

Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals
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Subaru 3200IS Generator

SAFETY PRECAUTIONS

Please make sure you review each precaution carefully.

Pay special attention to statement preceded by the following words.

“WARNING” indicates a strong possibility of severe personal injury or loss of life if instructions are not followed.

“CAUTION” indicates a possibility of personal injury or equipment damage if instructions are not followed.

WARNING - Do not operate the generator near gasoline or gaseous fuel because of the potential danger of explosion or fire. Do not fill the fuel tank with fuel while the engine is running. Do not smoke or use open flame near the fuel tank. Be careful not to spill fuel during refueling. If fuel is spilt, wipe it off and let dry before starting the engine.

WARNING - Do not place in flammables near the generator. Be careful not to place fuel, matches, gunpowder, oily clothes, straw, trash, or any other in flammables near the generator.

WARNING - Do not operate the generator inside a room, cave, tunnel, or other insufficiently ventilated area. Always operate in a well-ventilated area, otherwise the engine may become overheated, and the poisonous carbon monoxide gas contained in the exhaust gases will endanger human lives. Keep the generator at least 3 feet away from any structure or building during use. If the generator must be used indoors, the area must be well-ventilated and extreme caution must be taken regarding the discharge of exhaust gases.

WARNING - Do not enclose the generator nor cover it with a box. The generator has a built-in forced air cooling system, and may become overheated if it is enclosed. If the generator has been covered to protect it from the weather during non use, be sure to remove it and keep it well away from the area during the generator use.

WARNING - Operate the generator on a level surface. It is not necessary to prepare a special foundation for the generator. However, the generator will vibrate on an irregular surface, so choose a level place without surface irregularities. If the generator is tilted or moved during operation, fuel may spill and / or the generator may tip over, causing a hazardous situation.

Proper lubrication cannot be expected if the generator is operated on a steep incline or slope. In such a case, piston seizure may occur even if the oil is above the upper level.

WARNING - Pay attention to the wiring or extension cords from the generator to the connected device. If the wire is under the generator or in contact with a vibrating part, it may break and possibly cause a fire, generator burnout, or electric shock hazard. Replace damaged or worn cords immediately.

WARNING - Do not operate in rain, in wet or damp conditions, or with wet hands.

The operator may suffer severe electric shock if the generator is wet due to rain or snow.

WARNING - If wet, wipe and dry it well before starting. Do not pour water directly over the generator, nor wash it with water.

WARNING - Be extremely careful that all necessary electrical grounding procedures are followed during each and every use. Failure to do so can be fatal.

WARNING - Do not contact the generator to a commercial power line. Connection to a commercial power line may short circuit the generator and ruin it or cause electric shock hazard. Use the transfer switch for connecting to domestic circuit.

WARNING - No smoking while handling the battery. The battery emits flammable hydrogen gas, which can explode if exposed to electric arcing or open flame. Keep the area well-ventilated and keep open flames/sparks away when handling the battery.

WARNING - Engine becomes extremely hot during and for some time after operation. Keep combustible materials well away from generator area. Be very careful not to touch any parts of the hot engine especially the muffler area or serious burns may result.

WARNING - Keep children and all bystanders at a safe distance from work areas.

WARNING - It is absolutely essential that you know the safe and proper use of the power tool or appliance that you intend to use. All operators must read, understand and follow the tool/appliance owners manual. Tool and appliance applications and limitations must be understood. Follow all directions given on labels and warnings. Keep all instruction manuals and literature in a safe place for future reference.

WARNING - Use only "LISTED" extension cords.

When a tool or appliance is used outdoors, use only extension cords marked "For Outdoor Use". Extension cords, when not in use should be stored in a dry and well ventilated area.

WARNING - Always switch off generator's no-fuse breaker and disconnect tools or appliances when not in use, before servicing, adjusting, or installing accessories and attachments.

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CAUTION - Make sure the engine is stopped before starting any maintenance, servicing, or repair. Make sure maintenance and repair of the generator set are performed by properly trained personnel only.

PRE-OPERATION CHECKS

1. Check engine oil (3200 requires .63 quarts) 10W-30 or 10W-40
2. Check engine fuel (3200 requires 2.85 gallons)
 - a. Do not refill tank while engine is running or hot.
 - b. Before filling fuel, turn the engine switch into CLOSE position.
 - c. Be careful not to admit dust, dirt, water, or other foreign objects into fuel.
 - d. Wipe off spilt fuel thoroughly before starting engine.
 - e. Keep open flames away.
3. Check Generator Surroundings
 - a. Keep area clear of in flammables or other hazardous materials.
 - b. Keep generator at least 3 feet (1 meter) away from buildings or other structures.
 - c. Only operate generator in a dry, well ventilated area.
 - d. Keep exhaust pipe clear of foreign objects.
 - e. Keep generator away from open flame. No smoking!
 - f. Keep generator on a stable and level surface.
 - g. Do not block generator air vents with paper or other material.
4. Grounding the generator
To ground the generator to the earth, connect the grounding lug of the generator to the grounding spike driven into the earth or to the conductor which has been already grounded to the earth. If such grounding conductor or grounding electrode is unavailable, connect the grounding lug of the generator to the grounding terminal of the using electric tool or appliance.

OPERATING PROCEDURES

1. STARTING

- a. Make sure the appliance is disconnected
- b. Turn the engine switch to CHOKE position if the engine is cold. When the engine is warm or temperature is high, start engine with the switch at the OPEN position.
- c. Pull the starter handle slowly until passing the compression point, then return the handle to its original position and pull briskly.
- d. After starting, allow the starter handle to return to its original position with the handle still in your hand.
- e. After 20-30 seconds of warm-up is completed, turn the engine switch to the OPEN position.
- f. By changing over the LE display on the multi monitor into the "voltage" indication, make sure the generating voltage is the normal level (approx. 220V, 240V).

2. STOPPING

- a. Turn off the power switch of the electric equipment and unplug the cord from the receptacle of the generator.
- b. Allow the engine about 3 minutes to cool down at no load before stopping.
- c. Turn the engine switch to the CLOSE position.

SURGE REQUIREMENTS

Some appliances need a "surge" of energy when starting. This means that the amount of electrical power needed to start the appliance may exceed the amount needed to maintain its use. Electrical appliances and tools normally come with a label indicating voltage, cycles / Hz, amperage (amps) and electrical power needed to run the appliance or tool. Check with your nearest dealer or service center with questions regarding power surge of certain appliances or power tools.

.. Electrical loads such as incandescent lamps and hot plates require the same wattage to start as is needed to maintain use.

.. Loads such as fluorescent lamps require 1.2 to 2 times the indicated wattage during start-up.

.. Loads for mercury lamps require 2 to 3 times the indicated wattage during start-up.

.. Electrical motors require a large starting current. Power requirements depend on the type of motor and its use. Once enough "surge" is attained to start the motor, the appliance will require only 50% to 30% of the wattage to continue running.

.. Most electrical tools require 1.2 to 3 times their wattage for running under load during use. For example, a 5000 watt generator can power a 1800 to 4000 watt electrical tool.

.. Loads such as submersible pumps and air compressors require a very large force to start. They need 3 to 5 times the normal running wattage in order to start. For example, a 5000 watt generator would only be able to drive a 1000 to 1700 watt pump.

WATTAGE INFORMATION

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To determine the total wattage required to run a particular electrical appliance or tool, multiply the voltage figure of the appliance/tool by the amperage (amps) figure of same. The voltage and amperage (amps) information can be found on a name plate which is normally attached to electrical appliances and tools.

NOTE

The following wattage chart is general guide only. Refer to your specific appliance for correct wattage.

Incandescent lamp, Heater approx. approx. 2800

Fluorescent lamp, Electric tool approx. approx. 1400

Mercury lamp approx. approx. 1000

Pump, Compressor approx. 600

VOLTAGE DROP IN ELECTRIC EXTENSION CORDS

When a long electric extension cord is used to connect an appliance or tool to the generator, a certain amount of voltage drop or loss occurs in the extension cord which reduces the effective voltage available for the appliance or tool.

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