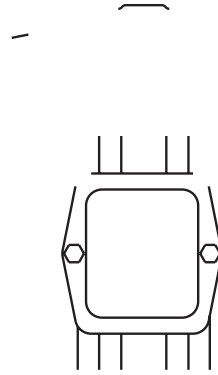
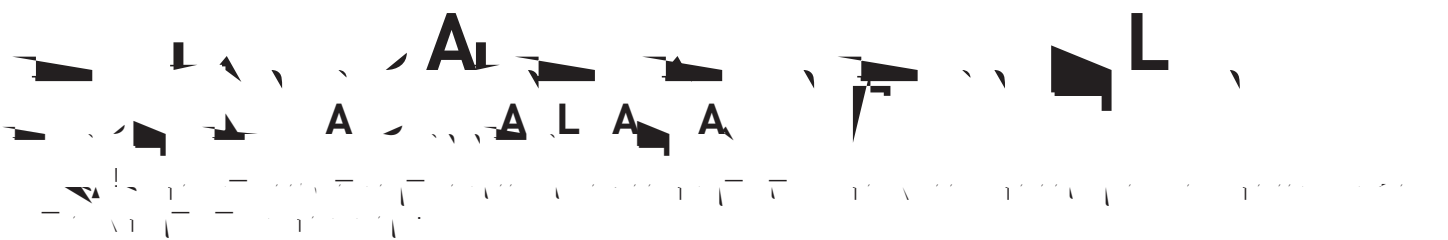




AURORA®



MODEL 383



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ATTENTION: SAFETY WARNINGS:

Read and understand all warnings before installing or servicing pump.

OPERATIONAL LIMITS*:

Maximum Operating Pressure: 175 psi at Temperatures to 150°F (66°C)

Maximum Operating Temperature: 225°F (107°C)

*See ASTM A126/ANSI B16.1 for pressure/temperature ratings of flanges.

ELECTRICAL SAFETY:

HIGH PRESSURE SAFETY:

SERVICE:

Your Aurora pump requires little maintenance other than periodic inspection, occasional cleaning, lubrication of bearings and gland adjustments to minimize packing leakage. The intent of inspection is to prevent breakdown, thus obtaining optimum service life. The liquid end of the pump is lubricated by the fluid being pumped and therefore does not require periodic lubrication. The motor, however, may require lubrication, in which case the motor manufacturer's recommendation should be followed.

REPAIRS:

Before starting any work, ensure the electrical power is locked out, the system pressure has been lowered to 0 psi and temperature of the unit is at a safe level.

The pump may be disassembled using the illustrations and text provided. Although complete disassembly is covered, it will seldom be necessary to completely disassemble your Aurora pump.

Inspect removed parts at disassembly to determine if they can be reused. Ball bearings that turn roughly or show wear should be replaced. Cracked casings should never be reused. Scored or worn pump shafts should be replaced. Gaskets should be replaced at reassembly simply as a matter of economy. They are much less expensive to replace routinely than to replace as the need arises. In general it is economical to return to the manufacturer for repair of only the motor and motor controller.

DISASSEMBLY:

Disassemble only what is needed to make repairs or to accomplish inspection. Proceed to disassemble the pump as follows:

1. Break electrical connections to prevent any possibility of pump starting during disassembly.
2. Remove plug (74) from casing (6) to drain pump.
3. Remove all relief, cooling, flushing, or drain lines from the pump including compression connections (1 & 2), ball valve (75) and tubing (3) if provided. Break suction and discharge connections only if it is desired to remove casing (6).
4. Remove capscrews (5) and two nuts (5) if it is desired to remove casing (6).

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5. Unscrew impeller screw (9) and remove washer (9A), gasket (9B) and seal washer (9C).

6. Slide impeller (11) and impeller key (12) from the shaft. Remove O-ring (10).

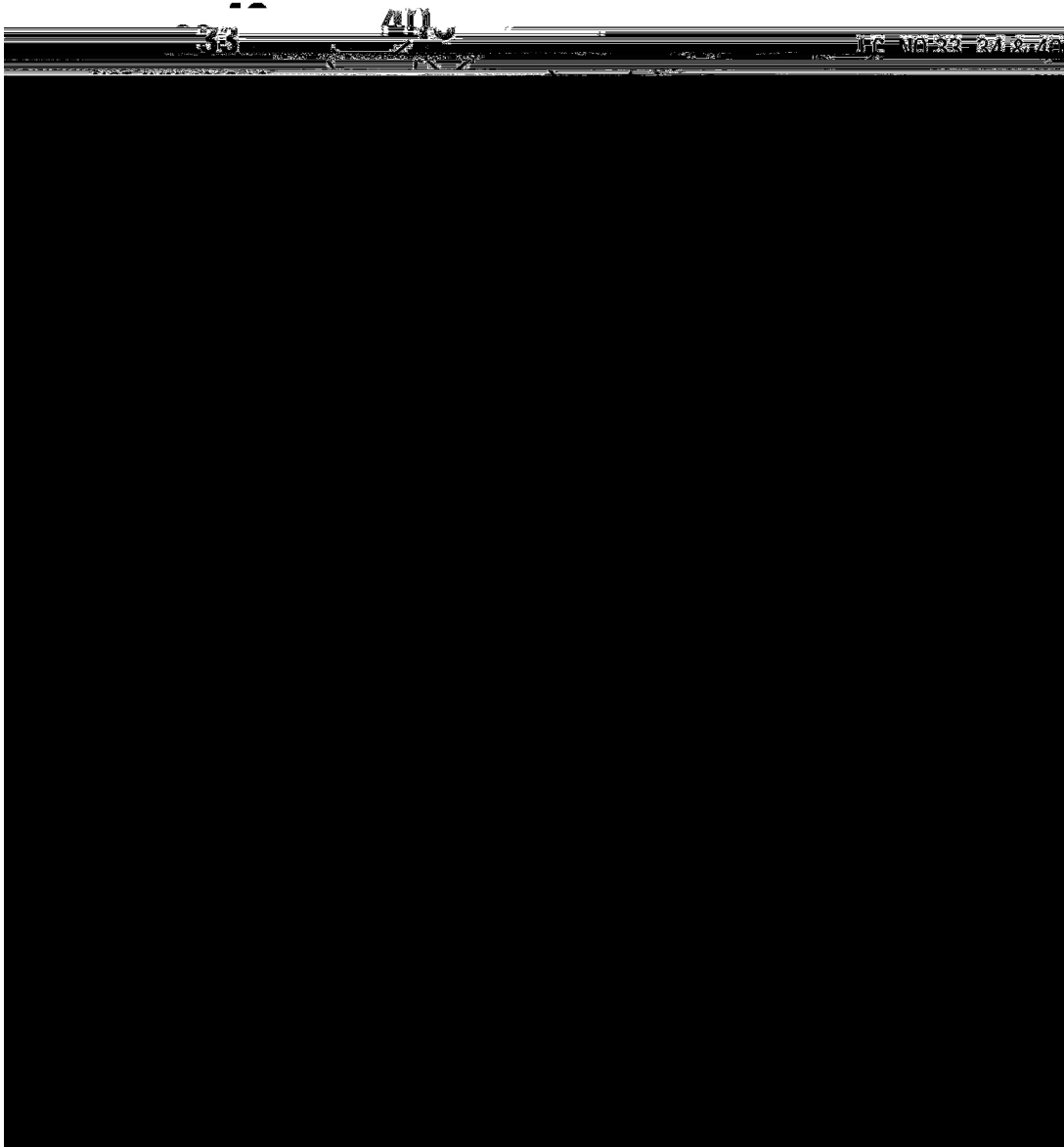
7. Wearing ring(s) (7 & 16) are pressed into their housings with an interference fit and must be removed with a puller if new rings are required.

8. Remove the impeller screw (9), washer (9A), gasket (9B), seal washer (9C), O-ring (10), impeller (11), impeller key (12), and impeller housing (13). Remove the impeller housing (13) halves (23).

9. Unscrew remaining capscrews (41) and remove cover assembly (26).

10.

MODEL 383



MODEL 383 LIST OF PARTS

- | | | |
|------------------------|------------------|----------------------|
| 1. Compression Fitting | 10. Gasket | 34. Nameplate |
| 2. Compression Elbow | 11. Impeller | 35. Bracket |
| 3. Tubing | 12. Impeller Key | 39. Capscrew |
| 4. Pipe Plug | 16. Wear Ring | 40. Nameplate Holder |
| 5. Capscrew | 22. Clamp | 41. Capscrew |
| 6. Casing | 23. Gland | 65. Capscrew |
| 7. Wear Ring | 25. Sleeve | 68. Pipe Plug |
| 8. Gasket | 26. Cover | 73. Base |
| 9. Impeller Screw | 28. Packing | 74. Pipe Plug |
| 9A. Washer | 29. Lantern Ring | 75. Ball Valve |
| 9B. Gasket | 32. Capscrew | 76. Nipple |
| 9C. Seal Washer | 33. Screw | |

AURORA PUMP RESERVES THE RIGHT TO SUBSTITUTE MATERIALS WITHOUT NOTICE.

NOTE: WHEN ORDERING SPARE PARTS ALWAYS INCLUDE THE PUMP TYPE, SIZE, SERIAL NUMBER, AND THE PIECE NUMBER FROM THE EXPLODED VIEW IN THIS MANUAL. ORDER ALL PARTS FROM YOUR LOCAL AUTHORIZED DISTRIBUTOR OR THE FACTORY AT NORTH AURORA, ILLINOIS.

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← A → A → B A I

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