

control panel wiring diagram

Control Panel Wiring Diagram: A Complete Guide to Understanding and Designing Electrical Control Systems

control panel wiring diagram is a fundamental element in the world of electrical engineering and automation. Whether you're an electrician, technician, or simply curious about how machines and systems communicate and function, understanding a control panel wiring diagram is essential. These diagrams offer a visual representation of the electrical connections and components inside a control panel, serving as a roadmap for installation, troubleshooting, and maintenance. In this article, we'll explore what a control panel wiring diagram entails, why it's important, and how to interpret and design one effectively.

What Is a Control Panel Wiring Diagram?

At its core, a control panel wiring diagram is a detailed schematic that shows how electrical components are interconnected within a control panel. Unlike simple wiring diagrams that focus on connections between devices, control panel wiring diagrams are comprehensive, illustrating the layout of relays, switches, circuit breakers, transformers, and other control devices. These diagrams help technicians understand how signals flow, how power is distributed, and how different components interact to perform specific functions.

The Purpose of Control Panel Wiring Diagrams

Control panel wiring diagrams serve several key purposes:

- **Installation Guidance:** They provide electricians with exact instructions on where and how to connect wires to ensure the system functions correctly.
- **Troubleshooting Aid:** When something goes wrong, these diagrams help identify faults quickly by showing where each wire leads and what it connects.
- **Documentation:** Keeping a record of the wiring layout is crucial for future upgrades, repairs, or compliance with safety standards.
- **Training Tool:** New technicians can learn how systems work by studying these detailed diagrams.

Key Components Illustrated in Control Panel Wiring Diagrams

A well-crafted control panel wiring diagram includes several critical components that are part of industrial or residential control systems:

Relays and Contactors

Relays are electrically operated switches, and contactors are a specific type of relay used for switching high power loads. The diagram shows their coil connections and contact points, enabling clear understanding of control logic.

Circuit Breakers and Fuses

These protective devices prevent overloads and short circuits. The wiring diagram indicates how these devices are integrated to safeguard the system.

Transformers and Power Supplies

Transformers step voltage levels up or down, while power supplies convert AC to DC power. Their inclusion in the diagram ensures that voltage requirements for various components are met.

Switches, Push Buttons, and Indicators

These control and signaling devices allow operators to interact with the system. The wiring diagram details their connections to controllers and output devices.

Programmable Logic Controllers (PLCs)

In modern control panels, PLCs act as the brain of automation systems. Wiring diagrams show input/output connections, power supply wiring, and communication interfaces related to the PLC.

Understanding Symbols and Notations in Control Panel Wiring Diagrams

One of the challenges for beginners is interpreting the symbols used in wiring diagrams. Standardized electrical symbols represent components, connections, and functions.

Common Symbols

- **Lines:** Represent wires or electrical conductors. Solid lines usually

indicate primary wiring, while dashed lines may show control or secondary wiring.

- **Switches:** Depicted by a break in the line with a lever symbol.
- **Relays:** Shown as rectangles with coil and contact terminals labeled.
- **Grounds:** Indicated by a series of horizontal lines decreasing in width.
- **Connectors and Terminals:** Circles or dots where wires join.

Labels and Annotations

Labels like “L1,” “N,” and “PE” identify line, neutral, and protective earth connections. Terminal numbers correspond with physical terminal blocks, helping technicians match the diagram to real hardware.

How to Read a Control Panel Wiring Diagram Effectively

Reading these diagrams takes practice, but a systematic approach can make the process smoother.

Start with the Power Supply

Identify where the power enters the control panel and trace how it flows through protective devices like circuit breakers and fuses. This establishes the foundation of the circuit.

Follow the Control Logic

Look at how switches, relays, and control devices interact. Pay attention to coil terminals and contact points, noting which devices control others.

Trace Signal Paths

For automation systems, understanding the input signals (from sensors or switches) and output signals (to motors, lights, or alarms) is vital. Follow these wires to see how control decisions are made.

Use Color Codes and Wire Numbers

Many wiring diagrams use standardized color codes and wire numbering schemes to aid identification. Cross-reference these with actual wiring to avoid

errors.

Designing Your Own Control Panel Wiring Diagram

Creating a wiring diagram from scratch can seem intimidating, but it's manageable with the right steps and tools.

Gather All Necessary Information

Start by listing all components to be included, their electrical ratings, and how they are supposed to interact. Consult datasheets and manufacturer manuals to understand wiring requirements.

Choose the Right Software or Tools

While hand-drawing is possible, CAD software or specialized electrical design programs like AutoCAD Electrical, EPLAN, or SolidWorks Electrical provide precision and easy editing.

Establish a Logical Layout

Arrange components in the diagram according to their physical placement or function. Group related devices to keep the diagram organized.

Use Standard Symbols and Notations

Adhering to IEC or ANSI standards for electrical symbols ensures your diagram will be understandable by others in the industry.

Label Everything Clearly

Include terminal numbers, wire colors, and component tags. Annotations help anyone who works with the panel later.

Review and Test

After completing the diagram, cross-check it against the actual wiring plan and have another qualified person review it. Simulate the circuit if possible to verify functionality.

Common Mistakes to Avoid When Working with Control Panel Wiring Diagrams

Even experienced electricians can fall prey to errors that lead to system failures or safety hazards.

- **Ignoring Grounding Practices:** Proper grounding is crucial for safety and equipment protection.
- **Overcomplicating the Diagram:** Avoid clutter by breaking complex systems into smaller subsystems.
- **Neglecting Wire Sizing and Ratings:** Using undersized wires can cause overheating and damage.
- **Not Updating Diagrams:** Always update wiring diagrams after modifications to maintain accuracy.
- **Skipping Labeling:** Unlabeled wires and terminals make troubleshooting difficult.

The Role of Control Panel Wiring Diagrams in Automation and Industry 4.0

As industries move towards smarter automation with sensors, IoT devices, and AI integration, control panel wiring diagrams are evolving as well. Modern diagrams often incorporate digital communication lines, network interfaces, and complex sensor arrays. Understanding these advanced diagrams requires knowledge of both traditional electrical wiring and modern communication protocols like Modbus, Ethernet/IP, or Profibus.

Even with increasing digitization, the control panel wiring diagram remains a vital document for engineers and technicians, bridging the gap between hardware and software.

Whether you're troubleshooting an existing machine or designing a new control system, mastering the control panel wiring diagram opens doors to efficient, safe, and reliable electrical control solutions. With practice and attention to detail, these diagrams become an invaluable tool in your technical skillset.

Frequently Asked Questions

What is a control panel wiring diagram?

A control panel wiring diagram is a detailed schematic that shows the electrical connections and components within a control panel, helping

technicians understand how the system is wired and functions.

Why is a control panel wiring diagram important?

It is important because it provides a clear layout of the electrical circuits, ensuring proper installation, troubleshooting, maintenance, and safety compliance for control systems.

What are common components shown in a control panel wiring diagram?

Common components include circuit breakers, relays, contactors, switches, transformers, terminal blocks, and wiring connections.

How do I read a control panel wiring diagram?

Start by identifying the main power source, follow the wiring paths between components, understand symbols used, and refer to the legend or key for component identification.

What software tools are used to create control panel wiring diagrams?

Popular software includes AutoCAD Electrical, EPLAN Electric P8, SolidWorks Electrical, and Microsoft Visio.

Can a control panel wiring diagram help in troubleshooting?

Yes, it helps technicians trace circuits, identify faulty components, and understand the system layout to efficiently diagnose and fix issues.

What standards should be followed when creating control panel wiring diagrams?

Standards such as IEC 60617, IEEE standards, and company-specific guidelines ensure consistency, safety, and clarity in wiring diagrams.

How detailed should a control panel wiring diagram be?

It should be detailed enough to show all electrical connections, component specifications, wire numbers, and terminal points to facilitate accurate assembly and maintenance.

Where can I find sample control panel wiring diagrams?

Samples can be found in electrical engineering textbooks, manufacturer manuals, online technical forums, and specialized websites offering electrical design resources.

Additional Resources

Control Panel Wiring Diagram: A Critical Component in Industrial and Commercial Electrical Systems

control panel wiring diagram is a fundamental blueprint that serves as the backbone for designing, installing, and troubleshooting electrical control panels. These diagrams provide a detailed graphical representation of the electrical connections and components within a control panel, enabling engineers, electricians, and technicians to understand the functional relationships and wiring configurations. In the industrial and commercial sectors, where control panels regulate machinery, automation systems, HVAC units, and power distribution, the accuracy and clarity of wiring diagrams are paramount to ensuring safety, efficiency, and reliability.

Understanding the Essence of Control Panel Wiring Diagrams

At its core, a control panel wiring diagram illustrates how various electrical devices—such as switches, relays, circuit breakers, contactors, and terminals—are interconnected. Unlike schematic diagrams that focus on the logical flow of current and control signals, wiring diagrams emphasize the physical layout and wiring routes, making them indispensable for on-site installation and maintenance.

The complexity of control panel wiring diagrams can vary widely depending on the application. For example, a simple lighting control panel might have a few components and straightforward wiring paths, while an industrial automation panel could involve hundreds of components, complex interlocks, programmable logic controllers (PLCs), and communication interfaces.

Key Components Depicted in Wiring Diagrams

A comprehensive control panel wiring diagram typically includes:

- **Power Supply Lines:** Indicating the source of electrical power and its distribution within the panel.
- **Control Devices:** Switches, push buttons, selector switches, and pilot lights that initiate or indicate system status.
- **Protective Elements:** Circuit breakers, fuses, and overload relays designed to prevent damage from faults.
- **Actuators and Sensors:** Components such as motors, solenoids, and various sensors that interact with the process controlled by the panel.
- **Wiring Paths:** Color-coded or numbered wires showing connections between devices.
- **Terminal Blocks:** Junction points for wiring cables and facilitating modular design.

The Role of Control Panel Wiring Diagrams in System Design and Maintenance

Control panel wiring diagrams are indispensable throughout the lifecycle of electrical systems. During the design phase, they enable engineers to plan the layout, select appropriate components, and ensure compliance with safety standards such as the National Electrical Code (NEC) or IEC regulations. Accurate diagrams reduce errors during assembly and minimize costly modifications.

From an installation perspective, technicians rely on wiring diagrams to connect components correctly, ensuring the system performs as intended. Miswiring can lead to equipment failure, safety hazards, and extended downtime.

In maintenance and troubleshooting scenarios, wiring diagrams serve as a diagnostic tool. When a control panel malfunctions, an electrician can trace wiring paths, verify connections, and isolate faults more efficiently using the diagram. This capability dramatically reduces repair time and enhances system uptime.

Common Standards and Symbols in Wiring Diagrams

Adherence to standardized symbols and conventions is crucial for universal understanding and interoperability. Some widely accepted standards include:

- **IEC 60617:** International standard for electrical symbols used in diagrams.
- **IEEE Standard 315:** American standard for graphic symbols in electrical and electronics diagrams.
- **NEPA 79:** Standard for electrical equipment in industrial machinery, emphasizing wiring and control.

Using standardized symbols—for example, a circle with a letter inside to denote a pilot light or a rectangle for a relay coil—helps professionals interpret diagrams quickly regardless of geographic location or manufacturer.

Technological Advancements and Digital Wiring Diagrams

With the evolution of computer-aided design (CAD) software and electrical design tools, control panel wiring diagrams have transitioned from hand-drawn schematics to sophisticated digital models. Modern software solutions offer several advantages:

- **Automated Wire Numbering and Tagging:** Reducing errors and improving clarity.

- **3D Panel Layouts:** Allowing visualization of physical space constraints alongside wiring paths.
- **Integration with PLC Programming:** Ensuring seamless coordination between hardware wiring and software logic.
- **Version Control and Documentation:** Keeping track of revisions for compliance and maintenance records.

Despite these advancements, the fundamental purpose remains unchanged: to provide an accurate, accessible roadmap for electrical connections.

Pros and Cons of Using Digital Wiring Diagrams

- **Pros:**

- Enhanced accuracy and reduced human error.
- Faster modifications and updates.
- Improved collaboration through cloud-based sharing.
- Ability to simulate electrical behavior before physical assembly.

- **Cons:**

- Initial learning curve for complex CAD tools.
- Dependence on software compatibility and versioning.
- Potential cybersecurity risks if sensitive diagrams are stored online.

Practical Tips for Creating and Interpreting Control Panel Wiring Diagrams

For professionals engaged in generating or using control panel wiring diagrams, adherence to best practices is essential to maximize effectiveness:

1. **Maintain Consistent Labeling:** Use clear, unique identifiers for wires, terminals, and components to avoid confusion.
2. **Follow Standardized Symbols:** Ensure all stakeholders can interpret the diagram accurately.

3. **Include Detailed Notes:** Annotations explaining special wiring conditions or component specifications add valuable context.
4. **Cross-Reference Schematics:** Use wiring diagrams in conjunction with schematic diagrams to gain both physical and functional perspectives.
5. **Update Regularly:** Reflect modifications promptly to keep documentation current and reliable.

Challenges in Wiring Diagram Interpretation

While wiring diagrams are designed to clarify, they can sometimes become overwhelming due to complexity or poor drafting. Common challenges include:

- Overcrowded layouts with overlapping wires.
- Inconsistent or missing wire color codes.
- Ambiguous symbols or lack of legend.
- Outdated diagrams that do not reflect actual panel modifications.

Addressing these issues through disciplined documentation practices and training enhances the utility of control panel wiring diagrams significantly.

The Impact of Accurate Control Panel Wiring Diagrams on Safety and Compliance

Safety cannot be overstated in electrical control systems. Incorrect wiring can result in short circuits, electrical shocks, fires, or equipment damage. Regulatory bodies mandate precise documentation to ensure installations meet stringent safety criteria. Well-prepared control panel wiring diagrams facilitate compliance audits and certifications, thereby reducing liability and protecting personnel.

Moreover, clear wiring diagrams contribute to safe lockout/tagout procedures during maintenance, helping technicians isolate circuits without risk. In environments such as manufacturing plants, data centers, or commercial buildings, where downtime can be costly, these diagrams are essential tools for maintaining operational continuity.

Control panel wiring diagrams, therefore, represent more than mere technical drawings; they embody a critical interface between design intent, practical implementation, and ongoing system stewardship in electrical engineering. Their role continues to evolve alongside technological progress, yet their foundational importance remains steadfast across industries worldwide.

Control Panel Wiring Diagram

control panel wiring diagram: *Electrical Engineering Drawing* Dr S K Bhattacharya, 2007
Electrical Drawing Is An Important Engineering Subject Taught To Electrical/Electronics Engineering Students Both At Degree And Diploma Level Institutions. The Course Content Generally Covers Assembly And Working Drawings Of Electrical Machines And Machine Parts, Drawing Of Electrical Circuits, Instruments And Components. The Contents Of This Book Have Been Prepared By Consulting The Syllabus Of Various State Boards Of Technical Education As Also Of Different Engineering Colleges. This Book Has Nine Chapters. Chapter I Provides Latest Informations About Drawing Sheets, Lettering, Dimensioning, Method Of Projections, Sectional Views Including Assembly And Working Drawings Of Simple Electrical And Mechanical Items With Plenty Of Solved Examples. The Second Chapter Deals With Drawing Of Commonly Used Electrical Instruments, Their Method Of Connection And Of Instrument Parts. Chapter Iii Deals With Mechanical Drawings Of Electrical Machines And Machine Parts. The Details Include Drawings Of D.C. Machines, Induction Machines, Synchronous Machines, Fractional Kw Motors And Transformers. Chapter Iv Includes Panel Board Wiring Diagrams. The Fifth Chapter Is Devoted To Winding Diagrams Of D.C. And A.C. Machines. Chapter Vi And Vii Include Drawings Of Transmission And Distribution Line Accessories, Supports, Etc. As Also Plant And Substation Layout Diagrams. Miscellaneous Drawing Like Drawings Of Earth Electrodes, Circuit Breakers, Lighting Arresters, Etc. Have Been Dealt With In Chapter Viii. Graded Exercises With Feedback On Reading And Interpreting Engineering Drawings Covering The Entire Course Content Have Been Included In Ix Providing Ample Opportunities To The Learner To Practice On Such Graded Exercises And Receive Feedback. Chapter X Includes Drawings Of Electronic Circuits And Components. This Book, Unlike Some Of The Available Books In The Market, Contains A Large Number Of Solved Examples Which Would Help Students Understand The Subject Better. Explanations Are Very Simple And Easy To Understand. Reference To Norms And Standards Have Been Made At Appropriate Places. Students Will Find This Book Useful Not Only For Passing Examinations But Even More In Reading And Interpreting Engineering Drawings During Their Professional Career.

control panel wiring diagram: ,

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control panel wiring diagram: 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 HZ (MODEL MEP-019A) (6115-940-7862) AN DC (MODEL MEP-024A) (6115-940-7867) {TO 35C2-3-440-14} 013537 TM 5-6115-457-12 7 GENERATOR SET, ENGINE DRIVEN, TACTICAL, SKID MTD; 100 KW, 3 PHASE, 4 WIRE, 120 240/416 V (DOD MODELS MEP-007A), UTILITY CLASS, 50/60 HZ (NSN 6115-00-133-9101), (MODEL MEP-106A) PRECISE CLASS, 50/60 H (6115-00-133-9102), (MODEL MEP-116A) PRECISE CLASS, 400 KW (6115-00-133-9103) INCLUDING OPTIONAL KITS (MODEL MEP-007 AWF) WINTERIZATION KIT, FUEL BURNING (6115-00-463-9082), (MEP-007AWE WINTERIZATION KIT, ELECTRIC (6115-00-463-9084), (MODEL MEP-007A DUMMY LOAD KIT (6115-00-463-9086) AND (MODEL MEP-007AWM) WHEEL 013538 TM 5-6115-457-34 12 GENERATOR SET, DIESEL ENGINE DRIVEN,

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DRIVEN, TACTICAL, SKID MOUNTED, 30 3 PHASE, 4 WIRE, 120/206 AND 240/416 V (DOD MODEL MEP-055A), UT CLASS, 50/60 HZ (NSN 6115-00-118-1240); (MODEL MEP 104A), PRECI CLASS, 50/60 HZ (6115-00-118-1247) AND (MODEL 114A) PRECISE CLA 400 HZ (6115-00-118-1248) 025150 TM 5-6115-271-14 12 GENERATOR SET, GASOLINE ENGINE DRIVEN, S MTD, TUBULAR FRAME, 3 KW, 3 PHASE, AC, 120/208 AND 120/240 V, 2 DC (LESS ENGINE) DOD MODEL MEP-016A, 60 HZ (NSN 6115-00-017-823 MODEL MEP-016C 60 HZ (6115-00-143-3311) MODEL MEP-021A 400 HZ (6115-00-017-8238) MODEL MEP-021C 400 HZ (6115-01-175-7321) MODEL MEP-026A DC HZ (6115-00-017-8239) MODEL MEP-026C 28 V DC (6115-01-175-7320) {TO 35C2-3-386-1; TM 05926A-14; NAVFAC P-8-6 025151 TM 5-6115-271-24P 3 GENERATOR SET, GASOLINE ENGINE DRIVEN, SKID MOUNTED, TUBULA FRAME, 3 KW, 3 PHASE, AC; 120/208 AND 120/240 VOLTS, 28 VDC (LE ENGINE) (DOD MODEL MEP-016A) 60 HERTZ (NSN 6115-00-017-8237) (MEP-021A) 400 HERTZ (6115-00-017-8238) (MEP-026A) 28 VDC HERTZ (6115-00-017-8239) (MEP-016C) 60 HERTZ (6115-01-143-3311) (MEP- 400 HERTZ (6115-01-175-7321) (MEP-026C) 28 VDC HERTZ (6115-01-175-7320) {TO 35C2-3-386-4; SL-4-05926A} 032507 TM 5-6115-275-14 10 GENERATOR SET, GASOLINE ENGINE DRIVEN, SKID MOUNTED, TUBULAR FRAME, 10 KW, AC, 120/208V PHASE, AND 120/240V, SINGLE PHASE, LESS ENGINE: DOD MODELS MEP- HZ, (NSN 6115-00-889-1447) AND MEP-023A, 400 HZ (6115-00-926-08 {NAVFAC P-8-615-14; TO 35C2-3-452-1} (THIS ITEM IS INCLUDED ON EM 0086, EM 0088 & EM 0127) 032508 TM 5-6115-275-24P 5 GENERATOR, GASOLINE ENGINE DRIVEN, SKID MOUNTED, TUBULAR FRAME, 10 KW, AC, 120/208 V, 3 PHASE AND 120/240 V, SINGLE PHASE (LESS ENGINE); D MEP-018A, UTILITY CLASS, 60 HZ (NSN 6115-00-889-1447) AND MEP-0 PRECISE CLASS, 400 HZ (6115-00-926-0843) {NAVFAC P8-615-24P; TO 35C2-3-452-4} (THIS ITEM IS INCLUDED ON EM 0086, EM 0088 & EM 0127) 032551 TM 5-6115-584-12 11 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 5 KW, 1 PHASE, 2 WIRE; 1 PHASE, 3 WIRE; 3 PHASE, 4 WIRE, 120, 120/240 AND 120/208 V (DOD MODEL MEP-002A) UTILITY CLASS, 60 HZ (NSN 6115-00-465-1044) {NAVFAC P-8-622-12; TO 35C2-3-456-1; TM 05682C-12} 032640 TM 5-6115-585-12 12 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 10 KW, 1 PHASE, 2 WIRE 1 PHASE, 3 WIRE AND 3 PHASE, 4 WIRE; 120, 120/240 AND 120/208 V (DOD MODEL MEP-003A) UTILITY CLASS, 60 HZ (NSN 6115-00-465-1030 AND (MODEL MEP-112A), UTILITY CLASS, 400 HZ (6115-00-465-1027) {NAVFAC P-8-623-12; TO 35C2-3-455-1; TM-05684C/05685B-12} 032781 TM 5-6115-584-34 8 GENERATOR SET, DIESEL ENGINE DRIVEN, TAC SKID MOUNTED, 5 KW, 1 PHASE, 2 WIRE, 1 PHASE, 3 WIRE, 3 PHASE, 120, 120/240 AND 120/208 V (DOD MODEL MEP-002A), UTILITY CLASS, (NSN 6115-00-465-1044) {NAVFAC P-8-622-34; TO 35C2-3-456-2; TM 0568C-34} 032936 TM 5-6115-329-14 4 GENERATOR SET GASOLINE ENGINE DRIVEN, 0.5 KW (LESS ENGINE) (DOD MODEL MEP-014 UTILITY CLASS, 60 HZ) (NSN 6115-00-923-4469), (DOD MODEL MEP-01 UTILITY CLASS, 400 HZ (6115-00-940-7862) AND (DOD MODEL MEP-024 UTILITY CLASS, 28 VDC (6115-00-940-7867) {TO 35C2-3-440-1} 033374 TM 5-6115-332-14 10 GENERATOR SET, TAC GASOLINE ENGINE: AIR COOLED, 5 KW, AC, 120/240 V, SINGLE PHASE, V, 3 PHASE, SKID MOUNTED, TUBULAR FRAME (LESS ENGINE) (MILITARY DOD MODEL MEP-017A), UTILITY, 60 HZ (NSN 6115-00-017-8240) AND MODEL MEP-022A), UTILITY, 400 HZ (6115-00-017-8241) {NAVFAC P-8-614-14; TO 35C2-3-424-1} 033750 TM 5-6115-585-34 9 GENERATOR SET, DIESEL ENGINE DRIVEN, TAC SKID MOUNTED, 10 KW, 1 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 400 HZ 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 400 HZ 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

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