



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA EF 1000 IS 900W. You'll find the answers to all your questions on the YAMAHA EF 1000 IS 900W in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual YAMAHA EF 1000 IS 900W**  
**User guide YAMAHA EF 1000 IS 900W**  
**Operating instructions YAMAHA EF 1000 IS 900W**  
**Instructions for use YAMAHA EF 1000 IS 900W**  
**Instruction manual YAMAHA EF 1000 IS 900W**



Generator



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**Manual abstract:**

d. Numbers in a separate place in case your machine is stolen. AE00011 MACHINE IDENTIFICATION The machine serial number is stamped in the location as shown. NOTE: The first three digits of these numbers are for model identification; the remaining digits are the unit production number. Keep a record of these numbers for reference when ordering parts from a Yamaha dealer. Any reprinting or unauthorized use without the written permission of Yamaha Motor Corporation, U. Particularly important information is distinguished in this manual by the following notations. nOTE: 9 Yamaha continually seeks

advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your engine and this manual. If there is any question concerning this manual, please consult your Yamaha dealer.

9 This manual should be considered a permanent part of this engine and should remain with this engine when resold. The Safety Alert Symbol means ATTENTION! W Failure to follow WARNING instructions could result in severe injury or death to the engine operator, a bystander, or a person inspecting or repairing the engine. CC A CAUTION indicates special precautions that must be taken to avoid damage to the engine. NOTE: A NOTE provides key information to make procedures easier or clearer. Hereby warrants that new Yamaha consumer generators purchased from an authorized Yamaha consumer generator dealer in the continental United States will be free from defects in material and workmanship for the period of time stated herein, subject to certain stated limitations.

THE PERIOD OF WARRANTY Any new EFseries or EDL-series Yamaha Generator purchased for private, non-commercial use from an authorized Yamaha consumer generator dealer in the continental United States will be warranted against defects in material or workmanship for a period two (2) years from date of purchase, subject to exclusions noted herein. Any Yamaha non-commercial generator purchased and utilized for commercial or rental applications will be warranted for a period one (1) year from the date of purchase, subject to exclusions noted herein. DURING THE PERIOD OF WARRANTY any authorized Yamaha consumer generator dealer will, free of charge, repair or replace, at Yamaha's option, any part adjudged defective by Yamaha due to faulty workmanship or material from the factory. Parts used in warranty repairs will be warranted for the balance of the product's warranty period. All parts replaced under warranty become property of Yamaha Motor Corporation U.

GENERAL EXCLUSIONS from this warranty shall include any failures caused by: a. Installation of parts or accessories that are not qualitatively equivalent to genuine Yamaha parts. SPECIFIC EXCLUSIONS from this warranty shall include parts replaced due to normal wear or routine maintenance. THE CUSTOMER'S RESPONSIBILITY under this warranty shall be to: 1. Operate and maintain the generator as specified in the appropriate Owner's Manual; 2. Give notice to an authorized Yamaha consumer generator dealer of any and all apparent defects within ten (10) days after discovery, and make the unit available at that time for inspection and repairs at such dealer's place of business. WARRANTY TRANSFER: To transfer the warranty from the original purchaser to any subsequent purchaser(s), it is imperative that the unit be inspected and registered for warranty by an authorized Yamaha consumer generator dealer. In order for this warranty to remain in effect, this inspection and registration must take place within ten (10) days after transfer. an inspection and registration fee will be charged for this service. In no case will the warranty be extended beyond the original period.

What costs are my responsibility during the warranty period? a. The customer's responsibility includes all costs of normal maintenance service, nonwarranty repairs, accident damages, as well as oil and spark plugs. q. What are some examples of "abnormal" strain, neglect, or abuse? a. These terms are general and overlap each other in areas. Specific examples include: Running the machine out of oil; lack of proper maintenance; operating the machine with a broken or damaged part which causes another part to fail; and so on. If you have any specific questions on operation or maintenance, please contact your dealer for advice. q. Does the warranty cover incidental costs such as transportation due to a failure? The warranty is limited to repair of the machine itself. q.

May I perform any or all of the recommended maintenance shown in the Owner's Manual instead of having the dealer do them? a. Yes, if you are a qualified mechanic and follow the procedures specified in the Owner's and Service Manual. We do recommend, however, that items requiring special tools or equipment be done by a Yamaha generator dealer. q. Will the warranty be void or cancelled if I do not operate or maintain my new Yamaha exactly as specified in the Owner's Manual? The warranty on a new Yamaha cannot be "voided" or "cancelled."

□ However, if a particular failure is caused by operation or maintenance other than as shown in the Owner's Manual, that failure may not be covered under warranty. q. What responsibility does my dealer have under this warranty? a. Each Yamaha generator dealer is expected to: 1. Check the operation of the generator before sale.

2. Explain the operation, maintenance, and warranty requirements to your satisfaction at the time of sale, and upon your request at any later date. In addition, each Yamaha generator dealer is held responsible for his setup, service and warranty repair work. q. Is the warranty transferable to second owners? The remainder of the existing warranty can be transferred upon request. The unit has to be inspected and reregistered by an authorized Yamaha generator dealer for the policy to remain effective. CUSTOMER SERVICE If your machine requires warranty service, you must take it to any authorized Yamaha generator dealer within the continental United States. Be sure to bring your warranty registration identification or other valid proof of the original date of purchase. If a question or problem arises regarding warranty, first contact the owner of the dealership. Since all warranty matters are handled at the dealer level, this person is in the best position to help you.

If you are still not satisfied and require additional assistance, please write: YAMAHA MOTOR CORPORATION U. BOX 6555 Cypress, California 90630 CHANGE OF ADDRESS The federal government requires each manufacturer to maintain a complete, up-to-date list of all first purchasers against the possibility of a safetyrelated defect and recall. This list is compiled from the purchase registrations sent to Yamaha Motor Corporation, U. By the selling dealer at the time of your purchase. If you should move after you have purchased your new generator, please advise us of your new address by sending a postcard listing your Yamaha model name, engine number, dealer number (or dealer's name) as it is shown on your warranty identification, your name and new mailing address.



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Box 6555 Cypress, California 90630 This will ensure that Yamaha Motor Corporation, U. Has an up-to-date registration record in accordance with federal law. □2-AE00062 e r w q LOCATION OF IMPORTANT LABELS Please read the following labels carefully before operating this machine. Switch to OFF Open fuel cap vent Turn fuel knob ON Turn engine switch to ON Pull choke knob out Pull recoil starter Push choke knob in 7CG-25134-10 2 OIL AC output Rated Phase DC output Fuel HOT EXHAUST 7VV-28176-10 8 8 zzzzzz Hz VA zzzV Single zzV zA Gasoline zz zzz 8 8 8 8 5 YAMAHA MOTOR CO. LTD -3-AE00071 SAFETY INFORMATION AE00072 741-080 EXHAUST FUMES ARE POISONOUS 9 Never operate the engine in a closed area or it may cause unconsciousness and death within a short time.

Operate the engine in a well ventilated area. AE01018 741-081 741-082 FUEL IS HIGHLY FLAMMABLE AND POISONOUS 9 Always turn off the engine when refuelling. 9 Never refuel while smoking or in the vicinity of an open flame. 9 Take care not to spill any fuel on the engine or muffler when refuelling. 9 If you swallow any fuel, inhale fuel vapor, or allow any to get in your eye(s), see your doctor immediately.

If any fuel spills on your skin or clothing, immediately wash with soap and water and change your clothes. 9 When operating or transporting the generator, be sure it is kept upright. If it tilts, fuel may leak from the carburetor or fuel tank. Also, be sure the fuel tank cap air vent knob is tightened when transporting the generator. 741-083 AE01019 ENGINE AND MUFFLER MAY BE HOT 9 Place the generator in a place where pedestrians or children are not likely to touch the generator.

741-084 9 Avoid placing any flammable materials near the exhaust outlet during operation. @@A 1 m (3 ft) 741-086 9 Avoid operating the engine with a dust cover. @@@@@741-089 9 Be sure to ground (earth) the generator. NOTE: Use ground (earth) lead of sufficient current capacity.

@@@@@Backfeeding can electrocute or injure line maintenance personnel. @@@@5 mm square □ and □ □ 100 meters for cross section of 2.5 mm □ square. @@@@ 1 ! @@Unless you refill with oil, the engine will not start again. @@@@ add oil and restart. @@ q w 763-220 1 7 "ON" Ignition circuit is switched on.

The engine can be started. 2 5 "STOP" Ignition circuit is switched off. The engine will not run. @@The results are better fuel consumption and less noise. @@NOTE: The economy control switch must be turned to "3" (OFF) when using electricity after the above time period, while the economy control switch is "I" (ON). 9 Application wattage indicates when each device is used by itself. @@@@ (See page 16 for more details. @@NOTE: Some precision equipment is voltage sensitive and may require a more uniform voltage supply than portable generators provide. Examples include some medical equipment, personal computers, and some inverters that sense peak and RMS voltage values. Consult the precision-equipment vendor before relying on any portable generator to provide power to such equipment.

□ 14 - AE01023 CONNECTION Alternating Current (AC) cC 9 Be sure all electric devices including the lines and plug connections are in good condition before connection to the generator. 9 Be sure any electric devices are turned off before plugging it in. 9 Be sure the total load is within generator rated output. 9 Be sure the receptacle load current is within receptacle rated current. 1.

Wind the power lead 2 or 3 turns around handle. Make sure the AC pilot light is on. 1 AC pilot light 763-226 5. Turn the economy control switch (Black) to the "I" (ON) position and turn on any electric devices. Q 1 "I" (ON) 763-222a NOTE: The economy control switch must be turned to "3" (OFF) when using electric devices that require a large starting current, such as a compressor or a submersible pump.

□ 15 - q AE00953 763-225 Overload indicator light The overload indicator light 1 comes on when an overload of a connected electrical device is detected, the inverter control unit overheats, or the AC output voltage rises. The electronic breaker will then activate, stopping power generation in order to protect the generator and any connected electric devices. The AC pilot light (green) will go off and the overload indicator light (red) will stay on, but the engine will not stop running. When the overload indicator light comes on and power generation stops, proceed as follows: 1. Turn off any connected electric devices and stop the engine. 2. Reduce the total wattage of connected electric devices within the application range. 3. Check for blockages in the cooling air inlet and around the control unit. If any blockages are found, remove.

4. After checking, restart the engine. NOTE: 9 The generator AC output automatically resets when the engine is stopped and then restarted. 9 The overload indicator light may come on for a few seconds at first when using electric devices that require a large starting current, such as a compressor or a submersible pump. However, this is not a malfunction. Wind the battery charging lead 2 or 3 turns around the handle and plug into DC receptacle. NOTE: 9 Make connections to the battery after starting the engine. 9 Clamp the red wire to the positive (+) terminal and the black wire to the negative (-) terminal of the battery. Do not reverse these positions. Press in the DC protector and install the battery.

762-040 cC 9 Be sure the economy control switch is turned off while charging the battery. 9 Be sure the battery leads are properly connected. 9 Be sure the breather hose is properly connected and is not damaged or obstructed. 9 Reduce the load to the specified generator rated output if the DC protector turns off.

□ 17 - w Never smoke or make and break connections at the battery while charging. Sparks may ignite the battery gas. Avoid contact with skin, eyes or clothing. EYES: Flush with water for 15 minutes and get prompt medical attention. Ventilate when charging or using in closed space. Always cover eyes when working near batteries.

9 Turn the economy control switch (Black) to the "3" (OFF) position. Turn the engine switch (Red) to the "5" (STOP) position. Turn the fuel tank cap air vent knob clockwise until it is finger-tight. 707-097a - 19 - AE00401 PERIODIC MAINTENANCE AE00403 MAINTENANCE CHART Regular maintenance is most important for best performance and safe operation. W Stop the engine before starting maintenance work. no. Item Remarks Every Pre-Ope- Initial ration 1 3 6 12 check month months months months (daily) or 20 Hr or 50 Hr or 100 Hr or 300 Hr 1. Item Remarks Every Pre-Ope- Initial ration 1 3 6 12 check month months months months (daily) or 20 Hr or 50 Hr or 100 Hr or 300 Hr 8. Check the pilot light comes on. CC Use only Yamaha specified genuine parts for replacement.

Ask an authorized Yamaha dealer for further attention. □ 21 - AE01026 SPARK PLUG INSPECTION You should periodically remove and inspect the spark plug.



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Check for discoloration and remove the carbon. standard electrode color: Tan Color 760-024 3. Check the spark plug type and gap. Adjusting should be left to a Yamaha dealer with the professional knowledge, specialized data, and equipment to do so properly. – 22 – AE01159 q w 788-009 4 ENGINE OIL REPLACEMENT 1. Place the generator on a level surface and warm up the engine for several minutes. Then stop the engine and turn the fuel cock knob to “OFF”. Loosen the screw 1 and remove the cover 2.

3. Remove the oil drain joint 3 pushing downward from the bottom of the generator and remove the oil filler cap 4. 3 700-124 4. Attach the oil drain joint 5 to the oil filler hole. 5 700-118b 5.

Place an oil pan under the engine. Tilt the generator to drain the oil completely. 6. Replace the generator on a level surface and remove the oil drain joint. 7. Add engine oil to the upper level of the filler hole using the oil filler guide. 6 Oil filler guide 700-120 cC Do not tilt the generator when adding engine oil. This could result in overfilling and damage to the engine. 6 0°C 25°C 700-126a A YAMALUBE 4(10W-30) D SAE 10W C SAE #20 B SAE #30 32°F 80°F 700-065 Recommended oil: â YAMALUBE 4 (10W-30) or SAE 10W-30 type SE motor oil ∫ SAE #30 ç SAE #20 ð SAE 10W Engine oil quantity: 0. Wipe the oil drain joint clean, and wipe up any spilled oil. CC Be sure no foreign material enters the crankcase. Replace the oil drain joint in its original position. 11. Install the cover and tighten the screw. 788-010 AE01028 MUFFLER SCREEN AND SPARK ARRESTER w The engine and muffler will be very hot after the engine has been run.

Avoid touching the engine and muffler while they are still hot with any part of your body or clothing during inspection or repair. Use a flathead screw driver to pry the spark arrester out from the muffler. @@@@Remove the clip 2 holding the air filter cover 3. w e 788-002a r 3. Remove the air filter cover and element 4. Oil the element and squeeze out excess oil. The element should be wet but not dripping. @@Insert the element into the air filter. NOTE: Be sure the element sealing surface matches the air filter so there is no air leak. 710-059a – 26 – cC The engine should never run without the element; excessive piston and cylinder wear may result.

W Never use solvent while smoking or in the vicinity of an open flame. 7. Replace the air filter cover in its original position and install the clip. Clean the filter with solvent. Engine oil system Insufficient 2 Oil level is low .

Poor spark 2 Spark plug dirty with carbon or wet . Stop the engine, then restart. □ 28 – AE00515 A ENGINE DOES NOT START B Turn the engine switch to “ON”, then pull the recoil starter and check if the oil warning light flickers. H Pull the recoil starter and check the spark plug for spark strength. (See “WARNING”) K Check the spark plug.

9 Type: 9 Gap: w 9 To prevent FIRE HAZARDS be sure fuel is not present in the spark plug area. 9 To prevent FIRE HAZARDS be sure to place the spark plug as far way as possible from the spark plug hole and carburetor area. 9 To prevent ELECTRIC SHOCK do not hold spark plug lead with hand while testing. N Check the following O Clogged 9 Fuel line clogging 9 Air cleaner element P OK clogging. A R AE00601 STORAGE Long term storage of your machine will require some preventive procedures to guard against deterioration. Drain the fuel from the fuel tank into an approved gasoline container using a commercially available hand siphon. Then, install the fuel tank cap. Drain fuel from the carburetor by loosening the drain screw 2 on the carburetor float chamber. Start the engine and leave it run until it stops. This will burn any remaining fuel in the carburetor.

aE00621 w 707-103 ENGINE 1. Remove the spark plug, pour about one tablespoon of SAE 10W30 or 20W40 motor oil into the spark plug hole and reinstall the spark plug. Recoil start the engine by turning over several times (with ignition off) to coat the cylinder walls with oil. 2. Pull the recoil starter until you feel compression. then stop pulling. (This prevents the cylinder and valves from rusting). 3. Clean exterior of the generator and apply a rust inhibitor. 4. Store the generator in a dry, well-ventilated place, with the cover placed over it. 5. The generator must remain in a vertical position when stored, carried or operated. , 2, CAP, NET, WIRE2 & ARRESTER, SPARK The above items and the corresponding acronyms are provided in accordance with U. The acronyms conform to the latest version of the SAE’s recommended practice document J1930, “Diagnostic Acronyms, Terms, and Definitions For Electrical/Electronic System”.

8 770-044f 1 Main coil 2 Sub coil 3 DC coil 4 DC rectifier 5 Control unit 6 AC pilot light 7 AC receptacle 8 Ground (Earth) terminal 9 Economy control switch 0 Overload indicator light q DC protector (breaker) w DC receptacle e Engine switch r Oil warning light t Speed limiter y Oil level gauge u Ignition coil i Spark plug o TCI unit p TCI magneto a Stepping motor Color code B Black Br Brown G Green Gy Gray L Blue O Orange R Red W White Y Yellow B/W Black/White G/Y Green/Yellow – 33 – 7CG-28199-10 hyoshi 3/22/04 4:51 PM Page 1 Generator OWNER’S MANUAL EF1000iS PRINTED ON RECYCLED PAPER PRINTED IN JAPAN 04 9 04 – 1. .



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