



## START-UP & REGISTRATION FORM FOR TELECOMMUNICATIONS GENERATOR

Warranty Administration  
 Generator Division MS 072  
 Kohler Co., Kohler, Wisconsin 53044  
 Phone 414-565-3381 Fax 414-565-3648

For Sales & Service In U.S.A. & Canada Phone 1-800-544-2444

Start-up date \_\_\_\_\_

Follow the installation checklist and start-up procedure on the back of this form for generators installed in remote communications cabinets. Then complete and sign this form.

This form is important for coverage under the Kohler limited warranty and must be properly filled out at time of initial start-up. The distributor and owner must sign the notification form. Return copy of completed form to factory at above address within 30 days of start-up date.

### DISTRIBUTOR

Distributor:		Contact Person:	
Phone No:	Fax No:	E-Mail Address:	

### OWNER

Owner or Company Name:		Contact Person:	
Address:			
City:	State:	ZIP/Country:	
Phone No:	Fax No:	E-Mail Address:	

### GENERATOR INFORMATION

Model No:	Spec No:	Serial No.:
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### CONTROLLER/POWER CONDITIONER INFORMATION

Model No:	Spec No:	Serial No.:
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### INSTALLATION

Installed By (Company Name):		Contact Person:	
Address:			
Phone No:	Fax No:	E-Mail Address:	
Comments:			

### UNIT LOCATION

Street Address:			
City:	State:	ZIP/Country:	
Unit Location Name or Other Identification (Special Directions):			

Number of Miles from Nearest Distributor: \_\_\_\_\_

Owner Representative Name (print or type)	Owner Representative Signature	Date:
Installer Representative Name (print or type)	Installer Representative Signature	Date:

## INSTALLATION CHECKLIST

### Make the Following Installation Checks Before Initial Startup:

#### NOTE

Use this form as a general guide, along with reference to any applicable codes or standards. Comply with applicable codes and standards when installing generator set.

- 1. Adequate and dedicated fuel supply. Adequate gas pressure 4-6 oz/square inch (7-11 inches of water column) to inlet of gas solenoid valve or at cabinet inlet. Pressure must be in this range when the unit is not operating and when it is operating at full load.
- 2. Flexible fuel lines installed between engine and fuel system.
- 3. Exhaust system outlet located to prevent entry of exhaust gases into any nearby buildings, structures, or other inhabited structures.
- 4. Fuses installed and functional. Units previously installed may have battery disconnected, battery charger fuses removed, and/or controller power fuses removed. Reinstall as necessary.
- 5. Battery
  - Battery of specified size and voltage.
  - Battery mounted according to specifications with adequate ventilation.
  - Starting cables connected to battery.
  - Battery cables not routed over any sharp edges which might cause chaffing.
  - Battery filled with electrolyte and connected to charger.
  - Battery charger operational.
- 6. Generator load conductors routed according to specifications and connected to power conditioner.
- 7. Specified level of oil in crankcase.
- 8. Fuel tanks and piping installed in accordance with applicable codes and standards.
- 9. All other wiring, including customer added options, connected securely to correct connection points.
- 10. If owner representative concurs, proceed to start-up procedure.

**NOTE: Improper installation will void warranty.**

## START-UP PROCEDURE

**NOTE: Complete installation checklist above prior to beginning this procedure.**

- 1. Master switch in OFF/RESET position. Observe unlit system ready LED.
- 2. Open generator breaker in power conditioner.
- 3. Open fuel valve. Check gas pressure prior to start-up of generator set. Bleed fuel system, if necessary. Installations with lengthy fuel piping may require bleeding of the fuel system.
- 4. Connect load bank for testing. Connect to power conditioner DC output.
- 5. Press lamp test button. Observe that all LEDs on power conditioner illuminate.
- 6. Move master switch to RUN. Allow engine to start and run for several seconds.
- 7. Move master switch to OFF/RESET position to verify immediate shutdown.
- 8. Restart unit. Examine for oil and exhaust leaks.
- 9. Check start battery charge voltage for charging indication of 13.7 volts or higher.
- 10. Allow engine to warm up for 1-3 minutes.
- 11. Press and hold charge switch for approximately 20 seconds.
- 12. Close generator circuit breaker. Start and run generator on load bank at varying loads to ensure acceptable operation.
- 13. Check gas pressure at inlet to gas solenoid valve during full-load operation of generator set to verify that it remains within acceptable (7-11 inches water column) operating range.
- 14. Stop generator set. Restart generator set to verify that it will restart.
- 15. Check generator voltage at test jacks on front of power conditioner. It should be within 2% of voltage listed on generator name plate. After load test, shut down generator set by placing the master switch in OFF/RESET position.
- 16. Simulate generator remote start, observing four-minute time delay engine start.
- 17. Instruct the customer in operation and maintenance of emergency generator system.
- 18. Turn master switch to OFF/RESET position to reset controller. Turn off fuel to cabinet. Crank generator set, and observe low-fuel light on power conditioner. Reopen fuel valve. Start generator set with a local or remote start command.
- 19. Make sure all wire connections from generator to load and connections to other accessories are tight and secure.
- 20. Check to be certain that 120 volt AC power is provided to the power conditioner. This voltage is for the starting battery charger which maintains the charge of the start battery. If AC power is not present, disconnect start battery negative lead or remove controller fuse. This will deactivate the control system which is normally active in order to prevent battery discharge.
- 21. Complete this start-up and registration notification form now and send a copy to the Kohler Co., Generator Service Department at address on front of this form.