CF/AR PARTS MANUAL SUPPLEMENT

FOR CF/AB-150, 190, 270, & 320 GRAIN DRYERS MANUFACTURED in 1997

This supplement covers design improvements made to CF/AB-150, 190, 270, and 320 model dryers manufactured in 1997. Also included is the CF/AB-320 fan-heater assembly.

**Note:** Previous parts supplements still apply. CFAB-03-3S and CFAB-04-3S cover models built between April 1992 and March 1995. CFAB-05-3S covers models built between March of 1995 and December of 1996.

When ordering a part, please check this supplement first to see whether it is covered within the supplement. Refer to bulletins CF/AB150-01-3, CF/AB190-01-3, and CF/AB270-01-3 for most of the remaining parts. A complete set of updated CF/AB parts manuals will be available in the summer of 1997.

**CONTENTS**

Fig. 1 ASC Control Panel Chassis, 1-Phase ........................................... 2
Fig. 2 Control Panel, 1-Phase ................................................................. 4
Fig. 3 ASC Control Panel Chassis, 220V 3-Phase ..................................... 6
Fig. 4 ASC Control Panel Chassis, 440V 3-Phase ..................................... 8
Fig. 5 Control Panel, 220V 3-Phase ......................................................... 10
Fig. 6 Control Panel, 440V 3-Phase ......................................................... 12
Fig. 7 Dual Temp Burner Control Assembly ............................................. 14
Fig. 8 RTD Grain Temperature Sensor Assembly (ETN) .............................. 15
Fig. 9 CF/AB-320 Fan-Heater Assembly .................................................. 16
Fig. 10 CF/AB-320 Fan-Heater Control Box ............................................. 19
Fig. 11 CF/AB-320 Fan-Heater Plumbing ................................................ 21
Hardware Abbreviation Codes ................................................................. 23
<table>
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<tr>
<th>PART NO.</th>
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26 021-1069-8 | PART ID | MOUNTING TRACK 8" | 1 1 1 1 |
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33 039-2008-1 | PART ID | WIRE SET, CF/AB, CONTROL | 1 1 1 1 |

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| C     | 090-1233-7 | KMS #5-32 X 1/4 | 5 5 5 3 |
| D     | 090-1152-4 | PHST #5-32 X 3/8 | 2 2 2 2 |
| E     | 090-1192-3 | PHST #8 X 3/8 | 2 2 2 2 |
| F     | 090-1006-5 | POP RIVET 1/8 | 1 9 1 9 1 9 |
| G     | 090-1135-0 | WASHER, RIVET BACK-UP | 1 9 1 1 9 9 |
| H     | 091-1036-2 | NUT, HEX 1/4-20 | 1 0 1 0 1 0 |
| J     | 091-1027-1 | NUT, HEX #5-32 | 5 5 5 3 |
| K     | 092-1023-0 | WASHER, FLAT #8 | 2 2 2 2 |
| L     | 092-1066-5 | WASHER, FLAT 1/4 | 1 0 1 0 1 0 |
| M     | 092-1025-3 | WASHER, SPLIT LOCK 1/4 | 1 0 1 0 1 0 |
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Fig. 1  ASC Control Panel Chassis, 1-Phase, p. 1 of 2.  30-0202

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Fig. 3  ASC Control Panel Chassis, 220V 3-Phase, p. 1 of 2.
Fig. 3  ASC Control Panel Chassis, 220V 3-Phase, p. 2 of 2.
### Table: ASC Control Panel Chassis, 440V 3-Phase

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### Notes

- **Fig. 4** ASC Control Panel Chassis, 440V 3-Phase, p. 1 of 2.
- **3D-0264**
### Fig. 5  Control Panel, 220V 3-Phase, p. 1 of 2

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**Fig. 6 Control Panel, 440V 3-Phase, p. 1 of 2.**

-12-
Fig. 6 Control Panel, 440V 3-Phase, p. 2 of 2.
FIG. 7  DUAL-TEMP BURNER CONTROL ASSEMBLY

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Fig. 7  Dual Temp Plenum Temperature Control Assembly.
### FIG. 8 RTD GRAIN TEMPERATURE SENSOR ASSEMBLY

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**Fig. 8** RTD Grain Temperature Sensor Assembly.
**FIG. 9 CF/AB-320 FAN-HEATER ASSEMBLY**

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A 000-1304-6  B 092-1028-7  C 091-1040-4
0.9 12 20
0.9 12 20 12
20 20 20 20
Fig. 9 CF/AB-320 Fan-Heater Assembly, p. 1 of 2
### CF/AB-320 Fan-Heater Control Box

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B 091-1049-5 ESNA 1/4-20                               2  2
C 092-1006-3 Flat washer 1/4                           2  2
D 092-1024-6 Lock washer 1/4 int teeth                 1  1
E 090-1193-3 PHST #8x3/8 Type B                        4  4
F 090-1482-0 PHST #6x1/2 Type A                        2  2
G 090-1405-1 PHST #6-32x7/8 Type F                     2  2
H 090-1362-4 RHST #12x1/2 Type A                       3  5
Fig. 10  CF/AB-320 Fan-Heater Control Box
Fig. 11 CF/AB-320 FAN-HEATER PLUMBING

<table>
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<td>401-4001-6</td>
<td>PLUMBING COVER PLATE</td>
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Fig. 11  CF/AB-320 Fan-Heater Plumbing
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>BBLT</td>
<td>Bin bolt</td>
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<tr>
<td>CBLT</td>
<td>Carriage head bolt</td>
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<tr>
<td>ESNA</td>
<td>Locknut</td>
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<tr>
<td>FHMS</td>
<td>Flat head machine screw</td>
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<tr>
<td>HFST</td>
<td>Hex flange self tap</td>
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<tr>
<td>HFWL</td>
<td>Hex flange whiz lock</td>
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<tr>
<td>HHCS</td>
<td>Hex head cap screw</td>
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<tr>
<td>HHST</td>
<td>Hex head self tap</td>
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<tr>
<td>HWST</td>
<td>Hex washer self tap</td>
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<tr>
<td>KCSS</td>
<td>Knurl cup set screw</td>
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<tr>
<td>PHMS</td>
<td>Pan head machine screw</td>
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<tr>
<td>PHST</td>
<td>Pan head self tap</td>
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<tr>
<td>RHMS</td>
<td>Round head machine screw</td>
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<tr>
<td>RHST</td>
<td>Round head self tap</td>
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<tr>
<td>SFBP</td>
<td>Socket flat head screw</td>
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<tr>
<td>SHBP</td>
<td>Square head set screw, beveled</td>
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<tr>
<td>SHCP</td>
<td>Square head set screw, cup point</td>
</tr>
<tr>
<td>SKCS</td>
<td>Socket head cap screw</td>
</tr>
<tr>
<td>SKCP</td>
<td>Socket head set screw, cup point</td>
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<tr>
<td>STAP</td>
<td>Self tap</td>
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<tr>
<td>THMB</td>
<td>Thumb screw</td>
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<tr>
<td>THWL</td>
<td>Truss head whiz lock</td>
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<td>TRSS</td>
<td>Truss head machine screw</td>
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