



COOK

CA/CF Split Housings

Centrifugal Blowers

SUPPLEMENTAL INSTALLATION INSTRUCTIONS

This publication contains the disassembly and assembly instructions for CA & CF blowers with split housings. Carefully read this publication, as well as the CA / CF / CP installation, operation, and maintenance manual, prior to any installation procedure.



Carefully read this publication and any supplemental documents prior to any installation or maintenance procedure.

Loren Cook Company catalogs, *CA and CF*, provides additional information describing the equipment, fan performance, available accessories, and specification data.

For additional safety information, refer to AMCA publication 410-96, *Safety Practices for Users and Installers of Industrial and Commercial Fans*.

All of the publications listed above can be obtained from Loren Cook Company by phoning (417)869-6474, extension 166; by FAX at (417)832-9431; or by e-mail at info@lorencook.com.

For information on special equipment, contact Loren Cook Company Customer Service Department at (417)869-6474.

Receiving

All CA/CF blowers are shipped fully assembled. This helps insure that the fan arrives at the job site undamaged and that all components are present. In addition, this gives the assembler/disassembler the opportunity to view the fan in its completed state. The fan should be carefully inspected and these instructions understood before attempting disassembly.

Disassembly

Mark location of inlet cone(s) and remove from fan by removing attachment bolts around perimeter of cone. Cone is sealed to unit with gasket material, so care should be taken to avoid damaging the gasket.

To remove top of fan housing, simply remove bolts/nuts in flange around perimeter of fan. Several bolts should remain in place until lifting device is attached to prevent the removable portion from moving unexpectedly.

NOTICE: If wheel and/or shaft was removed from the fan, field vibration balancing should be performed. Failure to insure proper balance will void factory warranty.

If it is necessary to remove the wheel and/or shaft, please refer to pages 6 and 7 of the CA / CF / CP Installation, Operation, and Maintenance manual.

Assembly

- If the wheel and/or shaft was removed, reinstall the shaft and bearing assembly in the original location. Refer to the CA / CF / CP Installation, Operation, and Maintenance manual.
- Replace housing top in original location. Gasket material or caulk may be used to seal housing if desired.
- Replace all bolts and tighten.
- Replace inlet cone with original bolts, but do not tighten.
- Rotate wheel to insure even clearance between inlet cone and wheel.
- Center inlet cone as needed and tighten bolts.

Wheel-to-Inlet Clearance

The correct wheel-to-inlet clearance is critical to proper fan performance. This clearance should be verified before initial start-up since rough handling during shipment could cause a shift in fan components. Refer to the product manual.

LOREN COOK COMPANY

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