

prime mechanical fuel pump

prime mechanical fuel pump is a critical component in many internal combustion engines, designed to efficiently supply fuel from the tank to the carburetor or fuel injection system. Understanding the function, design, and maintenance of a prime mechanical fuel pump is essential for automotive professionals and enthusiasts alike. This article will explore the operational principles, types, advantages, and common issues associated with mechanical fuel pumps. Additionally, it will cover installation tips and maintenance strategies to ensure optimal performance and longevity. Emphasizing the importance of reliable fuel delivery, this comprehensive guide serves as a valuable resource for those looking to understand or troubleshoot prime mechanical fuel pumps. The following sections will provide detailed insights into the various aspects of mechanical fuel pumps, helping readers make informed decisions regarding their use and upkeep.

- Overview of Prime Mechanical Fuel Pumps
- Types and Design of Mechanical Fuel Pumps
- Operation Principles of Mechanical Fuel Pumps
- Advantages of Using Prime Mechanical Fuel Pumps
- Common Problems and Troubleshooting
- Installation and Maintenance Tips

Overview of Prime Mechanical Fuel Pumps

The prime mechanical fuel pump is a device that plays a vital role in the fuel delivery system of many gasoline engines, particularly older or classic vehicles. Unlike electric fuel pumps, mechanical fuel pumps are driven directly by the engine's camshaft or crankshaft. This mechanical connection ensures that fuel is pumped in synchronization with the engine's operation, providing a consistent and reliable flow. Mechanical fuel pumps are typically mounted on the engine block and use diaphragms or pistons to create the necessary pressure to move fuel from the fuel tank to the carburetor or fuel injection system.

Importance in Engine Performance

Fuel pumps are essential for maintaining the correct fuel pressure required for efficient combustion. The prime mechanical fuel pump ensures that the engine receives a steady supply of fuel, preventing lean conditions that could lead to performance issues or engine damage. Proper fuel delivery aids in smooth acceleration, optimal power output, and reduced emissions.

Applications and Compatibility

Prime mechanical fuel pumps are commonly found in older vehicles with carbureted engines, industrial machinery, and some small engines used in agriculture or construction. While modern vehicles often employ electric fuel pumps, mechanical pumps remain relevant for specific applications due to their simplicity and reliability.

Types and Design of Mechanical Fuel Pumps

Mechanical fuel pumps come in several types, each designed to meet particular engine requirements. The most common forms include diaphragm pumps and plunger or piston pumps. These designs influence the pump's efficiency, pressure output, and durability.

Diaphragm Mechanical Fuel Pumps

Diaphragm pumps operate using a flexible diaphragm that moves up and down to create suction and pressure. The movement is typically driven by a lever connected to the engine camshaft. These pumps are favored for their simplicity and ability to handle varying fuel pressures without leaking.

Piston or Plunger Pumps

Piston or plunger type mechanical fuel pumps use a reciprocating piston to displace fuel. The piston is also actuated by a camshaft-driven lever. This design provides higher pressure capabilities, making it suitable for certain high-performance or diesel engine applications.

Material and Construction

Materials used in prime mechanical fuel pumps include aluminum, steel, and various polymers for diaphragms and seals. Robust construction ensures resistance to fuel corrosion and mechanical wear, which is critical for pump longevity under continuous operation.

Operation Principles of Mechanical Fuel Pumps

The functionality of a prime mechanical fuel pump relies on the mechanical motion derived from the engine's camshaft or crankshaft. The pump's internal mechanism converts rotational motion into reciprocating motion, which then moves fuel through the system.

Camshaft-Driven Actuation

The camshaft features a lobe that pushes a lever arm connected to the pump's diaphragm or piston. As the cam rotates, the lever moves the diaphragm downward, creating a vacuum that draws fuel from the tank through an inlet valve. When the cam lobe passes, the lever returns, pushing the diaphragm upward and forcing fuel through the outlet valve to the carburetor or fuel injection system.

Fuel Flow and Pressure Regulation

Fuel flow is regulated by the pump's internal valves, which ensure unidirectional fuel movement. The pressure generated depends on engine speed and the pump's design specifications. Most prime mechanical fuel pumps produce pressures ranging from 3 to 7 psi, adequate for carbureted engines but insufficient for high-pressure fuel injection systems.

Advantages of Using Prime Mechanical Fuel Pumps

Prime mechanical fuel pumps offer several benefits that make them suitable for various engine types and applications, especially in contexts where simplicity and reliability are paramount.

- **Mechanical Simplicity:** These pumps have fewer electrical components, reducing the chances of electrical failure.
- **Reliability:** Driven directly by the engine, they provide consistent fuel delivery as long as the engine is running.
- **Cost-Effectiveness:** Mechanical pumps are generally less expensive to manufacture and maintain compared to electric pumps.
- **Ease of Maintenance:** Their straightforward design allows for simpler inspection, repair, and replacement.
- **Compatibility with Carbureted Engines:** Mechanical pumps deliver the appropriate low fuel pressure needed for carburetors, preventing fuel flooding or starvation.

Limitations Compared to Electric Pumps

Despite their advantages, prime mechanical fuel pumps have limitations, including restricted fuel pressure capacity and dependence on engine operation for fuel delivery. They are less suitable for modern fuel injection systems that require higher pressures and continuous fuel supply even when

the engine is off.

Common Problems and Troubleshooting

Like all mechanical components, prime mechanical fuel pumps can suffer from wear and failure, affecting engine performance. Recognizing common issues and troubleshooting them promptly helps maintain reliable fuel delivery.

Symptoms of Fuel Pump Failure

Signs of mechanical fuel pump problems include engine stalling, difficulty starting, poor acceleration, and fuel leaks near the pump. Unusual noises such as whining or clicking can also indicate impending failure.

Typical Causes of Malfunction

- **Diaphragm Rupture:** Over time, the diaphragm may develop cracks or holes, causing loss of suction.
- **Valve Wear:** Inlet or outlet valves may become stuck or ineffective, disrupting fuel flow.
- **Lever or Camshaft Issues:** Mechanical wear or misalignment can impair the pump's actuation.
- **Fuel Contamination:** Dirt or debris can clog valves and passages, reducing pump efficiency.

Troubleshooting Steps

Diagnosing a faulty prime mechanical fuel pump involves:

1. Checking fuel pressure with a gauge to confirm inadequate output.
2. Inspecting for visible fuel leaks around the pump body and connections.
3. Listening for abnormal pump noises during engine operation.
4. Testing diaphragm integrity by removing the pump and visually examining the diaphragm and valves.

Installation and Maintenance Tips

Proper installation and routine maintenance are crucial for the optimal performance and longevity of prime mechanical fuel pumps. Attention to detail during these processes ensures reliable operation and prevents premature failure.

Installation Guidelines

When installing a mechanical fuel pump, the following practices are recommended:

- Ensure the pump model matches the engine specifications and fuel type.
- Clean all mounting surfaces and fuel lines to prevent contamination.
- Use appropriate gaskets and seals to avoid fuel leaks.
- Securely mount the pump to avoid vibration-induced damage.
- Prime the pump by manually actuating it or by cranking the engine before starting.

Routine Maintenance Practices

Maintaining a prime mechanical fuel pump involves regular checks and preventive care, including:

- Inspecting for leaks and tightening connections as needed.
- Replacing worn diaphragms, valves, and seals promptly.
- Cleaning fuel filters regularly to prevent clogging.
- Checking the actuation lever and camshaft for wear or damage.
- Monitoring fuel pressure periodically to detect early signs of pump degradation.

Frequently Asked Questions

What is a prime mechanical fuel pump?

A prime mechanical fuel pump is a type of fuel pump that uses mechanical energy from the engine, typically via a camshaft or crankshaft, to draw fuel from the tank and deliver it to the carburetor or fuel injection system.

How does a mechanical fuel pump prime the fuel system?

A mechanical fuel pump primes the fuel system by creating suction through its diaphragm or piston mechanism, which pulls fuel from the tank and pushes it toward the engine, effectively removing air from the fuel lines and ensuring continuous fuel flow.

What are common signs that a mechanical fuel pump needs priming or replacement?

Common signs include engine sputtering, difficulty starting, loss of power under load, fuel leaks near the pump, or unusual noises coming from the fuel pump area, indicating that the pump may not be priming the fuel system properly or is failing.

Can a mechanical fuel pump be manually primed?

In most cases, mechanical fuel pumps prime automatically when the engine is cranked, but some vehicles may allow manual priming by using a primer bulb or by cycling the ignition to activate an electric auxiliary pump to build pressure before starting.

What maintenance tips help ensure a mechanical fuel pump functions properly?

Regularly checking for fuel leaks, replacing fuel filters, ensuring proper tension of the pump drive mechanism, and inspecting the pump diaphragm and valves for wear can help maintain optimal performance of a mechanical fuel pump.

How does a mechanical fuel pump differ from an electric fuel pump in priming the fuel system?

A mechanical fuel pump relies on engine motion to operate and prime the fuel system as the engine turns, whereas an electric fuel pump uses electrical power to pressurize fuel at all times, allowing easier priming before engine start and more consistent fuel delivery.

Additional Resources

1. *Understanding Prime Mechanical Fuel Pumps: Fundamentals and Applications*

This book offers a comprehensive introduction to prime mechanical fuel pumps, detailing their design principles and operational mechanisms. It covers various types of mechanical fuel pumps

used in automotive and industrial engines, emphasizing their role in fuel delivery systems. Readers will find practical insights into troubleshooting and maintenance techniques to ensure optimal pump performance.

2. Mechanical Fuel Pumps: Design, Testing, and Performance Optimization

Focusing on the engineering aspects, this book delves into the design considerations and testing procedures for mechanical fuel pumps. It discusses materials selection, durability testing, and ways to optimize pump efficiency under different operating conditions. Engineers and students will benefit from case studies and experimental data included throughout the text.

3. Automotive Fuel Systems: The Role of Prime Mechanical Fuel Pumps

This title explores the integration of prime mechanical fuel pumps within modern automotive fuel systems. It explains how these pumps function alongside carburetors and fuel injection systems to deliver accurate fuel flow. The book also covers common issues faced by automotive fuel pumps and methods to enhance reliability and fuel economy.

4. Troubleshooting and Repair of Mechanical Fuel Pumps

A practical guide aimed at mechanics and technicians, this book provides step-by-step procedures for diagnosing and repairing mechanical fuel pumps. It includes detailed illustrations and tips for identifying wear, leaks, and performance problems. The text also highlights preventative maintenance practices to extend pump lifespan.

5. Prime Mechanical Fuel Pumps in Industrial Engines: Operation and Maintenance

This book examines the application of prime mechanical fuel pumps in heavy-duty and industrial engine environments. It discusses operational challenges such as high pressure and temperature conditions and offers maintenance strategies to minimize downtime. Industry professionals will find valuable information on pump selection and system compatibility.

6. Advances in Mechanical Fuel Pump Technology

Covering recent innovations, this book reviews the latest developments in mechanical fuel pump design and materials. Topics include improvements in pump sealing, efficiency enhancements, and integration with electronic control systems. The book is ideal for researchers and designers focused on next-generation fuel delivery solutions.

7. Fuel Pump Dynamics: Fluid Mechanics of Prime Mechanical Fuel Pumps

This specialized text focuses on the fluid dynamics principles underlying mechanical fuel pump operation. It presents mathematical models and simulations to analyze fuel flow, pressure variations, and cavitation effects. Engineers interested in pump performance optimization and system integration will find this resource invaluable.

8. Classic Engines and Their Prime Mechanical Fuel Pumps

Exploring historical and vintage engines, this book highlights the role of prime mechanical fuel pumps in early automotive and machinery applications. It includes detailed descriptions of pump designs from different eras and their impact on engine development. Restoration enthusiasts and historians will appreciate the technical and contextual insights provided.

9. Energy Efficiency and Environmental Impact of Mechanical Fuel Pumps

This book addresses the environmental considerations associated with mechanical fuel pumps, focusing on energy consumption and emissions. It discusses how pump design influences fuel efficiency and contributes to reducing the carbon footprint of combustion engines. The text also explores regulatory standards and future trends in environmentally friendly fuel pump technology.

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prime mechanical fuel pump: Mechanical Prime Movers Peter C. Bell, 1971

prime mechanical fuel pump: Aircraft Engines United States. Bureau of Naval Personnel, 1945

prime mechanical fuel pump: An Introduction to Engineering Application of Prime Movers for Auxiliary Power Systems J. Paul Guyer, P.E., R.A., 2021-09-05 Introductory technical guidance for mechanical engineers and electrical engineers interested in prime movers for auxiliary electric power generating systems. Here is what is discussed: 1. MECHANICAL ENERGY 2. DIESEL ENGINES 3. TYPES OF DIESEL ENGINES 4. DIESEL FUEL SYSTEM 5. DIESEL COOLING SYSTEM 6. LUBRICATION SYSTEM 7. STARTING SYSTEM 8. GOVERNOR/SPEED CONTROL 9. AIR INTAKE SYSTEM 10. EXHAUST SYSTEM 11. SERVICE PRACTICES 12. OPERATIONAL TRENDS AND ENGINE OVERHAUL 13. GAS TURBINE ENGINES 14. GAS TURBINE ENGINE CLASSIFICATIONS 15. PRINCIPLES OF OPERATION 16. GAS TURBINE FUEL SYSTEM 17. GAS TURBINE COOLING SYSTEM 18. LUBRICATION SYSTEM 19. STARTING SYSTEM 20. GOVERNOR/SPEED CONTROL 21. COMPRESSOR 22. GAS TURBINE SERVICE PRACTICES

prime mechanical fuel pump: An Introduction to Prime Movers for Auxiliary Power Systems J. Paul Guyer, P.E., R.A., 2018-01-22 Introductory technical guidance for electrical and mechanical engineers interested in auxiliary electric power systems. Here is what is discussed: 1. MECHANICAL ENERGY 2. DIESEL ENGINES 3. TYPES OF DIESEL ENGINES 4. DIESEL FUEL SYSTEM 5. DIESEL COOLING SYSTEM 6. LUBRICATION SYSTEM 7. STARTING SYSTEM 8. GOVERNOR/SPEED CONTROL 9. AIR INTAKE SYSTEM 10. EXHAUST SYSTEM 11. SERVICE PRACTICES 12. OPERATIONAL TRENDS AND ENGINE OVERHAUL 13. GAS TURBINE ENGINES 14. GAS TURBINE ENGINE CLASSIFICATIONS 15. PRINCIPLES OF OPERATION 16. GAS TURBINE FUEL SYSTEM 17. GAS TURBINE COOLING SYSTEM 18. LUBRICATION SYSTEM 19. STARTING SYSTEM 20. GOVERNOR/SPEED CONTROL 21. COMPRESSOR 22. GAS TURBINE SERVICE PRACTICES.

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prime mechanical fuel pump: Corvette Performance Projects 1968-1982 Tom Benford, Of the five generations of Corvettes, the C3 or shark models are among the most popular with do-it-yourselfers. Produced from 1968 all the way up to 1982, most C3 Corvettes haven't reached the collector status (and inflated prices) of earlier models. Far from being the black sheep of the

Corvette family though, these attractive cars are plentiful (500,000+ were built) and affordable enough that they can be purchased, maintained, and enjoyed by a large spectrum of car lovers. The vast majority are powered by the popular 350ci small block-perhaps the most modified and successful performance engine ever.

prime mechanical fuel pump: The Michigan Technic , 1952

prime mechanical fuel pump: Heat Transfer Equipment Design R. K. Shah, Eleswarapu Chinna Subbarao, R. A. Mashelkar, 1988-07-01

prime mechanical fuel pump: Classic Car Restorer's Handbook Jim Richardson, 1994 Covers rebuilding engines and carburetors, replacing upholstery, repairing fuel tanks, cleaning chrome, and restoring license plates

prime mechanical fuel pump: Performance Fuel Injection Systems HP1557 Matt Cramer, Jerry Hoffmann, 2010-08-03 A practical guide to modifying and tuning modern electronic fuel injection (EFI) systems, including engine control units (ECUs). The book starts out with plenty of foundational topics on wiring, fuel systems, sensors, different types of ignition systems, and other topics to help ensure the reader understands how EFI Systems work. Next the book builds on that foundation, helping the reader to understand the different options available: Re-tuning factory ECUs, add on piggyback computers, or all out standalone engine management systems. Next Matt and Jerry help the reader to understand how to configure a Standalone EMS, get the engine started, prep for tuning, and tune the engine for maximum power and drivability. Also covered is advice on tuning other functions-- acceleration enrichments, closed loop fuel correction, and more. Finally, the book ends with a number of case studies highlighting different vehicles and the EMS solutions that were chosen for each, helping to bring it all together with a heavy emphasis on how you can practically approach your projects and make them successful!

prime mechanical fuel pump: Selling to Navy Prime Contractors United States. Naval Material Command, 1976

prime mechanical fuel pump: Chevrolet Inline-6 Engine 1929-1962 Deve Krehbiel, 2018-11-15 Chevrolet's inline 6-cylinder, affectionately known as the "Stovebolt," was produced and applied to Chevrolet-powered automobiles from 1929 through 1962. Its effectiveness and simplicity greatly contributed to the lengthy duration of its life span, with the engine still being created in some capacity into 2009. <p>Deve Krehbiel of devestech.net has taken his decades of knowledge on the inline-6 and created the ultimate resource on rebuilding the Stovebolt Chevrolet powerplant. Using color photography with step-by-step sequencing, Deve takes you through the disassembly, rebuild, and reassembly of these engines, including rebuilding the carburetor, distributor, and intake/exhaust systems. Tech Tips highlight areas that can be overlooked, such as proper cleaning and determining if a part is reusable, and an appendix provides information on decoding casting numbers. With millions of Chevrolets built with an inline-6 engine, there's no shortage of candidates for a rebuild. With Chevrolet Inline-6 Engine: How to Rebuild, you will now have the perfect complementary tool to walk you through the entire engine-rebuilding process. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Arial}

prime mechanical fuel pump: Intermediate Direct Support and Intermediate General Support Maintenance Manual , 1987

prime mechanical fuel pump: Selling to Navy Prime Contractors United States. Navy Dept, 1961

prime mechanical fuel pump: Manuals Combined: 150+ U.S. Army Navy Air Force Marine Corps Generator Engine MEP APU Operator, Repair And Parts Manuals , Over 36,000 total pages Just a SAMPLE of the CONTENTS by File Number and TM Number:: 013511 TM 5-6115-323-24P 4 GENERATOR SET, GASOLINE ENGINE DRIVEN, SKID MOUNTED, TUBULAR FRAME, 1.5 K SINGLE PHASE, AC, 120/240 V, 28 VDC (LESS ENGINE) DOD MODELS MEP-015A, 60 HZ (NSN 6115-00-889-1446) AND (DOD MODEL MEP-025A) 28 VDC (6115-00-017-8236) {TO 35C2-3-385-4; SL 4-07609A/07610A} 013519 TM 5-6115-329-25P 1 GENERATOR SET, GASOLINE ENGINE DR (LESS ENGINE) 0.5 KW, AC, 120/240 V, 60 HZ, 1 PHASE (DOD MODEL (FSN 6115-923-4469); 400

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PHASE, 2 WIRE, 1 PHASE, 3 WIRE, 3 PHASE, 4 WIRE, 120, 120/240 AND 120/208 VOLTS (DOD MODEL MEP-003A), UT CLASS, 60 HZ (NSN 6115-00-465-1030) {NAVFAC P-8-623-12; TO 35C2-3-455-2; TM-05684C/05685B-34} 034072 TM 5-6115-585-24P 5 GENERATOR SET, DIESEL ENGINE DRIVEN, TA SKID MTD, 10 KW, 1 PHASE, 2 WIRE; 1 PHASE, 3 WIRE; 3 PHASE, 4 W 120, 120/240 AND 120/208 V (DOD MODELS 003A), UTILITY CLASS, 60 (NSN 6115-00-465-1030) AND (MODEL MEP-112A), UTILITY CLASS, 400 (6115-00-465-1027) {NAVFAC P-8-623-24P; TO 35C2-3-455-4; SL-4-05684C/06585B} 040180 TM 5-6115-584-12-HR HAND RECEIPT MANUAL COVERING END ITEM/COMPONENTS OF END ITEM (C BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 5 KW, 1 WIRE; 1 PH, 3 WIRE; 3 PH, 4 WIRE, 120, 120/240 AND 120/208 V (D MEP-002A) UTILITY CLASS, 60 HZ (NSN 6115-00-465-1044) 040833 TM 5-6115-458-12-HR HAND RECEIPT MANUAL COVERING THE END ITEM/COMPONENTS OF END ITE BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AA GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL, SKID MOUNTED, 20 3 PHASE, 4 WIRE, 120/208 AND 240/416 V (DOD MODEL MEP-009A), UT CLASS, 50/60 HZ (NSN 6115-00-133-9104) AND (DOD MODEL MEP-108A) PRECISE CLASS, 50/60 HZ (6115-00-935-8729) 040843 TM 5-6115-593-34 GENERATOR SET, DIESEL ENGINE DRIVEN, TAC SKID MTD, 500 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS DOD MODEL, MEP-029A, CLASS UTILITY, 50/60 HZ, (NSN 6115-01-030- DOD MODEL, MEP-029B, CLASS UTILITY, 50/60 HZ, (6115-01-318-6302 INCLUDING OPTIONAL KITS DOD MODEL, MEP-029AHK, HOUSING KIT, (6115-01-070-7550), DOD MODEL, MEP-029ACM, AUTOMATIC CONTROL MO (6115-01-275-7912) DOD MODEL, MEP-029ARC, REMOTE CONTROL MODULE (6110-01-070-7553) DOD MODEL, MEP-029ACC, REMOTE CONTROL CABLE, (6110-01-087-4127) {NAVFAC P-8 041070 TM 5-6115-593-12 GENERATOR SET, ENGINE DRIVEN, TACTICAL SKID MTD, 500 KW, 3 PHASE, 4 WIRE; 120/ 240/416 VOLTS DOD MODEL MEP-029A; CLASS UTILITY, HERTZ 50/60; (NSN 6115-01-030-6085); MEP-029B; UTILITY; 50/60; (6115-01-318- INCLUDING OPTIONAL KTS DOD MODELS MEP-029AHK; NOMENCLATURE HOUS (6115-01-070-7550) MEP-029ACM; AUTOMATIC CONTROL MODULE; (6115-01-275-7912); MEP-029ARC, REMOTE CONTROL MODULE, (6110-01-070-7553); MEP-029ACC, REMOTE CONTROL CABLE (6110-01-087-4127) {TO 35C2-3-463-1} 041338 LO 55-1730-229-12 POWER UNIT, AVIATION, MULTI-OUTPUT GTED ELECTRICAL, HYDRAULIC, PNEUMATIC (AGPU), WHEEL MOUNTED, SELF-PROPELLED, TOWABLE DOD MODEL-MEP-360A, CLASS-PRECISE, HERTZ-400, (NSN 1730-01-144-1897 042791 TM 5-6115-457-12-HR HAND RECEIPT MANUAL COVERING THE BASIC ISSUE ITEMS (BII) FOR GE SET, DIESEL ENGINE DRIVEN, TACTICAL, SKID MTD; 100 KW, 3 PHASE, 120/208 AND 240/416 V (DOD MODELS MEP007A), UTILITY CLASS, 50/6 (NSN 6115-00-133-9101), (MODEL MEP-106A), PRECISE CLASS, 50/60 (6115-00-133-9102) AND (MODEL MEP116A) PRECISE CLASS, 400 HZ (6115-00-133-9103) 043437 TM 5-6115-593-24P 1 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MOUNTED, 500 KW, 3 PHA 4 WIRE; 120/208 AND 240/416 VOLTS DOD MODEL MEP-029A UTILITY CL 50/60 HZ (NSN 6115-01-030-6085) MEP-029B UTILITY CLASS, 50/60 (6115-01-318-6302) INCLUDING OPTIONAL KITS DOD MODEL MEP-029AHK HOUSING KIT (6115-01-070-7550) MEP-029ACM AUTOMATIC CONTROL MOD (6115-01-275-7912) MEP-029ARC REMOTE CONTROL MODULE (6110-01-070-7553) MEP-029ACC REMOTE CONTROL CABLE (6110-01-087 {NAVFAC P-8-631-24P; TO 35C2-3-463-4} 044703 TM 5-6115-545-12-HR HAND RECEIPT MANUAL COVERING COMPONENTS OF END ITEM (COEI), BAS ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL) FOR GENERA DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 60 KW, 3 PHASE, 4 WIRE 120/208 AND 240/416 V (DOD MODELS MEP-006A) UTILITY CLASS, 50/6 (NSN 6115-00-118-1243), (MODEL MEP-105A) PRECISE CLASS, 50/60 H (6115-00-118-1252) AND (MODEL MEP-115A) PRECISE CLASS, 400 HZ (6115-00-118-1253) 050998 TM 5-6115-600-12 8 GENERATOR DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 100 KW, 3 PHASE, 4 WIR 120/208 AND 240/416 V (DOD MODEL MEP-007B) CLASS UTILITY, 50/60 (NSN 6115-01-036-6374) INCLUDING OPTIONAL KITS, DOD MODEL MEP00 WINTERIZATION KIT, FUEL BURNING AND MEP007BWE WINTERIZATION

KIT ELECTRIC 051007 TM 5-6115-600-24P 4 GENERATOR SET, DIESEL ENGINE DRIVEN, 100 KW, 3 PHASE, 4 WIRE, 120/208 AND VOLTS (DOD MODEL MEP-007B), UTILITY CLASS, 50/60 HZ (NSN 6115-01-036-6374) INCLUDING OPTIONAL KITS, DOD MODEL MEP007BWF, WINTERIZATION KIT, FUEL BURNING AND MEP007BWE WINTERIZATION KIT, ELECTRIC {TO 35C2-3-442-14; NAVFAC P-8-628-24P; SL-4-07464B} 057268 LO 5-6115-600-12 GENERATOR SET, DIESEL ENGINE DRIVEN; TACTICAL, SKID MTD, 100 KW PHASE, 4 WIRE; 120/208 AND 240/416 V (DOD MODEL MEP007B), CLASS UTILITY, 50/60 HZ (NSN 6115-01-036-6374) 057513 LO 5-6115-604-12 GENERATOR SET, DIESEL ENGINE DRIVEN, AIR TRANSPORTABLE; SKID MT 750 KW, 3 PHASE, 4 WIRE; 2400/4160 AND 2200/3800 VOLTS (DOD MOD MEP208A) CLASS PRIME UTILITY, HZ 50/60 (NSN 6115-00-450-5881) {LI 6115-12/9} 060183 TM 5-6115-612-24P 6 GENERATOR SET, AVIATION, GAS TURBINE ENGINE DRIVEN, INTEGRA TRAILER MOUNTED, 10KW, 28 VOLTS MODEL MEP-362A, PRECISE, DC (NSN 6115-01-161-3992) {TM 6115-24P/1; AG-320B0-IPE-000; TO 35C2-3-471-4} 060188 TM 5-6115-612-34 4 GENERATOR SET, AVIATION, GAS TURBINE ENG DRIVEN, INTEGRAL TRAILER MOUNTED 10KW 28 VOLTS DOD MODEL MEP 36 PRECISE, DC, (NSN 6115-01-161-3992) {AG-320BO-MME-000; TM 6115- TO 35C2-3-471-2} 060645 LO 5-6115-612-12 AVIATION GENERATOR SET, GAS TURBINE, ENGINE DRIVEN, INTEGRAL TR MOUNTED, 10KW, 28 VOLTS DC DOD MODEL MEP 362A CLASS PRECISE (NSN 6115-01-161-3992) 060921 TM 55-1730-229-34 5 POWER UNIT, AVIATION, MULTI-OUTPUT GTED, ELECTRICAL, HYDRAULIC, PNEUMATIC (AGPU) WHEEL MOUNTED, SELF-PROPELLED, TOWA AC 400HZ, 3PH, 0.8 PF, 115/200V, 30 KW, DC 28VDC 700 AMPS, PNEUMATIC, 60 LBS/MIN. AT 40 PSIG, HYDRAULIC, 15 GPM AT 3300 PS DOD MODEL MEP-360A, CLASS PRECISE, 400 HERTZ, (NSN 1730-01-144- {AG 320A0-MME-000; TO 35C2-3-473-2; TM 1730-34/1} 060922 TM 55-1730-229-12 8 POWER UNIT, AVIATION, MULTI-OUTPUT GTED ELECTRICAL, HYDRAULIC, PNEUMATIC (AGPU) WHEEL MOUNTED, SELF-PROPELLED, TOWABLE, AC 400HZ, 3PH, 0.8 PF, 115/200V, 30 KW, DC 28 VDC 700 AMPS, PNEUMATIC 60 LBS/M AT 40 PSIG, HYDRAULIC 15 GPM AT 3300 PSIG, DOD MODEL MEP-360A, CLASS PRECISE, HERTZ 400, (NSN 1730-01-144-1897) {AG 320A0-OMM-000; TO 35C2-3-473-1; TM 1730-12/1} 061758 LO 5-6115-614-12 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD. 200 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS MODEL MEP009B, UTILI 50/60 HERTZ, (NSN 6115-01-021-4096) 061772 LO 5-6115-622-12 GENERATOR SET, DIESEL ENGINE-DRIVEN, WHEEL MOUNTED 750-KW, 3-PH 4-WIRE, 2200/3800 AND 2400/4160 VOLTS CUMMINS ENGINE COMPANY IN MODEL KTA-2300G-2 DOD MODEL MEP-012A; CLASS UTILITY; HERTZ 062762 LO 5-6115-615-12 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MOUNTED, 3 K MODEL 016B; CLASS UTILITY MODE 50/60 HZ (NSN 6115-01-150-4140); DOD MODEL MEP-021B; CLASS UTILITY; MODE 400 HZ (6115-01-151-812 DOD MODEL MEP-026B; CLASS UTILITY; MODE 28 VDC (6115-01-150-036 {LI 05926B/06509B-12/5; P-8-646-LO} 064310 TM 5-6115-626-14&P 2 POWER UNIT PU-406B/M (NSN 6115-00-394-9576) MEP-005A 30 KW 60 HZ GENERATOR SET M200A1 2-WHEEL4-TIRE, MODIFIED TRAILER 064390 TM 5-6115-632-14&P 5 POWER UNIT PU-753/M (NSN 6115-00-033-1 MEP-003A 10 KW 60 HZ GENERATOR SET M116A2 2-WHEEL, 2-TIRE, MODI TRAILER 064392 TM 5-6115-629-14&P 3 POWER PLANT AN/AMJQ-12A (NSN 6115-00-257-1602) (2) MEP-006A 60HZ, GENERATOR SETS (2) M200A1 2-WHEEL, 4-TIRE, MODIFIED TRAIL 064443 TM 5-6115-625-14&P 2 POWER UNIT PU-405A/M (NSN 6115-00-394-9577) MEP-004A 15 KW 60 HZ GENERATOR SET M200A1 2-WHEEL, 4-TIRE, MODIFIED TRAILER (THIS ITEM IS INCLUDED ON EM 0086 & EM 0087) 064445 TM 5-6115-633-14&P 4 POWER PLANT AN/MJQ-18 (NSN 6115-00-033-1398) (2) MEP-003A 1 60 HZ GENERATOR SETS M103A3 2-WHEEL 1 1/2 TON MODIFIED TRAILER 064446 TM 5-6115-628-14&P 4 POWER PLANT AN/MJQ-15 (NSN 6115-00-400-7591) (2) MEP-113A 1 400 HZ GENERATOR SETS, (2) M200A1 2-WHEEL, 4-TIRE, MODIFIED TRA (THIS ITEM IS INCLUDED ON EM 0086) 064542 TM 5-6115-631-14&P 4 POWER PLANT AN/MJQ-16 (NSN 61 15-00-033-1395) (2) MEP-002A 5 KW 60 HZ GENERATOR SETS M103A3 2-WHEEL, 2-TIRE, MODIFIED TRAI 065071 TM 55-1730-229-24P 6 POWER AVIATION, MULTI-OUTPUT GTED ELECTRICAL, HYDAULIC,

PNEUMATIC (AG WHEEL MOUNTED, SELF-PROPELLED, TOWABLE AC 400 HZ, 3 PH, 0.8 PF, 115/200V, 30 KW DC 28 VDC 700 AMPS PNEUMATIC 60 LBS/MIN. AT 40 HYDRAULIC 15 GPM AT 3300 PSIG DOD MODEL MEP-360A, CLASS PRECISE 400 HERTZ (NSN 1730-01-144-1897) {TO 35C2-3-473-4; TM 1730-24P/ AG 320A0-IPB-000} 065603 TB 5-6115-593-24 WARRANTY PROGRAM FOR GENERATOR SET DOD MODEL MEP-029A HOUSING K DOD MODEL MEP-029AHK 066727 TM 5-6115-640-14&P 2 POWER AN/MJQ-32 (NSN 6115-01-280-2300) AN/MJQ-33 (6115-01-280-2301) (MEP-701A 3KW 60 HZ ACOUSTIC SUPPRESSION KIT GENERATOR SETS M116 2-WHEEL, 2-TIRE, 3/4-TON MODIFIED TRAILERS 066808 TM 5-6115-627-14&P 2 POWER PLANT AN/MJQ-10A (NSN 6115-00-394-9582); (2) MEP-005A 30 KW 60 HZ GEN SETS; (2) M200A1 2-WHEEL, 4 TIRE MODIFIED TRAILERS 066809 TM 5-6115-630-14&P 4 POWER UNIT, PU-751/M (NSN 6115-00-033-1373) MEP-002A, 5 KW, 60 HZ GENERATOR SET M116A1 2-WHEEL, 2-TIRE, MODIFIED TRAILER 066824 TM 5-6115-465-10-HR 1 HAND RECEIPT MANUAL COVERING END ITEM/COMPONENTS OF END ITEM (C BASIC ISSUE ITEMS, (BII) AND ADDITIONAL AUTHORIZATION LIST (AAL GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MOUNTED, 30K 4 WIRE, 120/208 AND 240/416 VOLTS - MEP-005A, UTILITY, 50/60 HE (NSN 6115-00-118-1240); MEP-104A, PRECISE, 50/60 HERTZ, (6115-00-118-1247): MEP-114A, PRECISE, 400 HERTZ, (6115-00-118- INCLUDING AUXILIARY EQUIPMENT MEP-005AWF WINTERIZATION KIT, FUE BURNING (6115-00-463-9083); MEP-005AWE, WINTERIZATION KIT, ELEC (6115-00 067310 TM 9-6115-650-14&P 1 POWER PLAN AN/MJQ-25 (NSN 6115-01-153-7742) (2) MEP-112A 10 KW 400 HZ GENE SETS M103A3 2-WHEEL, 2-TIRE, MODIFIED TRAILER 067311 TM 9-6115-653-14&P 2 POWER UNIT PU-732/M (NSN 6115-00-260-3082) MEP-113A 15 KW 400 HZ GENERATOR SET M200 2-WHEEL, 4-TIRE, MODIFIED TRAILER 067544 TM 9-6115-652-14&P 1 POWER UNIT PU-760/M (NSN 6115-00-394-9581) MEP-114A 30 KW 400 HZ GENERATOR M200A1 2-WHEEL, 4-TIRE, MODIFIED TRAILER 067632 TM 9-6115-648-14&P POWER UNIT PU-650B/G (NSN 6115-00-258-1622) MEP-006A 60 KW 60 HZ GENERATOR M200A1 2-WHEEL, 4-TIRE, MODIFIED TRAILER 067744 TM 9-6115-646-14&P 1 POWER UNIT PU-495A/G, (NSN 6115-00-394-9575) AND PU-495B/G, (6115-01-134-0 MEP-007A 100 KW, 60 HZ OR MEP-007B, 100 KW, 60 HZ GENERATOR SET M353-2-WHEEL, 2-TIRE MODIFIED TRAILER 067746 TM 9-6115-651-14&P POWER UNIT 707A/M (NSN 6115-00-394-9573) MEP-115A, 60 KW, 400 HZ GENERATOR M200A1, 2-WHEEL, 4-TIRE, MODIFIED TRAILER 067879 TM 9-6115-647-14&P 1 POWER UNIT PU-789/M (NSN 6115-01-208-9827) MEP-114A, 30 KW 400 HZ GENERATOR SET M353 2-WHEEL, 2-TIRE, MODIFIED TRAILER 069601 TM 9-6115-464-10-HR HAND RECEIPT MANUAL COVERING THE END ITEMS/COMPONENTS OF END IT (COEI), BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION L (AAL) FOR GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MO 15 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS DOD MODEL MEP UTILITY CLASS, 50/60 HERTZ (NSN 6115-00-118-1241) DOD MODEL MEP PRECISE CLASS, 50/60 HERTZ (6115-00-118-1245) DOD MODEL MEP-113 PRECISE CLASS, 400 HERTZ (6115-00-118-1244) 069602 LO 9-6115-464-12 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL, SKID MTD, 15KW, 4 WIRE, 120/208 AND 240/416 VOLTS (DOD MODEL MEP 004A) (NSN 6115-00-118-1241); (DOD MODEL MEP 104A) (6115-00-118-1245) (DOD MODEL MEP-113A) (6115-00-118-1244) 069954 TM 9-6115-465-24P 2 GENERATOR SET, DIESEL ENGINE DRIVE TACTICAL SKID MTD. 30KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 V MODELS; MEP-005A, UTILITY, 50/60 HZ, (NSN 6115-00-118-1240), MEP-104A PRECISE, 50/60 HZ, (6115-00-118-1247), MEP-114A, PRECISE, 400 H (6115-00-118-1248), INCLUDING OPTIONAL KITS, DOD MODELS; MEP-00 WINTERIZATION KIT, FUEL BURNING, (6115-00-463-9083), MEP-005-AW WINTERIZATION KIT, ELECTRIC, (6115-00-463-9085), MEP-002-ALM, L BANK KIT, (6115-00-463-9088), MEP-005-AWM, WHEEL MOUNTING KIT, (6115-00-463-9094) {TO-35C2-3-070096 TM 9-6115-464-24P 1 GENERATOR S DIESEL ENGINE DRIVEN, TACTICAL SKID MTD., 15KW, 3 PHASE, 4 WIRE 120/208 AND 240/416 VOLTS (DOD MODEL MEP-004A) UTILITY CLASS 50/60 HERTZ (NSN 6115-00-118-1241) (DOD MODEL MEP-103A) PRECISE CLASS 50/60 HERTZ (6115-00-118-1245) (DOD MODEL MEP-113A) PRECI CLASS 400 HERTZ (6115-00-118-1244)

INCLUDING OPTIONAL KITS (DOD MODEL MEP-005-AWF) WINTERIZATION KIT, FUEL BURNING (6115-00-463 (DOD MODEL MEP-005-AWE) WINTERIZATION KIT, ELECTRIC (6615-00-46 (DOD MODEL MEP-004-ALM) LOAD BANK KIT (6115-00-191-9201 071025 TM 9-6115-641-10 2 GENERATOR SET SKID MOUNTED, TACTICAL QUIET 5 KW, 60 AND 400 HZ MEP-802A (60 HZ) (NSN 6115-01-274-7387) MEP-812A (400 HZ) (6115-01-274-7391) {TO 35C2-3-456-11} 071026 TM 9-6115-642-10 2 GENERATOR SET SKID MOUNTED, TACTICAL QUIE 10 KW, 60 AND 400 HZ MEP-803A (60 HZ) (NSN 6115-01-275-5061) MEP-813A (400 HZ) (6115-01-274-7392) {TO 35C2-3-455-11; TM 09247A/09248A-10/1} 071028 TM 9-6115-643-10 3 GENERATOR SET, SKID MOUNTED, TACTICAL QUI 15 KW, 50/60 AND 400 HZ MEP-804A (50/60 HZ) (NSN 6115-01-274-73 MEP-814A (400 HZ) (6115-01-274-7393) {TO 35C2-3-445-21} 071029 TM 9-6115-644-10 2 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 30 KW, 50/60 AND 400 HZ MEP-805A (50/60 HZ), (NSN 6115-01-274-7389) MEP-815A (400 HZ), (6115-01-274-7394) {TO 35C2-3-446-11; TM 09249A/09246A-10/1} 071030 TM 9-6115-645-10 2 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 60 KW, 50/60 AND 400 HZ MEP-806A (50/60 HZ), (NSN 6115-01-274-7390) MEP-816A (400 HZ), (6115-01-274-7395) {TO 35C2-3-444-11; TM 09244A/09245A-10/1} 071031 LO 9-6115-641-12 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 5 KW, 60 AND 400 HZ MEP-802A TACTICAL QUIET 60 HZ (NSN 6115-01-274-7387) MEP-812A TACTICAL QUIET 400 HZ (6115-01-274-7391) 071032 LO 9-6115-642-12 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 10 KW, 60 AND 400 HZ MEP-803A TACTICAL QUIET 60 HZ (NSN 6115-01-275-5061) MEP-813A TACTICAL QUIET 400 HZ (6115-01-274-7392) 071033 LO 9-6115-643-12 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 15 KW, 50/60/400 HZ MEP-804A TACTICAL QUIET 50/60 HZ (NSN 6115-01-274-7388) MEP-814 TACTICAL QUIET 400 HZ (6115-01-274-7393) 071034 LO 9-6115-644-12 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 30 KW, 50/60 AND 40 MEP-805A TACTICAL QUIET 50/60 HZ (NSN 6115-01-274-7389) MEP-815 TACTICAL QUIET 400 HZ (6115-01-274-7394) {LI 09249A/09246A-12} 071035 LO 9-6115-645-12 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 60 KW, 50/60 AND 40 MEP-806A TACTICAL QUIET 50/60 HZ (NSN 6115-01-274-7390) MEP-816 TACTICAL QUIET 400 HZ (6115-01-274-7395) {LI 09244A/09245A-12} 071036 TB 9-6115-641-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 5 KW, 60 AND 400 HZ MEP-802A AND MEP-812A 071037 TB 9-6115-642-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 10 KW, 60 AND 400 HZ MEP-803A AND MEP-813A {SI 09247A/09248A-24} 071038 TB 9-6115-643-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 15 KW, 50/60 AND 400 HZ MEP-804A AND MEP-814A 071039 TB 9-6115-644-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 30 KW, 50/60 AND 400 HZ MEP-805A AND MEP-815A {SI 09249A/09246A-24} 071040 TB 9-6115-645-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 60 KW, 50/60 AND 400 HZ MEP-806A AND MEP-816A {SI 09244A/09245A-24} 071541 TM 9-6115-464-12 2 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 15 KW, 3 PHASE, 4 WIRE, 120/2 AND 240/416 VOLTS DOD MODEL MED-004A UTILITY CLASS 50/60 HERTZ (NSN 6115-00-118-1241) DOD MODEL MEP-103A PRECISE CLASS 50/60 HERTZ (6115-00-118-1245) DOD MODEL MEP-113A PRECISE CLASS 400 HERTZ (6115-00-118-1244) INCLUDING OPTIONAL KITS DOD MODEL MEP-005-AWF WINTERIZATION KIT, FUEL BURNING (6115-00-463-9083) DOD MODEL MEP-005-AWE WINTERIZATION KIT, ELECTRIC (6115-00-463-9085) DOD MODEL MEP-004-ALM LOAD BANK KIT (6115-00-291 071604 TM 9-6115-645-24P GENERATOR SET, TACTICAL QUIET 60KW, 50/60/400 HZ (NSN 6115-01-274-7390) (MEP-806A) (6115-01-274-7395) (MEP-816A) {TO 35C2-3-444-14; TM 09244A/09245A-24P/3} 071605 TM 9-6115-642-24P GENERATOR SET, TACTICAL QUIET 10 KW, 60/400 HZ (NSN 6115-01-275-5061) (MEP-803A) (6115-01-274-7392) (MEP-813A) {TO 35C2-3-455-14; TM 09247A/09248A-24P/3} 071610 TM 9-6115-643-24P GENERATOR SET, TACTICAL QUIET 15KW, 50/60 - 400 HZ (NSN 6115-01-274-7388) (MEP-804A) (6115-01-274-7393) (MEP-814A) {TO 35C2-3-445-24} 071611 TM 9-6115-644-24P GENERATOR SET, TACTICAL QUIET 30KW, 50/60-400 HZ (NSN 6115-01-274-7389) (MEP-805A) (6115-01-274-7394) (MEP-815A) {TO 35C2-3-446-14; TM 09249A/09246A-24P/3} 071613 TM 9-6115-641-24P GENERATOR SET,

TACTICAL QUIET 5 KW, 60/400 HZ (NSN 6115-01-274-7387) (MEP-802A) (6115-01-274-7391)
(MEP-812A) {TO 35C2-3-456-14} 071713 TM 9-6115-645-24 4 GENERATOR SET, SKID MOUNTED,
TACTICAL QUIET 60KW, 50/60 AND 400 HZ MEP-806A (50/60 HZ) (NSN 6115-01-274-7390)
MEP-816A (400 HZ) (6115-01-274-7395) {TO 35C2-3-444-12; TM 09244A/09245A-24/2} 071748 TM
9-6115-644-24 1 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 30 KW, 50/60 AND 400 HZ
MEP-805A (50/60 HZ) (NSN 6115-01-274-7389) MEP-815A (400 HZ) (6115-01-274-7394) {TO
35C2-3-446-12; TM 09249A/09246A-24/2} 071749 TM 9-6115-643-24 4 GENERATOR SET, SKID
MOUNTED, TACTICAL QUIET 15 KW, 50/60 AND 400 HZ MEP-804A (50/60 HZ) (NSN
6115-01-274-7388) MEP-814A (400 HZ) (6115-01-274-7393) {TO 35C2-3-445-22} 071750 TM
9-6115-642-24 4 GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 10 KW, 60 AND 400 HZ
MEP-803A (60 HZ) (NSN 6115-01-275-5061) MEP-813A (400 HZ) (6115-01-274-7392) {TO
35C2-3-455-12; TM 09247A/09248A-24/2} 071751 TM 9-6115-641-24 3 GENERATOR SET, SKID
MOUNTED, TACTICAL QUIET 5 KW, 60 AND 400 HZ MEP-802A (60 HZ) (NSN 6115-01-274-7387)
MEP-812A (400 HZ) (6115-01-274-7391) {TO 35C2-3-456-12} 072239 TM 9-6115-464-34 1
GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD., 15 KW, 3 PHASE, 4 WIRE
120/208 AND 240/416 VOLTS DOD MODEL MEP-004A UTILITY CLASS 50/60 HERTZ (NSN
6115-00-118-1241) DOD MODEL MEP 103A PRECISE CLASS 50/60 HERTZ (6115-00-118-1245)
DOD MODEL MEP-113A PRECISE CLASS 400 HERTZ (6115-00-118-1244) INCLUDING OPTIONAL
KITS DOD MODEL MEP-005AWF WINTERIZATION KIT, FUEL BURNING (6115-00-463-9083) DOD
MODEL MEP-005AWE WINTERIZAT KIT, ELECTRIC (6115-00-463-9085) DOD MODEL
MEP-004ALM LOAD BANK KIT (6115-00-291-920 073744 TM 9-6115-604-24P 1 GENERATOR SET,
DIESEL ENGINE DRIVEN, AIR TRANSPORTABLE SKID MOUNTED, 750KW, 3 PHASE, 4 WIRE,
2400/4160, AND 2200/3800 VOLTS DOD MODEL MEP208A PRIME UTILITY CLASS 50/60 HERTS
(NSN 6115-00-450-5881) DOD MODEL 80-1466 REMOTE CONTROL MODULE CLASS
(6115-01-150-5284 DOD MODEL 80-7320 SITE REQUIREMENTS MODULE CLASS (6115-01-150-5
{NAVFAC P-8-633-24P} 074040 TM 9-6115-545-24P GENERATOR SET, DIESEL ENGINE DRIVEN,
TAC SKID MTD., 60 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS, D MODELS MEP-006A,
UTILITY CLASS, 50/60 H/Z, (NSN 6115-00-118-124 MEP-105A, PRECISE CLASS, 50/60 H/Z,
(6115-00-118-1252), MEP-115 PRECISE CLASS, 400 H/Z (6115-00-118-1253); INCLUDING
OPTIONAL K DOD MODELS MEP-006AWF, WINTERIZATION FUEL BURNING, (6115-00-407
MEP-006AWE, WINTERIZATION KIT, ELECTRIC, (6115-00-455-7693), ME LOAD BANK KIT,
(6115-00-407-8322), AND MEP-006AWM, WHEEL MOUNTI (6115-00-463-9092) {TO 074212 TM
9-6115-604-12 GENERATOR SET, DIESEL DRIVEN, AIR TRANSPORTABLE SKID MTD., 750 KW, 3
PHASE, 4 WIRE, 24 AND 2200/3800 V (DOD MODEL MEP 208A) CLASS PRIME UTILITY, HZ 50
(NSN 6115-00-450-5881) {NAVFAC P-8-633-12} 074896 TM 9-6115-604-34 GENERATOR SET,
DIESEL ENGINE DRIVEN, AIR TRANSPORTABLE SKID MTD., 750 KW, 3 PHASE, 4 WIRE,
2400/4160 AND 2200/3800 VOLTS DOD MODEL MEP 208A PRIME UTILITY CLASS 50/60 HERTZ
(NSN 6115-00-450-5881) {NAVFAC P-8-633-34} 075027 TM 9-6115-584-24P 1 GENERATOR SET,
DIESEL E DRIVEN, TACTICAL SKID MTD 5 KW, 1 PHASE -2 WIRE, 1 PHASE -3 WIR 3 PHASE -4
WIRE, 120, 120/240 AND 120/208 VOLTS (DOD MODEL MEP- UTILITY CLASS, 60 HZ (NSN
6115-00-465-1044) {NAVFAC P-8-622-24P TO 35C2-3-456-4} 077581 TM 9-6115-673-13&P 2KW
MILITARY TACTICAL GENERATOR SET 120 VAC, 60 HZ (NSN 6115-01-435-1565) (MEP-531A)
(EIC: LKA) (NSN 6115-21-912-0393) (MECHRON) 28 VDC (NSN 6115-01-435-1567) (MEP-501A)
(EIC: LKD) (NSN 6115-21-912-0392) (MECHRON) 078167 TM 9-6115-672-14 GENERATOR SET
SKID MOUNTED TACTICAL QUIET 60KW, 50/60 AND 400 HZ, MEP-806B (50/60 HZ) (NSN
6115-01-462-0291) EIC: GGW, MEP-816B (400 HZ) (NSN 6115-01-462-0292) EIC: GGX 078443 TM
9-6115-639-13 1 3KW TACTICAL QUIET GENERATOR SET MEP 831A (60 HZ) (NSN
6115-01-285-3012) (EIC: VG6) MEP 832A (400 HZ) (NSN 6115-01-287-2431) (EIC: VN7) 078490 TM
9-6115-671-14 OPERATOR, UNIT, GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 30 KW,
50/60 AND 400 HZ, MEP-805B (50/60 HZ) (NSN 6115-01-461-9335) (EIC: GGU) MEP-815B (400 HZ)
(6115-01-462-0290) (EIC: GGV) 078503 TM 9-6115-671-24P GENERATOR SET SKID MOUNTED,

TACTICAL QUIET 30 KW, 50/60 AND 400 HZ MEP-805B (50/60 HZ) (NSN 6115-01-461-9335) (EIC: GGU) MEP-815B (400 HZ) (NSN 6115-01-462-0290) (EIC: GGV) 078504 TM 9-6115-672-24P GENERATOR SET, SKID MOUNTED, TACTICAL QUIET 60 KW, 50/60 AND 400 HZ MEP-806B (50/60 HZ) (NSN 6115-01-462-0291) (EIC: GGW) MEP-816B (400 HZ) (NSN 6115-01-462-0292) (EIC: GGX) 078505 TB 9-6115-671-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 30KW, 50/60 AND 400 HZ MEP-805B AND MEP-815B PROCURED UNDER CONTRACT DAAK01-96-D-00620WITH MCII INC 078506 TB 9-6115-672-24 WARRANTY PROGRAM FOR GENERATOR SET, TACTICAL QUIET 30KW, 50/60 AND 400 HZ MEP-806B AND MEP-816B PROCURED UNDER CONTRACT DAAK01-96-D-00620WITH MCII INC 078523 TM 9-6115-664-13&P 5KW, 28VDC, AUXILIARY POWER UNIT (APU) MEP 952B NSN 6115-01-452-6513 (EIC: N/A) 078878 TM 9-6115-639-23P 3KW TACTICAL QUIET GENERATOR SET MEP 831A (60 HZ) (NSN 6115-01-285-3012) (EIC: VG6) MEP 832A (400 HZ) (NSN 6115-01-287-2431) (EIC: VN7) 079379 TB 9-6115-641-13 WINTERIZATION KIT (NSN 6115-01-476-8973) INSTALLED ON GENERATOR SET, SKID MOUNTED, TACTICAL QUIET, 5KW, 60 AND 400 HZ MEP-802A (600HZ) (6115-01-274-7387) MEP-812A (400HZ) (6115-01-274-7391) 079460 TB 9-6115-642-13 WINTERIZATION KIT (NSN 6115-01-477-0564) (EIC: N/A) INSTALLED ON GENERATOR KIT, SKID MOUNTED, TACTICAL QUIET, 10KW, 60 AND 400 HZ MEP-803A (60HZ) (6115-01-275-0561) MEP-813A (400HZ) (6115-01-274-7392) 079461 TB 9-6115-643-13 WINTERIZATION KIT (NSN 6115-477-0566) INSTALLED ON GENERATOR SET, SKID MOUNTED, TACTICAL QUIET, 15KW, 50/60 AND 400 HZ, MEP-804A (50/60HZ) (6115-01-274-7388) MEP-814A (400HZ) (6115-01-274-7393) 079462 TB 9-6115-644-13 WINTERIZATION KIT (NSN 6115-01-474-8354) (EIC:N/A) INSTALLED ON GENERATOR SET, SKID MOUNTED, 30KW, 50/60 AND 400 HZ MEP-805A (50/60HZ) (NSN 6115-01-274-7389) MEP-815A (400HZ) (NSN 611501-274-7394) 079463 TB 9-6115-645-13 WINTERIZATION KIT (NSN 6115-01-474-8344) (EIC: N/A) INSTALLED ON GENERATOR SET, SKID MOUNTED, TACTICAL QUIET, 60KW, 50/60 AND 400 HZ, MEP-806A (50/60HZ) (6115-01-274-7390) MEP-816A (400HZ) (6115-01-274-7395) 080214 TM 9-6115-670-14&P AUXILIARY POWER UNIT, 20KW, 120/240 VAC, 60 HZ, MODEL NO. MEP-903A(SICPS) NSN 6115-01-431-3062 MODEL NUMBER MEP-903B (JTACS) NSN 6115-01-431-3063 MODEL NO MEP-903C9WIN-T) NSN 6115-01-458-5329 (EIC: N/A)

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