SERVICE BULLETIN

Original Issue Date: **11/01**
Model: **20-2000 kW**
Market: **Industrial**
Subject: **Warranty Startup Procedure Requirements**

Some generator set models with electronic control modules (ECM) may limit or prohibit adjusting the engine speed or testing the shutdown/warning faults. This type of testing is typically required by NFPA 110 standards for emergency power supply systems or by other governing agencies. Completion of the shutdown and warning tests does not affect the warranty coverage. See Figure 1 for whether the fault shutdown or warning tests are feasible.

The engine ECM or other generator set controls may impact the following shutdowns and warnings. The letter in parentheses identifies the fault category in Figure 1.

- Overspeed (governor control) shutdown
- Overcrank shutdown
- High engine temperature shutdown (A)
- High engine temperature warning (A)
- Low coolant temperature warning (A)
- Low oil pressure shutdown (A)
- Low oil pressure warning (A)
- Battery charger fault warning (B)
- Low battery voltage warning (B)
- Low fuel (level or pressure) warning (B)

Model	Engine	Governor Type	Shutdown and Warning Tests			
			Overspeed	Overcrank	Engine Sensors (A)	External Sensors (B)
20RZ	Ford	Electronic	Yes	Yes	Yes	Yes
30-125RZG/RZGB	GM		No		Yes*	
135-275RZD	DDC	ECM Control				
20-40ROZK	Deutz	Mechanical	Yes			
20-170ROZK		Electronic	No			
20-100ROZJ	John Deere	Mechanical	Yes		Yes	
20-100ROZJ		Electronic				
20-200REOZJ		Mechanical				
20-200REOZJ		Electronic				
200REOZP	DDC	ECM Control	No		Yes*	
230-400REOZD						
450REOZD-4						
500-1000ROZD-4						
1250-2000ROZD-4						
600-2000ROZM	Mitsubishi	Electronic	Yes			

* Units with 550 controllers require user-supplied potentiometers to simulate sensor function. The potentiometer value and connector vary by engine manufacturer/model.

Figure 1 Feasibility of Fault Shutdown and Warning Tests

Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Return This to
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