



Anti – Wet Stacking Kit

P/N: 100628-501



P/N 100628-501 for 120V AC Military Tactical Generator



Installed on 95-531A

This kit provides wet stack protection by automatically switching on a 500W (25%) load when the generator is at less than 25% load and switching it off at higher loads. No user intervention is required. The load is a heater attached to a large heat sink sized to keep surface temperatures below the auto-ignition point of diesel fuel.

Wet stacking is the result of incomplete combustion of heavy fuels such as diesel or JP-8 that typically occurs when engines are operating with insufficient loads. In the case of the 2kW Military Tactical Generator (MTG), loads of 500 watts or less will result in wet stacking. This build up of carbon particles in the engine exhaust will cause the exhaust to have a heavy black color and eventually cause the engine to stall out. Prolonged operation under wet stack condition will result in permanent engine damage.

The addition of the Anti-Wet Stacking Kit will eliminate wet stacking and allow the generator to operate within normal load parameters that prevents incomplete combustion. The kit can be user installed or factory installed. It can be ordered in either forest green or desert tan to match the color of the MTG.

Operation

Start and operate the generator using standard procedures. Plug devices into the kit GFCI convenience receptacle. The generator load meter will indicate the total load including the anti-wet stack heater.

The kit senses load only at the added convenience receptacle. Any load or device attached to the generator load terminals or plugged into the generator control box receptacles will not be monitored by the anti-wet stack system. The generator will still operate normally, and the load meter will still display all loads on the generator.

The Dewey Electronics Corporation

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Installation Instructions

The conversion kit is externally mounted and reversible. Mount the kit using the provided brackets and hardware, and secure the cables with the provided cable ties. Attach the kit power supply cable to the generator load terminals at the side of the generator control box, and secure with the provide cable clamp. Attach the power cable ground to the frame ground terminal.

Installation Time

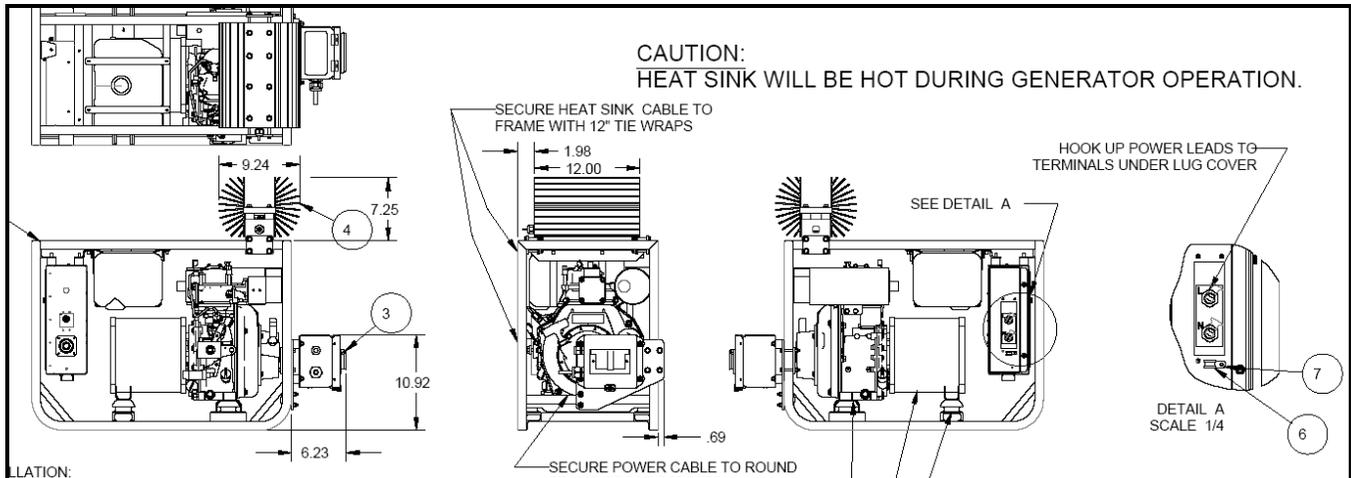
Approximately 30 minutes

Tools Required

Wrenches and/or sockets, Phillips screwdriver, and cutters to trim cable ties

Weight

24 lbs.



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