



OPERATING, MAINTENANCE & WARRANTY

Inspection

Check immediately for shipping damages. Direct drive motor shafts should turn freely. Every stirrer has been inspected for proper operation prior to packing and shipment.

Chuck Mounting

Every stirrer is equipped with a chuck that is easily mounted on the motor shaft with the use of the hex key. The set-screw should be tightened down on the **FLAT** portion of the motor drive shaft. Be sure chuck does **NOT** touch the motor or gear housings.

Gears

CAUTION! - Gear failure can occur from improper use of collet chucks. For proper installation of mixing paddles, use two (2) 5/8" wrenches; one holding the chuck body and the second to tighten the chuck nut onto the paddle. While the gear is designed to handle the motor torque, it is not intended to handle the torque required to tighten the chuck and will fail.

Mounting Rod

Stirrers are supplied with an adjustable mounting rod. Insert the mounting rod between the two (2) motor brackets and position the carriage bolt properly in the square hole. Tighten the lock nut with the wrench provided. When the desired angle of mixing is determined, the special vibration resistant lock nut should be tightened in place.

Starting

Models 101, 102, 103, 103A, 104, 104A, 107SC, 4104 and 4104A have "OFF" switches incorporated in the speed control. The motor is started by turning the knob clockwise towards 100. Turn back to "ZERO" to click the complete shut-off. Models 133, 134-1, 134-2, 138, 238, 4134, 4136, 409 and 429 have a separate "ON/OFF" switch on the side of the speed control. Models 103X, 104X, 105, 107 and 4104X have "ON/OFF" switches only.

Overload Protection

CAUTION! - Models 105 and 107 are equipped with an internal thermal overload device that will stop the motor when overloaded and automatically restart the motor when it has cooled. All other models have replaceable fuses. An extra fuse is packaged with each stirrer.

Maintenance

Brushes & Springs - Inspect brushes regularly for wear. Replace brushes and springs when the brush length is 1/4" less.

Warranty

Troemner warrants this stirrer to be free from defects in material and workmanship for a period of five (5) years from the date of manufacture, when used in accordance with nameplate and catalog specifications. This warranty does not apply to parts consumed by normal wear and tear, including but not limited to - brushes, springs and gears. Troemner's warranty liability is solely limited to the repair of it's products and is not liable for any consequential, incidental or indirect damages or expenses associated with the warranted products.

Returns

Before returning any equipment, you must obtain an RA #. Please call 856-686-1600 with a model number and serial number of the unit along with your reason for return. We cannot take responsibility for damage resulting during return shipment. Please package the unit properly. All returned items must be shipped prepaid and should be insured against loss of damage. Please include information as to what is wrong with the unit. Items deemed not covered by the above warranty will be repaired after approval of repair charges by the customer.

REPLACEMENT PART NUMBERS

Model #	Fuse	Brushes & Springs
101	220672-00	220556-00
102	220672-00	220556-00
103	220673-00	220556-00
103A	220673-00	220556-00
103X	220673-00	220556-00
104	220674-00	220574-00*
104A	220674-00	220574-00*
104X	220674-00	220574-00*
105		
107		
107SC	220673-00	
133	220673-00	220556-00
134-1	220674-00	220574-00*
138	220676-00	220574-00*
238	220676-00	220574-00*
409	220678-00	220574-00*
429	220678-00	220574-00*
4136	220677-00	220556-00
134-2	220674-00	220574-00
134-2		

These numbers apply to all motors that start with serial number 00-09 and up. For all other serial numbers, please call Inside Sales at 856.686.1600.

* Manufactured after 2006. For units manufactured before 2006 please contact Inside Sales at 856.686.1600.

Manufactured by:



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220523-00 (REV 3 - 6/15)