

cat 3126 valve adjustment procedure

Cat 3126 Valve Adjustment Procedure cat 3126 valve adjustment procedure is a critical maintenance task essential for ensuring optimal engine performance, fuel efficiency, and longevity of your Caterpillar 3126 engine. Proper valve adjustment helps maintain the correct valve clearance, preventing issues such as misfiring, reduced power, increased fuel consumption, and potential engine damage. Whether you're a professional mechanic or a dedicated do-it-yourself enthusiast, understanding the correct steps and tips for the Cat 3126 valve adjustment procedure is vital to keep your engine running smoothly. ---

Understanding the Caterpillar 3126 Engine and Its Valve System Overview of the Caterpillar 3126 Engine

The Caterpillar 3126 is a popular, reliable diesel engine widely used in trucks, marine applications, and heavy machinery. Known for its durability and power, the engine features a four-stroke cycle with overhead valves (OHV) and a series of components designed for ease of maintenance.

Importance of Valve Adjustment in the 3126

Valve adjustment ensures the correct clearance between the valve stem and rocker arm or camshaft, which is crucial for:

- Proper combustion
- Efficient air intake and exhaust
- Minimizing valve train wear
- Preventing valve burning or sticking

Incorrect valve clearances can lead to engine knocking, reduced performance, and increased emissions.

-- Tools and Materials Needed for the Valve Adjustment

Before starting the procedure, gather the necessary tools and materials:

- Socket set and wrenches
- Feeler gauge set
- Screwdriver or valve adjusting tool
- Torque wrench
- Clean rags
- Engine oil or lubricant
- Service manual for specifications
- Safety gear (gloves, eye protection)

--- Preparing for the Valve Adjustment Procedure

Safety Precautions

- Ensure the engine is turned off and cooled down to prevent burns.
- Disconnect the battery to avoid accidental cranking.
- Work in a well-ventilated area.

2 Initial Inspection

- Check for oil leaks, damaged parts, or signs of wear.
- Ensure the engine oil level is adequate and clean.
- Remove engine covers or components obstructing access to the valve cover.

--- Step-by-Step Guide to Cat 3126 Valve Adjustment

1. Access the Valve Cover

- Remove the engine's valve cover bolts using the appropriate socket.
- Carefully lift the valve cover, noting any gasket or sealant that may need replacing.

2. Rotate the Engine to Top Dead Center (TDC)

- Locate the timing mark on the crankshaft pulley.
- Use a wrench to rotate the crankshaft clockwise until the No. 1 cylinder is at TDC on the compression

stroke. - Confirm TDC by aligning timing marks or observing the piston position through the inspection port. 3. Identify the Cylinder for Adjustment - Typically, the No. 1 cylinder is adjusted first. - Ensure the engine is at TDC for the cylinder being adjusted. 4. Check and Adjust Valve Clearance - Use a feeler gauge to measure the gap between the rocker arm and valve stem. - Compare the measurement to the specifications provided in the Caterpillar 3126 service manual. - If the clearance is outside the specified range: - Loosen the adjusting screw or nut. - Turn the screw to set the correct clearance. - Tighten the locknut or screw securely. 5. Repeat for All Cylinders - Rotate the engine to the next cylinder's TDC position. - Repeat the measurement and adjustment process for each cylinder as per manufacturer specifications. 6. Reinstall the Valve Cover - Replace the gasket if necessary. - Reinstall and tighten the valve cover bolts in an even pattern to prevent leaks. - Use a torque wrench to tighten bolts to the specified torque. 7. Final Checks - Reconnect the battery. - Start the engine and listen for unusual noises. - Observe engine operation for smooth running. - Recheck the valve clearances after the engine has run for a few minutes, as components may settle. --- Tips for a Successful Valve Adjustment - Always refer to the Caterpillar 3126 service manual for specific clearance measurements. - Perform the adjustment on a cold engine for accurate readings. - Use high-quality feeler gauges to ensure precise measurement. - Keep the work area clean to prevent debris from contaminating engine components. - Double-check all fasteners for proper torque. --- Common Issues and Troubleshooting - Incorrect Valve Clearance: Leads to engine knocking, misfiring, or poor performance. - Difficulty in Accessing Valves: Use appropriate tools or remove additional components for better access. - Leaks after Reassembly: Check gasket seating and torque bolts properly. -- Benefits of Proper Cat 3126 Valve Adjustment - Ensures optimal engine power and efficiency - Extends the lifespan of valve train components - Reduces fuel consumption and emissions - Prevents costly repairs caused by valve damage --- Conclusion Maintaining the correct valve clearance in your Caterpillar 3126 engine through a proper valve adjustment procedure is essential for reliable operation and longevity. Although it requires some mechanical skill and attention to detail, following the outlined steps ensures your engine runs smoothly and efficiently. Regular valve adjustments, combined with other maintenance practices, will keep your Caterpillar 3126 engine performing at its best for years to come. Always consult the official Caterpillar service manual for specific specifications and torque settings to guarantee the best results. Question Answer What are the key steps involved in adjusting the valves on a Cat 3126 engine? The key steps include removing the valve cover, rotating the engine to the proper timing position, measuring valve clearances with a feeler gauge, adjusting the valves by tightening or loosening the adjusting screws, and then reassembling the valve cover securely. How often should I perform a

valve adjustment on a Cat 3126 engine? It is generally recommended to check and adjust the valves every 1000 to 2000 hours of operation or during scheduled major maintenance, but always refer to the specific service interval outlined in the manufacturer's manual.

4 What tools are necessary for a proper Cat 3126 valve adjustment? Essential tools include a torque wrench, feeler gauges, a socket set, screwdrivers, and possibly a timing tool or engine turner to rotate the engine to the correct position. What are the common signs indicating that a Cat 3126 valve adjustment is needed? Signs include unusual engine noise such as tapping or ticking sounds, rough engine operation, loss of power, increased fuel consumption, or difficulty starting the engine. Are there specific valve clearance specifications for the Cat 3126 engine? Yes, the exact valve clearance specifications can vary depending on the model and application, but typically they are around 0.012 to 0.016 inches for intake and exhaust valves. Always consult the official service manual for precise measurements. Can I perform the Cat 3126 valve adjustment myself, or should I hire a professional? While experienced individuals with mechanical skills can perform the adjustment, it is recommended to have a trained technician do it to ensure proper procedure and avoid engine damage, especially if you are unfamiliar with engine tuning. What are the consequences of neglecting valve adjustments on a Cat 3126 engine? Neglecting valve adjustments can lead to decreased engine performance, increased wear and potential damage to valves and pistons, higher fuel consumption, and ultimately costly repairs if left unaddressed.

Cat 3126 Valve Adjustment Procedure: A Comprehensive Guide for Optimal Engine Performance

The Cat 3126 engine, renowned for its durability and efficiency, remains a popular choice in various heavy-duty applications—from trucks and buses to industrial equipment. Central to maintaining its performance and longevity is the precise adjustment of its valves. Proper valve clearance ensures optimal combustion, fuel efficiency, and reduces the risk of engine damage. This article provides a detailed, step-by-step guide on the Cat 3126 valve adjustment procedure, supplemented by technical insights and best practices to help technicians, operators, and enthusiasts achieve the best results.

--- Understanding the Cat 3126 Engine and Its Valve System

Before delving into the adjustment process, it's essential to understand what makes the Cat 3126 engine unique and how its valve system functions.

Engine Overview

The Caterpillar 3126 is a six-cylinder, four-stroke diesel engine designed for heavy-duty applications. It features a turbocharged and aftercooled design, offering a balance between power output and fuel economy. Its modular design allows for relatively straightforward maintenance, including valve adjustments.

Cat 3126 Valve Adjustment Procedure

5 **Valve Configuration and Components**

The engine utilizes overhead valves (OHV) with a gear-driven camshaft that operates rocker arms. The key components involved in valve operation include:

- Valves (intake and exhaust): Control airflow into and out of

the combustion chamber. - Valve springs: Return the valves to closed position after opening. - Rocker arms: Transfer camshaft motion to open/close valves. - Valve lifters and pushrods: Transmit camshaft movement to rocker arms. - Camshaft: Drives the entire valve timing sequence. Proper valve clearance ensures that the valves open fully during operation without remaining slightly closed or excessively open, which could impact engine efficiency and lifespan. --- Importance of Valve Adjustment in the Cat 3126 Regular valve adjustments are critical for several reasons: - Maintains optimal compression: Correct valve clearance ensures the combustion chamber seals properly, maintaining compression. - Prevents valve and seat damage: Loose valves can cause piston-valve contact, leading to severe engine damage. Too tight valves may cause excessive wear. - Ensures smooth engine operation: Proper clearance reduces noise, vibration, and ensures consistent engine performance. - Optimizes fuel efficiency: Proper valve timing and clearance improve combustion efficiency. - Reduces emissions: Properly adjusted valves help maintain the engine's emission standards. Neglecting valve adjustments can lead to decreased performance, increased fuel consumption, and costly repairs. --- Tools and Materials Needed A successful valve adjustment requires specific tools and materials: - Socket set and wrench set - Feeler gauge set (preferably metric for Cat engines) - Torque wrench (if specified for valve cover bolts) - Screwdrivers - Pry bar or camshaft locking tool (if required) - Engine oil and filter (for after adjustment checks) - Service manual or manufacturer specifications - Clean rags or shop towels Having these tools prepared beforehand helps streamline the process and ensures accuracy. --- Preparation Steps Before Adjustment Proper preparation is vital to achieve accurate valve clearance measurements. 1. Safety Precautions - Ensure the engine is turned off and cooled down to prevent burns or injuries. - Disconnect the battery to avoid accidental engine startup. - Work in a well-ventilated area with appropriate personal protective equipment. Cat 3126 Valve Adjustment Procedure 6 2. Accessing the Valves - Remove the engine covers or any components obstructing access to the valve cover. - Drain engine oil if necessary, especially if removal of the valve cover involves oil spillage. 3. Cleaning the Area - Clean around the valve cover to prevent debris from entering the combustion chamber during removal. - Inspect the valve cover gasket and replace if damaged. 4. Consulting Manufacturer Specifications - Obtain the service manual for the specific model and serial number. - Note the specified valve clearance values for intake and exhaust valves, typically expressed in millimeters or inches. For the Cat 3126, common specifications are approximately 0.20-0.25 mm (0.008-0.010 inches) for intake and 0.30-0.35 mm (0.012-0.014 inches) for exhaust, but these can vary. --- Step-by-Step Valve Adjustment Procedure This section provides a detailed sequence to adjust the valves correctly. 1. Remove the Valve Cover - Loosen the bolts securing the valve cover in a crisscross pattern to

prevent warping. - Carefully lift the cover away, taking care not to damage the gasket or disturb the valve train. 2. Rotate the Engine to the Correct Position - Use a socket wrench on the crankshaft pulley bolt. - Turn the engine clockwise until the piston for the cylinder you are adjusting reaches Top Dead Center (TDC) on the compression stroke. - Confirm TDC by observing the position of the timing marks or by aligning the timing dots if available. - Ensure the camshaft is in the correct position, which can be verified by the alignment of camshaft timing marks or by observing the position of the rocker arms. 3. Identify the Correct Cylinder to Adjust - Usually, you start with cylinder 1 and proceed sequentially. - Use the service manual to identify the firing order and TDC position for each cylinder. Cat 3126 Valve Adjustment Procedure 7 4. Measure Valve Clearance - Insert the appropriate feeler gauge between the rocker arm and the valve stem. - Gently slide the gauge in and out; it should slide with slight resistance. - Check the clearance against the specifications. - If adjustment is needed, proceed to the next step. 5. Adjust the Valve Clearance - Loosen the lock nut on the rocker arm or adjusting screw. - Turn the adjusting screw to increase or decrease clearance. - Tighten the lock nut while holding the adjusting screw to prevent movement. - Recheck clearance after tightening to ensure it remains within specification. 6. Repeat for All Valves - Move to the next cylinder, repeating the TDC positioning and measurement process. - Ensure all valves are correctly adjusted according to specifications. 7. Reassemble Components - Once all valves are adjusted, replace the valve cover gasket or install a new gasket. - Carefully position the valve cover and tighten bolts in a crisscross pattern to prevent warping. - Reinstall any other components removed during disassembly. 8. Final Checks and Engine Startup - Reconnect the battery. - Start the engine and listen for unusual noises. - Check for oil leaks around the valve cover. - Let the engine reach normal operating temperature, then recheck valve clearances if specified by the manufacturer. --- Additional Considerations and Best Practices - Engine Temperature: Always perform valve adjustments on a cooled engine to prevent inaccurate clearance readings caused by thermal expansion. - Precision in Measurement: Use high-quality feeler gauges and ensure they are clean and undamaged. - Document Adjustments: Keep records of valve clearance measurements and adjustments for maintenance logs. - Periodic Maintenance: The frequency of valve adjustments for the Cat 3126 typically ranges from 150,000 to 300,000 miles or as specified by the manufacturer, but always refer to the service manual. - Use of Locking Mechanisms: Some models may require special tools or locking mechanisms to hold the camshaft or rocker arms in position during adjustment. --- Cat 3126 Valve Adjustment Procedure 8 Common Challenges and Troubleshooting - Difficulty in Accessing Valves: Use specialized tools or extensions to reach tight spaces. - Incorrect Valve Clearance Readings: Ensure the engine is at the correct TDC position and that the feeler

gauge fits properly. - Persistent Engine Noise: Excessive noise after adjustment may indicate over-tightening or incorrect clearance; recheck measurements. - Leaks or Oil Drips: Confirm that the valve cover gasket is properly seated and sealed. --- Conclusion: Ensuring Longevity and Performance The valve adjustment procedure for the Cat 3126 engine, when performed meticulously, significantly contributes to the engine's longevity, efficiency, and performance. Regular maintenance aligned with manufacturer specifications helps prevent costly repairs and ensures the engine operates smoothly under demanding conditions. While the process may initially seem intricate, adherence to detailed steps, proper tools, and a thorough understanding of the engine's mechanics empower technicians and operators alike to maintain their Cat 3126 engines effectively. By integrating routine valve adjustments into the maintenance schedule, users can sustain optimal engine health, reduce downtime, and maximize the return on their investment in heavy-duty machinery. cat 3126 valve adjustment, valve clearance, engine maintenance, diesel engine service, valve lash, engine troubleshooting, valve timing, engine repair, CAT engine specifications, valve adjustment tools

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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 tubular 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 item 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 tactical 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 module 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 kits 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 mep 007a utility class 50 6 nsn 6115 00 133 9101 model mep 106a precise class 50 60 6115 00 133 9102 and model mep 116a 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 basic items bii and additional authorization list aal for general 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 wire 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 ooo 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 ooo 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 6115 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 hydraulic 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 transortable skid mtd 750 kw 3 phase 4 wire 24 and 2200 3800 v dod model mep 208a class prime utility hz 50 nsn 6115 00 450 5881 navfac p 8 633 12 074896 tm 9 6115 604 34 generator set diesel engine driven air transportable skid mtd 750 kw 3 phase 4 wire 2400 4160 and 2200 3800 volts dod model mep 208a prime utility class 50 60 hertz nsn 6115 00 450 5881 navfac p 8 633 34 075027 tm 9 6115 584 24p 1 generator set diesel e driven tactical skid mtd 5 kw 1 phase 2 wire 1 phase 3 wir 3 phase 4 wire 120 120 240 and 120 208 volts dod model mep utility class 60 hz nsn 6115 00 465 1044 navfac p 8 622 24p to 35c2 3 456 4 077581 tm 9 6115 673 13 p 2kw military tactical generator set 120 vac 60 hz nsn 6115 01 435 1565 mep 531a eic lka nsn 6115 21 912 0393 mechron 28 vdc nsn 6115 01 435 1567 mep 501a eic lkd nsn 6115 21 912 0392 mechron 078167 tm 9 6115 672 14 generator set skid mounted tactical quiet 60kw 50 60 and 400 hz mep 806b 50 60 hz nsn 6115 01 462 0291 eic ggw mep 816b 400 hz nsn 6115 01 462 0292 eic ggx 078443 tm 9 6115 639 13 1 3kw tactical quiet generator set mep 831a 60 hz nsn 6115 01 285 3012 eic vg6 mep 832a 400 hz nsn 6115 01 287 2431 eic vn7 078490 tm 9 6115 671 14 operator unit generator set skid mounted tactical quiet 30 kw 50 60 and 400 hz mep 805b 50 60 hz nsn 6115 01 461 9335 eic ggu mep 815b 400 hz 6115 01 462 0290 eic ggv 078503 tm 9 6115 671 24p generator set skid mounted tactical quiet 30 kw 50 60 and 400 hz mep 805b 50 60 hz nsn 6115 01 461 9335 eic ggu mep 815b 400 hz nsn 6115 01 462 0290 eic ggv 078504 tm 9 6115 672 24p generator set skid mounted tactical quiet 60 kw 50 60 and 400 hz mep 806b 50 60 hz nsn 6115 01 462 0291 eic ggw mep 816b 400 hz nsn 6115 01 462 0292 eic ggx 078505 tb 9 6115 671 24 warranty program for generator set tactical

quiet 30kw 50 60 and 400 hz mep 805b and mep 815b procured under contract daak01 96 d 00620with mcii inc 078506 tb 9 6115 672 24 warranty program for generator set tactical quiet 30kw 50 60 and 400 hz mep 806b and mep 816b procured under contract daak01 96 d 00620with mcii inc 078523 tm 9 6115 664 13 p 5kw 28vdc auxiliary power unit apu mep 952b nsn 6115 01 452 6513 eic n a 078878 tm 9 6115 639 23p 3kw tactical quiet generator set mep 831a 60 hz nsn 6115 01 285 3012 eic vg6 mep 832a 400 hz nsn 6115 01 287 2431 eic vn7 079379 tb 9 6115 641 13 winterization kit nsn 6115 01 476 8973 installed on generator set skid mounted tactical quiet 5kw 60 and 400 hz mep 802a 600hz 6115 01 274 7387 mep 812a 400hz 6115 01 274 7391 079460 tb 9 6115 642 13 winterization kit nsn 6115 01 477 0564 eic n a installed on generator kit skid mounted tactical quiet 10kw 60 and 400 hz mep 803a 60hz 6115 01 275 0561 mep 813a 400hz 6115 01 274 7392 079461 tb 9 6115 643 13 winterization kit nsn 6115 477 0566 installed on generator set skid mounted tactical quiet 15kw 50 60 and 400 hz mep 804a 50 60hz 6115 01 274 7388 mep 814a 400hz 6115 01 274 7393 079462 tb 9 6115 644 13 winterization kit nsn 6115 01 474 8354 eic n a installed on generator set skid mounted 30kw 50 60 and 400 hz mep 805a 50 60hz nsn 6115 01 274 7389 mep 815a 400hz nsn 611501 274 7394 079463 tb 9 6115 645 13 winterization kit nsn 6115 01 474 8344 eic n a installed on generator set skid mounted tactical quiet 60kw 50 60 and 400 hz mep 806a 50 60hz 6115 01 274 7390 mep 816a 400hz 6115 01 274 7395 080214 tm 9 6115 670 14 p auxiliary power unit 20kw 120 240 vac 60 hz model no mep 903a sicps nsn 6115 01 431 3062 model number mep 903b jtacs nsn 6115 01 431 3063 model no mep 903c9win t nsn 6115 01 458 5329 eic n a

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