

REPLACEMENT PART NUMBERS

Model #	Fuse	Brushes & Springs	Gear
101	101-20	138-01-04	
102	101-20	138-01-04	138-01-21
103	103-20	138-01-04	
103A	103-20	138-01-04	
103X	103-20	138-01-04	
104	4104-20	138-01-04	138-01-21
104A	4104-20	138-01-04	138-01-21
104X	4104-20	138-01-04	138-01-21
105			
107			
107SC	103-20		
133	103-20	138-01-04	
134-1	4104-20	138-01-04	
138	138-20	138-01-04	138-01-21
238	138-20	138-01-04	138-01-21
409	115-20	409-01-04	
429	115-20	409-01-04	
4104	4104-20	138-01-04	138-01-21
4104A	4104-20	138-01-04	138-01-21
4104X	4104-20	138-01-04	138-01-21
4134	4104-20	138-01-04	138-01-21
4136	4136-20	138-01-04	138-01-21
134-2	4104-20	138-01-04	1342-01-21 10:01
134-2			1342-01-24 6:01

These numbers apply to all motors that start with serial number 00-09 and up. For all other serial numbers, please call customer service at 856-686-1600.

INSTRUCTION MANUAL FOR TALBOYS/TROEMNER STIRRERS

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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 two (2) 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 its 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.