ammunition to help hit targets during hours of darkness or low light levels. Tracer ammunition is not as effective as ball ammunition against most targets. When available, mix tracer ammunition with ball ammunition in the belt.

CARE, HANDLING, AND PRESERVATION OF AMMUNITION

1. **Packing.** Ammunition is packed to withstand conditions ordinarily encountered in the field. Care must be exercised to keep packing from becoming broken or otherwise damaged. All broken packing must be repaired immediately and all markings must be transferred to replacement parts. Ammunition may be packed in metal-lined wooden boxes or metal boxes. Damaged boxes containing metal liners should be air-tested and sealed if equipment to perform this work is available.

2. **Storing in the Open.** When it is necessary to leave ammunition in the open, raise it at least 6 inches from the ground and cover it with tarpaulins. Whenever possible, use wood between each row to permit full air circulation. Dig suitable trenches to prevent water from running under the stack. Arrange tarpaulins to permit air circulation through the stack, keeping the tarps at least 6 inches from the top, ends, and sides of the stack.

**WARNING**

Store ammunition under protective cover and away from excessive heat and extreme temperatures. Failure to follow this warning may result in injury or death to personnel.
3. **Moisture and High Temperature.**
   a. Keep boxes closed until the ammunition is needed. Ammunition removed from airtight containers, particularly in damp climates, can corrode and become unserviceable.

   b. Protect the ammunition from high temperatures and prolonged exposure to direct sun rays. Such exposure is likely to affect the ballistic performance of the cartridges. The combination of high temperature and humidity can destabilize propellant and the tracer mixture in tracer ammunition.

   **WARNING**

   DO NOT attempt to disassemble a cartridge or any of its components. DO NOT polish brass components of cartridges. Failure to follow this warning may result in injury or death to personnel.

   **CAUTION**

   The use of oil or grease on ammunition is prohibited.

4. **General Care.**
   a. Protect the ammunition from sand, mud, moisture, frost, snow, ice, grease, and other foreign matter. Immediately wipe off wet or dirty ammunition with a clean, dry cloth. If corrosion forms on cartridges, wipe it off with a clean, dry cloth.
b. Brass cartridge cases are easily dented. Protect them from damage.

c. Protect a partially used box of ammunition from unauthorized use by firmly fastening the box cover in place.

PREPARATION FOR FIRING

After removing all packing materials, cartridges for the RPD light machine gun are ready for use. Return unfired cartridges to their original packing or pack them in suitable boxes. Use these cartridges first in subsequent firings in order to reduce stocks of opened containers. Mark packing containers with the cartridge nomenclature, the quality of the cartridges, and the ammunition lot number.

PRECAUTIONS IN FIRING

WARNING

Use only authorized ammunition manufactured to U.S. or NATO specifications.

DO NOT fire seriously corroded ammunition, dented cartridges, cartridges with loose projectiles, cartridges exposed to extreme heat (135°F or more) until they are cooled, or cartridges with loose projectiles are pushed in (short rounds). Failure to follow these warnings may result in injury or death to personnel.

SLING

The sling is affixed to the weapon by snapping the hooks onto the front and rear sling swivels.
ADJUSTMENT OF THE REGULATOR

The initial setting for the gas regulator is #2. If the rate of fire is sluggish, adjust the gas regulator to setting #3 to increase the rate of fire. This may be necessary if the weapon is dirty. When firing in extreme cold or high altitude environments, adjust the gas regulator to setting #1. To adjust the gas regulator, use the following procedures:

1. Loosen the gas regulator by two or three turns using a combination tool. Refer to Figure 9.

Figure 9. Loosening the Gas Regulator Screw.
2. Press the gas regulator screw to the right to lift the rim of the gas regulator off of the lock. Refer to Figure 10.

![Figure 10. The Rim of the Gas Regulator Lifted from the Lock.](image)

3. Make the appropriate adjustment of the gas regulator by turning it so the desired setting notch is over the lock and pressing the gas regulator to the left to seat it against the gas block with the lock in the desired setting notch.

4. Tighten the gas regulator screw.

**END OF WORK PACKAGE**
OPERATION UNDER UNUSUAL CONDITIONS

EXTREME COLD CLIMATE - ARCTIC

Cleaning and lubrication should be done inside a warm room. The weapon should be at room temperature if possible.

1. Apply a light coat of Lubricant, Arctic, Weapons (LAW) to all functional parts.
2. To prevent condensation and freezing, allow gradual cooling by keeping the weapon covered when moving from a warm area to a cold area.
3. Always attempt to keep the weapon dry.
4. Unload and hand function the weapon every 30 minutes to prevent freezing of functional parts.
5. Do not lay a warm weapon directly in snow or on ice.
6. When moving a cold weapon into a warm area, condensation will form in and on the weapon. If possible, leave the weapon in a protected, cold area outside. When the weapon is brought into a warm area, as it reaches room temperature, it should be disassembled and wiped dry several times.
7. Ensure the insides of the drums, belts, and ammunition are wiped dry. Moisture can freeze and cause malfunctions. Do not lubricate ammunition.
8. The use of a muzzle cap, a protective drum bag, and an overall weapon cover will help protect the weapon. Use the items whenever the tactical situation permits.
HOT, WET CLIMATE - JUNGLE
Use Cleaner, Lubricant, and Preservative (CLP) to clean and lubricate the weapon.

1. Perform normal maintenance as outlined in *Preventive Maintenance Checks and Services (PMCS)* (WP 0011 00).

2. Clean and lubricate the weapon more frequently. Inspect hidden surfaces of the bolt and operating rod assembly, upper receiver and chamber/barrel extension, and the lower receiver and buttstock assembly (drive spring tube) for corrosion. Pay close attention to all spring-loaded detents on the weapon.

3. To help prevent corrosion, remove hand prints with a dry wiping rag. Lubricate lightly with CLP.

4. Unload and check the insides of the drum frequently for corrosion and moisture. Wipe ammunition dry before reloading.

Use a drum bag and muzzle cap for protection when the tactical situation permits.

HOT, DRY CLIMATE - DESERT
Use CLP to clean and lubricate the weapon.

**CAUTION**

Areas with hot, dry climates usually contain blowing sand and fine dust. Deserts can be hot during daylight hours and freezing during hours of darkness. This will severely tax the weapon as well as other types of equipment. The weapon’s continued operation will depend on strictly and routinely following detailed cleaning and lubricating procedures.
OPERATION UNDER UNUSUAL CONDITIONS - CONTINUED

1. Dust and sand will get into the weapon, belts, and drums causing malfunctions. Perform a thorough cleaning of the weapon daily and after all firing missions.

   **NOTE**
   Always shake CLP prior to use.

2. Corrosion is less likely to form on metal parts in a dry climate. Therefore, lubricant should only be applied to internal working surfaces and functioning parts. Use normal amounts of CLP for lubrication. Unload the drum, dry the belts and the inside of the drums, and wipe down ammunition daily. DO NOT lubricate drums.

3. The use of an overall weapon protection cover, muzzle cap, and spare drum protective bags will help protect the weapon and ammunition from sand and dust. Use these items when the tactical situation permits.

4. At all times, as a minimum effort to help keep out sand and dust, keep the port covers closed and a muzzle cap on the muzzle.

   **NOTE**
   Removal of muzzle cap is recommended prior to firing. Retain muzzle cap for future use. Firing the weapon with muzzle cap installed poses no danger to the weapon or operator.
HEAVY RAIN AND FORDING OPERATIONS - ALL CLIMATES

1. Perform maintenance in accordance with climate conditions.
2. Always attempt to keep weapon dry.
3. Use a weapon cover, muzzle cap, and protective bags to protect the weapon, drums, and ammunition.

**WARNING**

DO NOT fire the weapon if water is present in the barrel. Failure to follow this warning may result in injury or death to personnel.

4. Always drain any water from the barrel prior to firing. Dry the bore with a clean swab.

**NUCLEAR, BIOLOGICAL, AND CHEMICAL (NBC)**

General procedures can be found in *Marine Corps Warfighting Publication: MCWP 3-37.2A* and *MCWP 3-37.3*.

**END OF WORK PACKAGE**
CHAPTER 3

TROUBLESHOOTING
TROUBLESHOOTING INTRODUCTION

TROUBLESHOOTING

This chapter contains troubleshooting information for locating and correcting malfunctions that may develop with the RPD light machine gun. The Troubleshooting Symptom Index (WP 0008 00) serves as a quick reference to aid in troubleshooting the weapon. Table 1, in WP 0009 00, is a guide for troubleshooting. Perform the tests, inspections, and corrective actions in the order shown in the table. The table does not cover all possible malfunctions; it includes only the more common malfunctions. If the weapon malfunction is not listed or actions listed do not correct the fault, notify the unit armorer.

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<td>5. Failure to Chamber</td>
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**END OF WORK PACKAGE**
## TROUBLESHOOTING PROCEDURES

Table 1. Troubleshooting Procedures.

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<th>Probable Cause</th>
<th>Corrective Action</th>
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<td></td>
<td>2. Bolt assembly incorrectly assembled.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>3. Broken, defective, or missing firing pin retaining pin.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>4. Light indentation on cartridge primer.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>5. Defective ammunition.</td>
<td>Replace ammunition.</td>
</tr>
</tbody>
</table>


## Troubleshooting Procedures - Continued

Table 1. Troubleshooting Procedures – Continued.

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<th>Malfunction/Symptom</th>
<th>Probable Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Failure to Unlock</td>
<td>Dirty or burred bolt.</td>
<td>Clean if dirty. Evacuate to the unit armorer if burred.</td>
</tr>
<tr>
<td>3. Failure to Extract</td>
<td>1. Dirty or corroded ammunition.</td>
<td>Remove the ammunition belt. Push the jammed cartridge out with the cleaning rod.</td>
</tr>
<tr>
<td></td>
<td>2. Broken extractor spring.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>3. Carbon in chamber.</td>
<td>Clean the chamber. Refer to WP 0013 00.</td>
</tr>
<tr>
<td></td>
<td>4. Restricted movement of the bolt and operating rod assembly.</td>
<td>Remove, clean, and lubricate the bolt and operating rod assembly. Refer to WP 0013 00 and WP 0014 00.</td>
</tr>
<tr>
<td></td>
<td>5. Fouling or carbon in the extractor recess or lip.</td>
<td>Clean the extractor. Refer to WP 0013 00.</td>
</tr>
<tr>
<td></td>
<td>6. Frozen extractor.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td>4. Failure to Feed</td>
<td>1. Dirty or corroded ammunition.</td>
<td>Clean or replace the ammunition.</td>
</tr>
<tr>
<td></td>
<td>2. Defective drum or belt.</td>
<td>Replace the drum or belt.</td>
</tr>
<tr>
<td></td>
<td>3. Belt improperly loaded onto the feed tray.</td>
<td>Properly load the belt. Refer to WP 0005 00.</td>
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</table>
## TROUBLESHOOTING PROCEDURES - CONTINUED

Table 1. Troubleshooting Procedures – Continued.

<table>
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<th>Probable Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Failure to Feed - Cont.</td>
<td>4. Feed tray cover is not secured.</td>
<td>Close the feed tray cover. If it will not secure closed, evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>5. Feed mechanism is sticking.</td>
<td>Clean and lubricate the feed mechanism</td>
</tr>
<tr>
<td>5. Failure to Chamber.</td>
<td>1. Dirty, corroded, or damaged ammunition.</td>
<td>Clean or replace the ammunition.</td>
</tr>
<tr>
<td></td>
<td>2. Carbon or debris in the chamber or gas tube.</td>
<td>Clean the chamber or gas tube. Refer to WP 0013 00.</td>
</tr>
<tr>
<td>6. Bolt Fails to Lock.</td>
<td>1. Dirt, corrosion, or carbon on the locking blocks or upper receiver.</td>
<td>Clean the locking blocks and upper receiver. Refer to WP 0013 00.</td>
</tr>
<tr>
<td></td>
<td>2. Dented or deformed operating rod, gas tube, gas block, or upper receiver.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>3. Weapon is loaded improperly.</td>
<td>Clear the weapon and reload properly. Refer to WP 0005 00.</td>
</tr>
</tbody>
</table>
# Troubleshooting Procedures - Continued

Table 1. Troubleshooting Procedures – Continued.

<table>
<thead>
<tr>
<th>Malfunction/Symptom</th>
<th>Probable Cause</th>
<th>Corrective Action</th>
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<tbody>
<tr>
<td>7. Short Recoil.</td>
<td>1. Improper setting of the gas regulator.</td>
<td>Adjust the setting of the gas regulator. Refer to WP 0005 00.</td>
</tr>
<tr>
<td></td>
<td>2. Weapon is fouled or dirty.</td>
<td>Clean the bolt and operating rod assembly and gas tube. Refer to WP 0013 00. If cleaning does not correct the malfunction, evacuate to unit armorer.</td>
</tr>
<tr>
<td>8. Selector Lever Binds.</td>
<td>Lack of lubrication or dirty selector lever.</td>
<td>Clean and lubricate the selector lever.</td>
</tr>
<tr>
<td>9. Failure to Cock or Runaway Gun.</td>
<td>1. Worn or damaged sear, sear spring, or operating rod.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
<tr>
<td></td>
<td>2. Short Recoil.</td>
<td>Evacuate to the unit armorer.</td>
</tr>
</tbody>
</table>

END OF WORK PACKAGE
INTENTIONALLY BLANK
INSPECTING THE WEAPON

WARNING

Confirm the weapon is unloaded and on SAFE before performing the following procedures. Failure to follow this warning may cause injury or death to personnel.

Inspect all assemblies for missing, broken, or loose parts. Refer to Table 1 in this work package. Inspect for cracks, dents, burrs, excessive wear, rust, or corrosion. Ensure all items are cleaned and lubricated. If defects in this work package are noted, bring them to the attention of the unit armorer. The unit armorer will determine if a defect exists.
Table 1. Points of Inspection.

<table>
<thead>
<tr>
<th>Item Inspected</th>
<th>Procedure/Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Receiver and Barrel Assembly</td>
<td>Check the entire assembly for damage, corrosion, and overall finish. Check the front sight base, gas block, and gas tube for damage and looseness. Check the handguards for damage and looseness. The charging handle should slide without binding. Check the ejector for excessive wear or damage. The takedown pin should be secure in the upper receiver and it should secure the upper and lower receivers together.</td>
</tr>
<tr>
<td>Feed Tray and Feed Tray Cover Assembly</td>
<td>Check for dents and deformities. The feed tray cover’s release latch should secure it closed on the upper receiver. The feed mechanisms should move freely in the feed tray cover. The feed pawls should have spring tension.</td>
</tr>
<tr>
<td>Rear Sight Assembly</td>
<td>Check the assembly for damage and verify it is tight and secure. The slide assembly should “click” into place on the range markings on the sight leaf. The windage knob should turn both ways.</td>
</tr>
<tr>
<td>Front Sight Assembly</td>
<td>Check that the front sight post is not bent or damaged and that it adjusts up and down. Check the front sight aperture for damage and looseness on the front sight base.</td>
</tr>
</tbody>
</table>
### Table 1. Points of Inspection – Continued.

<table>
<thead>
<tr>
<th>Item Inspected</th>
<th>Procedure/Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolt and Operating Rod Assembly</td>
<td>Cycle the operating rod back and forth, feeling for any roughness that may indicate wear, corrosion, or dirt in the receiver. Check the firing pin for chipping or damage. Check the extractor for chips, wear, and spring tension.</td>
</tr>
<tr>
<td>Lower Receiver and Buttstock Assembly</td>
<td>Check the entire assembly for damage, corrosion, and overall finish. The pistol grip and buttstock should be secure and free of gouges. Up to three cracks are allowed in the buttstock, unless near pins and screws or if they limit serviceability. The selector lever must engage and retain its position when set on SAFE and FIRE.</td>
</tr>
<tr>
<td>Trigger Mechanism</td>
<td>The trigger moves smoothly without binding when set on FIRE, NOT when on SAFE.</td>
</tr>
<tr>
<td>Cleaning Rod</td>
<td>Check for bends or breaks. Ensure the threading will accept tool kit accessories.</td>
</tr>
<tr>
<td>RPD Tool Kit</td>
<td>Ensure all the accessories are present. Refer to Figure 1.</td>
</tr>
<tr>
<td>Sling</td>
<td>Check for mold, tears, cuts, and cracks. All hooks must be present. Clean with soap and water. Let air dry.</td>
</tr>
</tbody>
</table>
For the RPD tool kit accessories, refer to Figure 1.

Figure 1. RPD Tool Kit Accessories.

END OF WORK PACKAGE
The shooter will perform Preventive Maintenance Checks and Services (PMCS) before and after firing a 7.62 mm, RPD light machine gun.

1. **General.** To ensure the readiness of the weapon, perform preventive maintenance procedures prior to each mission in accordance with Table 1 in this work package. Preventive maintenance procedures include inspection, cleaning, and performance of the checkout procedures.

2. **Explanation of PMCS Table Columns and Entries.**
   
a. **Item Number.** Numbers in this column act as references. When completing an Equipment Inspection and Maintenance Worksheet, include the item number for the check/service item. Item numbers appear in the order in which the checks and services are to be performed.

b. **Interval.** This column states the designated interval when each check is to be performed.
   
   - BEFORE procedures must be performed prior operating the equipment for its intended mission.
   - DURING procedures must be performed while operating the equipment for its intended mission.
   - AFTER procedures must be performed immediately following the operation of the equipment.

c. **Item to Check/Service.** This column lists the items and locations to be checked or serviced.

d. **Procedure.** This column contains a brief description of PMCS procedures to be performed. The procedure must follow the time stated in the interval column.
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS), INCLUDING LUBRICATION INSTRUCTIONS - CONTINUED

3. **Other Table Entries.** Observe all WARNINGs, CAUTIONs, and NOTEs.

**WARNING**

Confirm the weapon is unloaded, clear, and on SAFE before performing the following procedures. Do not keep live ammunition near the work area. Failure to follow these warnings may cause injury or death to personnel.
Table 1. Preventive Maintenance Service Checks and Services (PMCS).

<table>
<thead>
<tr>
<th>(1) Item No.</th>
<th>(2) Interval</th>
<th>(3) Item to Check/Service</th>
<th>(4) Procedure</th>
<th>(5) Not Fully Mission Capable If:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Before</td>
<td>Visual Inspection of the Weapon</td>
<td>Check the weapon for missing or damaged parts. Report missing or damaged parts to the unit armorer.</td>
<td>Parts are missing or damaged to the point of being unserviceable.</td>
</tr>
<tr>
<td>2</td>
<td>During</td>
<td>Periodic Inspection of the Weapon</td>
<td>Periodically inspect the weapon to ensure it is clean and there are no foreign materials and obstructions in the bore. If foreign materials or obstructions are present, clean the bore.</td>
<td>Foreign materials and obstructions in the bore cannot be removed.</td>
</tr>
<tr>
<td>3</td>
<td>Before and After</td>
<td>Drum</td>
<td>Verify the drum cover can be locked closed and that the drum seats onto the drum mount under the upper receiver.</td>
<td>The drum cover will not close or the drum does not seat onto the upper receiver.</td>
</tr>
</tbody>
</table>
## PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS), INCLUDING LUBRICATION INSTRUCTIONS - CONTINUED

Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Interval</th>
<th>Item to Check/Service</th>
<th>Procedure</th>
<th>Not Fully Mission Capable If:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Before and After</td>
<td>Upper Receiver - Thread Protector</td>
<td>Check for looseness.</td>
<td>The thread protector is loose.</td>
</tr>
<tr>
<td>5</td>
<td>Before and After</td>
<td>Upper Receiver - Bipod Assembly</td>
<td>Raise and lower the bipod legs. Check for retention in each position.</td>
<td>The bipod legs cannot be raised, lowered, or retained in either position.</td>
</tr>
<tr>
<td>6</td>
<td>Before and After</td>
<td>Upper Receiver - Handguards</td>
<td>Check for looseness, cracks, or missing parts.</td>
<td>The handguards are loose on the barrel or are damaged.</td>
</tr>
<tr>
<td>7</td>
<td>Before and After</td>
<td>Upper Receiver - Drum Release</td>
<td>Check for retention of the drum.</td>
<td>The drum release does not retain or release the drum.</td>
</tr>
<tr>
<td>8</td>
<td>Before and After</td>
<td>Upper Receiver - Charging Handle</td>
<td>Check that the charging handle can charge the weapon and secure in the forward position without binding.</td>
<td>The charging handle cannot charge the weapon, secure in the forward position, or binds.</td>
</tr>
</tbody>
</table>
**Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Interval</th>
<th>Item to Check/Service</th>
<th>Procedure</th>
<th>Not Fully Mission Capable If:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Before and After</td>
<td>Bolt and Operating Rod Assembly</td>
<td>Check for binding while cycling the weapon and that the operating locks in the charged position.</td>
<td>The bolt and operating rod assembly binds or does not lock in the charged position.</td>
</tr>
<tr>
<td>10</td>
<td>Before and After</td>
<td>Weapon Sights</td>
<td>Move the front and rear sights to ensure they can be adjusted. Return the sights to the zero setting on the weapon.</td>
<td>The sights are damaged, missing, or cannot be adjusted.</td>
</tr>
<tr>
<td>11</td>
<td>Before and After</td>
<td>Feed Tray Cover</td>
<td>Manipulate pawls and levers to check for free movement. Open and close the feed tray cover to ensure its release latch will hold it closed.</td>
<td>The pawls or levers do not move freely or the feed tray cover’s release latch will not hold it closed.</td>
</tr>
<tr>
<td>(1) Item No.</td>
<td>(2) Interval</td>
<td>(3) Item to Check/Service</td>
<td>(4) Procedure</td>
<td>(5) Not Fully Mission Capable If:</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>---------------------------</td>
<td>---------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>Before and After</td>
<td>Lower Receiver - Buttstock</td>
<td>Check for cracks, looseness, and missing parts.</td>
<td>The buttstock is loose, has more than three cracks, or has any cracks near pins or screws.</td>
</tr>
<tr>
<td>13</td>
<td>Before and After</td>
<td>Sling Swivels and Sling Hook</td>
<td>Check for retention of the sling hooks on the sling swivels. Check the sling for damage, clean if necessary.</td>
<td>The sling hooks are no retained on the sling swivels.</td>
</tr>
<tr>
<td>14</td>
<td>During</td>
<td>Maintenance Performed During Firing Operations</td>
<td>Clean and lubricate the weapon after firing approximately 200 rounds of ammunition or at the end of the day. Refer to WP 0013 00.</td>
<td></td>
</tr>
</tbody>
</table>

Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.
## Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.

<table>
<thead>
<tr>
<th>(1) Item No.</th>
<th>(2) Interval</th>
<th>(3) Item to Check/Service</th>
<th>(4) Procedure</th>
<th>(5) Not Fully Mission Capable If:</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>After</td>
<td>Machine Gun</td>
<td>If the rate of fire slows or the weapon becomes sluggish, clean, clean, and lubricate the weapon.</td>
<td>Cleaning and lubrication does not improve function.</td>
</tr>
</tbody>
</table>
| 16          | After        | Maintenance of the Weapon and Equipment  | a. Disassemble the weapon. Refer to WP 0014 00.  
b. Clean and lubricate the weapon. Refer to WP 0013 00.  
c. Report all missing or damaged parts to the unit armorer. | Parts are missing or damaged.                              |
Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.

<table>
<thead>
<tr>
<th>(1) Item No.</th>
<th>(2) Interval</th>
<th>(3) Item to Check/Service</th>
<th>(4) Procedure</th>
<th>(5) Not Fully Mission Capable If:</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Before and After</td>
<td>Selector Lever: SAFE</td>
<td>a. Unload and clear the weapon. Refer to WP 0005 00.</td>
<td>The operating rod should not lock to the rear.</td>
</tr>
<tr>
<td></td>
<td>Function Check</td>
<td></td>
<td>b. Place the selector lever on SAFE. Using moderate force, attempt to charge the weapon.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>c. Place the selector lever on FIRE, charge the weapon, and place the selector lever on SAFE.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>d. Holding the charging handle to the rear. Pull the trigger. The operating rod should stay locked to the rear.</td>
<td>The operating rod is released.</td>
</tr>
</tbody>
</table>
Table 1. Preventive Maintenance Service Checks and Services (PMCS) – Continued.

<table>
<thead>
<tr>
<th>(1) Item No.</th>
<th>(2) Interval</th>
<th>(3) Item to Check/Service</th>
<th>(4) Procedure</th>
<th>(5) Not Fully Mission Capable If:</th>
</tr>
</thead>
</table>
| 18          | Before and After Function Check | Selector Lever: FIRE | a. Place the selector lever on FIRE.  
b. Holding the charging handle to the rear, pull the trigger. The operating rod should be released. | The operating rod is not released. |
LUBRICATION

1. **Inspect Before Lubrication.** If items are found to be unsatisfactory during inspection, notify the unit armorer.

   **WARNING**

   Do not interchange bolt assemblies between weapons. Failure to follow this warning may cause injury or death to personnel.

   a. **Bolt.** Inspect for cracks or fractures. Bolts containing pits extending into the firing pin hole need to be replaced.
   b. **Firing Pin.** Inspect the firing pin for a bent, cracked, blunted, or sharp end.
   c. **Extractor and Extractor Spring.** Inspect the extractor for chipped or broken edges in the area of the lip that engages the cartridge rim. Check the extractor spring tension.

2. **Cleaner, Lubricant, and Preservative (CLP).**

   a. CLP performs the following:

      1. Dissolves firing residue and carbon.
      2. Provides a layer of teflon for lubrication of parts.
      3. Prevents rust from forming.
CAUTION

Do not dry clean the weapon. Do not use hot water or other solvents to clean the weapon. This will remove the teflon lubricant built up as a result of using CLP.

b. Use CLP as follows:

   (1) Shake the bottle well before each use.
   (2) Place a few drops on a patch or rag.
   (3) Clean the weapon with patches or rags until no residue is found.
   (4) Use another patch or rag to apply a fresh, light coat.

3. **Lubrication.** CLP is the lubricant to be used under all but the coldest arctic conditions when Lubricant, Arctic, Weapons (LAW) is used. Remove excessive lubricant from the bore and chamber before firing. For a lubricant guide, refer to Figure 1.

**NOTE**

Dry cleaning solvents may be used to remove lubricants completely. When moving to extreme cold weather operations, remove traces of CLP before applying LAW.
LUBRICANT GUIDE

Under all but the coldest arctic conditions, CLP is the lubricant to use on the weapon. Remember to remove excessive CLP from the bore and chamber before firing.

CLP - Cleaner, Lubricant, and Preservative
Refillable 1/2 oz. bottle
NSN 9150-01-102-1473

BETWEEN +10° AND -10° EITHER CLP OR LAW

LIGHTLY LUBED - A film of CLP barely visible to the eye.
GENTLY LUBED - I leavy enough so that it can be spread with the finger.

LAW - Lubricant, Arctic, Weapons
1 qt. can
NSN 9150-00-292-9689

Figure 1. Lubricant Guide.
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS), INCLUDING LUBRICATION INSTRUCTIONS - CONTINUED

a. Upper Receiver and Barrel Assembly.

(1) Lightly lubricate the inside of the receiver, bore, and chamber, outer surfaces of the barrel, front sight, drum release, gas tube, and surfaces under the handguards.

(2) Apply one drop of CLP to the front sight post, rotate to work in the CLP, wipe away excess CLP, and return to original position.

b. Bolt and Operating Rod Assembly.

(1) Dry the bolt assembly, locking blocks, and operating rod.

(2) Lightly lubricate the locking blocks

(3) Lightly lubricate the operating rod. Generously lubricate the cam recess and receiver rail recesses of the operating rod.

c. Lightly lubricate the drive spring and drive rod. Refer to Figure 2.

Figure 2. Drive Rod and Drive Spring.
CAUTION

Apply only a light coat of CLP to the firing pin and firing pin hole in the bolt.

(1) Lubricate the bolt assembly and work the extractor and firing pin to work in the CLP. Wipe away excess CLP. Refer to Figure 3.

Figure 3. Bolt Assembly.
d. **Rear Sight Assembly.** Refer to Figure 4.

1. Apply one drop of CLP to the base of the sight leaf. Flip up and down to work in the CLP.
2. Apply one drop of CLP to the slide assembly. Press the button several times and slide up and down the sight leaf to work in the CLP.
3. Apply one drop of CLP to the windage knob and turn it both directions several times to work in the CLP.

![Figure 4. Rear Sight Assembly.](image-url)
(4) Reset the rear sight to its original setting.

c. **Feed Tray and Feed Tray Cover Assembly.**

   (1) Lightly lubricate the feed tray and feed tray cover retaining pin and the feed tray. Manipulate the port covers on the feed tray to work CLP into their springs.

   (2) Generously lubricate the levers, pawls and the feed pawl slide of the feed tray cover and manipulate them to work in the CLP. Refer to Figure 5.

Figure 5. The Levers, Pawls, and Feed Pawl Slide of the Feed Tray Cover.
NOTE

After amphibious salt water operations, thoroughly rinse the rear sight and feed tray cover in fresh water until the tactical situation allows for thorough cleaning and lubrication.

END OF WORK PACKAGE
GENERAL MAINTENANCE INSTRUCTIONS

THIS WORK PACKAGE COVERS
Scope, Work Safety, General Information, Cleaning Instructions, Inspection Instructions, and Lubrication Instructions.

INITIAL SETUP

<table>
<thead>
<tr>
<th>Maintenance Level</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator</td>
<td>WP 0011 00</td>
</tr>
<tr>
<td></td>
<td>WP 0013 00</td>
</tr>
<tr>
<td></td>
<td>WP 0018 00</td>
</tr>
</tbody>
</table>

0012 00-1
GENERAL MAINTENANCE INSTRUCTIONS - CONTINUED

SCOPE
These general maintenance instructions contain general shop practices and specific methods you must be familiar with to properly maintain the RPD light machine gun.

WORK SAFETY
1. Before starting a task, think about the risks and safety hazards. Wear protective gear such as safety goggles or lenses, safety shoes, a rubber apron, and gloves.

2. Observe all WARNINGs, CAUTIONs, and NOTEs.

GENERAL INFORMATION

CAUTION
DO NOT mix lubricants on the same weapon. The weapon must be cleaned thoroughly during any change from one lubricant to another. Dry cleaning solvent (SD) is recommended for cleaning before changing lubricants.

When the term lubricant is used in this TM, it is to be interpreted to mean CLP (Cleaner, Lubricant, and Preservative); LSA (Lubricating Oil, Semi-fluid, Automatic Weapons); or LAW (Lubricant, Arctic, Weapons).

1. Disassemble, thoroughly clean, inspect, and lubricate the weapon.

0012 00-2
2. Always shake CLP prior to use.

3. After firing, clean the weapon with CLP according to instructions in WP 0013 00. Wipe the weapon dry and lubricate according to instructions in WP 0011 00.

   **NOTE**

   Contact the unit armorer if parts from the cleaning kit are missing or defective.

4. Cleaning materials (e.g., patches, pipe cleaners, and CLP) are expendable items. For a complete list of cleaning materials refer to WP 0018 00.

**CLEANING INSTRUCTIONS**

**NOTE**

Use only CLP for cleaning and lubrication in all but the most severe conditions.

Cloths or rags saturated with CLP must be disposed of in accordance with authorized facilities’ procedures.

Cleaning instructions are the same for the majority of the parts and components of the weapon.
The importance of cleaning must be thoroughly understood by operators and maintenance personnel. Great care and effort are required in cleaning. Dirt and foreign material are a constant threat to satisfactory maintenance. The following apply to all cleaning, inspection, repair, and assembly operations:

a. Clean all parts before inspection, after repair, and before assembly.

b. To prevent contamination, hands should be kept free of any accumulation of grease which can collect dust, dirt, or grit.

c. After cleaning, all parts should be covered or wrapped to protect them from dust and dirt. Parts that are subject to rust should be lightly oiled.

1. **Cleaning Disassembled Parts**

   a. Dry and cover all cleaned parts.

   b. All parts subject to rusting must be lightly oiled and wrapped.

   c. Keep all related parts and components together. Do not mix parts.

2. **Castings**

   a. Clean the inner and outer surfaces of castings with CLP.

   b. Use a stiff brush to remove sludge and gum deposits.
3. Machined Surfaces.
   a. Clean machined surfaces with CLP.
   b. Dry surfaces thoroughly.

4. Mated Surfaces. Lightly coat with CLP and wrap all parts subject to rust before storing.

INSPECTION INSTRUCTIONS

1. General. All components and parts must be checked carefully to determine if they are serviceable for reuse or if they must be scrapped.

2. Castings.
   a. Replace all cracked castings.
   b. Inspect machined surfaces for nicks, burrs, or raised metal. Mark damaged areas for repair or replacement.
   c. Inspect all screws and screw openings for damaged or stripped threads.


4. Machined Surfaces. Inspect for cracks, evidence of wear, galled or pitted surfaces, burrs, nicks, and scratches.

5. Mating Surfaces. Inspect mating surfaces for seal, secure fit, and pitting.
6. **Rusted Surfaces.** Inspect for pitting, holes, and severe damage.

7. **Internal Parts.** Inspect for cracks, nicks, burrs, evidence of overheating, and wear.

8. **Externally Exposed Parts.** Inspect for breaks, cracks, rust damage, and wear.

9. **Springs.** Inspect for broken, collapsed, and twisted coils.

**LUBRICATION INSTRUCTIONS**

Refer to *Preventive Maintenance Checks and Services (PMCS)* (WP 0011 00) for detailed, illustrated instructions on proper lubrication. The following are some general practices to remember:

a. Use the correct lubricant.

b. Keep lubricants clean.

c. Lubricate clean, disassembled, and new parts to prevent rust.

**END OF WORK PACKAGE**
WEAPON CLEANING

THIS WORK PACKAGE COVERS
Cleaning the Weapon.

INITIAL SETUP

<table>
<thead>
<tr>
<th>Maintenance Level</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator</td>
<td>WP 0005 00</td>
</tr>
<tr>
<td></td>
<td>WP 0014 00</td>
</tr>
<tr>
<td></td>
<td>WP 0018 00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Materials/Parts</th>
<th>Equipment Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaner, Lubricant, and Preservative (CLP)</td>
<td>Weapon field stripped (WP 0014 00)</td>
</tr>
<tr>
<td>Cleaning kit</td>
<td></td>
</tr>
<tr>
<td>Pipe cleaner</td>
<td></td>
</tr>
<tr>
<td>Rag, wiping</td>
<td></td>
</tr>
</tbody>
</table>

WARNING

Ensure the weapon is clear before performing the following procedures. DO NOT interchange parts from one weapon to another. Failure to follow this warning may cause injury or death to personnel.
WEAPON CLEANING - CONTINUED

CLEANING THE WEAPON

Cleaning is part of scheduled maintenance and should always begin with an inspection of the weapon. Use the equipment listed in WP 0018 00 for cleaning and lubrication. The weapon should be cleaned within two hours of firing or as soon as the tactical situation permits.

1. **Field Expedient Cleaning.**

   **NOTE**
   After cleaning and before reassembly, lightly lubricate all parts with CLP.

   a. Clear the weapon. Refer to WP 0005 00.
   b. Check the bore and chamber for fouling.
   c. Clean carbon and oil from the firing pin and all surfaces of the bolt, locking blocks, and operating rod with clean, dry swabs.
   d. Clean the firing pin hole with a pipe cleaner.
   e. Apply a light coat of CLP. Give special attention to the cam recesses and receiver rail recesses of the operating rod.
WEAPON CLEANING - CONTINUED

CAUTION

Ensure the patch goes completely through the muzzle. Do not reverse the direction while the patch is in the bore or muzzle.

f. Swab out the weapon from chamber to muzzle.

(1) Insert a clean patch in the cleaning rod. Apply several drops of CLP to the patch. Refer to Figure 2.

Figure 2. Cleaning Rod with Patch.

(2) Holding the upper receiver in one hand, insert the end of the rod without the patch holder into the chamber. Allow the rod to fall straight through the bore. Two to three inches will stick out of the muzzle.

(3) Pull the cleaning rod out the muzzle. The rod will twist as it is pulled through.
WEAPON CLEANING - CONTINUED

2. **Detailed Cleaning Techniques - with an Otis Kit.**

   a. Attach the bore obstruction remover tip to one end of the flexible cleaning rod and attach the slotted tip to the other end of the rod.

   b. Place the slotted tip into an outside hole on a cleaning patch.

      **NOTE**
      The size of the patch may be varied by pinching the patch in locations further away from the slot.

   c. Pinch a portion of the patch and insert it through the slot in the slotted tip. Pull it tight to tie the knot and ensure that the patch scrubs efficiently.

   d. Turn the outer edge of the patch down over itself.

      **NOTE**
      If done correctly, the patch forms a symmetrical cone centering it in the bore, ensuring 360° cleaning occurs. Always use a clean patch each time it is passed through the bore.

   e. Apply three to five drops of CLP to the front end of the knot in the patch. Do not dip the patch into the CLP.

   f. Insert the bore obstruction remover tip and flexible cleaning rod into the chamber until the patch enters the receiver.
WEAPON CLEANING - CONTINUED

g. Use the patch to mop out the upper receiver.

h. Hold the flexible cleaning rod by the knurled bore obstruction remover and rotate the rod as the patch enters the locking lugs. Use fingers or the cleaning brush to force the patch into the recess in front of the locking lugs.

NOTE
Give special attention to the following areas in step i, particularly if the weapon has been firing blank rounds.

i. Continue to turn the patch as it passes through the chamber and enters the neck area.
j. Continue to pull the flexible cleaning rod and patch through the barrel until the patch exits the muzzle.
k. Remove the patch and slotted tip from the flexible cleaning rod.
l. Attach the chamber brush to one end of the short chamber cleaning rod and the T-handle to the other end.
m. Cover the chamber brush with a used patch. Mop out the locking lugs and chamber while turning it in a clockwise direction with the T-handle. Let the brush feed itself into the chamber.
n. Give the brush and patch several turns while in the chamber, ensuring the shoulder of the chamber is cleaned.
o. Turn and pull the brush and patch from the chamber.
p. Attach the bore brush to the flexible cleaning rod.
NOTE
Do not push the bore brush into the bore at first.

q. Insert the flexible cleaning rod into and down through the bore.

r. Turn the flexible rod as the bore brush enters the chamber and into the neck so that the brush can be felt scrubbing the shoulder of the neck.

s. Pull the bore brush into and through the bore in a “breech-to-muzzle” direction.

t. Using a clean, dry patch for each pass through the chamber and bore, repeat steps f through k.

u. If the patch does not come out clean, repeat steps p through s until the patch comes out clean.

3. **Thorough Cleaning.**

   a. **Upper Receiver and Barrel Assembly.** Clean with CLP.

      (1) Clean all areas of powder fouling, corrosion, dirt, debris, and rust.

      (2) Clean the chamber, gas tube, and gas block.
WEAPON CLEANING - CONTINUED

CAUTION

When using bore brush, DO NOT reverse direction while brush is in bore.

(3) Clean the bore, starting at the receiver, dropping the cleaning rod with bore brush attached through the chamber and pulling through the barrel and muzzle.

(4) Remove the handguards and wipe them with a cloth.

(5) Clean the front and rear sights with a brush and CLP.

(6) Clean the thread protector with a brush and CLP.

b. **Feed Tray and Feed Tray Cover**.

   (1) Clean all areas of powder fouling, corrosion, dirt, debris, and rust.

   (2) Remove any debris from under and around the feed mechanism with a brush and pipe cleaner.

c. **Lower Receiver and Buttstock Assembly**. Clean with CLP.

   (1) Clean all areas of powder fouling, corrosion, dirt, debris, and rust.

   (2) Clear any dirt and debris from on or around the trigger mechanism.
WEAPON CLEANING - CONTINUED

(3) Drive Spring and Drive Rod. Clean with a brush and CLP. Remove any debris from the drive spring hole in the buttstock.

(4) Pistol Grip and Buttstock. Do not use CLP. Clean with a brush and cloth. Remove any debris from inside the buttstock compartment.

(5) Buttplate. Clean with a brush and CLP.

d. Bolt and Operating Rod Assembly.

(1) Scrub surfaces of the operating rod with a well worn bore brush and CLP.

(2) Clean the firing pin hole (using a pipe cleaner) and firing pin with CLP. Wipe off excess CLP.

(3) Check the extractor for spring tension and clean any carbon and debris from under the extractor lip.

(4) Apply CLP to the extractor and depress it several times to work in the CLP. Wipe off excess CLP.

e. Drum. Remove any debris and lightly lubricate with CLP. Wipe off excess CLP.

END OF WORK PACKAGE
WEAPON MAINTENANCE (FIELD STRIPPING)

THIS WORK PACKAGE COVERS
Disassembly/Field Stripping and Reassembly.

INITIAL SETUP

Tools and Special Tools
RPD tool kit

Equipment Conditions
Weapon cleared (WP 0005 00)

References
WP 0005 00

DISASSEMBLY/FIELD STRIPPING

WARNING
Ensure the weapon is clear and on SAFE before performing these procedures. Failure to follow this warning may cause injury or death to personnel.

0014 00-1
1. Clear the weapon. Refer to WP 0005 00.

2. Remove the sling.

3. Remove the cleaning rod by pulling it away from and then to the rear of the weapon. Use a punch located in the RPD tool kit, if necessary. Refer to Figure 1.

Figure 1. Removing the Cleaning Rod.
WARNING

Ensure the bolt is forward to relieve spring tension on the drive spring retaining pin.

4. Depress the buttplate catch and rotate the buttplate door 90 degrees to access the head of the drive spring retaining pin. Refer to Figure 2.

Figure 2. Accessing the Head of the Drive Spring Retaining Pin.
5. Place the combination tool in the RPD tool kit case and use the end of the combination tool to rotate the drive spring retaining pin 90 degrees. Remove the drive rod assembly and remove the drive spring retaining pin from the drive spring. DO NOT disassemble the drive spring and drive rod. Refer to Figure 3.

Figure 3. Removing the Drive Rod Assembly.
6. Use a punch, located in the RPD tool kit, or a field expedient tool to push out the takedown pin from the left. Refer to Figure 4.

Figure 4. Pushing Out the Takedown Pin.
7. Pull the lower receiver to the rear to remove it from the upper receiver. Refer to Figure 5.

Figure 5. Removing the Lower Receiver.
8. Remove the bolt and operating rod assembly from the rear of the upper receiver. Refer to Figure 6.

Figure 6. Removing the Bolt and Operating Rod Assembly.
9. Remove the bolt assembly and locking blocks from the operating rod. Refer to Figure 7.
10. On the right side of the upper receiver, pull the charging handle to the rear and out of the upper receiver. Refer to Figure 8.

Figure 8. Removing the Charging Handle.
1. Install the charging handle into the recess on the right side of the upper receiver. Refer to Figure 9.
2. Place the locking blocks and bolt assembly onto the operating rod. Refer to Figure 10.

Figure 10. Locking Blocks, Bolt Assembly, and Operating Rod Reassembled.
WEAPON MAINTENANCE (FIELD STRIPPING) - CONTINUED

3. Install the bolt and operating rod assembly into the upper receiver. The locking blocks must be flush against the bolt. Refer to Figure 11.

Figure 11. Installing the Bolt and Operating Rod Assembly.
4. Install the lower receiver onto the upper receiver from the rear. Refer to Figure 12.

Figure 12. Installing the Lower Receiver.
5. Push in the takedown pin in from the right side of the weapon. Refer to Figure 13.

Figure 13. Push in the Takedown Pin.
6. Install the drive spring retaining pin into the end of the drive spring and install the drive rod assembly into the rear of the buttstock. Refer to Figure 14.

Figure 14. Installing the Drive Rod Assembly.
7. Place the combination tool in the RPD tool kit case. Use the end of the combination tool to rotate the head of the drive spring retaining pin 90 degrees, securing it in the buttstock. Refer to Figure 15.

Figure 15. Securing the Drive Spring Retaining Pin.
8. Close the buttplate door. Refer to Figure 16.

Figure 16. Closing the Buttplate Door.
9. Using a punch from the RPD tool kit, install the cleaning rod into the left side of the weapon. Refer to Figure 17.

Figure 17. Installing the Cleaning Rod.

END OF WORK PACKAGE
PREPARATION FOR STORAGE

STORAGE PROCEDURES

WARNING

DO NOT store the weapon with live ammunition in the chamber or on the feed tray. Always assume every weapon is loaded until it is determined through visual and physical inspection that it is not loaded. Refer to WP 0005 00 for clearing and unloading procedures. Failure to follow these warnings may cause injury or death to personnel.

1. Stored for Extended Periods. When the weapon is to be stored for an extended period (greater than 90 days), follow the procedures outlined in MCO P4450.7, Preparation for Storage. Ensure the weapon is thoroughly cleaned as outlined in WP 0013 00.

2. Storage Procedures.
   a. Ensure that the chamber, feed tray, and drum do not contain live ammunition.
   b. Inspect the bore and chamber and apply a medium coat of CLP.
   c. Apply a light coat of CLP to all other metal surfaces of the weapon to provide extra lubrication and corrosion protection.

END OF WORK PACKAGE
CHAPTER 5

SUPPORTING INFORMATION
INTENTIONALLY BLANK
REFERENCES

SCOPE
This work package lists all forms, field manuals, technical manuals, tables, regulations, standards, and miscellaneous publications referenced in this manual and relevant to this weapon.

MARINE CORPS ORDERS
Preparation for Storage...................................................................................................................................... MCO P4450.7
Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Contamination Avoidance ............................................................................................................. MCWP 3-37.2A
Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination ................................................................................................................................ MCWP 3-37.3

TECHNICAL MANUALS
Corrosion Control for Marine Corps Ground Equipment .................................................................................. TM 3080-25/2
Ground Equipment Record Procedures .................................................................................................................. TM 4700-15/1
Organizational Corrosion Prevention and Control Procedure for USMC Equipment ........................................ TM 4795-12/1
Organizational Maintenance Manual with Repair Parts List for Light Machine Gun, 7.62 MM, RPD ........................................................................................................................................ TM 8370-50037-IN/4
Military Use of Cleaner, Lubricant, and Preservative (CLP) for Weapons and Support Equipment.............. TM 9150-15/1

0016 00-1
REFERENCES - CONTINUED

FORMS
Weapon Custody Receipt Card....................................................................................................................... NAVMC 10520
Memorandum Receipt for Individual Weapons and Accessories................................................................. NAVMC 10576
Recommended Changes to Technical Publications...................................................................................... NAVMC 10772

END OF WORK PACKAGE
SUPPLY SYSTEM RESPONSIBILITY ITEMS (SSRI) LIST

SCOPE
This work package lists Supply System Responsibility Items (SSRI) required for operation of the 7.62 mm, RPD light machine gun. The list contains SSRI that are essential for operating the end item. Refer to Table 1.

EXPLANATION OF COLUMNS
1. **Column (1) - Item Number.** This number is assigned to the entry in the list and is referenced in the narrative instructions to identify the item.

2. **Column (2) - Level.** This column identifies the lowest level of maintenance that requires the listed item.
   - C – Operator/Crew

3. **Column (3) - National Stock Number.** This is the NSN assigned to the item that you can use to requisition it.

4. **Column (4) - Description, Part Number, and CAGEC.** This provides the other information you need to identify the item.

5. **Column (5) - Unit of Measure (U/M).** This code shows the physical measurement or count of an item, such as gallon, dozen, gross, kit (KT), each (EA), package (PG), bottle (BT), etc.

6. **Column (6) - Quantity Recommended (QTY REC’M).** Qty Rec’m indicates the quantity recommended.
Table 1. SSRI for RPD Light Machine Gun.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Level</th>
<th>National Stock Number</th>
<th>Description, Part Number, and CAGEC</th>
<th>U/M</th>
<th>QTY REC’M</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C</td>
<td>TBD</td>
<td>Light Machine Gun, 7.62 mm, RPD P/N TBD; CAGEC TBD</td>
<td>EA</td>
<td>1</td>
</tr>
</tbody>
</table>

END OF WORK PACKAGE
USING UNIT RESPONSIBILITY ITEMS (UURI) LIST

SCOPE
This work package lists Using Unit Responsibility Items (UURI) authorized for support of the RPD light machine gun. Items listed will not be issued with the weapon and must be requisitioned through the system.

EXPLANATION OF COLUMNS
1. **Column (1) - National Stock Number.** Indicates the National Stock Number (NSN) assigned to the item that will be used for requisitioning purposes.

2. **Column (2) - Description, Part Number, and CAGEC.** Indicates the Federal item name followed by a minimum description when needed. The entry for each item ends with the Commercial and Government Entity Code (CAGEC) proceeded by the part number.

3. **Column (3) - Usable on Code.** This column indicates a code if the item needed is not the same for different models of equipment.

4. **Column (4) - Unit of Measure (U/M).** Indicates how the item is issued for the National Stock Number shown in Column (1), such as package (PG), kit (KT), each (EA), bottle (BT), etc.

5. **Column (5) - Quantity Recommended (QTY REC’M).** Indicates the quantity recommended.
### Table 1. UURI for the RPD Light Machine Gun.

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Stock Number</td>
<td>Description, Part Number, and CAGEC</td>
<td>Usable on Code</td>
<td>U/M</td>
<td>QTY REC’M</td>
</tr>
<tr>
<td>9150-01-102-1473</td>
<td>Cleaner, Lubricant, and Preservative (CLP), 2/3 oz P/N 900; CAGEC 65983</td>
<td>BT</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1005-00-288-3565</td>
<td>Patch, cleaning, small caliber, 7.62 mm P/N 5019316; CAGEC 19204</td>
<td>PG</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>1005-00-494-6602</td>
<td>Brush, cleaning, small arms P/N 8448462; CAGEC 19204</td>
<td>EA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>TBD</td>
<td>Belt, ammunition, 50 round P/N TBD; CAGEC TBD</td>
<td>EA</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>TBD</td>
<td>Drum, ammunition, 100 round P/N TBD; CAGEC TBD</td>
<td>EA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1005-01-451-5119</td>
<td>Cleaning kit, gun, (7.62 mm, Otis, soft belt pack) P/N 308-6; CAGEC 01VS3</td>
<td>KT</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**OTIS, 7.62 MM CLEANING KIT CONSISTS OF:**

| TBD | Case, soft pack (w/ ALICE clips) P/N 915-DMR, CAGEC 01VS3 | EA | 1 |
| 1005-01-449-8902 | Handle, Tee P/N C-01-5; CAGEC 01VS3 | EA | 1 |
### Table 1. UURI for the RPD Light Machine Gun – Continued.

<table>
<thead>
<tr>
<th>(1) National Stock Number</th>
<th>(2) Description, Part Number, and CAGEC</th>
<th>(3) Usable on Code</th>
<th>(4) U/M</th>
<th>(5) QTY REC’M</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>OTIS, 7.62 MM CLEANING KIT CONSISTS OF CONT’D:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1005-01-445-6798</td>
<td>Brush, lens, mohair P/N 3762; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>9150-01-102-1473</td>
<td>Cleaner, lubricant, and preservative P/N 901-T-10; CAGEC 01VS3</td>
<td></td>
<td>BT</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-445-5889</td>
<td>Handle, rod, female P/N 9098-5; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-445-6728</td>
<td>Patch, small caliber, 7.62 mm, round P/N 970-10; CAGEC 01VS3</td>
<td></td>
<td>PG</td>
<td>10</td>
</tr>
<tr>
<td>1005-01-449-9674</td>
<td>Adapter, NATO P/N 316-5; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-8999</td>
<td>Brush, bore, 7.62 mm, P/N 330; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-9282</td>
<td>Brush, chamber, .45 cal, P/N 345, CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>TBD</td>
<td>Reflector, bore, P/N 905-1, CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
</tbody>
</table>
Table 1. UURI for the RPD Light Machine Gun – Continued.

<table>
<thead>
<tr>
<th>(1) National Stock Number</th>
<th>(2) Description, Part Number, and CAGEC</th>
<th>(3) Usable on Code</th>
<th>(4) U/M</th>
<th>(5) QTY REC’M</th>
</tr>
</thead>
<tbody>
<tr>
<td>1005-01-449-8928</td>
<td>Brush, end, nylon P/N 318-5; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-8934</td>
<td>Rod, flex, 30” P/N C-30-5; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-452-8673</td>
<td>Rod, flex, 8” P/N C-8-5 CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-9943</td>
<td>Pick, gas port P/N 100-39-5; CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-445-6799</td>
<td>Brush, compact, all-purpose (A/P) P/N 324 CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-445-6797</td>
<td>Scraper P/N 206-5 CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-9254</td>
<td>Tip, slotted, 7.62 mm P/N 203-5 CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>1005-01-449-8908</td>
<td>Remover, obstruction, 7.62 mm P/N 105-5 CAGEC 01VS3</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
</tbody>
</table>

END OF OTIS, 7.62 MM CLEANING KIT
### USING UNIT RESPONSIBILITY ITEMS (UURI) LIST - CONTINUED

Table 1. UURI for the RPD Light Machine Gun – Continued.

<table>
<thead>
<tr>
<th>(1) National Stock Number</th>
<th>(2) Description, Part Number, and CAGEC</th>
<th>(3) Usable on Code</th>
<th>(4) U/M</th>
<th>(5) QTY REC’M</th>
</tr>
</thead>
<tbody>
<tr>
<td>6515-00-905-1473</td>
<td>Applicator, disposable (Q-tip) P/N 240-5</td>
<td></td>
<td>PG</td>
<td>10</td>
</tr>
<tr>
<td>9150-00-935-6597</td>
<td>Lubricating oil, semi-fluid P/N MILL 46000; CAGEC 81349 (2 oz.)</td>
<td></td>
<td>BT</td>
<td>A/R</td>
</tr>
<tr>
<td>9150-00-889-3522</td>
<td>Lubricating oil, semi-fluid P/N 8436793; CAGEC 19204 (4 oz.)</td>
<td></td>
<td>BT</td>
<td>A/R</td>
</tr>
<tr>
<td>TBD</td>
<td>Sling, RPD</td>
<td></td>
<td>EA</td>
<td>1</td>
</tr>
</tbody>
</table>

END OF WORK PACKAGE
EXPENDABLE AND DURABLE ITEMS LIST

SCOPE
This work package lists Expendable and Durable Items you are authorized for support and operation of the RPD light machine gun.

EXPLANATION OF COLUMNS
1. **Column (1) - Item Number.** This number is assigned to the entry in the list, and is referenced in the narrative instructions to identify the item [e.g., Rag, wiping (Item 8, WP 0019 00)].

2. **Column (2) - National Stock Number.** This is the NSN assigned to the item that will be used for requisition.

3. **Column (3) - Item Identification.** This provides the other information needed to identify the item.

4. **Column (4) - Unit of Measure (U/M).** This code shows the physical measurement or count of an item, such as each (EA), quart (QT), bottle (BT), package (PG), box (BX), book (BK), or bale (BE).
Table 1. Expendable and Durable Items for the RPD Light Machine Gun.

<table>
<thead>
<tr>
<th>(1) Item Number</th>
<th>(2) National Stock Number</th>
<th>(3) Item Identification</th>
<th>(4) U/M</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9150-01-102-1473</td>
<td>Cleaner, Lubricant, Preservative (CLP) (65983) (2/3 oz.)</td>
<td>BT</td>
</tr>
<tr>
<td>2</td>
<td>9920-00-292-9946</td>
<td>Cleaner, tobacco pipe (89855) 36 per package</td>
<td>BX</td>
</tr>
<tr>
<td>3</td>
<td>9150-00-292-9689</td>
<td>Lubricant, Arctic, Weapons (LAW) (81349) MIL-L-14107 1 qt (0.95 L) can</td>
<td>QT</td>
</tr>
<tr>
<td>4</td>
<td>9150-00-889-3522</td>
<td>Lubricating oil, semi-fluid (19204) (4 oz.)</td>
<td>BT</td>
</tr>
<tr>
<td>5</td>
<td>1005-00-288-3565</td>
<td>Patch, small caliber, 7.62 mm</td>
<td>PG</td>
</tr>
<tr>
<td>6</td>
<td>1010-01-445-6728</td>
<td>Patch, small caliber, 7.62 mm, round</td>
<td>PG</td>
</tr>
<tr>
<td>7</td>
<td>6515-00-905-1473</td>
<td>Applicator, disposable (Q-tip)</td>
<td>PG</td>
</tr>
<tr>
<td>8</td>
<td>7290-00-205-1711</td>
<td>Rag, wiping (58536) A-A-531 (50 lb, 22.68 kg)</td>
<td>BE</td>
</tr>
</tbody>
</table>
### Table 1. Inventory Sheet.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>National Stock Number</th>
<th>Item ID</th>
<th>Unit of Measure</th>
<th>Qty Used in Unit</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9150-01-102-1473</td>
<td>Cleaner, Lubricant, and Preservative (CLP), 2/3 oz</td>
<td>BT</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1005-00-494-6602</td>
<td>Brush, cleaning, small arms</td>
<td>EA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1005-01-451-5119</td>
<td>Cleaning kit, 7.62 mm, Otis (soft belt-pack)</td>
<td>KT</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**OTIS, 7.62 mm CLEANING KIT CONSISTS OF:**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item ID</th>
<th>Unit of Measure</th>
<th>Qty Used in Unit</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>TBD</td>
<td>Case, soft pack</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>1005-01-449-8902</td>
<td>Handle, Tee</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>9150-01-102-1473</td>
<td>Cleaner, lubricant, and preservative</td>
<td>BT</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>1005-01-445-6798</td>
<td>Brush, lens, mohair</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>Item No.</td>
<td>National Stock Number</td>
<td>Item ID</td>
<td>Unit of Measure</td>
<td>Qty Used in Unit</td>
</tr>
<tr>
<td>---------</td>
<td>------------------------</td>
<td>-------------------------------</td>
<td>----------------</td>
<td>------------------</td>
</tr>
<tr>
<td>8</td>
<td>1005-01-445-5889</td>
<td>Handle, rod, female</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>1005-01-445-6728</td>
<td>Patch, small caliber, 7.62 mm, round</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>1005-01-449-9674</td>
<td>Adapter, NATO</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>1005-01-449-8999</td>
<td>Brush, bore, 7.62 mm</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>1005-01-449-8928</td>
<td>Brush, end</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>1005-01-449-9282</td>
<td>Brush, chamber, .45 cal</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>TBD</td>
<td>Bore lite, fiber optic</td>
<td>EA</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>1005-01-449-8928</td>
<td>Brush, end, nylon</td>
<td>EA</td>
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### INVENTORY SHEET - CONTINUED

Table 1. Inventory Sheet - Continued.

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<tr>
<th>Item No.</th>
<th>National Stock Number</th>
<th>Item ID</th>
<th>Unit of Measure</th>
<th>Qty Used in Unit</th>
<th>Month</th>
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<tbody>
<tr>
<td>16</td>
<td>1005-01-449-8934</td>
<td>Rod, flex, 30&quot;</td>
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<td>17</td>
<td>1005-01-452-8673</td>
<td>Rod, flex, 8&quot;</td>
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<td>18</td>
<td>1005-01-449-9943</td>
<td>Pick, gas port</td>
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<td>19</td>
<td>1005-01-445-6799</td>
<td>Brush, compact, all-purpose (A/P)</td>
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<tr>
<td>20</td>
<td>1010-01-445-6797</td>
<td>Scraper</td>
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<tr>
<td>21</td>
<td>1005-01-449-9254</td>
<td>Tip, slotted, 7.62 mm</td>
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<tr>
<td>22</td>
<td>1005-01-449-8908</td>
<td>Remover, obstruction, 7.62 mm</td>
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END OF OTIS, 7.62 mm CLEANING KIT
### Table 1. Inventory Sheet - Continued.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>National Stock Number</th>
<th>Item ID</th>
<th>Unit of Measure</th>
<th>Qty Used in Unit</th>
<th>Month</th>
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<tbody>
<tr>
<td>23</td>
<td>9150-00-935-6597</td>
<td>Lubricating oil, semi-fluid</td>
<td>BT</td>
<td>A/R</td>
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<td>24</td>
<td>TBD</td>
<td>Drum, ammunition, 100 round</td>
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<td>25</td>
<td>TBD</td>
<td>Belt, ammunition, 50 round</td>
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<td>26</td>
<td>TBD</td>
<td>Sling, RPD</td>
<td>EA</td>
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<td>27</td>
<td>TBD</td>
<td>Rod, cleaning, RPD</td>
<td>EA</td>
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<tr>
<td>28</td>
<td>TBD</td>
<td>Kit, tool, RPD</td>
<td>KT</td>
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<tr>
<td>29</td>
<td>TBD</td>
<td>Case</td>
<td>EA</td>
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<td></td>
</tr>
<tr>
<td>30</td>
<td>TBD</td>
<td>Tool, combination</td>
<td>EA</td>
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**RPD TOOL KIT CONSISTS OF:**

<table>
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<th>National Stock Number</th>
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<th>Unit of Measure</th>
<th>Qty Used in Unit</th>
<th>Month</th>
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<tbody>
<tr>
<td>29</td>
<td>TBD</td>
<td>Case</td>
<td>EA</td>
<td>1</td>
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<tr>
<td>30</td>
<td>TBD</td>
<td>Tool, combination</td>
<td>EA</td>
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### INVENTORY SHEET

Table 1. Inventory Sheet - Continued.

<table>
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<th>Unit of Measure</th>
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<td>Qty Used in Unit</td>
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<tr>
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<td></td>
<td>Month</td>
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<td></td>
<td></td>
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<td>J</td>
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<tr>
<td>31</td>
<td>TBD</td>
<td>Extractor</td>
<td>EA</td>
</tr>
<tr>
<td>32</td>
<td>TBD</td>
<td>Spring, sear</td>
<td>EA</td>
</tr>
<tr>
<td>33</td>
<td>TBD</td>
<td>Holder, patch</td>
<td>EA</td>
</tr>
<tr>
<td>34</td>
<td>TBD</td>
<td>Punch, small</td>
<td>EA</td>
</tr>
<tr>
<td>35</td>
<td>TBD</td>
<td>Punch, large</td>
<td>EA</td>
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<tr>
<td>36</td>
<td>TBD</td>
<td>Tool, Removal,</td>
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<td>Ruptured Casing</td>
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**END OF RPD TOOL KIT**

**END OF WORK PACKAGE**
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<td>0018 00-1</td>
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<td>Weapon Cleaning ....................................................................................</td>
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<td>Weapon Maintenance (Field Stripping) ....................................................</td>
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