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GEN4000DF 4000 Surge Watts / 3500 Running Watts DUAL FUEL GENERATOR INSTRUCTION MANUAL READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT. This manual provides important information on proper operation & maintenance. Every effort has been made to ensure the accuracy of this manual. These instructions are not meant to cover every possible condition and situation that may occur. We reserve the right to change this product at any time without prior notice. GEN4000DF Portable Dual Fuel Engine (Propane Tank Not Included) 1 - 12V D/C Outlet 4 - 120V A/C Outlet 4 - 120V A/C Outlets 1 - 120V A/C Outlets 2 - 120V A/C Outlets 3 - 120V A/C Outlets 1 .. 4 PACKAGE CONTENTS PACKAGE CONTENTS .. ... 9 COMPONENTS ..RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS What You Need to Know About Safety Instructions Warning and Important Safety Instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand. This is the safety alert symbol. Notice Regarding Emissions: Engines certified to comply with California and U.S. EPA emission regulations for SORE (Small Off Road Equipment) are certified to operate on regular unleaded gasoline and may include the following emission control systems: Three-Way Catalyst (TWC) (if equipped), and Engine Modifications (EM). Legal Requirements: Federal and/or State Occupational Safety and Health Administration (OSHA) regulations, local codes, and/or ordinances may apply to the intended use of this generator. Usage: This generator is not intended to power sensitive electronic equipment such as TVs, DVD players, stereos, desktop computers or laptop computers without the use of an appropriate line conditioner and/or surge protector (both not included). Sensitive electronic equipment should be operated on approved inverter type generators or pure sine wave generators. For additional information consult the devices operation manual or call customer service at 1-866-460-9436 Monday - Friday, 8 AM - 4 PM Central Time. Usage: Misuse of this generator can damage it or shorten its life. Use this generator only for its intended purpose. Operate this generator only on a dry, level surface. Do not secure the generator with a chain or rope, which would prevent it from being moved in an emergency. Allow this generator to run for several minutes before connecting any electrical devices. Promptly turn off any malfunctioning devices and disconnect them. In addition to the previously described safety information, familiarize yourself with all safety and hazard placards on this generator. Verify that all items are included. STOP! If there are missing items, call 1-866-460-9436, Monday - Friday, 8 AM - 4 PM Central Time for customer service. DO NOT RETURN THIS GENERATOR TO THE RETAILER. Item List: Set of 2 DC connector wires for charging 12 Volt automotive-type batteries Spark plug wrench 5.9 Ft.GENERATOR COMPONENTS Observe the locations and functions of the various components and controls of this generator. PREPARING THE GENERATOR FOR USE Using this Generator for the First-Time STOP! The following section describes the required steps for preparing this generator and/or shorten its life. If still unsure about how to perform any of these steps after reading this section, call 1-866-460-9436 Monday. Friday, 8 AM - 4 PM Central Time for customer service. Step 2 - Add Gasoline or Connect Propane Tank Gasoline and explosive. Handling fuel can result in serious injury or burns. Do not fill the fuel tank near a heat, sparks or an open flame. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc. Do not overfill the fuel tank. Always check for fuel spills and immediately wipe them up. Spilled fuel is a fire hazard and causes environmental damage. Step 3 - Ground the Generator Failure to properly ground this generator can result in electrocution. Ground this generator by tightening the grounding nut against a grounding wire as illustrated in Figure 3. A No. 12 AWG (American Wire Gauge) stranded copper wire is generally an acceptable grounding wire. The other end of this grounding wire should be connected to a copper or brass grounding wire. flammable and explosive. Handling fuel can result in serious injury or burns. Do not fill the fuel tank near a heat, sparks or an open flame. Keep gasoline away from appliances, power tools, etc. Always allow several minutes for the engine to cool before refueling. Do not overfill the fuel tank. Always check for fuel spills and immediately wipe them up. Spilled fuel is a fire hazard and causes environmental damage. STARTING THE GENERATOR STOP! Before starting this generator, confirm that all the steps in the section titled, Preparing the Generator for Use, of this manual have been correctly completed. If unsure about how to perform any of these steps, call 1-866-460-9436, Monday - Friday, 8 AM - 4 PM Central Time for customer service. Disconnect all electrical loads from this generator before attempting to start. To start this generator USING THE GENERATOR USE THIS GENERATOR ONLY OUTDOORS IN NON-CONFINED AREAS. DO NOT SECURE THE GENERATOR WITH A CHAIN OR ROPE, AS THIS WILL MAKE IT DIFFICULT TO MOVE IN AN EMERGENCY. Keep at least several feet of clearance on all sides to allow proper ventilation for this generator. After the engine has been running for several minutes, electrical devices may be connected to this generator. AC Usage Electrical devices running on AC current may be connected according to their wattage requirements. Even though this generator has an overall rated wattage of 4000, do not attempt to draw more than 3500 Watts from the 120 Volt outlet. Draws higher than 3500 Watts will damage this generator and void the warranty. NOTE: While this generator is running, power is available from either the standard 120 Volt outlet or the 12 Volt DC outlet. Both 120 Volts and 12 Volts a several more minutes with no electrical devices connected to help stabilize the temperature of this generator. 3. If using Propane, turn the propane tank fuel valve to the off position, then turn off the engine power switch. Checking the Oil Level It is important to check the oil level in the engine crankcase before each use to ensure that there is a sufficient quantity. To check the oil level in the engine crankcase before each use to ensure that there is a sufficient quantity. To check the oil level in the engine crankcase before each use to ensure that there is a sufficient quantity. To check the oil level in the engine crankcase before each use to ensure that there is a sufficient quantity. cap. 4. Insert the dipstick as if replacing the cap and then remove again. There should be oil on the dipstick. Air Filter Maintenance Routine maintenance Routine maintenance of the air filter is free of excessive dirt. The air filter will require more frequent cleaning when operating this generator in extremely dusty areas. To clean the air filter, remove the foam filter element from the generator and wash it in warm water and household dish detergent. Thoroughly rinse and dry.STORAGE/TRANSPORT PROCEDURES Do not store gasoline for more than 3 months. Never place any type of storage cover on this generator while it is still hot. When transporting or storing this generator for extended time: Allow generator to fully cool before moving it. A hot engine and exhaust system can burn you and ignite some materials. Empty the fuel tank. (See Emptying the Fuel Tank in the Maintenance/Care section.) Turn the fuel valve to the off position. Disconnect the spark plug.TROUBLESHOOTING IMPORTANT: If trouble persists, call our customer help line at 1-866-460-9436, Monday - Friday, 8 AM - 4 PM Central Time. Symptom Engine will not start. Cause Engine is filled with contaminated and/or old gasoline. Spark plug is dirty. Spark plug is dirty. Spark plug boot is cracked. Spark plug is broken. Oil is low. Engine will not start. TROUBLESHOOTING If the engine starts and runs, but does not produce power, or power is too low. GEN4000DF Portable Dual Fuel Generator Governor screw needs adjusting. Plug in voltmeter on VAC. See what the volts are. The reading should be 110 to 120. If it is too high or too low, adjust the governor screw, which is located above the pull start (on the green metal shroud). WARNING DO NOT ADJUST THE GOVERNOR SCREW WITHOUT USING A VOLTMETER.PARTS DIAGRAM GEN4000DF Portable Dual Fuel Generator 24GEN4000DF Portable Dual Fuel Generator 25(EPA Model Generator Doesnt (EPA Model Generator 26GEN4000DF Portable Dual Fuel Generator 27GEN4000DF Portable Dual Fuel Generator 28GEN4000DF Portable Dual Fuel Generator 29GEN4000DF Portable Dual F Portable Dual Fuel Generator 30EMISSION CONTROL SYSTEM WARRANTY Your Warranty Rights and Obligations: The California Air Resources Board, U.S. EPA and Buffalo Corp are pleased to explain the Emission Control System Warranty on your 2015 model year outdoor power equipment engine. California In California, new spark-ignited small off-road equipment engines must be designed, built and equipped to meet the States stringent anti-smog standards. Other States, U.S.(3) Any warranted for the period of time before the first scheduled for replacement date for that part. If the part fails before the first scheduled replacement, the part will be repaired or replaced by Buffalo Corp. according to the Subject (4) below. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part. Page 2GEN4000DF Portable Dual Fuel Generator TABLE OF ...... 4 PACKAGE CONTENTS PACKAGE CONTENTS ......

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Checking The Oil Level ...... 19 Changing/Adding Oil .......  $\dots$  20 Emptying The Fuel Tank . Fuel Line. . 20 Spark Plug Maintenance .. ...... 22 PARTS DIAGRAM .......

replacement date for that part. If the part fails before the first scheduled replacement, the part will be repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part. (4) Repair or replacement of any warranted part under the warranty provisions herein must be performed at a warranty station at no charge to the owner. (5) Notwithstanding the provisions herein, warranty services or repair will be provided at all of our distribution centers that are franchised to service the subject engines. (6) The engine owner must not be charged for diagnostic labor that leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty of any warranted part. (8) Throughout the engine warranty period stated above, Buffalo Corp. will maintain a supply of warranted parts sufficient to meet the expected demand for such parts. (9) Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of Buffalo Corp. (10) Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of a non-exempted add-on or modified parts by the ultimate purchaser will be grounds for disallowing a warranty claims. Buffalo Corp will not be liable to warrant failures of warrant failures of warranted parts that are not exempted add-on or modified parts that are not exempted by the use of a non-exempted add-on or modified parts that are not exempted add-on or modified parts that are n modifed part. (11) The manufacturer issuing the warranty shall provide any documents that describe that manufacturers warranty procedures or policies within five working days of request by the Air Resources Board. EMISSION WARRANTY PARTS LIST (1) Fuel Metering System: (a) Gasoline carburetor assembly and its internal components (b) Carburetor gaskets (c) Fuel line (d) Clamps (e) Fuel line fittings (g) pressure regulator (if equipped) (A) Air induction system including: (a) Intake pipe/manifold (b) Air cleaner (Carburetor gaskets (C) Fuel line (Carburetor gaskets (C) Fuel line (Carburetor gaskets (C) Fuel line (a) Muffler gasket (b) Exhaust manifold (c) Catalytic converterif available (5) Crankcase breather connection tube (6) Fuel tank evaporative emissions control system including: (a) Purge valves (b) Exhaust manifold (c) Catalytic converterif available (5) Crankcase breather connection tube (6) Fuel tank evaporative emissions control system including: (a) Purge valves (b) Carbon canister (c) canister Mounting Brackets (d) Fuel Cap (e) Fuel Tank (7) Miscellaneous items used in above systems including: (a) Switches (b) Hoses, belts connectors, and assemblies (8) Air injection system (a) Pulse valve 2015/11 Starting a Sportsman generator. Make sure this valve is in the on position. Next, locate the start switch which is usually found near the fuel tank. This switch should be in the off position. Then, open the engine choke by moving the lever located near the start switch. Next, press and hold the start switch for 3-4 seconds to prime the engine. When it feels like the engine has generated enough pressure to start, switch the lever back to the on position and release the start switch. If the generator does not start on the first attempt, repeat the priming process. This process should be continued until the engine is running, let it run for a few minutes to warm up properly before using any of the generator? Using a dual fuel generator was a dual fuel generator and the first attempt, repeat the priming process. This process should be continued until the engine is running, let it run for a few minutes to warm up properly before using any of the generator was a dual fuel generator. easy. First, make sure you have the necessary fuel for the generator and ensure the fuel levels are adequate. Depending on the model, you may need to add oil and gas to the generator to any power source or electrical appliance you wish to power. Next, turn on the fuel valve, making sure to close the choke if needed. Then, open the main switch and press the engine starter button or turn the startup key to start the generator. Once it is running, you can use the generator control switch to start or stop the power and begin using the electrical appliances. When finished, turn off all the switches, turn off the fuel valve, and disconnect any electrical connections. Allow the generator to cool down before storing or turning it off entirely. What kind of oil does a sportsman 4000 generator use? The Sportsman GEN4000DF generator runs on unleaded gasoline, with an 87 octane rating or higher. To ensure the best performance of your generator, the manufacturer recommends adding in a gasoline stabilizer when your fuel tank is full to help prevent any effects of aging fuel, and replace the oil after every 50 hours of use with a high-quality detergent oil rated SG/CD or higher. Specifically, the engine calls for SAE 10W-30 viscosity oil with API classification of SF or SG. Always be sure to check the oil level before starting the generator and conform to the manufacturers recommended oil service intervals. Can I use synthetic oil in my Sportsman generator? Yes, you can use synthetic oil in your Sportsman generator operate more efficiently and reduce the overall wear of the engine by reducing friction. For best results, you should follow the manufacturers instructions for oil type, viscosity, and frequency of change. In the case of Sportsman generators, you should keep in mind that it tends to be more expensive. However, it may be worth the cost due to its properties that provide superior protection for engine parts over regular oil. Can I mix 10w30 with 5W-30? Yes, you can mix 10w30 with 5W-30. However, keep in mind that the resulting oil would be a crossbreed, and would no longer be a traditional 10W30 oil, nor would it be categorized as a 5W-30. The blend would behave differently as a lubricant, and would likely not perform optimally in all applications. Additionally, if you are planning to switch from one oil to the other, it is best to completely empty the engine and start with a completely empty the engine and start wi mixture, and could affect the overall performance and protection of the oil. Ultimately, blending different oil weights is not recommended and could present risks for your engine if the oil does not adequately protect or lubricate the engine components. It is usually best to purchase the desired oil weight, and carefully consider the manufacturers recommendations and guidelines. Is it OK to use synthetic oil in small engines? Yes, it is ok to use synthetic oils can help protect engines from damage such as deposits and excessive wear, and can reduce oil consumption and sludge buildup. Furthermore, synthetic oil, so it is important to check the engine manufacturers oil recommendations before using synthetic oil. What oil should I use in my Yamaha generators, and it is specially formulated for four-stroke engines. It is specifically made to improve performance reduce consumption and increase the life of the generator. It also provides excellent engine protection and helps to protect against corrosion and deposits. Additionally, it has quick, easy starts, especially in cold weather. Be sure to check your generators owners manual for the correct oil type and to know how often to change your oil. What oil is recommended for predator 3500 generator? The Predator 3500 watt portable generator has a reliable 420cc 15hp OHV engine that can run for up to 12 hours on a full tank of gasoline. The engine is powered by conventional SAE 10W-30 motor oil, which is recommended for best performance. A synthetic oil can also be used, provided it meets the API Service Classification SF/SG/SH or higher, and is of the same viscosity as the motor oil being replaced. It is also important to ensure that the oil you use is suitable for four-stroke engines. Check your owners manual for more information on the oil recommended for your generator, as well as instructions on how to change and maintain the oil. You should also be sure to check the oil level and add oil if necessary. How do I get my generator to start? Starting a generator is working correctly. Before starting the generator, the user must first verify that the proper fuel type is present and that the fuel filter is free from any debris. Then, if the generator is not equipped with a remote starter, the user can check the oil level, and if necessary, add oil if the level is low. Once the oil has been checked, the user should connect the spark plug and make sure the plug is securely in place. If the generator is equipped with a carburetor, the user should check that the choke is in the open position. Then, the user should pull the recoil starter handle several times in order to start the generator. After the generator is started, the user should check the voltage and ensure that has been sitting? The best way to start a generator that has been sitting is to first check the fuel. If the fuel looks cloudy or has sediment at the bottom, you should drain the fuel and replace it with fresh fuel. You should also check the oil levels, topping them up if necessary. Once these steps have been completed, turn the ignition key to on and press the primer bulb a few times. After this is done, gently pull the recoil cord to get the engine running. If the generator still doesnt turn on, you can try adjusting the choke setting, or seeking advice from a qualified technician. How do I start my generator after I run out of gas? Starting a generator after running out of gas is relatively straightforward. 1. Ensure the generator after I run out of gas? Starting a generator after running out of gas is relatively straightforward. 1. Ensure the generator after I run out of gas? Starting a generator after running out of gas is relatively straightforward. 1. necessary) to help keep the carburetor and fuel system clean. 4. Check the oil level and top it off as necessary. 5. Check the spark plug wire. If its not firmly connected to the spark plug wire. If its not firmly connected to the spark plug wire. 8. Push the generator starter button and hold for a few seconds. 9. If the engine does not start, squeeze the primer bulb a few more times and try again. 10. Once the engine is running, push the choke back in (closed position) until the engine runs smoothly. It is important when running a generator to follow all safety precautions. Make sure the fuel tank is not overfilled, and ensure that the generator is not being used in an enclosed space or near any open flames. Why is it so hard to pull start my generator? It can be quite difficult to pull start a generator, especially if the generator has been sitting for a while. Many factors could be contributing to the difficulty of pulling the cord to start the generator. It could be due to accumulated dirt and debris, such as dust and grass clippings, which make it harder to pull the cord. Additionally, if the engine isnt being lubricated correctly, it can add additional drag and make it harder to pull the cord. Lastly, the generator may just need to be primed, which is done by adding fuel and manually pushing the compressor down several times to get the first time your generator has been used, please see the "How do I prepare my generator for it's first use?" under the Preparing My Generator For Use section of this guide to properly prepare your generator for it's first use. The most common reasons that the generator for it's first use. The most common reasons that the generator will not start are: be set to "Closed/Choke" for the generator to start. The generator is not on a level surface. If the generator is not level, the low oil shutdown might be triggered. Move the generator will not start, it could be the gasoline, oil or spark plug. Check the gasoline If the generator is out of gas, add more gasoline to the generator. If the gas has been sitting in the fuel tank of the generator for some time, the gas could have become contaminated and gone bad. Drain the gasoline, and add fresh gas to the fuel tank. (See "How do I empty the fuel tank?" in the Generator Care & Maintenance section.) Check the spark plugIf the sparkplug is dirty or damaged, it could prevent the engine from starting. For instructions on removing the spark plug see the "How should I care for the spark plug is sparking by first pulling the spark plug cap off spark plug out using a spark plug wrench. Loosen the four gas tank bolts using a 10mm wrench. Put the sparkplug is not sparkplug. If the sparkplug is dirty, clean the spark plug with use a wire brush to clean any dirt from around the spark plug base. This generator comes equipped from the factory with a spark plug. If you have questions regarding the spark plug, 8 AM - 4 PM Central Time. Check the engine switchThere are two wires in the back of the engine switch that could have become disconnected during transportation of the generator. These wires must be connected, reconnect if possible, or a re-soldering of the connection may be needed to fix the issue. If your generator will still not start after completing the adjustments listed, call our customer help line at 1-866-460-9436, Monday - Friday, 8 AM - 4 PM Central Time. \* This site contains affiliate links for which we may be compensated. The Sportsman line of generators is among some of the most affordable on the market today. They compete favorably with pricier brands in usability, performance, and durability. However, despite their remarkable performance, Sportsman generators are not without their imperfections. If you have been having issues with your Sportsman generators can, from time to time, malfunction. Knowing how to effectively troubleshoot your generator problems ensures you dont stay in the lurch when you need a backup power source. Common problems that affect Sportsman generators include: Generator with zero electrical output Running generator but doesnt support all connected devices, etc. If youre looking for Sportsman Generator repair and service manual check out the books or instructions below: Go to Sportsman Generator models on the next page. You can also go here to find Sportsman generator parts diagram and manual for many generator models or find Sportsman generator physical manual on eBay. Sportsman generator parts diagram and manual for many generator models or find Sportsman generator physical manual on eBay. Sportsman generator parts diagram and manual for many generator physical manual for many generator physical manual on eBay. Sportsman generator physical manual for many generator phys The spark plug must also be dirty. You can check the fuel valve and turn it to open. Check the choke and close it. Unscrew the spark plug and try again. Dead battery batteries last for several years before they require a replacement. Routine maintenance is key to extending the life of your Sportsman battery. The generator starts but wont stay runningThe choke may be in the closed/choke position. Ensure that after you start the generator starts but wont stay runningThe choke may be in the closed/choke position. The generator runs but doesn't support every connected electrical deviceOne of the connected devices may have a short, or your air filter could be dirty. This can prevent your Sportsman generator from supporting all the devices you connect to it. Therefore, disconnect every short-circuited or faulty electrical load immediately. Check your air filter to see if its dirty. If it is, you may clean or replace the air filter. Sportsman Generator Local Repair Shops Near Me and Certified Repair Service Some generator problems are beyond something you can handle on your own unless you are a well-trained technician. Since Buffalo Corporation does not directly sell Sportsman generators on its official website, you may have to go online and search for a certified Sportsman repair service or local shop. For instance, most Sportsman generators come with control panels via which you can adjust the settings. Control panel gets faulty, you will need the assistance of a professional or certified technician to fix it. Sportsman Generator supportFind Sportsman Generator Sportsman Ge GEN4000LPC Propane-powered Portable Generator Sportsman GEN7000 Portable Generator Sportsman GEN7000 Portable Generator Sportsman GEN7000 Watt Portable Generator Sportsman GEN7000 Watt Portable Generator Sportsman GEN7000 Watt Portable Generator Sportsman GEN7000 Portable Generator Sportsman GEN7000 Watt Portable Generator Sportsman GEN700 Watt Portable Generator generator is underperforming, it may require nothing more than simple maintenance tasks. However, for more serious generator problems, search for a local repair shop near youLooking for generator parts? Visit this page and find out where to buy cheap and genuine Sportsman generator parts. One comment | Add One Leave a Comment

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