

(i) Name and address of the individual or individuals informing the Commission.

Mr. Martin Kurr
Quality Assurance Manager
Fairbanks Morse Engine
701 White Avenue
Beloit, WI 53511

(ii) Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.

Facility:

FM Sales Order #	Item #	Affected Facility	Serial Number
40135890	12996949	Farley	22436624
40132483	12996949	Limerick	22444358
40130845	12996949	Limerick	22444359
40130158	12996949	Hope Creek	22277182

Basic component which fails to comply or contains a defect:

Emergency Diesel Generator Electronic Speed Control Module, Woodward 2301A

(iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

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(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

Nature of defect:

In some 2301A controls, 1nF capacitors may have been loaded in place of 150pF capacitors. This could affect circuitry controlling the units' crystal, speed signal and reset dynamics, and power supply operation.

Safety hazard which could be created by such defect: This issue can prevent affected 2301A controls from starting up or may lead to unscheduled shutdown of affected controls. It can also prevent the prime mover from obtaining a stable speed response, causing it to hunt or overspeed. In some cases, the RESET potentiometer may run out of range to adjust the unit for stable operation or desired prime mover speed response, resulting in prime mover performance outside of specification limits.

(v) The date on which the information of such defect or failure to comply was obtained.
Fairbanks Morse concluded a substantial safety hazard may exist on 27 October 2022

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of all such components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations in this part.

4 units as follows:

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(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Fairbanks Morse Engine will notify affected licensees no later than 3 Nov 2022 and repair returned affected units. Additional corrective actions will be documented in the Fairbanks Morse corrective system under PD-1102.

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

Any installed affected Speed Control should be removed from service as soon as practical and returned to Fairbanks Morse for repair. If affected controller is

installed and licensee experiences any of the failure modes described in section iv of this document, the electronic speed control should be turned off and the emergency diesel generator should be allowed to operate using the mechanical governor system.

Serial number location is show in the image below

