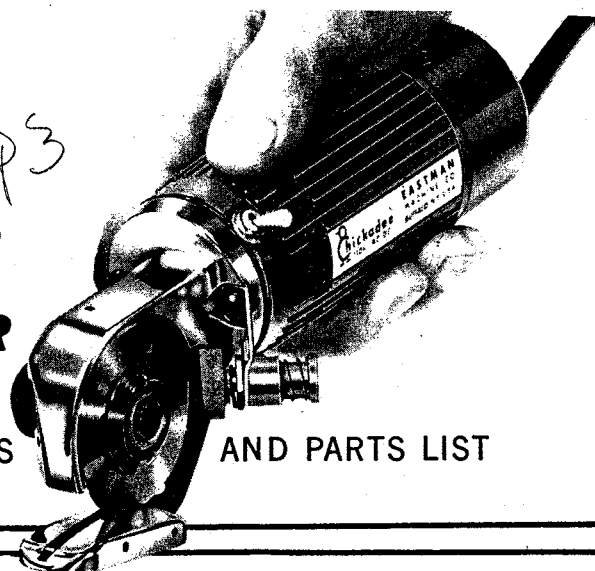


# the **EASTMAN** **Chickadee**® **ROTARY SHEAR**



## 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

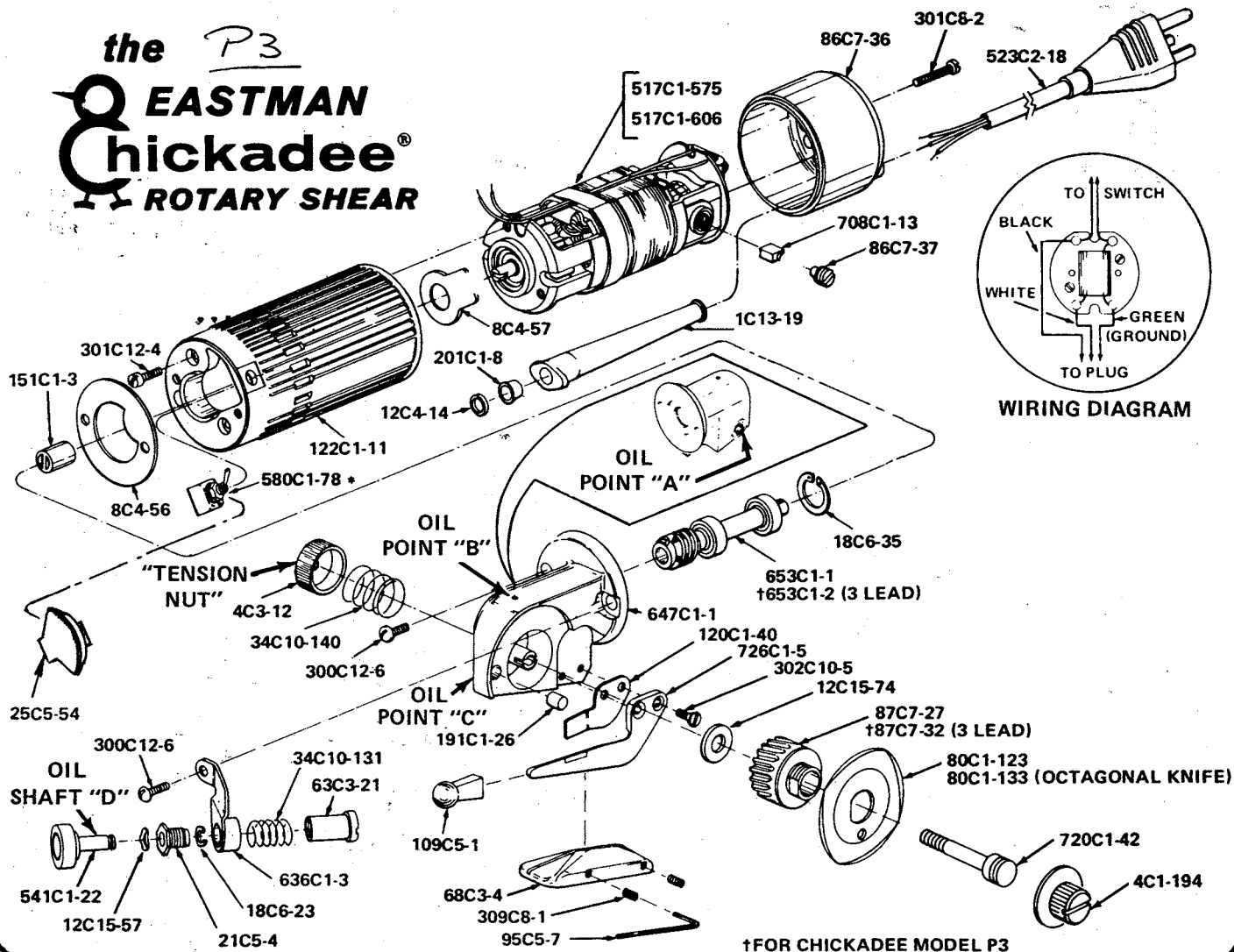
A ball tip (109C5-1) for cutting knit and other loosely woven materials and shear plate foot (68C3-4) for additional support and cutting accuracy are furnished as standard. To attach shear plate foot to shear plate (726C1-5) use allen key (95C5-7) as illustrated on other side.

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

# Eastmanmachine COMPANY

779 WASHINGTON STREET  
BUFFALO, NEW YORK 14203

the P3  
**EASTMAN**  
**Chickadee®**  
**ROTARY SHEAR**



| Part. No.           | Description       |
|---------------------|-------------------|
| 1C13-19             | LINE CORD SLEEVE  |
| 4C1-194             | KNIFE LOCK NUT    |
| 4C3-12              | ADJUSTING NUT     |
| 8C4-56              | SWITCH INSULATION |
| 8C4-57              | SWITCH INSULATION |
| 12C4-14             | INSULATING WASHER |
| 12C15-57            | SPRING WASHER     |
| 12C15-74            | SPACING WASHER    |
| 18C6-23             | RETAINING RING    |
| 18C6-35             | RETAINING RING    |
| 21C5-4              | SHARPENER BUSHING |
| 25C5-54             | GUARD FOR SWITCH  |
| 34C10-131           | SHARPENER SPRING  |
| 34C10-140           | KNIFE SPRING      |
| 63C3-21             | SHARPENER BUTTON  |
| 68C3-4              | SHEAR PLATE FOOT  |
| 80C1-123            | KNIFE             |
| 80C1-133 (Optional) | OCTAGONAL KNIFE   |
| 86C7-36             | MOTOR CAP         |
| 86C7-37             | BRUSH CAP         |
| 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          |

| Part. No.               | Description                             |
|-------------------------|---|
| 201C1-8                 | LINE CORD EYELET                        |
| 300C12-6                | SCREW, 8-32 x 1/2 ROUND HD. 2 REQ'D     |
| 301C8-2                 | SCREW, 4-40 x 7/8 FILLISTER HD. 2 REQ'D |
| 301C12-4                | SCREW, 8-32 x 1/2 FILLISTER HD. 3 REQ'D |
| 302C10-5                | SCREW, 6-32 x 3/8 FLAT HD. 2 REQ'D      |
| 309C8-1                 | SCREW, 4-40 x 1/4 SOCKET SET 2 REQ'D    |
| 517C1-575               | MOTOR, COMPLETE, 110 VOLT               |
| 517C1-606               | MOTOR, COMPLETE, 220 VOLT               |
| 523C2-18                | MOTOR LINE CORD                         |
| 541C1-22                | SHARPENING STONE                        |
| 580C1-78                | SWITCH, COMPLETE                        |
| 636C1-3                 | SHARPENER BRACKET                       |
| 647C1-1                 | STANDARD HOUSING                        |
| 653C1-1                 | WORM, COMPLETE                          |
| †653C1-2                | 3 LEAD WORM, COMPLETE                   |
| 708C1-13                | BRUSH WITH SPRING                       |
| 720C1-42                | KNIFE ROD, COMPLETE                     |
| 726C1-5                 | SHEAR PLATE                             |
| 580C1-35                | SWITCH, LONG HANDLE CHICKADEE           |
| †FOR CHICKADEE MODEL P3 |   |

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