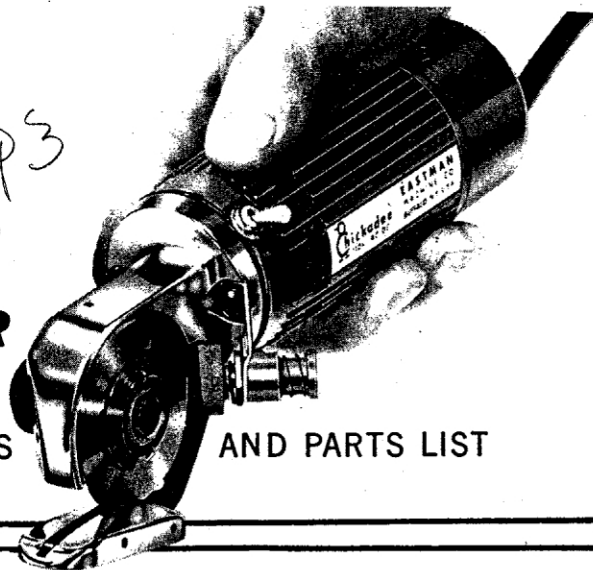


*the*  
**EASTMAN**  
**Chickadee**<sup>®</sup>  
**ROTARY SHEAR**

P3



**MAINTENANCE, INSTRUCTIONS AND PARTS LIST**

The Chickadee Rotary Shear has been carefully designed by Eastman Machine Company to efficiently cut a variety of fabrics and provide many years of trouble-free service. Among its many important features are an improved cool running motor design that permits easy removal of carbon motor brushes, for inspection or replacement, and on/off switch moved forward on the motor housing for easy thumbing while the machine is in use. Important: Do not cover ring of vent openings on motor housing. Sealing these vent holes will cause excessive heat rise in motor. Keep this machine free of lint and dirt. For best results, blow-out frequently with compressed air while the motor is running. Always disconnect electric cord before adjusting or disassembling machine.

**TO LUBRICATE**

A few drops of 30 weight, non-detergent machine oil once a day while operating are all that is required to keep the Chickadee lubricated. The parts illustration (other side) indicates the four recommended lubrication points.

**Once A Day Lubrication** — Remove "Tension Nut" from standard housing and insert a few drops of oil inside back end of shaft "A". Replace "Tension Nut". Insert a few drops of oil at points "B", "C", and "D".

**TO SHARPEN KNIFE**

Press sharpener (541C1-22) lightly against the knife edge. For clean cutting sharpen frequently with a light touch.

**TO REMOVE KNIFE**

Remove lock nut (4C1-194) with a large blade screwdriver, or coin, by turning counter-clockwise. Lift knife (80C1-123) from gear. When replacing knife, be sure the knife is installed so that the Eastman name is in the outward position.

**TO REPLACE MOTOR BRUSHES**

It is recommended that carbon motor brushes be inspected after every 200 hrs. of operation. These brushes may be easily removed by following this simple procedure. Remove plastic cap (86C7-36) from rear of motor. Cap is held in place by two (2) machine screws (301C8-2). Remove brush cap screw (86C7-37) and brush and spring may be easily extracted. Note: when inserting brush and spring (708C1-13) position spring into extension of brush cap screw (86C7-37).

**TO CLEAN SHARPENING STONE**

Sharpening stone (541C1-22) may be easily cleaned using cleaning fluid and a stiff bristled brush.

**TO REPLACE SHARPENING STONE**

Sharpening stone may be replaced as required without disassembling cutting head. Remove knife lock nut (4C1-194) and knife (80C1-123). Remove sharpener button (63C3-21) and sharpener spring (34C10-131) from rear of sharpener assembly. Sharpening stone and bushing assembly can then be removed from front of sharpener bracket (636C1-3). Remove retaining ring (18C6-23) from shaft of sharpening stone (541C1-22) and remove stone. Note: This procedure is reversed when reassembling.

**TO REPLACE SWITCH**

Remove two (2) screws (300C12-6) and separate cutting head assembly from motor housing (122C1-11). Remove switch locknut and guard (25C5-54) from exterior switch assembly (580C1-78). Remove switch from motor housing (122C1-11) and unsolder wires. Carefully solder wires to new switch with rosin core solder only (do not use paste or acid). Replace switch in motor housing (122C1-11) and complete reassembly.

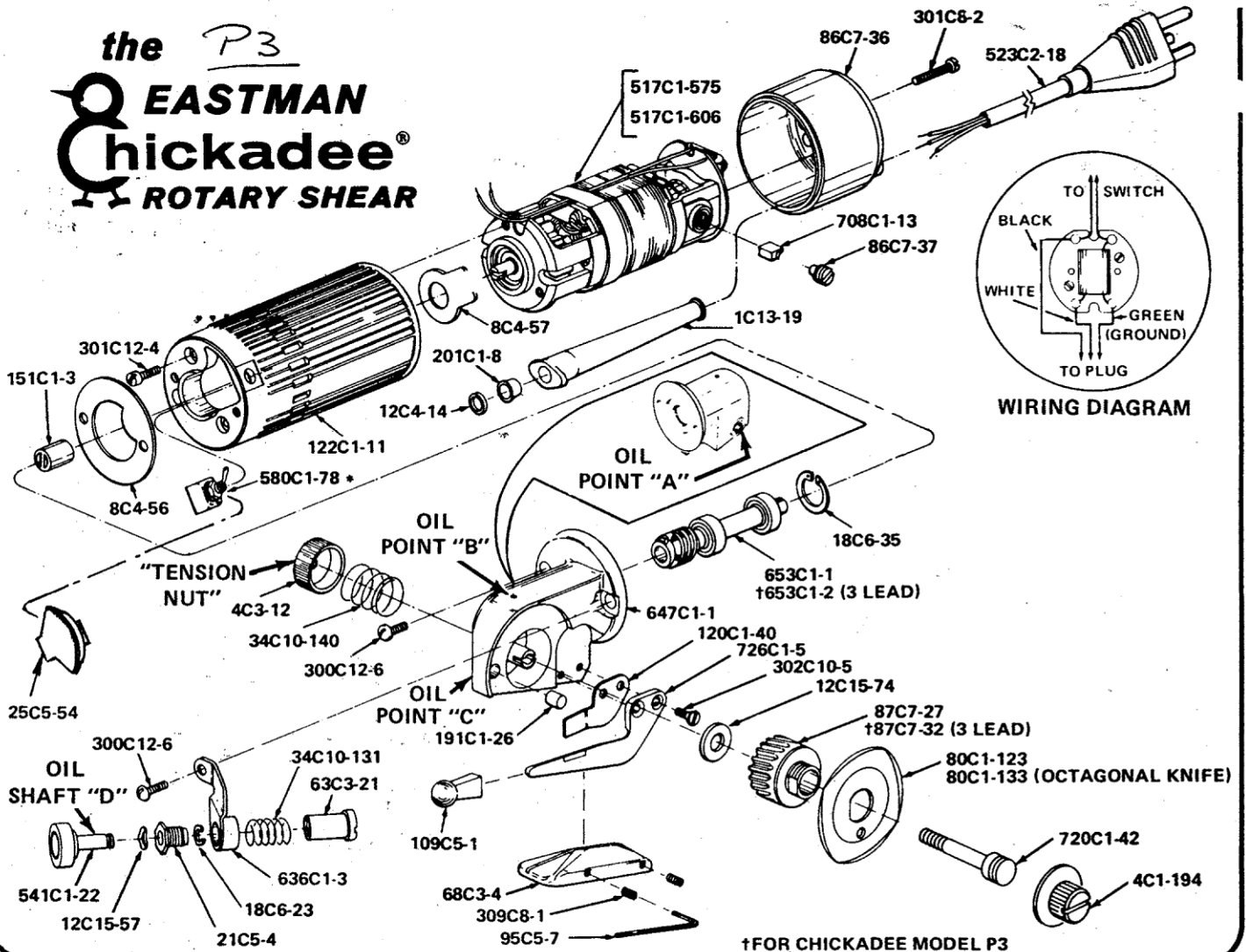
**BALL TIP AND SHEAR PLATE FOOT FURNISHED**

A ball tip (109C5-1) for cutting knit and other loosely woven materials and shear plate foot (68C3-4) for additional support and cutting accuracy are furnished as standard. To attach shear plate foot to shear plate (726C1-5) use allen key (95C5-7) as illustrated on other side.

**ALL PARTS NUMBERS SHOWN HEREWITH REFER TO THE PARTS LIST AND ILLUSTRATIONS ON THE OTHER SIDE.**

**Eastmanmachine**  
**COMPANY**

the P3  
**EASTMAN**  
**Chickadee**<sup>®</sup>  
**ROTARY SHEAR**



†FOR CHICKADEE MODEL P3

Part. No.	Description	Part. No.	Description
1C13-19	LINE CORD SLEEVE	201C1-8	LINE CORD EYELET
4C1-194	KNIFE LOCK NUT	300C12-6	SCREW, 8-32 x 1/2 ROUND HD. 2 REQ'D
4C3-12	ADJUSTING NUT	301C8-2	SCREW, 4-40 x 7/8 FILLISTER HD. 2 REQ'D
8C4-56	SWITCH INSULATION	301C12-4	SCREW, 8-32 x 1/2 FILLISTER HD. 3 REQ'D
8C4-57	SWITCH INSULATION	302C10-5	SCREW, 6-32 x 3/8 FLAT HD. 2 REQ'D
12C4-14	INSULATING WASHER	309C8-1	SCREW, 4-40 x 1/4 SOCKET SET 2 REQ'D
12C15-57	SPRING WASHER	517C1-575	MOTOR, COMPLETE, 110 VOLT
12C15-74	SPACING WASHER	517C1-606	MOTOR, COMPLETE, 220 VOLT
18C6-23	RETAINING RING	523C2-18	MOTOR LINE CORD
18C6-35	RETAINING RING	541C1-22	SHARPENING STONE
21C5-4	SHARPENER BUSHING	580C1-78	SWITCH, COMPLETE
25C5-54	GUARD FOR SWITCH	636C1-3	SHARPENER BRACKET
34C10-131	SHARPENER SPRING	647C1-1	STANDARD HOUSING
34C10-140	KNIFE SPRING	653C1-1	WORM, COMPLETE
63C3-21	SHARPENER BUTTON	†653C1-2	3 LEAD WORM, COMPLETE
68C3-4	SHEAR PLATE FOOT	708C1-13	BRUSH WITH SPRING
80C1-123	KNIFE	720C1-42	KNIFE ROD, COMPLETE
80C1-133 (Optional)	OCTAGONAL KNIFE	726C1-5	SHEAR PLATE
86C7-36	MOTOR CAP	580C1-35	SWITCH, LONG HANDLE CHICKADEE
86C7-37	BRUSH CAP		†FOR CHICKADEE MODEL P3
87C7-27	KNIFE GEAR		
†87C7-32	3 LEAD KNIFE GEAR		
95C5-7	ALLEN KEY		
109C5-1	BALL TIP		
120C1-40	KNIFE PLOW		
122C1-11	MOTOR HOUSING		
151C1-3	MOTOR COUPLING		
191C1-26	OIL FELT		

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