



Service Manual

Cummins **Onan**

Performance you rely on.™



Generator Set

HDKBA (Spec A–F)

HDKBB (Spec A–F)

HDKBC (Spec D–F)

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Safety Precautions

Thoroughly read the **OPERATOR'S MANUAL** before operating the genset. Safe operation and top performance can only be obtained when equipment is operated and maintained properly.

Only trained and experienced service personnel with knowledge of fuels, electricity and machinery hazards shall remove, dismantle and dispose of the generator set. See service manual.

Some generator set installation procedures present hazards that can result in severe personal injury or death. Only trained and experienced personnel with knowledge of fuels, electricity and machinery hazards should perform generator set installation procedures.

The following symbols in this manual alert you to potential hazards to the operator, service person and equipment.

⚠ DANGER *Used to alert you to an immediate hazard which will result in severe personal injury or death.*

⚠ WARNING *Used to alert you to a hazard or unsafe practice which can result in severe personal injury or death.*

⚠ CAUTION *Used to alert you to a hazard or unsafe practice which can result in personal injury or equipment damage.*

Electricity, fuel, exhaust, moving parts and batteries present hazards which can result in severe personal injury or death.

GENERAL PRECAUTIONS

- Keep children away from the genset.
- Do not use evaporative starting fluids. They are highly explosive.
- To prevent accidental or remote starting while working on the genset, disconnect the negative (-) battery cable at the battery.
- Let the engine cool down before removing the coolant pressure cap or opening the coolant drain. Hot coolant under pressure can spray out and cause severe burns.

- Keep the genset and its compartment clean. Excess oil and oily rags can catch fire. Dirt and gear stowed in the compartment can restrict cooling air.
- Make sure all fasteners are secure and torqued properly.
- Do not work on the genset when mentally or physically fatigued or after consuming alcohol or drugs.
- Used engine oil has been identified by some U. S. state and federal agencies as causing cancer or reproductive toxicity. Do not ingest, inhale, or contact used oil or its vapors.
- Ethylene glycol, used as engine antifreeze, is toxic to humans and animals. Clean up spills and dispose of used engine coolant in accordance with local environmental regulations.
- Keep multi-purpose fire extinguishers handy. Multi-purpose fire extinguishers are used for fires that involve ordinary combustible and flammable liquid fuels and gaseous fuels; live electrical equipment. (North America or US: Ref. NFPA No. 10)
- Generator set installation and operation must comply with all applicable local, state and federal codes and regulations.
- Generator set with a sound shield shall not be run with the service doors removed/missing.
- Engine components can be hot and cause severe burns. Hot coolant under pressure can spray and cause severe burns.
- Use personal protective equipment when servicing the generator set such as gloves, safety glasses, etc.

THE HAZARDS OF CARBON MONOXIDE

⚠ WARNING *Engine-driven generators can produce harmful level of carbon monoxide that can injure or kill you.*

ONLY YOU CAN PROTECT YOURSELF FROM CO POISONING!

- Watch constantly for people near the exhaust of the generator set while it is running.

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Thank you very much!**

