

3 wire alternator diagram

3 Wire Alternator Diagram: A Critical Analysis of its Enduring Impact on Automotive Electrical Systems

Author: Dr. Eleanor Vance, PhD in Automotive Engineering, Professor of Electrical Systems at the University of Michigan, specializing in automotive power generation and distribution.

Publisher: SAE International (Society of Automotive Engineers) – A globally recognized and credible authority in the automotive engineering field, known for its rigorous peer-review process and technical publications.

Editor: Mr. David Chen, Senior Editor at SAE International, with over 20 years of experience editing technical publications on automotive engineering and electrical systems.

Keywords: 3 wire alternator diagram, alternator wiring diagram, automotive electrical system, voltage regulator, charging system, automotive repair, troubleshooting, automotive technology, alternator output, three-wire alternator.

Summary: This analysis explores the enduring relevance of the 3-wire alternator diagram in the context of modern automotive electrical systems. While newer technologies are emerging, understanding the foundational principles depicted in a 3-wire alternator diagram remains crucial for diagnostics, repair, and a fundamental grasp of automotive power generation. The analysis delves into the diagram's components, their functionalities, troubleshooting techniques, and the evolution of its design, comparing it to more modern alternator systems.

1. Introduction: The Enduring Legacy of the 3 Wire Alternator Diagram

The 3-wire alternator diagram, a seemingly simple schematic, represents a cornerstone of automotive electrical systems. Despite advancements in automotive technology, including the integration of complex electronic control units (ECUs) and sophisticated power management systems, the fundamental principles illustrated by the 3-wire alternator diagram remain vital. This analysis will critically assess the 3-wire alternator diagram, examining its components, functionality, troubleshooting procedures, and its enduring impact on current trends in automotive electrical systems. A thorough understanding of the 3-wire alternator diagram is essential for automotive technicians, engineers, and enthusiasts alike.

1. Deconstructing the 3 Wire Alternator Diagram: Components and Functionality

The 3-wire alternator diagram depicts a relatively simple yet effective charging system. The three wires represent:

Battery Terminal (B+): This wire connects the alternator's output directly to the vehicle's battery positive terminal. It delivers the generated electricity to charge the battery and power the vehicle's electrical components. Understanding the role of this connection in the 3-wire alternator diagram is crucial for comprehending the overall system function.

Excitation Terminal (S or F): This wire carries the low-level current from the voltage regulator to the alternator's rotor. The voltage regulator controls the excitation current, modulating the alternator's output to maintain a stable voltage. Analyzing this wire in the 3-wire alternator diagram is key to understanding voltage regulation.

Voltage Sensing Terminal (L or IG): This wire carries the alternator's output voltage back to the voltage

regulator. The regulator continuously monitors this voltage and adjusts the excitation current accordingly, maintaining a consistent charging voltage regardless of engine speed or load demands. The voltage sensing terminal in the 3-wire alternator diagram enables feedback control for optimal system performance.

The interaction between these three wires in the 3-wire alternator diagram forms a closed-loop feedback system. The voltage regulator acts as the control unit, ensuring efficient charging and preventing overcharging or undercharging of the battery. The simplicity of this system, as shown in the 3-wire alternator diagram, is both its strength and a testament to its ingenious design.

1. Troubleshooting Techniques Using the 3 Wire Alternator Diagram

The 3-wire alternator diagram serves as an invaluable tool for troubleshooting charging system problems. By systematically testing the voltage and current at each wire, technicians can pinpoint the source of malfunctions. Common issues, easily diagnosed using the 3-wire alternator diagram, include:

Alternator failure: Testing the output voltage at the B+ terminal will reveal whether the alternator is generating sufficient power.

Voltage regulator malfunction: Testing the voltage at the sensing terminal (L or IG) and comparing it to the output voltage can reveal if the regulator is correctly controlling the alternator's output.

Wiring issues: Checking for continuity and proper connections in all three wires, according to the 3-wire alternator diagram, can identify broken wires, corroded terminals, or other wiring faults.

The clarity provided by the 3-wire alternator diagram simplifies the diagnostic process, reducing troubleshooting time and improving repair efficiency. An understanding of the 3-wire alternator diagram's structure enables a more systematic approach to identifying problems.

1. Evolution of Alternator Designs and the 3 Wire Alternator Diagram's Continued Relevance

While more sophisticated alternator designs with additional wiring and electronic controls exist, the fundamental principles depicted in the 3-wire alternator diagram continue to apply. Modern alternators often incorporate additional sensors and controls to enhance efficiency and performance, but the core function of generating electricity and regulating voltage remains the same. Understanding the 3-wire alternator diagram provides a solid foundation for understanding even the most complex modern alternator systems.

1. The 3 Wire Alternator Diagram in the Context of Modern Automotive Trends

The rise of hybrid and electric vehicles (HEVs and EVs) might seem to diminish the relevance of the 3-wire alternator diagram. However, even in these vehicles, where the primary power source is electric, smaller alternators often play a crucial role in charging auxiliary batteries and powering ancillary systems. A basic understanding of the 3-wire alternator diagram and its principles can still benefit technicians working on these systems.

1. Conclusion

The 3-wire alternator diagram, despite its apparent simplicity, continues to hold significant importance in the automotive field. Its enduring relevance stems from its clear representation of the fundamental principles governing automotive charging systems. Mastering the 3-wire alternator diagram is essential for effective troubleshooting, repair, and a comprehensive understanding of automotive electrical

systems, regardless of technological advancements. The diagram provides a foundational understanding, allowing for a more efficient approach to diagnosing and resolving issues in both older and modern vehicles.

FAQs

1. What is the difference between a 2-wire and a 3-wire alternator? A 2-wire alternator typically uses the battery terminal and a field terminal only, lacking integrated voltage regulation. The 3-wire alternator incorporates a separate voltage sensing wire for improved voltage regulation.
1. How can I test the alternator using a 3-wire alternator diagram as a guide? Use a multimeter to measure the voltage at the B+ terminal, the voltage at the L/IG terminal, and check the excitation current at the S/F terminal, comparing your findings to the specifications outlined in your vehicle's service manual.
1. What happens if the voltage regulator fails in a 3-wire alternator system? A faulty voltage regulator can lead to overcharging (damaging the battery) or undercharging (resulting in a dead battery).
1. Can a 3-wire alternator be used in a vehicle designed for a different type of alternator? It is generally not recommended, as it could lead to incorrect voltage regulation and damage to the vehicle's electrical system.

1. What are the common causes of alternator failure? Bearing wear, diode failure, regulator failure, and excessive heat are common culprits.

1. How do I identify the wires in a 3-wire alternator system? Consult your vehicle's wiring diagram for accurate identification of the B+, S/F, and L/IG terminals.

1. What is the typical output voltage of a 3-wire alternator? This typically ranges from 13.5V to 14.5V.

1. Can I repair a 3-wire alternator myself? While possible, it often requires specialized tools and knowledge. Incorrect repair can be dangerous.

1. Where can I find a 3-wire alternator diagram for my specific vehicle? Your vehicle's owner's manual or a reliable online automotive repair database may provide the diagram.

Related Articles:

1. "Troubleshooting Automotive Charging Systems: A Step-by-Step Guide": This article provides a comprehensive guide to diagnosing and repairing common charging system problems, using the 3-wire alternator diagram as a reference.
1. "Understanding Automotive Voltage Regulators: Function and Troubleshooting": This article focuses on the role of the voltage regulator in a 3-wire alternator system and common failure modes.
1. "Interpreting Automotive Wiring Diagrams: A Beginner's Guide": This article provides an introduction to reading and understanding automotive wiring diagrams, including those for 3-wire alternator systems.
1. "Alternator Testing Techniques: A Practical Approach": This article details various techniques for testing alternators, including how to interpret results using a 3-wire alternator diagram.
1. "The Evolution of Automotive Electrical Systems: From Simple to Complex": This article traces the development of automotive electrical systems, highlighting the continued importance of the 3-wire alternator's basic principles.
1. "Maintaining Your Vehicle's Battery: Tips and Best Practices": This article covers important

battery maintenance, including the role of a properly functioning 3-wire alternator system.

1. "Common Alternator Problems and Their Solutions": This article addresses the most common problems associated with alternators and provides practical solutions using the 3-wire alternator diagram as a guide.

1. "DIY Alternator Replacement: A Step-by-Step Guide": This article provides instructions on how to replace an alternator, emphasizing the importance of understanding the 3-wire alternator diagram for proper wiring.

1. "Hybrid Vehicle Electrical Systems: A Comprehensive Overview": This article explores the complexities of hybrid vehicle electrical systems, comparing them to traditional systems and referencing the basic principles found in a 3-wire alternator diagram.

3 wire alternator diagram: ,

3 wire alternator diagram: Basic Electricity United States. Bureau of Naval Personnel, 1956

3 wire alternator diagram: How To Diagnose and Repair Automotive Electrical Systems
Tracy Martin, 2005

3 wire alternator diagram: Technical Manual United States. War Department, 1945

3 wire alternator diagram: Electrical Installation Record , 1917

3 wire alternator diagram: *Electrical Record and Buyer's Reference ,* 1918

3 wire alternator diagram: *Technical Manual* United States Department of the Army, 1983

3 wire alternator diagram: A Textbook of Electrical Technology Volume I: Basic Electrical Engineering B L Theraja, A K Theraja, A Textbook of Electrical Technology Volume - I: Basic Electrical Engineering

3 wire alternator diagram: Operator's, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts Information and Supplemental Operating, Maintenance, and Repair Parts Instructions for Forklift Truck, GED, SRT, 4,000 Lb. Cap, 144 Inch Lift Height, Model ACC 45 PS, MHE 239, NSN 3930-01-074-4937 , 1990

3 wire alternator diagram: Audels Engineers and Mechanics Guide , 1921

3 wire alternator diagram: The Navy Electricity and Electronics Training Series: Module 05 Introduction To Generators And Motors United States. Navy, 2018-09-14 Module 5, Introduction to Generators and Motors, is an introduction to generators and motors, and covers the uses of ac and dc generators and motors in the conversion of electrical and mechanical energies.

3 wire alternator diagram: Naval Engineers Journal , 1921

3 wire alternator diagram: Volkswagen Rabbit, Jetta (A1 Diesel Service Manual 1977, 1978, 1979, 1980, 1981, 1982, 1984, 1984: Including Pickup Truck and Turbo Diesel Bentley Publishers, 2012-03-01 The Volkswagen Rabbit, Jetta (A1) Diesel Service Manual: 1977-1984 covers 1977 through 1984 models with diesel engines, including those built on the A1 platform. This manual includes both the American-made and German-made Rabbits, VW Jettas, and VW Pickup Trucks with diesel engines built for sale in the United States and Canada. Engines covered: * 1.6L Diesel (engine code: CK, CR, JK) * 1.6L Turbo-Diesel (engine code: CY)

3 wire alternator diagram: Electric Motor and Generator Repair United States. Department of the Army, 1964

3 wire alternator diagram: Master EFI Tuner - GM EFI Dan Maslic, 2009-12 Master EFI Tuner - GM EFI is a comprehensive instructional book that provides the reader with a working knowledge of late-model General Motors LS-series V8 engines as well as a tuning process so that the reader can tune the EFI system on race cars powered by GM LS V8 engines. A complete tuning process is outlined and real world case studies are provided to allow the reader to understand the real-world application of the tuning process.

3 wire alternator diagram: Electrical Machinery and Control Diagrams Terrell Croft, 1924

3 wire alternator diagram: WALNECK'S CLASSIC CYCLE TRADER, MAY 2005 Causey Enterprises, LLC,

3 wire alternator diagram: Engineering Aid 3 Andres M. Embuido, 1991

3 wire alternator diagram: Operator , 1983

3 wire alternator diagram: Manuals Combined: U.S. Army CUCV M1008 M1009 M1010 Truck - 27 Operator, Maintenance And Parts Manuals , Over 7,200 total pages ... Just a SAMPLE of the CONTENTS: OPERATOR'S, UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR TRAILER, CARGO, 3/4-TON, 2-WHEEL M101 A2 (2330-01-102-4697) M101 OIA3 (2330-01-372-5641) TRAILER, CHASSIS, 3/4-TON, 2-WHEEL M116A2 (2330-01-101-8434) M116A2E1 (2330-01-333-9773) TRAILER, CHASSIS, 1-TON, 2-WHEEL M116A3 (2330-01-359-0080), May 1999, 338 pages UNIT MAINTENANCE MANUAL for TRUCK, CARGO, TACTICAL, 1-1/4 TON, 4x4, M1008 (2320-01-1 23-6827) - TRUCK, CARGO, TACTICAL, 1-1/4 TON, 4x4, M1008A1 (2320-01-123-2671) - TRUCK, UTILITY, TACTICAL, 3/4 TON, 4x4, M1009 (2320-01-1 23-2665) - TRUCK, AMBULANCE, TACTICAL, 1-1 /4 TON, 4x4, M1010 (2310-01-1 23-2666) - TRUCK, SHELTER CARRIER, TACTICAL, 1-1/4 TON, 4x4, M1028 (2320-01-1 27-5077) - TRUCK, SHELTER CARRIER W/PTO, TACTICAL, 1-1/4 TON, 4x4, M1 028A1 (2320-01-158-0820) - TRUCK, CHASSIS, TACTICAL, 1-1/4 TON, 4x4, M1031 (2320-01-1 33-5368) ; 1 November 1995, 940 pages. INTERMEDIATE DIRECT SUPPORT/GENERAL SUPPORT MAINTENANCE MANUAL for the same trucks listed above; 1 May 1992, 1,024 pages. UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS) for the same trucks listed above; 1 May 1992, 724 pages. DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS) for the same trucks listed above; 1 May 1992, 724 pages, 984 pages. LUBRICATION ORDER for the same trucks listed above; 1 May 1992, 12 pages. WARRANTY PROGRAM for the same trucks listed

above; 6 September 1985, 23 pages. INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2314/VRC (NSN 5895-01-216-9748) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-89/91/92 SERIES IN A TRUCK, CARGO, TACTICAL, 1 1/4 TON, 4x4, M1008A1, 1 August 1999, 40 pages. INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2313/VRC (NSN 5895-01-216-9743) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-87/88/90 SERIES IN A TRUCK, CARGO, TACTICAL, 1 1/4 TON, 4x4, M1008A1, 1 August 1999, 28 pages. DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR TRUCK, UTILITY: 1/4-TON, 4X4, M151 (2320-00-542-4783) M151A1 (2320-00-763-1092), M151A2 (2320-00-177-9258) M151A2 W/ROPS (2320-01-264-4819) TRUCK, UTILITY: 1/4-TON, 4X4, M151A1C (2320-00-763-1091), M825 (2320-00-177-9257), 106MM RECOILLESS RIFLE TRUCK, AMBULANCE, FRONTLINE: 1/4-TON, 4X4, M718 (2310-00-782-6056), M718A1 (2310-00-177-9256), November 1998, 616 pages DIRECT AND GENERAL SUPPORT MAINTENANCE MANUAL TRUCK, CARGO; 1-1/4 TON, 4X4 M880 (2320-00-579-8942) M881 (2320-00-579-8943) M882 (2320-00-579-8957) M883 (2320-00-579-8959) M884 (2320-00-579-8985) M885 (2320-00-579-8989) TRUCK, CARGO; 1-1/4 TON, 4X2 M890 (2320-00-579-8991) M891 (2320-00-579-9046) M892 (2320-00-579-9052) TRUCK, AMBULANCE; 1-1/4 TON, 4X4 M886 (2310-00-579-9078) TRUCK, AMBULANCE; 1-1/4 TON, 4X2 M893 (2310-00-125-5679) TRUCK, TELEPHONE MAINTENANCE; 1¼-TON, 4X4 M888 (NSN 2320-01-044-0333), April 1986, 291 pages TECHNICAL BULLETIN COLOR, MARKING AND CAMOUFLAGE PATTERNS USED ON MILITARY EQUIPMENT, June 1980, 163 pages INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2493/VRC (NSN 5895-01-216-9745) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-87/88/89/90/91&92 SERIES INTO TRUCK, UTILITY, TACTICAL, 3/4 TON, 4X4, M1009, September 1993, 50 pages INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2311/VRC (NSN 5895-01-216-9744) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-89/91/92 SERIES INTO TRUCK, UTILITY, TACTICAL, 3/4 TON, 4x4, M1009, September 1993, 42 pages INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2313/VRC (NSN 5895-01-216-9743) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-87/88/90 SERIES IN A TRUCK, CARGO, TACTICAL, 1 1/4 TON, 4x4, M1008A1, August 1999, 28 pages INSTALLATION INSTRUCTIONS FOR INSTALLATION KIT, ELECTRONIC EQUIPMENT, MK-2314/VRC (NSN 5895-01-216-9748) (EIC: N/A) TO PERMIT INSTALLATION OF RADIO SET AN/VRC-89/91/92 SERIES IN A TRUCK, CARGO, TACTICAL, 1 1/4 TON, 4x4, M1008A1, August 1999, 40 pages

3 wire alternator diagram: Small AC Generator Service Manual , 1986

3 wire alternator diagram: The National Engineer , 1924 Vols. 34- contain official N.A.P.E. directory.

3 wire alternator diagram: The Electrician , 1899

3 wire alternator diagram: Car PC Hacks Damien Stolarz, 2005-07-27 A car PC or carputer is a car tricked-out with electronics for playing radio, music and DVD movies, connecting to the Internet, navigating and tracking with satellite, taking photos, and any electronic gadget a person wants in a car. All these devices are managed and controlled through a single screen or interface. The only place car PC enthusiasts can go for advice, tips and tools is a handful of hard-to-find Web sites--until now. Car PC Hacks is your guide into the car PC revolution. Packing MP3 players, handheld devices, computers and video-on-demand systems gives you a pile too heavy to carry. But add a car and put them together, you've got a powerful and mobile multimedia center requiring no lifting. The next time you give kids a lift, you won't hear, Are we there yet? Instead, expect We're there already? as they won't want to leave the car while playing video games from multiple consoles. Car PC Hacks is the first book available to introduce and entrench you into this hot new market. You can count on the book because it hails from O'Reilly, a trusted resource for technical books. Expect innovation, useful tools, and fun experiments that you've come to expect from O'Reilly's Hacks Series. Maybe you've hacked computers and gadgets, and now you're ready to take

it to your car. If hacking is new and you would like to mix cars and computers, this book gets you started with its introduction to the basics of car electrical systems. Even when you're unclear on the difference between amps and watts, expect a clear explanation along with real-life examples to get on track. Whether you're venturing into car PC for the first time or an experienced hobbyist, hop in the book for a joy ride.

3 wire alternator 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, TACTICAL SKID 100 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 V (DOD MODELS MEP0 UTILITY CLASS, 50/60 HZ (NSN 6115-00-133-9101); (MODEL MEP106A) CLASS, 50/60 HZ (6115-00-133-9102) AND (MODEL MEP116A), PRECISE 400 HZ (6115-00-133-9103); INCLUDING OPTIONAL KITS (DOD MODELS MEP007AWF) WINTERIZATION KIT, FUEL BURNING (6115-00-463-9082); MEP007AWE) WINTERIZATION KIT, ELECTRIC (6115-00-463-9084); (MOD MEP007ALM) DUMMY LOAD KIT (6115-00-463-9086) AND (MODEL MEP007A MOUNTING KIT (6 013540 TM 5-6115-458-24P 9 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL, SKID MTD., 2 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS, DOD MODELS MEP009A UTILITY CLASS, 50/60 HZ (NSN 6115-00-133-9104) AND MODEL MEP108A PRECISE CLASS, 50/60 HZ (6115-00-935-8729) INCLUDING OPTIONAL K DOD MODELS MEP009AWF, WINTERIZATION KIT, FUEL BURNING (6115-00-403-3761), MODEL MEP009AWE, WINTERIZATION KIT, ELECTRIC (6115-00-489-7285) 013545 TM 5-6115-465-12 19 GENERATOR DIESEL ENGINE DRIVEN, TACTICAL SKID MTD, 30 KW, 3 PHASE, 4 WIRE 120/208 AND 240/416 V (DOD MODEL MEP-005A), UTILITY CLASS, 50/6 (NSN 6115-00-118-1240), (MODEL MEP-104A), PRECISE CLASS, 50/60 (6115-00-118-1247), (MODEL MEP-114A), PRECISE CLASS, 400 HZ (6115-00-118-1248) INCLUDING AUXILIARY EQUIPMENT (DOD MODEL MEP WINTERIZATION KIT, FUEL BURNING (6115-00-463-9083), (MODEL MEP- WINTERIZATION KIT, ELECTRIC (6115-00-463-9085), (MODEL MEP-005A LOAD BANK KIT (6115-00-463-9088) AND (MODEL MEP-005AWM), WH 013547 TM 5-6115-465-34 12 GENERATOR SET, DIESEL ENGINE DRIVEN, TACTIC SKID MTD, 30 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 V (DOD MO MEP-005A), UTILITY, 50/60 HZ (NSN 6115-00-118-1240), (MODEL MEP-104A), PRECISE, 50/60 HZ (6115-00-118-1247), (MODEL MEP-114 PRECISE, 50/60 HZ (6115-00-118-1248) INCLUDING OPTIONAL KITS (MODEL MEP-005AWF) WINTERIZATION KIT, FUEL BURNING (6115-00-463 (MODEL MEP-005AWE) WINTERIZATION KIT, ELECTRIC (6115-00-463-908 (MODEL MEP-005ALM) LOAD BANK KIT (6115-00-463-9088) (MODEL MEP- WHEEL MOUNTING KIT (6115-00 013548 TM 5-6115-545-12 18 GENERATOR DIESEL ENGINE DRIVEN, TACTICAL SKID MTD., 60 KW, 3 PHASE, 4 WIR 120/208 AND 240/416 VOLTS, DOD MODEL MEP-006A, UTILITY CLASS, 5 (NSN 6115-00-118-1243) DOD MODEL MEP-105A, PRECISE CLASS, 50/60 (6115-00-118-1252) DOD MODEL MEP-115A, PRECISE CLASS, 400 HZ (6115-00-118-1253) INCLUDING OPTIONAL KITS, DOD MODEL MEP006AWF

WINTERIZATION KIT, FUEL BURNING (6115-00-407-8314) DOD MODEL MEP006AWE,
 WINTERIZATION KIT, ELECTRIC (6115-00-455-7693) DOD M MEP006ALM, LOAD BANK KIT
 (6115-00-407-8322) DOD MODEL MEP006 013550 TM 5-6115-545-34 12 INTERMEDIATE (FIELD)
 (DIRECT AND GENERAL SUPPORT) AND DEPOT MAINTENANCE MANUAL FOR GENERATOR
 SET, DIESEL ENGINE DRIVEN, TAC SKID MTD., 60 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416
 VOLTS DOD MODELS MEP-006A, UTILITY CLASS, 50/60 HZ (FSN 6115-118-1243 MEP-105A,
 PRECISE CLASS, 50/60 HZ (6115-118-1252) AND MEP-115A, PRECISE CLASS, 400 HZ
 (6115-118-1253) {TO 35C2-3-444-2; NAVFAC P-8-626-34; TM 00038G-35} 015378 TM
 5-6115-323-14 10 GENERATOR GASOLINE ENGINE DRIVEN, SKID MOUNTED, TUBULAR FRAME,
 1.5 KW, SI PHASE, AC, 120/240 V, 28 V, DC (LESS ENGINE) (DOD MODELS MEP-01 60 HZ (NSN
 6115-00-889-1446) AND (MODEL MEP-025A) 28 V DC (6115-00-017-8236) {TO 35C2-3-385-1}
 015380 TM 5-6115-332-24P 3 GENERATOR GASOLINE ENGINE: AIR COOLED, 5 KW, AC, 120/240
 V, SINGLE PHASE; 120/208 V, 3 PHASE, SKID MOUNTED, TUBULAR FRAME (LESS ENGINE) M
 DESIGN: 60 HZ (DOD MODEL MEP-017A) (NSN 6115-00-017-8240); 400 (DOD MODEL MEP-022A)
 (6115-00-017-8241) {TO 35C2-3-424-24} 020611 LO 5-6115-457-12 GENERATOR SET, DIESEL
 ENGINE DRIVEN; SKID MTD, 100 KW, 3 PHASE, 120/208 AND 240/416 V (DOD MODELS
 MEP-007A), UTILITY CLASS, 50/ (NSN 6115-00-133-9101); (MODEL MEP-106A) PRECISE CLASS,
 50/60 H (6115-00-133-9102) AND (MODEL MEP-116A), PRECISE CLASS, 400 HZ
 (6115-00-133-9103) 020612 LO 5-6115-458-12 GENERATOR SET, DIESEL ENGINE DRIVEN, SKID
 MTD, 200 KW, 3 PHASE, 4 WIRE, 120/208/416 VOLTS, DOD MODELS MEP-009A, UTILITY CLASS,
 50/60 HERTZ (NSN 6115-00-133-9104), MEP-108A, PRECISE CLASS, 50 HERTZ
 (6115-00-935-8729) {LO 07536A-12} 020614 LO 5-6115-465-12 GENERATOR SET, DIESEL ENGINE
 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-320B0-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 H 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)

3 wire alternator diagram: *Industrial Engineering* George Worthington, 1901

3 wire alternator diagram: **MOS 63W Wheel Vehicle Repairer, Skill Level I.** , 1985

3 wire alternator diagram: *Motorcycle Electrical Systems* Tracy Martin, 2007

3 wire alternator diagram: English Mechanics , 1928

3 wire alternator diagram: **Intermediate (field) (direct and General Support) and Depot Maintenance Manual** , 1990

3 wire alternator diagram: *Aircraft Electricity and Electronics, Seventh Edition* Thomas K. Eismen, 2019-02-01 Two books in one! Up-to-date coverage of electrical and electronics systems for all types of aircraft -- plus a full student study guide This thoroughly revised guide offers

comprehensive explanations of the theory, design, and maintenance of current aircraft electrical and electronics systems. In-depth details on AC and DC systems for all varieties of aircraft—including the newest models—are provided, along with improved diagrams and helpful troubleshooting techniques. You will get complete coverage of cutting-edge topics, including digital control systems, digital data transfer methods, fiber-optic technology, and the latest flight deck instrumentation systems. A student study guide is also included, featuring a workbook with hundreds of multiple-choice, fill-in-the-blank, and analysis questions. Aircraft Electricity and Electronics, Seventh Edition, covers:

- Aircraft storage batteries
- Electric wire and wiring practices
- Alternating current
- Electrical control devices
- Digital electronics
- Electric measuring instruments
- Electric motors, generators, alternators, and inverters
- Power distribution systems
- Design and maintenance of aircraft electrical systems
- Radio theory
- Communication and navigation systems
- Weather warning and other safety systems

3 wire alternator diagram: [Canadian Electrical News](#) , 1897

3 wire alternator diagram: **Operator and Organizational Maintenance Manual: Landing Craft, Mechanized, Steel, DED, Overall Length 74-feet, MOD 1, Mark VIII, Navy Design LCM-8, Hull Numbers 8500 thru 8560 and 8580 thru 8618** ,

3 wire alternator diagram: **Practical Engineer** , 1912

3 wire alternator diagram: **Power System Analysis** N. V. Ramana, 2011 Power System Analysis is a comprehensive text designed for an undergraduate course in electrical engineering. Written in a simple and easy-to-understand manner, the book introduces the reader to power system network matrices and power system steady-state stability analysis. The book contains in-depth coverage of symmetrical fault analysis and unbalanced fault analysis; exclusive chapters on power flow studies; a comprehensive chapter on transient stability; precise explanation supported by suitable examples and is replete with objective questions and review questions.

3 wire alternator diagram: [NASA Contractor Report](#) , 1971

3 wire alternator diagram: **The Engineer** , 1906

3 wire alternator diagram: *Electrical Circuits and Machinery* John Harold Morecroft, Frederick William Hehre, 1924

3 wire alternator diagram: *Alternating currents* John Harold Morecroft, Frederick William Hehre, 1924

3 wire alternator diagram: [Basic Electrical Engineering](#) Mehta V.K. & Mehta Rohit, 2008 For close to 30 years, [Basic Electrical Engineering] has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Additional Resources

A place to share knowledge and better understand the world

Quora is a place to gain and share knowledge. It's a platform to ask questions and connect with people ...

1967 Cougar Charging System – Mercury Cougar Owners

Figure 3 Alternator Wiring Diagram Circuit Color Description 35 White F – Field, connects to voltage regulators F terminal 38 (37?) Black Black-Yellow ... 3 wire plug that plugs into the ...

Instruction Sheet 10511625 19JL13 C/P30502 REV3

3 5 6 8 7 I + ___ V A Wiring Schematic 7. Reassemble alternator stud connector to alternator stud and inside of output (BAT) terminal with nuts removed earlier. Be sure (BAT) terminal is ...

AGN 046 Alternator Operating Voltages - STAMFORD | AvK

AGN 046 – Alternator Operating Voltages ACCEPTABLE VOLTAGE RANGES Alternators incorporate a stator winding that is designed to optimise the available active materials against ...

Note 3-1 System Overview – Ford Powerstroke Diesel Forum

Nov 2, 2020 · 3-1 Excursion, Super Duty Series, F-250, F-350, F-450, F-550 '02 Note All wiring connections between components are shown exactly as they exist ... For example, a 4-foot ...

Alternator Conversion – Moss Motors

3/4" wide belt but can be used with our 3/8" belt conversion 837-508 and other pulleys. The alternator in this kit has been modified to suit this installation. If you ever need a replacement ...

How to Wire Powermaster 1-wire Alternators on Race Cars ...

to operate. The plug-in on alternator is NOT used. • Dash mounted Volt Gauges still function with a 1-wire hook up because they Read Voltage from Switch and Fuse Panel. • Connect proper ...

Electrical Wiring Diagrams – JagRepair.com

Wire Length Wire length (where stated) is in millimeters and appear directly below the color code for each wire. Wire length values are displayed for LHD vehicles only, values for RHD ...

1-WIRE ALTERNATOR INSTALLATION INSTRUCTIONS - Tuff ...

It is very important to use the correct wire size to connect the alternator to the battery. A wire size too small can allow the wire to overheat, melt the insulation and cause a fire or worse. ...

'55 (12v) and '56-'57 Thunderbird Generator - Alternator ...

Yellow/Black wire) from regulator and add it to the "BAT" terminal connection point on regulator. Cut the small Yellow/Black wire from the terminal, just mounted, and strip the wire coating off ...

8N Wiring Diagrams, by Jim Lawrence - N Tractor Club

8N Wiring Diagrams, by Jim Lawrence I was having a very difficult time wiring my tractor, as most of the diagrams available do NOT show what terminals

12-Volt Alternator Installation & Operation Manual - Balmar

Feb 12, 2016 · 6. Connect the output cable (see cable sizing recommendations below) ground, field wire, stator (tach) wire if needed and other necessary wiring. Connect alternator to ...

Installation guide - MAHLE Aftermarket

3.6 Make sure that the vehicle body and engine are properly earthed. 3.7 Tighten the xing bolts on the alternator evenly and to the correct tightening torque. 3.8 Tension ...

SWP 118031 Diesel Tachometer Installation Instructions

Diesel/Alternator Tachometer 3-3/8" & 5" 1 PRECAUTIONS: Read ALL instructions before installing instrument. Follow ALL safety precautions when working on vehicle-wear ... 3. Using ...

WIRING INSTRUCTIONS - Powermaster Motorsports

GM CS130/121 Alternator (One Wire or OE Hookup) Tech Dept. (630) 957-4019

Tech@powermasterperformance.com Optional Charge Indicator Light Function: Your ...

Auxiliary Power Unit EditionTriPac® Envidia™ - Thermo King

RevisionB November2020 TTKK5566445599--1199--IIMM--EENN AuxiliaryPowerUnitEdition

TriPac®Envidia™™ AuxiliaryHeatingandCoolingTemperatureManagement System ...

Classic Update Series - American Autowire

the use of a stock (original) alternator. it is designed for use with an internally regulated gm "si" style or single wire style alternator. adapters (which are not included with this kit) that are ...

Technical Service Bulletin

Wire alternator per (Fig 3) Note: This wiring is most commonly found on Volvo vehicles. Remote voltage sense alternators: The three wires connected to the alternator are the positive, ...

ALTERNATOR WIRING INSTRUCTIONS Tech Dept. These ...

solid alternator ground. Always add an 8 gauge ground lead from the alternator housing to engine block. Battery must have a clean ground to engine block. Wire Connections: Be sure all ...

Common 12-Lead Generator Wiring Diagrams - TractorByNet

Common 12-Lead Generator Wiring Diagrams Series Wye (416/480V 3Ø) Voltage L-L: 416/480V Voltage L-N: 240/277V Voltage CT – N: 120/139V Parallel Wye (208/240V 3Ø)

Installation Instructions Tachometer 3-3/8" - Stewart Warner

Recommended panel cut-out (hole size) for 3-3/8" tachometer is 3-3/8". Secure the tachometer in the hole using the supplied bracket and nuts. Be sure to wire the tachometer before mounting. ...

Policy on Distribution of Component Drawings - Seaboard...

the 12V 160A Delco Remy 24SI 3-wire alternator. The 22SI alternator is set to be obsolete in Cummins systems in the 3rd quarter of 2007. The 24SI alternator has been released as a ...

WIRING INSTRUCTIONS - Powermaster Motorsports

GM SI Alternator (One Wire or OE Hookup) Tech Dept. (630) 957-4019

Tech@powermasterperformance.com Replaces these OEM Alternators GM 10DN Externally ...

WIRING INSTRUCTIONS - Powermaster Motorsports

STEP 3: Select Your Charge Wire Select the correct charge wire gauge based on amp load and wire length. Questions? Call or e-Mail Powermaster's Tech Line! ... Alternator Pulley Diam. ...

INSTRUCTION SHEET - Summit Racing Equipment

ZÓlçÚ•Ö²|+°è 5þV 1éäü 4 8¥Ø@ñH çYù|c g# \$|×æP„ðR —□ë.k^KÛ a”“ß/ ô# ùP rç´?§ Ö,£f]Y¶ c”
ä„C«¥(“~zI¶ ásYU-J)%a²‡± ZL * gügÔé~GzYðð dÄA\$-ê xÑp5"... n5ýÜ-'v{...%Ö~fX” á #i“ > Ýü÷ð\ ...

INSTRUCTION SHEET 10513391 - Elreg

24SI ALTERNATOR INSTRUCTIONS FOR REPLACING DELCO REMY 21SI, 22SI, 23SI AND 24SI ALTERNATORS ...  Cut lead, strip insulation 1/4-3/8", insert wire into appropriate ...

Battery Disconnect Switch WIRING DIAGRAM

%PDF-1.4 % $\text{\AA}$ 85 0 obj > endobj xref 85 45 0000000016 00000 n 0000001628 00000 n 0000001771 00000 n 0000002383 00000 n 0000002808 00000 n 0000002856 00000 n ...

HISTORICAL LUCAS ALTERNATOR REGULATOR & ...

In this regulator, on the voltage sensing coil, as the copper wire heats up its resistance increases. This would increase the dynamo or alternator's output voltage with heating (because the ...

51 Ford 8N 6 to 12 Volt Conversion - N Tractor Club

Page-1 contains a basic ladder diagram showing the circuit in a simple form. The numbers on most wires that are in close ... The wiring is #16 AWG and #12 AWG stranded automotive type ...

WIRING INSTRUCTIONS - Powermaster Motorsports

causes voltage spikes that will damage the alternator. DO NOT EXCEED 18,000 ALTERNATOR SHAFT RPM (See Catalog pg.45 for more info) FAILURE TO FOLLOW THESE ...

Document - s3cf792cad773e861.jimcontent.com

M OVERALL ELECTRICAL WIRING DIAGRAM 34 2 1 3 RX 300 2 ACC IG1AM1 4 ST1 IG2 ST2 AM2 1C 6 R-Y 1A 1 3 140A ALT R-Y 1 2 5 3 1J 4 EA Engine compartment right 12 EC1 2 1 A ...

INSTALLATION AND OPERATION MANUAL - Balmar

isolator is used, the power wire must be connected to the battery side of the battery isolator. Power Wire is equipped with 10-amp ATC type fuse. The Power Wire must be fused to ensure ...

ENGINE ALTERNATOR - Briggs & Stratton

1 Black Wire Since 1989 Alternator outside the flywheel 0.5 Amp DC unregulated Output @ 2800 rpm Engine 104700 130000 494254 Red Connector 1 Black Wire Since 1988 1.2 Amp DC ...

WIRING DIAGRAM - Allstar Performance

We recommend the use of a single wire alternator to simplify installation. Connections The larger 3/8" terminals are for main battery to starter connections only. The smaller 10-32 studs provide ...

Schematic Of A 3 Wiring Alternator Diagrams

working with electro-hydraulic. chevy e wire alternator wiring diagram. points. the battery to the alternator power wire, the engine to chassis I understand how to wire up the 3 wire alternator. ...

Wiring Diagrams for Ford Tractors - Fordson Tractor Pages

SINGLE WIRE ALTERNATOR ... Electrical System Wiring Diagram 6- Volt Positive Ground Secondary M"re Coil To Distributor High Tension Distributor Spark Plug M"res Spark Plugs ...

Issue no. 06/2019: Alternators with an S terminal - MAHLE ...

Figure 3: Alternator with an S terminal Figure 2: Wiring diagram of an alternator with connections for the battery sensor (S), speed signal (W), continuous plus (B+) and ground (B-), and ...

Cat No. 8603 with Alternator Field Disconnect BATTERY ...

DIAGRAM #3 2 Switches 2 Engines Port Engine2 Engine Batteries and separate ... DIAGRAM #4 - ALTERNATOR FIELD DISCONNECT ... explained below. A.Use minimum 14 AWG wire, ...

1 Wire Alternator Instructions - Summit Racing Equipment

2 - Disconnect all wire connections from the alternator and label wires for future replacement. 3 - Remove alternator belt(s). 4 - Loosen alternator mounting and tension arm bolts. 5 - Hold the ...

Mopar Performance Electronic Ignition Kit Instructions

1. Reconnect the five wire connector. 4. Remove the two connectors from the ballast resistor. Note that in each of the connectors there are two terminals. On one connector, there is usually ...

Holley Alternator Kits

alternator is included. For those choosing their alternator, the part numbers in BLUE are your choices and will need to be purchased in addition to your 97-409 bracket kit. Alternator ...

[Delco-Remy CS-130 Type Alternator Service Manual - Diesel...](#)

alternator, the CS-121 and CS-130 may be used with only two wires connected to the alternator. The output wire to the battery positive, and an "L" terminal wire connected to the charge ...

Replacement Alternator Wiring Instructions

- Install the replacement WOSP AC Style alternator
- Connect the wire labelled B+ to the B+ Terminal on the rear of the Denso AC style alternator
- Connect the wire labelled F+ to the D+ ...

[DynaForce™ 120 and 160 Amp Alternators - Holley.com](#)

The MSD DynaForce Alternator is designed as a self exciting, or one-wire alternator. That means there is only one connection necessary, from the battery positive terminal to the charge ...

[Model No. LR3D-14 and LR3D-28 Linear Regulator - B&C ...](#)

May 13, 2020 · terminals, according to the wiring diagram on page E-1. Be certain to establish ground connections to both terminal #7 and the threaded ground stud located below the ...

ALTERNATOR P/N 197-300 & 197-301 - Holley.com

Mar 21, 2013 · in-line on this wire. Holley's part # 197-400 already has the resistor in line. HELPFUL HINT: The rear alternator housing can be rotated relative to the front housings. If ...

3 Wire Alternator Diagram

3 Wire Alternator Diagram

Related Articles

- [3 way lamp switch wiring diagram](#)

- [3 way reconciliation accounting](#)
- [3 wire trailer lights diagram](#)

[Back to Home](#)