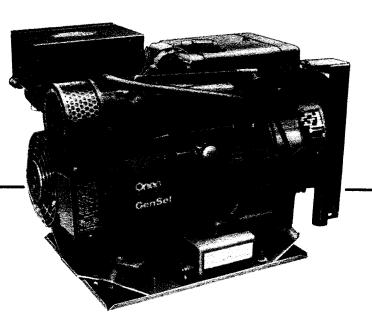
Onan

Service Manual

AJ GenSet



Safety Precautions

Read the Operator's Manual before operating the generator set. Proper maintenance, operation, and service are essential for safe and efficient operation. Many accidents are caused by failure to follow fundamental rules and precautions. The following symbols are found throughout this manual. They alert you to conditions that are potentially dangerous to the operator, service person or the equipment.

This symbol alerts you to an immediate hazard that could cause severe personal injury or death.

AWARNING

This symbol alerts you to a hazard or unsafe practice that could lead to severe personal injury or death.

This symbol alerts you to a hazard or unsafe practice that could lead to personal injury or damage to the equipment or property.

FUEL GAS AND GASOLINE ARE HIGHLY FLAMMABLE AND EXPLOSIVE

- Do not fill the fuel tank while the engine is running, unless the tank is outside the generator room or compartment. Hot engine parts can ignite the fuel.
- Do not smoke or use an open flame near the generator set or fuel tank.
- Make sure that fuel lines don't leak and that they are adequately supported. Fuel connections at the engine should be made with an approved flexible, non-conductive fuel line. Do not use copper tubing as a flexible connection. Copper may crack due to work hardening.
- Install an approved fuel shutoff valve in the supply line.

EXHAUST GAS IS DEADLY!

- Exhaust gas must be discharged to the out-ofdoors. Make sure that the exhaust system is adequate and does not leak.
- Exhaust gas or heat from the engine must never be used to heat a room or other enclosed space.
- Never sleep in a vehicle with the generator set running, unless the vehicle is equipped with a carbon monoxide detector that is working.

HIGH VOLTAGE IS DEADLY!

- Use extreme caution when working on electrical equipment.
- Use dry wooden platforms insulated with rubber mats to cover metal or concrete floors when working on electrical equipment.
- Make sure your hands and clothes, especially shoes, are dry when handling electrical equipment.
- Remove jewelry, which is highly conductive, before handling electrical equipment.
- The installation must meet state and local electrical codes and be performed by a licensed electrician.
- DO NOT CONNECT THE GENERATOR SET DIRECTLY TO ANY BUILDING SYSTEM. Electrocution and damage to the equipment and property could result from the high voltages that can build up if the generator set is connected with the utility line. Connections must be through an approved device. Before making connections, make sure the main building service switch is off, and that it is tagged to prevent it from being turned on accidentally. Consult an electrician regarding emergency power use.

FAN BLADES CAN CAUSE INJURY

 Keep hands away from the engine and generator cooling fans and keep the guards in place.

THE MUFFLER AND EXHAUST PIPE GET HOT

 Use caution when making adjustments with the set running.

GENERAL SAFETY PRECAUTIONS

- Have a fire extinguisher handy. Maintain it properly and know how to use it. Extinguishers rated ABC by the NFPA are suitable. Consult the local fire department about the suitability of other types.
- Do not let grease, oil and dirt accumulate on the set.
 A dirty engine can run hot and be damaged or cause a fire.
- Do not use the generator compartment for storage.
 Oily rags, gas cans, propane cylinders, wooden blocks, etc. can ignite or explode or interfere with cooling and ventilation. Keep the compartment floor clean and dry.
- Do not smoke near batteries. When disconnecting a battery, first disconnect the negative (-) battery cable at the set to keep sparks as far away as possible from the battery. Lead acid batteries emit highly explosive hydrogen gas that is easily ignited by smoking or sparks.
- Do not operate or service the set when tired or after having consumed drugs or alcohol.

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