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CAUTION! Before proceeding make sure the electrical service to the fan is locked in "OFF" position.

AIR CIRCULATION SYSTEM MAINTENANCE

Regular Maintenance - Regularly scheduled inspection of all fan parts establishes a good maintenance routine. When the air is clean, maintenance can be as infrequent as once a year. When air is contaminated, maintenance may be required as often as once a month. Regular maintenance should include inspection and cleaning of all fan parts.

Belt Drives - Check belt tension after first 48 hours of operation and thereafter annually. It should be possible to depress belt approximately 1/2" at its mid-point between pulleys. If belt shows wear it should be replaced. Motor pulley should be replaced if it shows evidence of excessive wear or "grooving".

WARNING Do not operate at speeds higher than catalogued or motor may be overloaded. Do not replace motor pulley with larger diameter or fan pulley with smaller diameter.

Fan Shaft Bearings - Standard equipment on this product includes ACME Captive Bearing arrangement. This includes prelubricated and sealed oversized ball bearings that do not require relubrication. Should bearings require replacement, remove the top half of the die formed bearing cap. Replacement bearings should be comparable to original equipment. Install new bearings into neoprene rings. Check correct position of propeller with inlet venturi. Position bearings in die formed recess and lock bearing to shaft. Replace die formed bearing cap and tighten four hold down bolts.

Motors - Most motors on this product are prelubricated and do not require additional lubrication. Grease fittings on the motor indicate the exception and these should be lubricated in accordance with printed instructions on the motor. If motor requires replacement, a comparable one to the original with same service factor must be used.

Replacement Parts are available through your local ACME representative or distributor.

EXHAUST FANS

This information is based on ACME brand products. Others may be different.

1. Motor bearings are prelubricated. Consult information printed on motor for lubrication instructions.

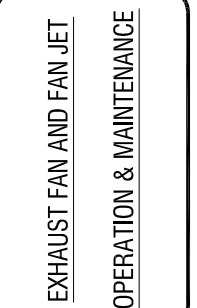
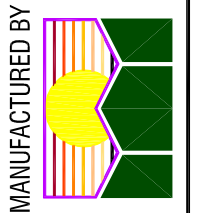
2. Propeller shaft bearings are prelubricated, sealed and require no service.

3. Check belt tension after first 48 hours of operation and thereafter annually. Belt should depress its width when pressed firmly inward at midway point between the pulleys. Too much tension will damage bearings; belt should be tight enough to prevent slippage. When replacing worn belt, replace motor pulley if "shoulder" is worn in groove.

WARNING! Do not operate at higher speeds than rated. Do not replace motor pulley with a larger diameter pulley. Do not replace the fan pulley with one smaller in diameter. The pulley ratios are set so that the motor will not be overloaded.

4. If motor requires replacement, a comparable one to the original with the same service factor and enclosure must be used.

5. If propeller shaft bearings need replacement, replace with bearings comparable to original equipment. For die formed type support housing install new bearings into neoprene rings, check correct position of propeller with orifice, position bearings in die formed recess and tighten setscrews. Replace die formed bearing cap and tighten four bolts. **NOTE:** If locking collar type bearing is used, collar must first be positioned against inner race on bearing nearest propeller and turned in direction of propeller rotation with drift pin and hammer until it locks. Locking collars must be on inboard (facing) sides of the bearings. Secure bearing to shaft with setscrew. Lock and secure other bearing to shaft in same manner.



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| DATE: 12/18/00 |
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| DRAWN BY: ALP |
| DRAWING NUMBER EXF-OM |
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