

ANNUAL MAINTENANCE (To be performed by a qualified service technician)

It is suggested that the burner be checked by a qualified service technician twice a year, but on an annual basis at minimum; The technician should use, but is not limited to, the following procedure.

1. Remove oil drawer assembly. Clean and check oil nozzle, ignition electrodes and air diffuser assembly. Check blast tube and fan housing and clean as required.
2. Check blower motor and blower wheel for cleanliness. Remove and clean as necessary.
3. Remove, inspect and clean gas pilot assembly.
4. Inspect combustion chamber and make repairs as necessary.
5. Run burner through complete operational sequence and check for correct operation of all interlocks, operation and limit controls, fuel shutoff valves and other components as appropriate.
6. Conduct maintenance and service procedures as directed by the flame safeguard manufacturer's product bulletin that was shipped with the burner.
7. Conduct complete combustion analysis tests on burner and heat exchanger. Clean as necessary and adjust for efficient operation at all fuel inputs.
8. If the boiler is to be out of service for the summer, close all manual valves. Turn off burner by control switch, being sure to leave electrical power on the control panel. Leaving power on the control pan will prevent humidity damage to the flame safeguard.

(2) Each Model #AB250-W-FDG

Serial Numbers: 91060, 91051

do many moving or rotating parts, which mean that the wheel could eventually fail. Wheel failures are not uncommon as such, and can be caused by many factors, including the forces that act on the wheel, its operating environment, improper installation, improper maintenance, manufacturing defects, and operation in excess of its design limitations.

Because of the wide range of operating conditions on the burners, some wheels may last indefinitely while others may fail prematurely.

This type of wheel failure is usually preceded by a noticeable vibration to anyone near the burner. If the boiler operator ignores this vibration and continues operation of the boiler, a failure may result. To prevent the possibility of a failure from occurring, the burner should be shut down immediately. Periodic inspection should be made of the wheel for any cracks by the following inspection procedure. If cracks are found, they indicate that the wheel has reached or exceeded its life cycle; the wheel should not be operated again, and must be replaced.

Copy of Report must be provided.

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