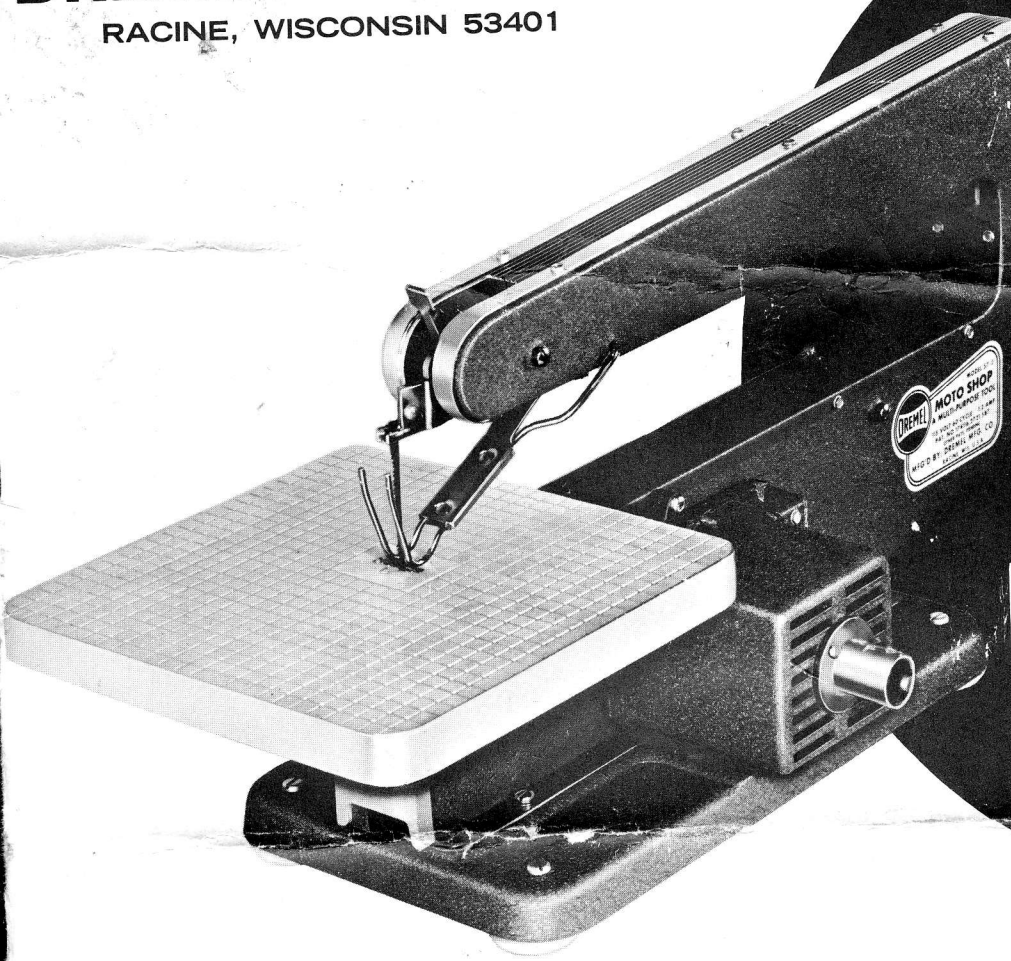
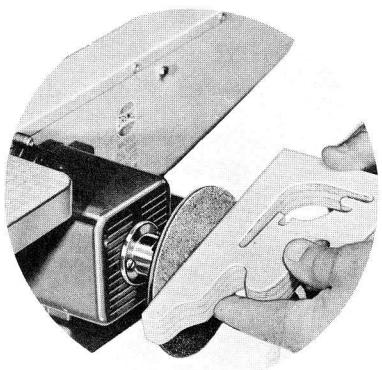
DREMEL MFG. CO.,
RACINE, WISCONSIN 53401

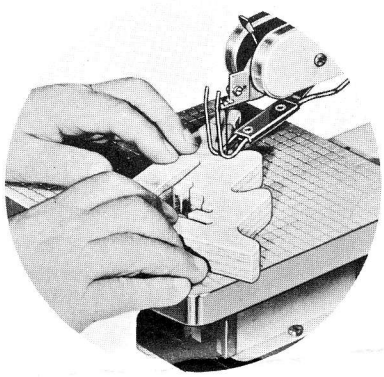
How To Get The Most From Your DREMEL MOTO-SHOP



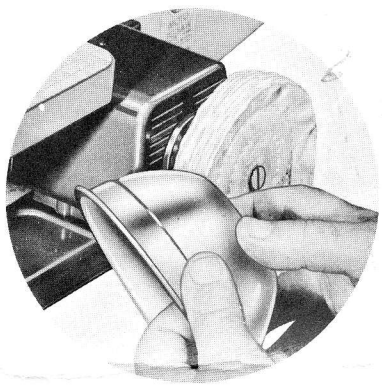
SPECIAL OFFER
See Page 3



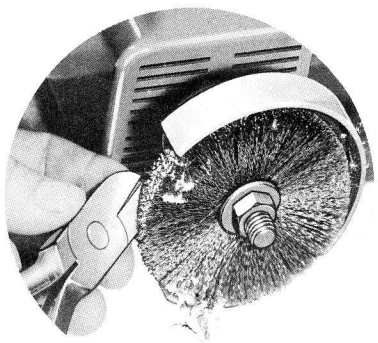
DISC SANDER For shaping small pieces and trueing-up uneven surfaces. Sanding discs are mounted on rubber backing pad.



JIG SAW From small scroll work to full size furniture, it handles everything. Cuts 1¾" wood, 18 gauge copper, ¼" aluminum, 1/16" steel.

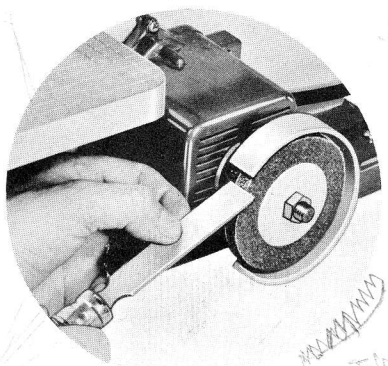


BUFFING WHEEL Cotton buffing wheel is used for polishing jewelry, silverware dishes, golf clubs. 421 polishing compound provides high luster finish.



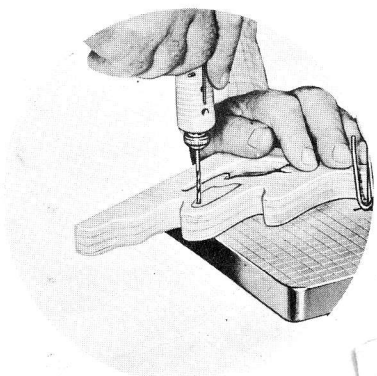
WIRE WHEEL Very effective in removing rust, dirt, or discoloring, from shop and garden tools, utensils, appliances and golf clubs.

ATTACHMENTS Convert MOTO-SHOP to a Complete Power Workshop



GRINDING WHEEL Especially useful for sharpening knives, scissors, drill bits, chisels, and other cutting tools. Ideal for deburring or shaping metal parts.

FLEXIBLE SHAFT Hundreds of uses in grinding, drilling, carving, routing, sanding, polishing, engraving, etc. Especially useful in drilling holes to 5/32".



SUGGESTIONS FOR GETTING THE GREATEST PLEASURE FROM YOUR DREMEL MOTO-SHOP

The Dremel Moto-Shop is a bright new concept in multi-purpose tools. By connecting different attachments to the power take-off, the Moto-Shop is converted from the basic jig saw to a bench grinder, disc sander, buffing wheel, wire brush wheel, and a flexible shaft machine. Then you are able not only to saw, but drill, grind, polish, rout, sharpen, sand, buff, carve, engrave and many other hobby, home or shop operations. If you did not purchase the Deluxe-Moto-Shop, not all the following instructions will apply.

ATTACHING SAW TABLE—See instructions printed on insert of packing carton. DO NOT OPERATE MACHINE WITHOUT ATTACHING TABLE.

INSERTING BLADE—Hold blade with teeth pointing downward and place into the small slot of both upper and lower blade holder. Apply tension by pulling lever on top of blade holder toward you. For cutting material longer than the 15" throat capacity, place the blade in either side positions. The capacity is then unlimited.

MOTOR—Runs on 110-120 Volt, 60 cycle, AC, and produces 3450 R.P.M. It is equipped with two sealed ball bearings. No oiling is needed. Characteristically, this shaded pole-type motor runs a bit warm. However, overheating will not affect its operation.

OILING—A few drops of ordinary motor oil should occasionally be placed on the connecting link bearing through the hole on the left side of the frame. For oiling, lay Moto-Shop on its side.

CUTTING CAPACITY—Soft wood up to 1¾" and hardwood up to ½" in thickness can be cut. FEED WOOD SLOWLY. DO NOT FORCE. When cutting wood over 1¼", the blade guard must be removed. To remove guard, simply pull out the ends of the guard where they enter the frame. When thru sawing, BE SURE TO REPLACE GUARD.

SAWING METALS—Moto-Shop can saw aluminum to ¼" thick, copper to 18 gauge, and steel to 1/16" thick. When sawing metal, it is important to hold the work firmly on the table, use oil as a lubricant, and feed the work with a slow, steady pressure. Do not force it.

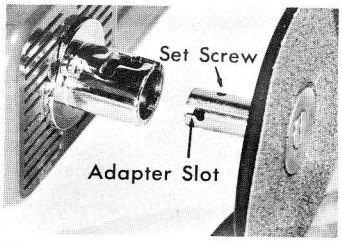
BLADE GUARD—The blade guard on Moto-Shop is an exclusive Dremel feature and is considered one of the safest. It functions also as a hold-down.

INCREASING BLADE LIFE—When blade teeth become dull in one spot, simply loosen the lower wing nut located just beneath the saw table, and raise the table up to a section of new, unused teeth.

TILTING TABLE—For angle sawing, the table can be tilted in either direction. Loosen the top wing nut located just beneath the saw table, and tilt to the desired angle following the calibrated scale.

MAKING INSIDE CUTS—First, use the flexible shaft to drill a 5/32" hole in the area to be sawed out. Then, remove the blade, thread it through the hole, and return it to the cutting position.

HOLDING MOTO-SHOP IN PLACE—On a fairly smooth table or bench, the rubber suction cups will keep it from sliding. Otherwise, set the machine on a ½" thick rubber pad, such as a household kneeling pad.



ATTACHING ACCESSORIES—The round extension on the motor housing is the power take-off for driving the sander, and the wire, buffing, and grinding wheels. These are mounted on special adapters which fit into the power take-off. BE SURE THE MOTOR IS TURNED OFF. Line up pin in the motor shaft with the slot in the adapter and press forward as far as it will go. Turn the wheel slowly until the adapter set screw comes into view. Then tighten lightly. This screw does not drive the shaft it merely minimizes vibration and wheel drifting. It does not have to be too tight.

ATTACHING FLEXIBLE SHAFT—Be sure MOTOR IS RUNNING before the cable is engaged. DO NOT REMOVE NOR LOOSEN SCREW IN NYLON COUPLING. Insert the black nylon coupling over the power take-off. Push the coupling on as far as it will go, and lock in place by turning the coupling counterclockwise. To prevent the cable from becoming disconnected while the machine is running, simply grasp the handpiece and twist the cable one-half turn counter-clockwise.

FLEXIBLE SHAFT HANDPIECE—The handpiece is equipped with a chuck accommodating 1/16", 3/32", and 1/8" collets. When changing accessories, press down on the chuck lever located at the front end of the handpiece. Turn the chuck until the lever engages; this will lock the chuck from turning. The chuck nut can now be turned in either direction for inserting or removing accessories. NEVER PRESS THE CHUCK STOP LEVER WHILE THE SHAFT IS RUNNING. The handpiece does not require oiling or adjustments.

For doing close work, a finger grip is furnished which can be slipped on and off the handpiece. Tighten the chuck nut as tightly as possible to prevent the accessory slipping.

To change collets when different accessories are used, unscrew the chuck cap all the way and insert new collet. If an accessory does not run true, often turning the collet ¼ turn will balance it perfectly.

For best results, use the flexible shaft with a delicate touch. To prevent stalling the motor, press the tool lightly against the work, and never force the tool beyond its capacity.

ATTACHING WHEEL GUARD—For safety, be sure the guard is used when operating the grinding or wire brush wheels. To attach, be sure THE MOTOR IS TURNED OFF. Remove the protective cover plate from the guard by removing the two screws. Remove wheel and arbor from the guard, and slip the guard onto the power take-off. With the opening of the guard facing to the front, push the guard as far as it will go, and tighten the screw clamping it into place. Insert grinding wheel on the shaft, and with a slight pressure on the wheel, rotate it until the pin engages in the arbor and the wheel is flush with the guard edge. Continue to rotate the wheel slowly until the adapter set screw comes into view. Tighten the screw. Replace cover plate.

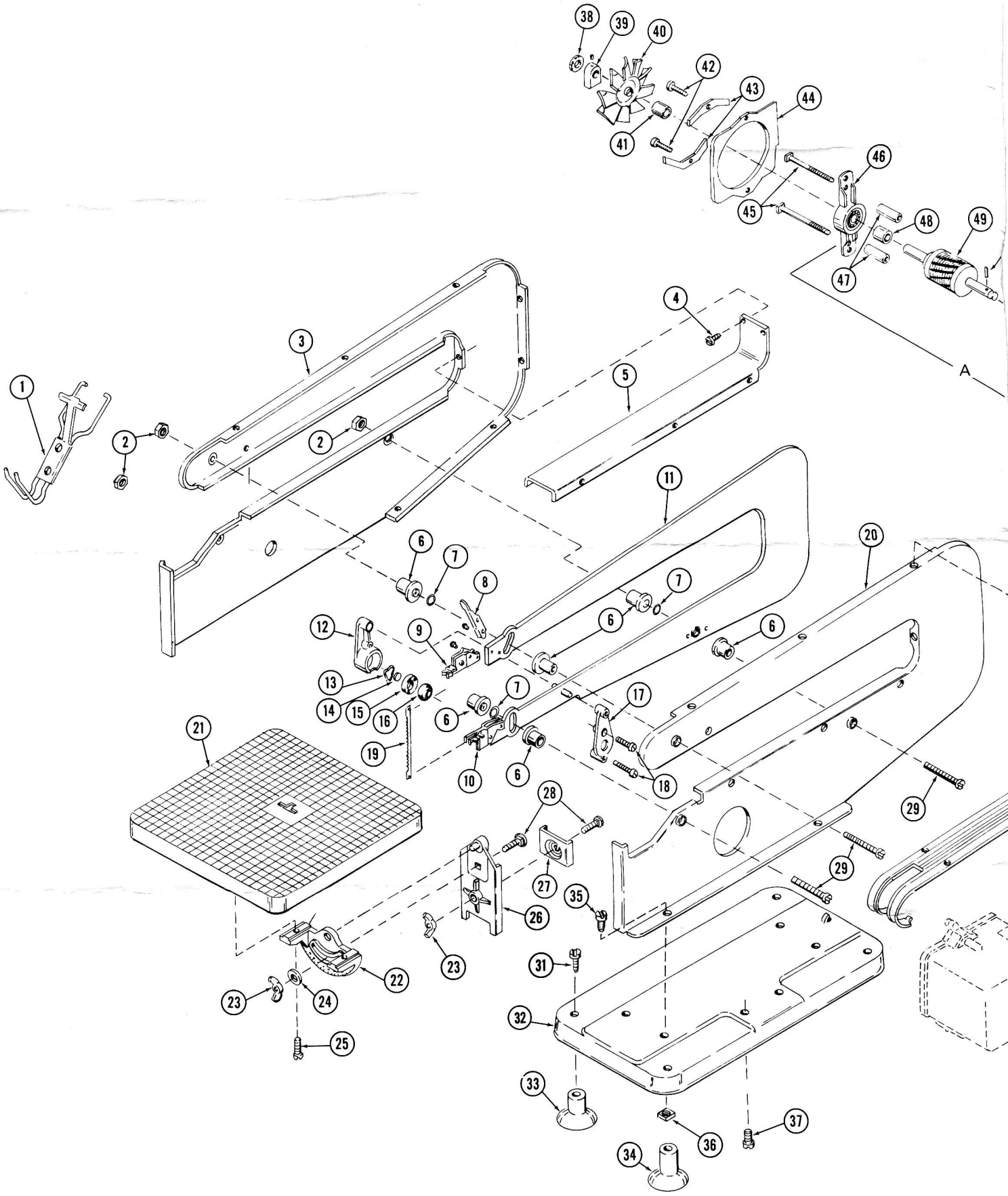
SERVICE—Should your Moto-Shop require repair service, DO NOT SEND IT TO OUR MAIN PLANT. Write FIRST for shipping instructions.

In countries outside the U.S., contact your local distributor for repair information.

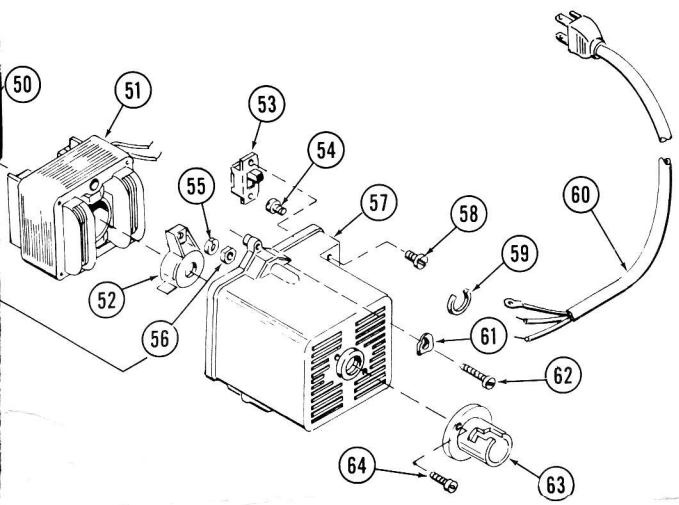
DREMEL MANUFACTURING CO., Racine, Wisconsin

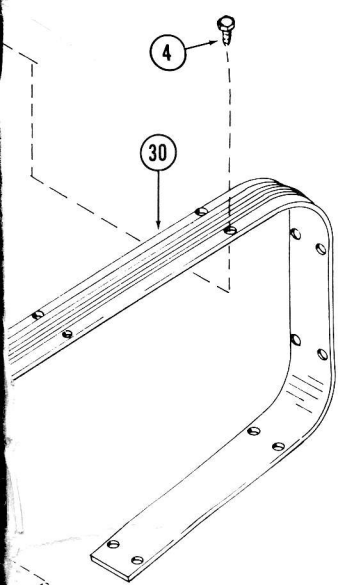
Form 443000

REPAIR PARTS LIST FOR MOTO-S



HOP MODEL 57-2





THIS IS YOUR GUARANTEE OF SERVICE

Your Dremel Moto-Shop has been thoroughly tested and inspected before leaving the factory. It is fully guaranteed against defective workmanship and material. Any parts proving defective within one year from date of purchase will be repaired or replaced free of charge.

This guarantee does not cover parts damaged from abusive treatment, accidents, or ordinary wear. Guarantee is void if machine shows signs of tampering.

Should your machine require repair service, DO NOT SEND IT TO OUR MAIN PLANT. Write us first for complete shipping instructions.

DREMEL MANUFACTURING COMPANY
RACINE, WISCONSIN, U.S.A. 53401
Countries Outside The U.S.A. Contact Your Local Distributor

ORDER BY PART NUMBER NOT BY CODE NUMBER

Code	Part Number	Description
1	4046	Guard
2	4035	#10-32 Hex Nuts
3	15071	Left Side Frame
4	4033	Trim Screws
5	15021	Frame Cover
6	15068	Nylon Guide
7	62	Thrust Washer
8	15012	Blade Lock Cam
9	15011	Pair Upper Blade Holders
10	15014	Pair Lower Blade Holders
11	15010	Bow Complete
12	15006	Connecting Link Half A
13	15077	Wave Washer
14	15076	Felt Disc
15	15008	Bearing Seat
16	15025	Link Bearing
17	15007	Connecting Link Half B
18	15036	#6-20 Connecting Link Screw
19	8029	Fine Tooth Blade
19	8030	Coarse Tooth Blade
20	15018	Right Frame Side
21	15002	Table
22	4005	Table Tilting Bracket
23	4032	3/16-24 Wing Nut
24	3032	Washer
25	4030	#10-24 Tilt Bracket Screw
26	4004	Table Bracket
27	4022	Table Clamp
28	4031	Carriage Bolt 3/16—24-3/4" long (2 required)
29	15034	Bow Pivot Screw (3 required)
30	15020	Trim Strip
31	4060	#10 Suction Cup Screw
32	4019	Base
33	15087	Short Suction Cup
34	4023	Long Suction Cup
35	3027	Base Screw
36	4064	10-32 Square Nut
37	4072	Motor Mounting Screw (10/24 Clutch Head)
38	15076	Felt Washer
39	15026	Counter Weight (Compl. with Set Screw)
40	15091	Fan
41	15085	Fan Spacer
42	4063	Bearing Bracket Screws (10/24)
43	15078	Baffle Keepers (2 required)
44	15086	Fan Baffle
45	15029	Field Bolt (2 required)
46	4209	Bearing Bracket (Compl. with Bearing)
47	15088	Field Bolt Spacer
48	15079	Rotor Spacer
49	15089	Rotor
50	4230	Spiral Pin
51	15005	Field Complete
52	15090	Bearing Bracket (with Bearing)
53	4013	Switch
54	8038	Ground Screw
55	4067	#10 Lockwasher
56	4035	10-32 Nut
57	4001	Motor Housing
58	4033	Switch Screw
59	4016	Strain Relief
60	4038	Cord
61	4068	Screw Keeper
62	4040	Upper Motor Mounting Screw
63	4208	Housing Extension
64	4225	Housing Extension Screw
A	15084	Complete Motor Assembly (Less Housing)