



Quiet Diesel™ Series Operation, Maintenance and Parts

PRE-START CHECKS

Before the first start of the day and after every eight hours of operation:

1. Check for proper oil and coolant levels.
2. Check for fuel, coolant and water leaks, mechanical damage, loose parts, damaged exhaust hose, loose or corroded battery connections, clogged sea water strainer, and CO monitors that don't work. Service as necessary.
3. Check for swimmers that might be exposed to the engine exhaust.
4. Turn off air conditioners and other large appliances.

PRIMING THE FUEL SYSTEM

If the generator ran out of fuel, push the control switch to **STOP (Prime)** and hold for at least 30 seconds.

STARTING THE GENERATOR

1. Push and hold the control switch at **START (Pre-heat)** until the generator starts. The *amber* status lamp on the control switch will blink rapidly.* The *amber* lamp will go out and the *green* run lamp on the switch will light after the starter has disconnected and the engine is up to speed. (Depending on how cold the engine is, preheat can take as long as 15 seconds before cranking starts.)
2. For longer engine life, let the engine warm up for two minutes before turning on air conditioners and other large appliances.
3. Check for water, coolant, fuel and exhaust leaks. Stop the generator immediately if there is a leak.

⚠ WARNING *Fuel and exhaust leaks can lead to severe personal injury or death. Shut down the generator immediately. Repair fuel leaks immediately. Do not run the generator until fuel and exhaust leaks have been repaired.*

4. **If the generator fails to start**, cranking will discontinue in 20 to 60 seconds, depending on how cold the engine is, and the *amber* status lamp will blink Shutdown Code No. 4. See *Troubleshooting* (Operator's Manual) if the generator does not start after two or three tries.

⚠ CAUTION *Do not continue cranking and risk burning out the starter or flooding the engine (exhaust flow during cranking is too low to expel water from the exhaust system). Find out why the generator does not start and repair as necessary.*

5. **If the generator shuts down**, the *amber* status lamp will blink a shutdown code. See SHUTDOWN CODES below.

STOPPING THE GENERATOR

Turn off air conditioners and other large appliances and let the generator run for two minutes to cool down. Then touch the Control Switch to **STOP (Prime)**.

SHUTDOWN CODES

The *amber* status lamp will blink if the generator shuts down. It will blink 1, 2, 3, 4, 5 or 7 times, pause, and then repeat the blinking. **The number of blinks is the shutdown code.** Blinking continues for five minutes and stops. To restore blinking press the control switch to **STOP (Prime)** until the *amber* lamp comes on (3 to 4 seconds). Then press **STOP (Prime)** three times to restore blinking.

- **One blink** indicates shutdown due to high engine temperature.
- **Two blinks** indicate shutdown due to low oil pressure.
- **Three blinks** indicate shutdown that may require service. See *Troubleshooting* in the Operator's Manual.
- **Four blinks** indicate shutdown due to a failure to start within the time allowed for cranking.
- **Five blinks** indicate shutdown because carbon monoxide was detected.
- **Seven blinks** indicate shutdown due to a loss of raw water flow for engine and exhaust cooling.

See *Troubleshooting* in the Operator's Manual for more information.

CUMMINS ONAN DIGITAL DISPLAY

See the generator Operator's Manual for details.

* The green run lamp and gauges will also flash momentarily.

