

PARTS CATALOG

FOR

**BARDONS & OLIVER**

No's. 38 & 39

**AUTOMATIC  
CUTTING - OFF  
LATHES**

**BARDONS & OLIVER, INC.**

**BARDONS & OLIVER, INC.** OHIO

5800 HARPER ROAD

SOLON, OHIO 44139

440-498-5800 FAX 440-498-2001

NO'S. 38 & 39 AUTOMATIC CUTTING-OFF LATHES PARTS CATALOG

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THIS PARTS CATALOG HAS BEEN PREPARED TO SIMPLIFY THE ORDERING OF REPAIR PARTS.

WHEN ORDERING:

1. SPECIFY NUMBER OF PIECES WANTED.
2. GIVE SIZE AND SERIAL NUMBER OF MACHINE. \*
3. GIVE NUMBER AND NAME OF PART EXACTLY AS SHOWN IN CATALOG.
4. GIVE PURCHASE ORDER NUMBER COVERING ORIGINAL MACHINE.

EXAMPLE:

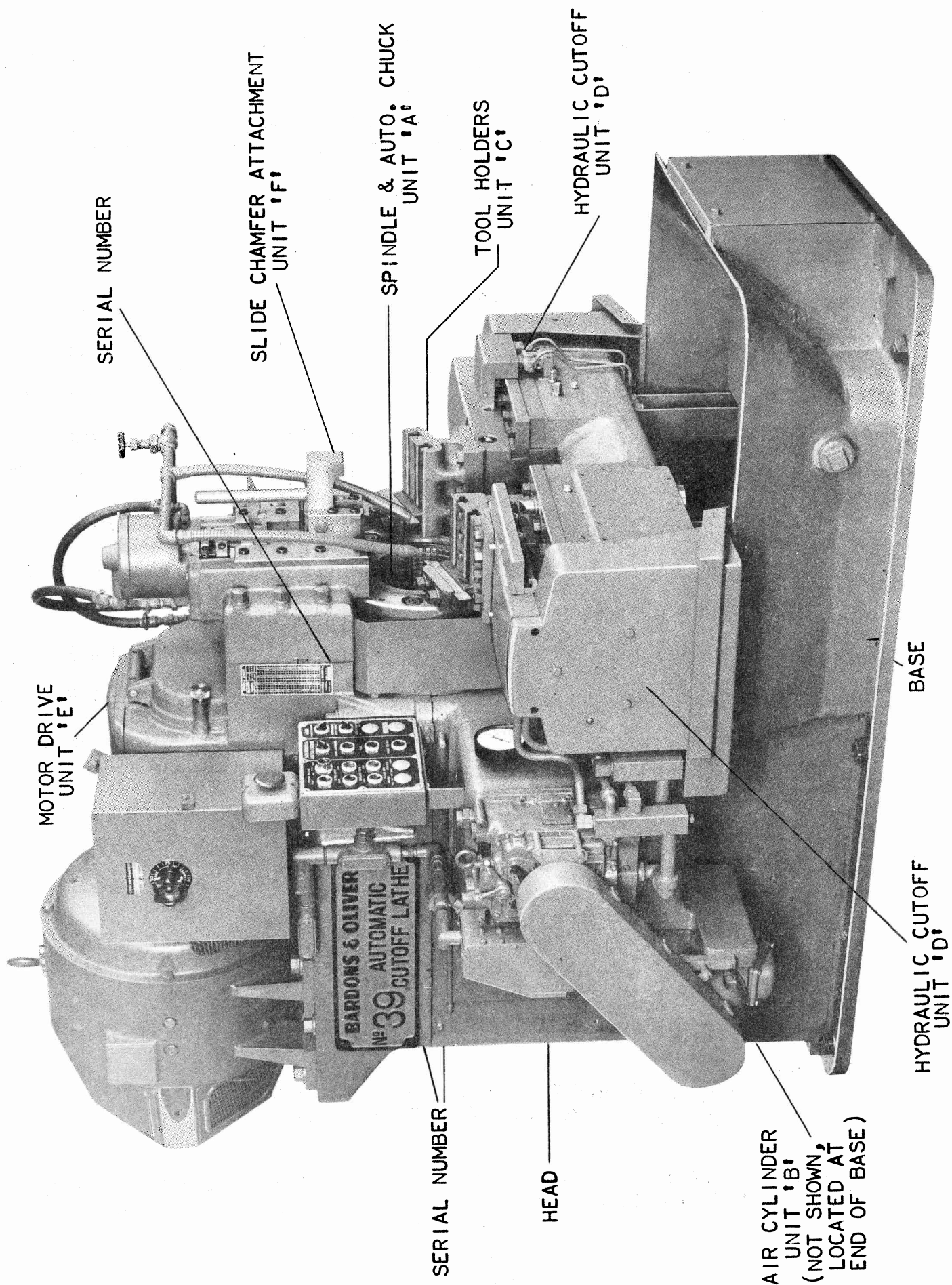
REQUIRED: YOKE SHAFT BUSHING FOR THE AIR CYLINDER.

ORDER:

- 1 - B-5 YOKE SHAFT BUSHING, DRAWING NUMBER B-59874  
FOR #38 AUTOMATIC CUTTING-OFF LATHE, SER. 17981

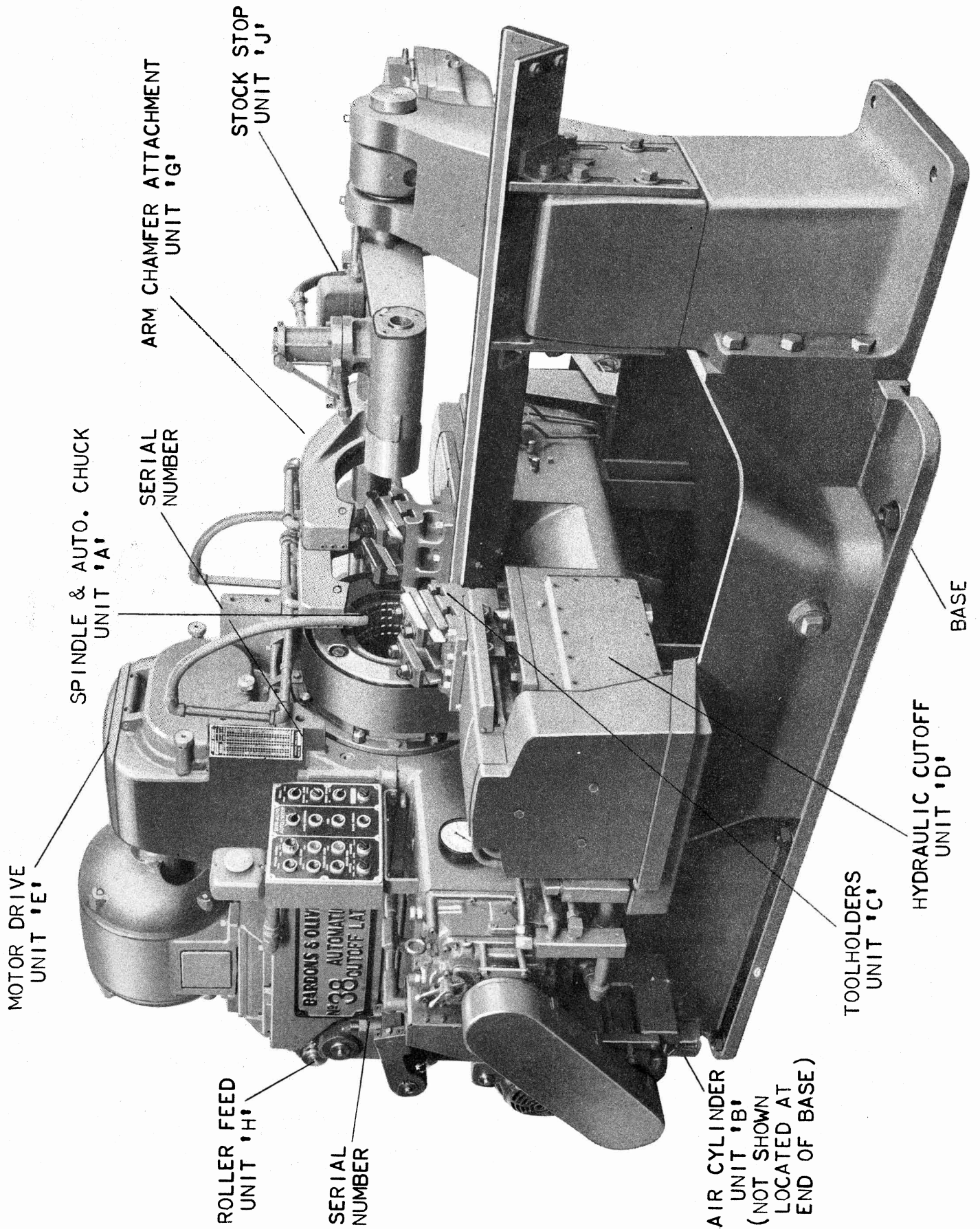
\* THE SERIAL NUMBER OF THE MACHINE IS STAMPED ON THE SPEED PLATE, ALSO ON THE MOTOR HOUSING FLANGE AS SHOWN ON PAGES 2 & 3.

CROP END CUTTING-OFF LATHE

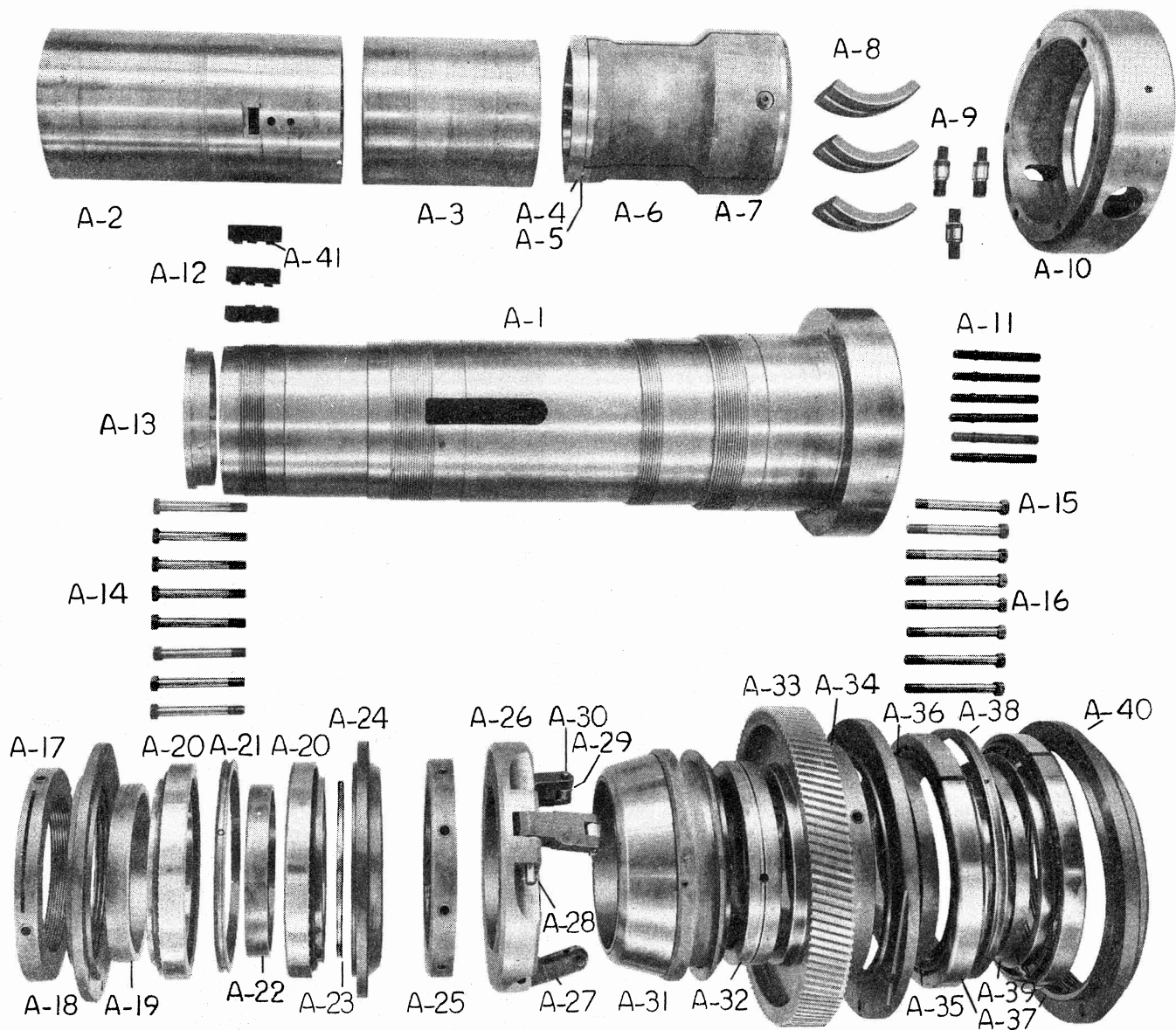




# COUPLING CUTTING-OFF LATHE

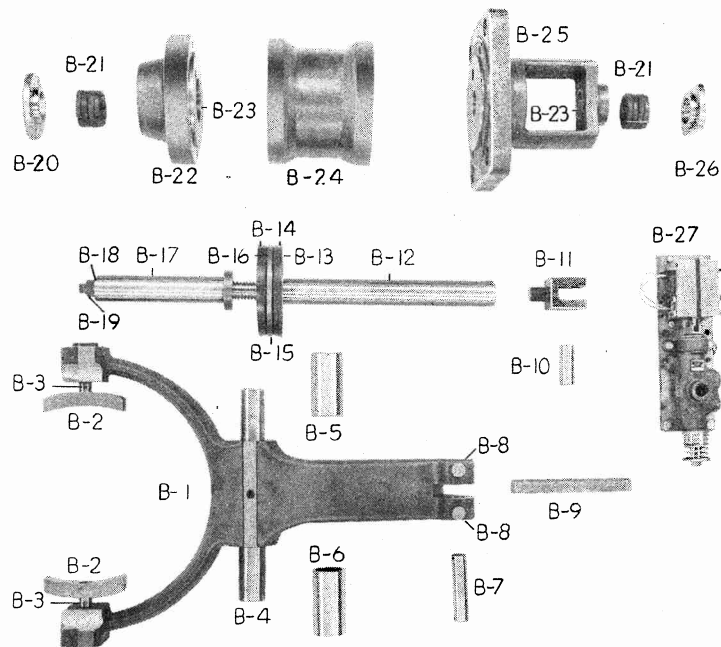


# SPINDLE & AUTOMATIC CHUCK - UNIT 'A'



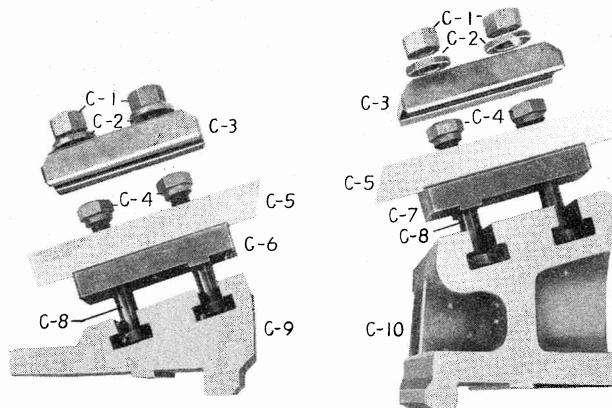
|      |                               |             |      |                                |                  |
|------|-------------------------------|-------------|------|--------------------------------|------------------|
| A-1  | SPINDLE                       | A-37112     | A-22 | REAR REMOVING RING (#38 ONLY)  | B-37117          |
| A-2  | FOLLOWER & EXTENSION ASSEMBLY | A-37129     | A-23 | SHOULDER RING                  | B-37152          |
| A-3  | PLUNGER                       | B-56266     | A-24 | REAR BRG. RETAINER - INNER     | A-37109          |
| A-4  | HINGE RING                    | A-56262     | A-25 | ADJUSTING NUT                  | A-37120          |
| A-5  | HINGE PIN (3 OR 4)            | B-56268     | A-26 | FINGER HOLDER                  | A-37125          |
| A-6  | COLLET                        | A-60147     | A-27 | FINGER                         | (3) A-37126      |
| A-7  | COLLET SPRING (3 OR 4)        | B-60167     | A-28 | FINGER PIVOT PIN               | (3) B-59917      |
| A-8  | COLLET PADS (3 OR 4)          | A-37286     | A-29 | FINGER ROLLER                  | (3) B-60155      |
| A-9  | COLLET PAD SCREW (3 OR 4)     | B-60166     | A-30 | ROLLER PIN                     | (3) B-60156      |
| A-10 | COLLET RING                   | A-60148     | A-31 | WEDGE ASSEMBLY                 | A-56263          |
| A-11 | COLLET RING STUD (6 OR 8)     | B-59918     | A-32 | HEAD GEAR NUT                  | A-37119          |
| A-12 | FOLLOWER SHOE (3)             | A-37127     | A-33 | HEAD GEAR 116T                 | A-60133          |
| A-13 | SPINDLE END BUSHING           | B-37131     | A-34 | FRONT BEARING NUT              | A-38374          |
| A-14 | REAR RETAINING BOLTS (8)      | B-37159     | A-35 | FRONT BRG. RETAINER - INNER    | A-37107          |
| A-15 | FRONT RETAINING BOLT (1)      | B-60129     | A-36 | FRONT NUT SPACER               | A-38375          |
| A-16 | FRONT RETAINING BOLTS (7)     | B-37158     | A-37 | FRONT BEARING                  | EE-203137-203190 |
| A-17 | REAR BEARING NUT              | A-60132     | A-38 | FRONT BRG. SPACER (#38 ONLY)   | A-37114          |
| A-18 | REAR BRG. RETAINER - OUTER    | A-37108     | A-39 | FRONT REMOVING RING (#38 ONLY) | B-37115          |
| A-19 | REAR NUT SPACER               | A-38377     | A-40 | FRONT BRG. RETAINER - OUTER    | A-37106          |
| A-20 | REAR BEARING                  | 84115/84155 | A-41 | PLUNGER SCREW                  | (6) B-60154      |
| A-21 | REAR BRG. SPACER (#38 ONLY)   | A-37116     |      |                                |                  |

## AIR CYLINDER - UNIT 'B'



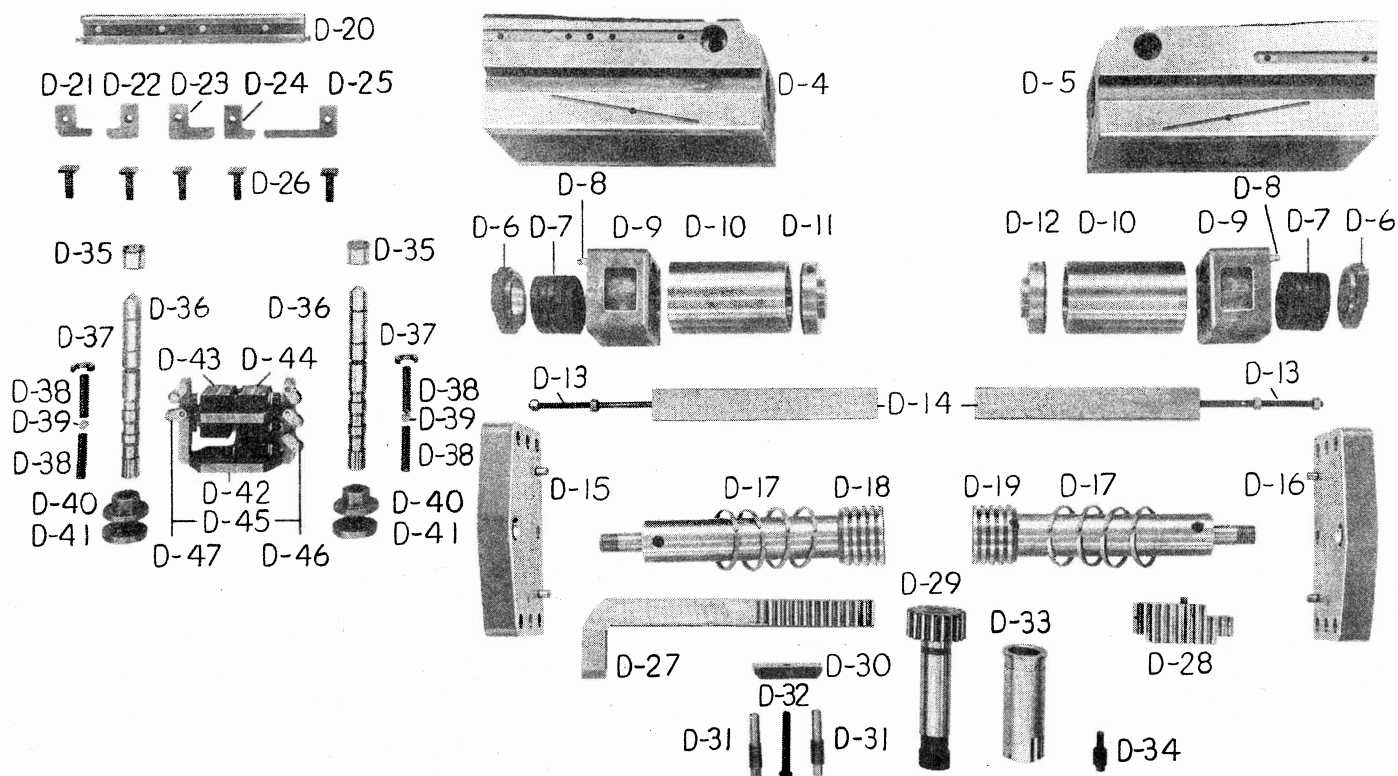
|      |                    |  |     |      |                     |     |         |
|------|--------------------|--|-----|------|---------------------|-----|---------|
| B-1  | YOKE               |  |     | B-15 | PACKING PLATE       |     | B-59895 |
| B-2  | SHOE               |  | (2) | B-16 | PISTON PLATE        |     | B-59893 |
| B-3  | YOKE SHOE STUD     |  | (2) | B-17 | ADJUSTING SLEEVE    |     | A-59888 |
| B-4  | YOKE SHAFT         |  |     | B-18 | O - RING            |     |         |
| B-5  | YOKE SHAFT BUSHING |  |     | B-19 | LOCK SCREW          |     | B-59894 |
| B-6  | YOKE SHAFT BUSHING |  |     | B-20 | OUTER PACKING GLAND |     | B-59891 |
| B-7  | YOKE PIN           |  |     | B-21 | PACKING             | (2) | B-60161 |
| B-8  | YOKE PIN BUSHING   |  | (2) | B-22 | CYLINDER HEAD       |     | A-59886 |
| B-9  | LINK               |  |     | B-23 | OILITE BUSHING      | (2) |         |
| B-10 | LINK PIN           |  |     | B-24 | CYLINDER            |     | A-59885 |
| B-11 | LINK CONNECTION    |  |     | B-25 | BRACKET             |     | A-59884 |
| B-12 | PISTON ROD         |  |     | B-26 | INNER PACKING GLAND |     | B-59891 |
| B-13 | PISTON             |  |     | B-27 | SOLENOID VALVE      |     |         |
| B-14 | PISTON PACKING CUP |  | (2) |      |                     |     |         |

## TOOL HOLDERS - UNIT 'C'



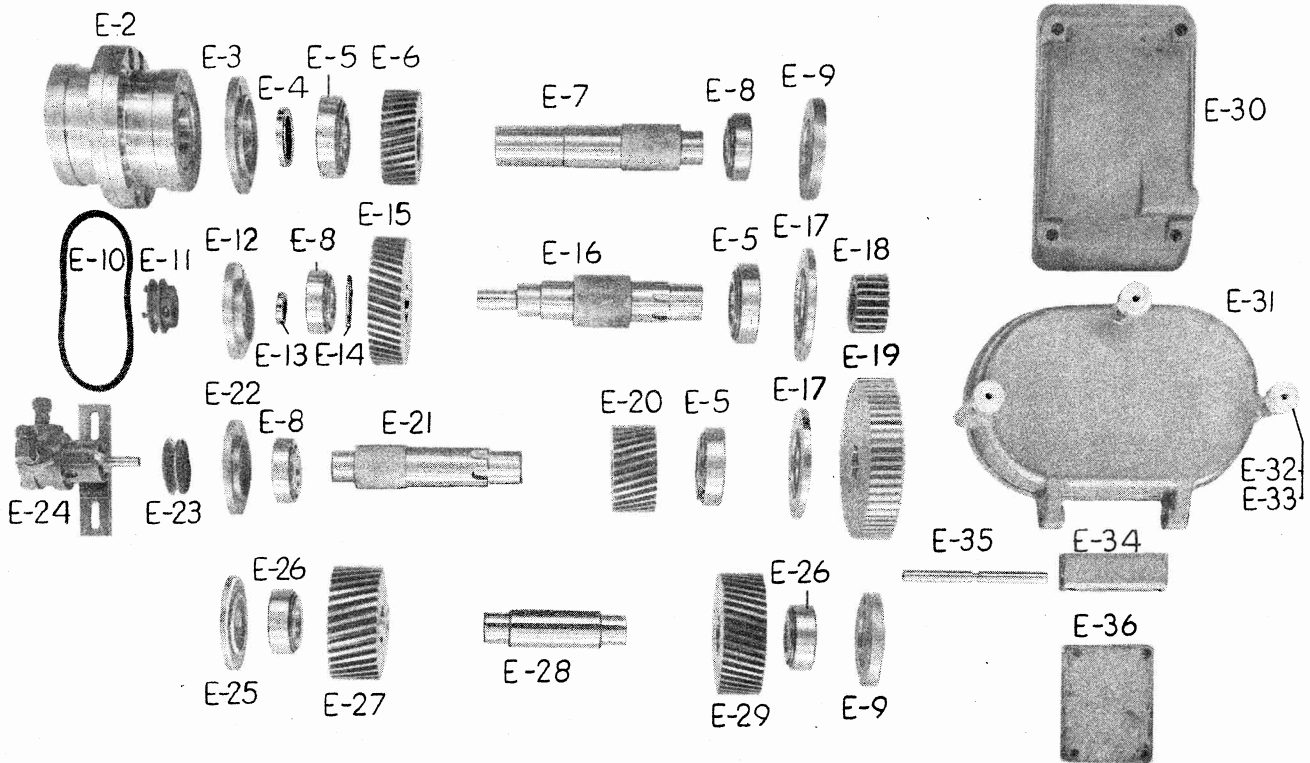
|     |                |     |         |      |                  |     |                      |
|-----|----------------|-----|---------|------|------------------|-----|----------------------|
| C-1 | HEX NUT        | (4) |         | C-6  | FRONT TOOLHOLDER |     | A-31049              |
| C-2 | WASHER         | (4) | C-1061  | C-7  | REAR TOOLHOLDER  |     | A-30936              |
| C-3 | TOOLHOLDER CAP | (2) | B-30937 | C-8  | TEE BOLT         | (4) | B-60462              |
| C-4 | CLAMP NUT      | (4) | B-31072 | C-9  | FRONT BASE       |     | WIDTH - 4" OR 9-1/2" |
| C-5 | BLADE          | (2) | B-27793 | C-10 | REAR BASE        |     | WIDTH - 6" OR 9-1/2" |

# HYDRAULIC CUTOFF - UNIT 'D'



|      |                               |             |         |      |                         |          |         |
|------|-------------------------------|-------------|---------|------|-------------------------|----------|---------|
| D-1  | SADDLE                        | (NOT SHOWN) | L-59901 | D-25 | RAPID FORWARD DOG       |          | B-60067 |
| D-2  | SADDLE CAPS                   | (NOT SHOWN) |         | D-26 | TEE BOLT                | (3 OR 5) | B-52522 |
| D-3  | V - BELTS - 4                 | (NOT SHOWN) |         | D-27 | EQUALIZING RACK - LONG  |          | A-60034 |
| D-4  | FRONT SLIDE                   |             | L-60088 | D-28 | EQUALIZING RACK - SHORT |          | A-60081 |
| D-5  | REAR SLIDE                    |             | L-60089 | D-29 | EQUALIZING PINION       |          | A-37267 |
| D-6  | PACKING GLAND                 | (2)         | B-32790 | D-30 | RACK SHOE               |          | B-37263 |
| D-7  | PACKING                       | (2)         | B-32866 | D-31 | EQUALIZING SHOE STUD    | (2)      | B-60075 |
| D-8  | AIR COCK                      | (4)         |         | D-32 | HEX HEAD CAP SCREW      |          | B-32793 |
| D-9  | CYLINDER HEAD                 | (2)         | A-32798 | D-33 | PINION BUSHING          |          | B-31308 |
| D-10 | OIL CYLINDER                  |             | A-60082 | D-34 | BUSHING LOCK SCREW      |          | B-60085 |
| D-11 | CYLINDER HEAD - INNER         |             | A-32802 | D-35 | ROD BUSHING             | (1 OR 2) | B-60087 |
| D-12 | CYLINDER HEAD - INNER         |             | A-32802 | D-36 | CONTROL ROD             | (1 OR 2) | A-60078 |
| D-13 | GIB ADJUSTING STUD            | (2)         | B-60074 | D-37 | WASHER                  | (1 OR 2) | B-60090 |
| D-14 | TAPER GIB                     | (2)         | B-60080 | D-38 | SPRING                  | (2 OR 4) | B-56285 |
| D-15 | PISTON THRUST PLATE           |             | A-60035 | D-39 | SPACER                  | (1 OR 2) | B-60084 |
| D-16 | PISTON THRUST PLATE           |             | A-60036 | D-40 | ROD LOCATER             | (1 OR 2) | B-60086 |
| D-17 | PISTON RING                   | (8)         | B-32809 | D-41 | SPRING CAP              | (1 OR 2) | A-60061 |
| D-18 | PISTON & ROD ASSEMBLY - FRONT |             | A-60640 | D-42 | SWITCH BRACKET          |          |         |
| D-19 | PISTON & ROD ASSEMBLY - REAR  |             | A-60064 | D-43 | MICRO SWITCH - L-H      | (1 OR 2) |         |
| D-20 | TEE SLOT BRACKET              |             | A-60060 | D-44 | MICRO SWITCH - R-H      | (2 OR 3) |         |
| D-21 | STOCK STOP DOG                |             | B-60068 | D-45 | ROLLER ASSEMBLY         | (3 OR 5) | B-60072 |
| D-22 | COLLET DOG                    |             | B-60069 | D-46 | ROLLER SPRING - R-H     | (3)      | B-60070 |
| D-23 | RAPID RETURN DOG              |             | B-60066 | D-47 | ROLLER SPRING - L-H     | (0 OR 2) | B-39812 |
| D-24 | FEED DOG                      |             | B-60065 |      |                         |          |         |

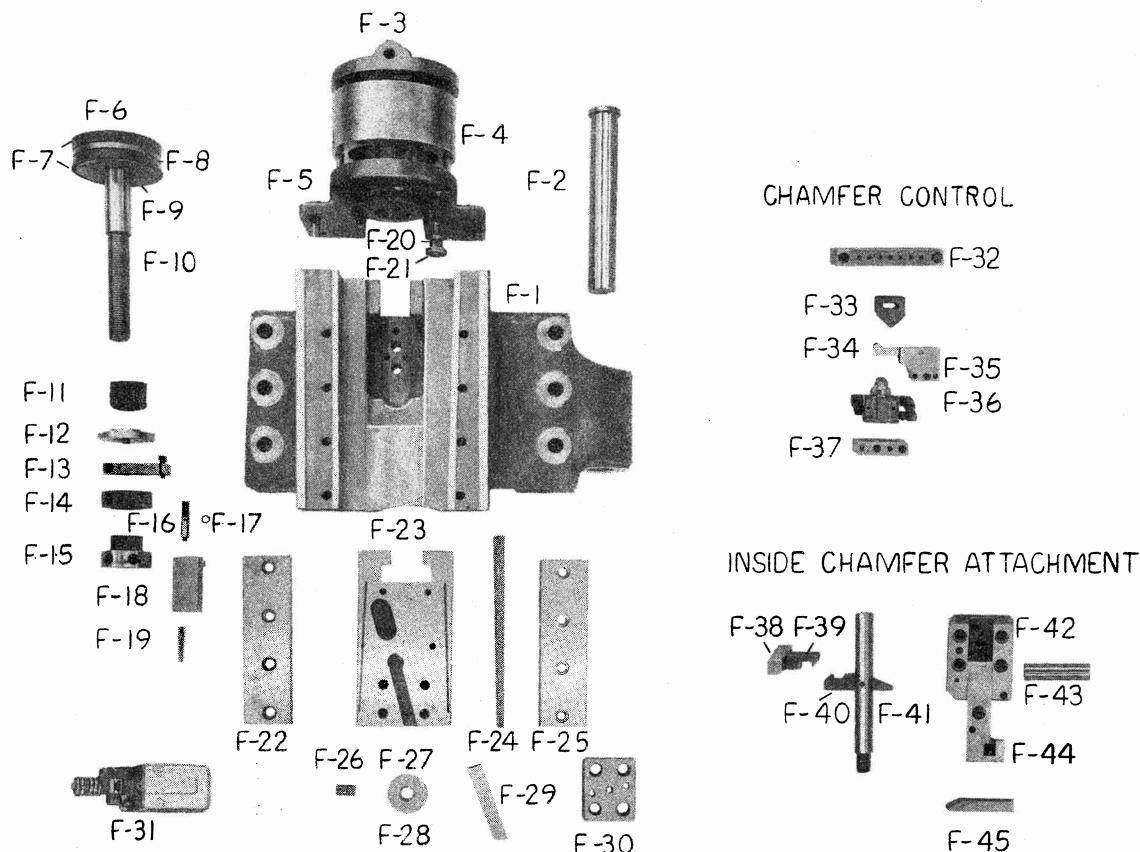
# MOTOR DRIVE - UNIT 'E'



|      |                        |                     |      |                        |             |
|------|------------------------|---------------------|------|------------------------|-------------|
| E-1  | HOUSING                | (NOT SHOWN) L-60000 | E-19 | CHANGE GEAR            | TO SUIT     |
| E-2  | COUPLING               | TO SUIT             | E-20 | GEAR 31T               | A-60253     |
| E-3  | BEARING RETAINER       | A-60250             | E-21 | 2ND INTERMEDIATE SHAFT | A-60258     |
| E-4  | OIL SEAL               |                     | E-22 | BEARING RETAINER       | A-60262     |
| E-5  | ROLLER BEARING         | (3) 552A/559        | E-23 | SHEAVE                 | B-60275     |
| E-6  | GEAR 32T               | A-60251             | E-24 | LUBRICATING PUMP       |             |
| E-7  | DRIVE SHAFT            | A-60256             | E-25 | BEARING RETAINER       | A-60668     |
| E-8  | ROLLER BEARING         | (3) 522/529X        | E-26 | ROLLER BEARING         | 4535/4580   |
| E-9  | BEARING CLOSER         | (2) A-60263         | E-27 | GEAR 34T               | A-60255     |
| E-10 | V - BELT               |                     | E-28 | 3RD INTERMEDIATE SHAFT | A-61447     |
| E-11 | SHEAVE                 |                     | E-29 | GEAR 44T               | A-61448     |
| E-12 | BEARING RETAINER       | A-60249             | E-30 | TOP COVER              | A-60245     |
| E-13 | OIL SEAL               |                     | E-31 | CHANGE GEAR COVER      | A-60246     |
| E-14 | SPACER                 | B-60274             | E-32 | LOCK SCREW             | (3) B-60273 |
| E-15 | GEAR 45T               | A-60252             | E-33 | NUT                    | (3) B-55555 |
| E-16 | 1ST INTERMEDIATE SHAFT | A-60257             | E-34 | HINGE BRACKET          | B-60247     |
| E-17 | BEARING CLOSER         | (2) A-60261         | E-35 | HINGE PIN              | B-60272     |
| E-18 | CHANGE GEAR            | TO SUIT             | E-36 | COVER                  | A-60248     |



# SLIDE CHAMFER ATTACHMENT - UNIT 'F'



F-1 BRACKET  
F-2 HINGE PIN  
F-3 CYLINDER HEAD - UPPER  
F-4 CYLINDER  
F-5 CYLINDER HEAD - LOWER  
F-6 PISTON PLATE  
F-7 PISTON PACKING CUP  
F-8 PACKING PLATE  
F-9 PISTON  
F-10 PISTON ROD  
F-11 PACKING  
F-12 PACKING GLAND  
F-13 VALVE LEVER  
F-14 TOOL SLIDE LOCK NUT  
F-15 TOOL SLIDE ADJUSTING NUT  
F-16 PLUNGER

A-60466  
B-60486  
A-60468  
A-60470  
A-60467  
B-60480  
(2)  
B-60471  
A-60479  
A-60482  
B-60351  
B-60484  
B-60474  
B-31249  
B-31118  
B-60481

F-17 O - RING  
F-18 VALVE BLOCK  
F-19 PLUNGER SPRING  
F-20 GIB ADJUSTING STUD  
F-21 GIB ADJUSTING NUT  
F-22 SLIDE CAP  
F-23 SLIDE  
F-24 TAPER GIB  
F-25 SLIDE CAP  
F-26 ROLLER PIN  
F-27 ROLLER  
F-28 ROLLER BUSHING  
F-29 CHAMFER TOOL  
F-30 TOOL CAP  
F-31 SOLENOID VALVE

B-60476  
B-48439  
B-61408  
B-61367  
A-60477  
A-60472  
A-60469  
A-60478  
B-60483  
B-37508  
B-37449  
B-60473

## CHAMFER CONTROL

F-32 BRACKET  
F-33 DOG  
F-34 CAM  
F-35 CAM BRACKET  
F-36 4 WAY VALVE  
F-37 VALVE BRACKET

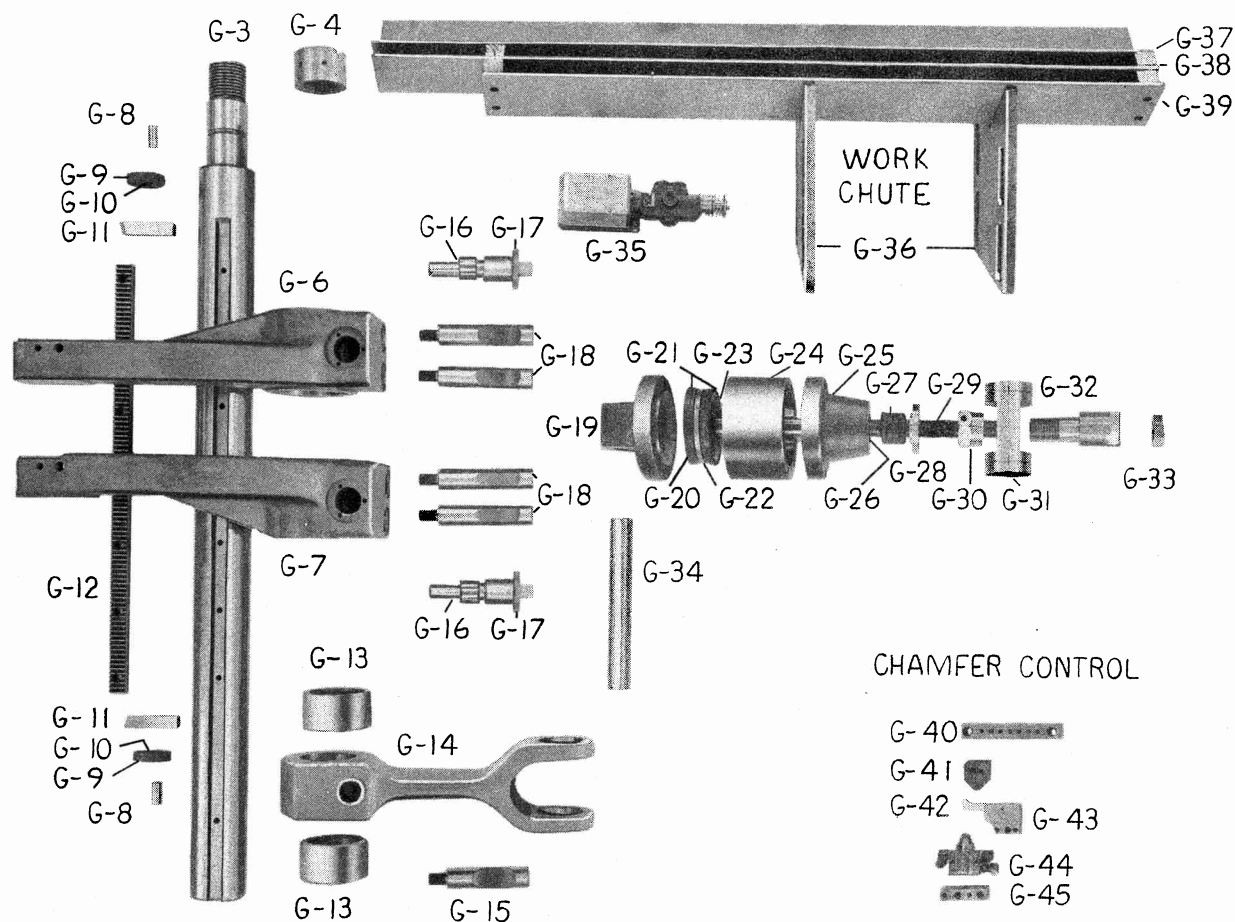
A-60656  
B-60658  
B-58915  
B-60657  
B-60660

F-38 STRAP  
F-39 LATCH STUD  
F-40 LATCH  
F-41 HANDLE  
F-42 TOOL HOLDER BRACKET  
F-43 STUD  
F-44 TOOL HOLDER  
F-45 CHAMFER TOOL

B-61125  
B-61121  
B-52687  
A-61122  
A-61124  
B-61126  
A-61123  
B-54123

## INSIDE CHAMFER ATTACHMENT

# ARM CHAMFER ATTACHMENT - UNIT 'G'



|      |                |             |         |      |                        |         |
|------|----------------|-------------|---------|------|------------------------|---------|
| G-1  | PEDESTAL       | (NOT SHOWN) | A-53533 | G-19 | CYLINDER ANCHOR CLOSER | A-60622 |
| G-2  | BRACKET        | (NOT SHOWN) | A-60604 | G-20 | PISTON PLATE           | B-60480 |
| G-3  | BAR            |             | A-60608 | G-21 | PISTON PACKING CUP     | (2)     |
| G-4  | BAR NUT        |             | B-13892 | G-22 | PACKING PLATE          | B-60471 |
| G-5  | BAR SUPPORT    | (NOT SHOWN) | A-60601 | G-23 | PISTON                 | A-60479 |
| G-6  | ARM - R-H      |             | A-60624 | G-24 | CYLINDER               | A-60621 |
| G-7  | ARM - L-H      |             | A-60625 | G-25 | CYLINDER CLOSER        | A-60623 |
| G-8  | ROLLER PIN     | (2)         | B-60628 | G-26 | CLOSER BUSHING         |         |
| G-9  | ROLLER         | (2)         | B-37508 | G-27 | PACKING                | B-60351 |
| G-10 | ROLLER BUSHING | (2)         | B-27842 | G-28 | PACKING GLAND          | B-60484 |
| G-11 | CHAMFER CUTTER | (2)         | A-60609 | G-29 | PISTON ROD             | A-60627 |
| G-12 | RACK           | (2)         | B-60620 | G-30 | ADJUSTING NUT          | B-60612 |
| G-13 | BAR BUSHINGS   | (2)         | A-60605 | G-31 | ARM STUD               | A-60606 |
| G-14 | SWINGING ARM   |             | B-60614 | G-32 | ADJUSTING NUT          | A-60607 |
| G-15 | BINDER BOLT    | (2)         | B-52725 | G-33 | JAM NUT                |         |
| G-16 | PINION         | (2)         | B-52720 | G-34 | PIVOT PIN              | B-60611 |
| G-17 | PINION BUSHING | (4)         | B-60629 | G-35 | SOLENOID VALVE         |         |
| G-18 | BINDER BOLT    |             |         |      |                        |         |

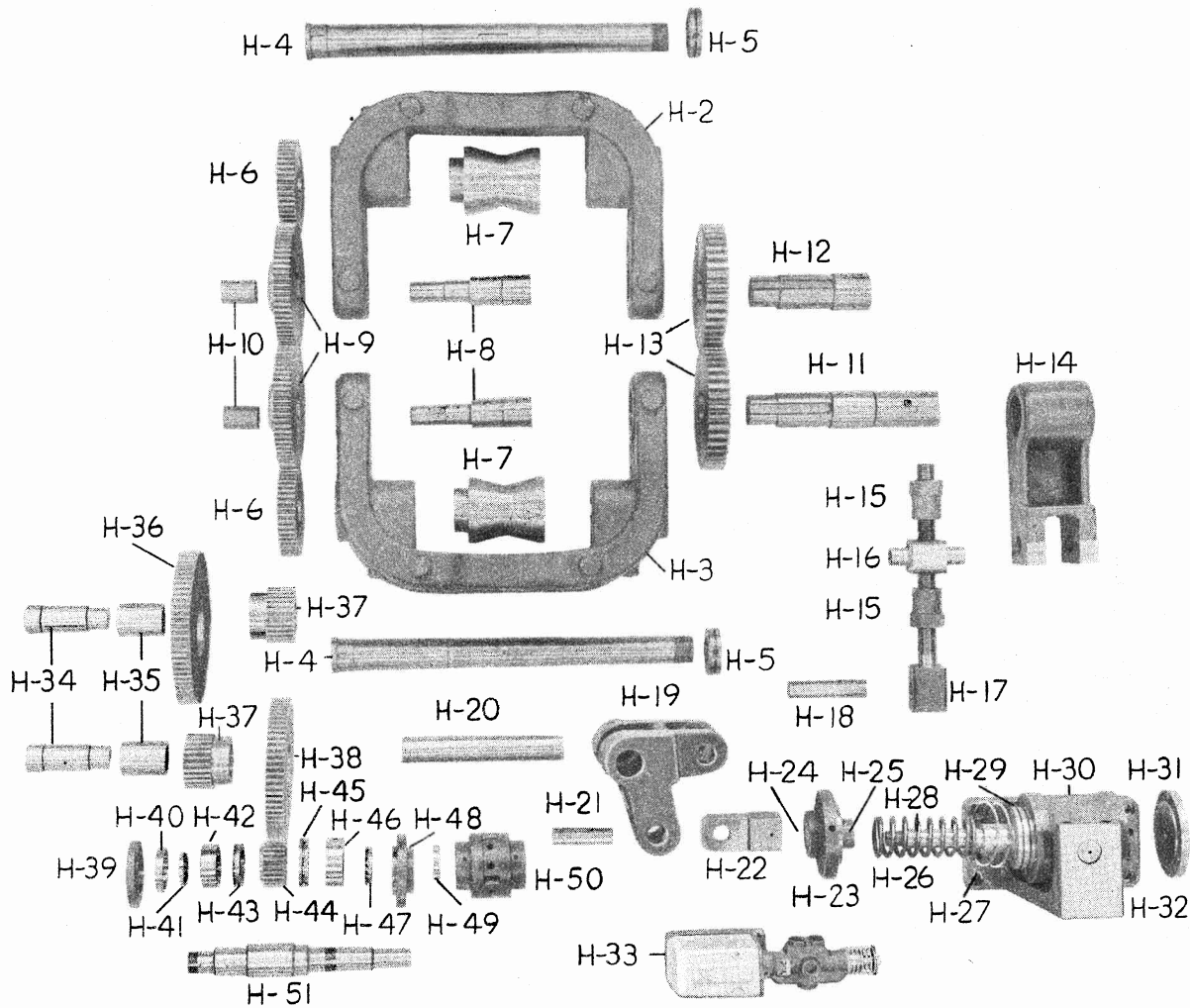
## WORK CHUTE

|      |               |     |         |
|------|---------------|-----|---------|
| G-36 | SUPPORT       | (2) | A-60389 |
| G-37 | SMALL TROUGH  |     | A-60811 |
| G-38 | LINER TROUGH  |     | A-60809 |
| G-39 | MASTER TROUGH |     | A-60808 |

## CHAMFER CONTROL

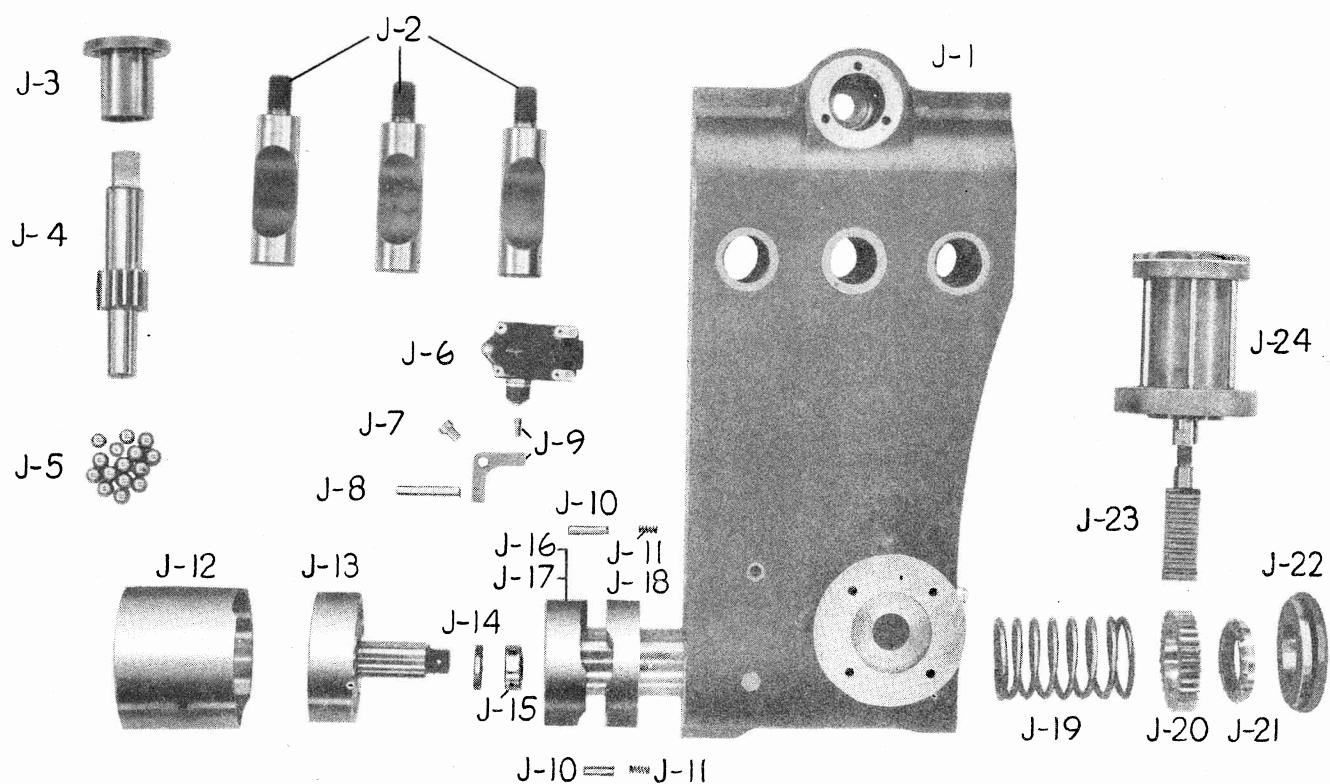
|      |               |         |
|------|---------------|---------|
| G-40 | BRACKET       | A-60656 |
| G-41 | DOG           | B-60658 |
| G-42 | CAM           | B-58915 |
| G-43 | CAM BRACKET   | B-60657 |
| G-44 | 4 WAY VALVE   |         |
| G-45 | VALVE BRACKET | B-60660 |

# ROLLER FEED - UNIT 'H'



|      |                       |             |         |      |                          |     |         |
|------|-----------------------|-------------|---------|------|--------------------------|-----|---------|
| H-1  | BRACKET               | (NOT SHOWN) | A-55407 | H-27 | PISTON RING              | (2) |         |
| H-2  | UPPER YOKE            |             | A-38755 | H-28 | PISTON ROD               |     | B-60382 |
| H-3  | LOWER YOKE            |             | A-38754 | H-29 | PISTON                   |     | B-56304 |
| H-4  | ROLLER SHAFT          | (2)         | A-38735 | H-30 | CYLINDER                 |     | A-60379 |
| H-5  | ROLLER SHAFT NUT      | (2)         | B-38738 | H-31 | CYLINDER CAP             |     | A-60405 |
| H-6  | INTERMEDIATE GEAR 48T | (2)         | B-38743 | H-32 | CYLINDER BRACKET         |     | A-60378 |
| H-7  | ROLLER                | (2)         | A-13862 | H-33 | SOLENOID VALVE           |     |         |
| H-8  | YOKE STUD             | (2)         | A-38737 | H-34 | INTERMEDIATE PINION STUD | (2) | B-38739 |
| H-9  | INTERMEDIATE GEAR 64T | (2)         | B-38741 | H-35 | PINION BUSHING           | (2) | B-38749 |
| H-10 | INT. GEAR BUSHING     | (2)         | B-38750 | H-36 | INTERMEDIATE GEAR 78T    |     | B-38742 |
| H-11 | LOWER YOKE STUD       |             | A-38734 | H-37 | INTERMEDIATE PINION 28T  | (2) | B-38740 |
| H-12 | UPPER YOKE STUD       |             | B-38736 | H-38 | INTERMEDIATE GEAR 72T    |     | B-38744 |
| H-13 | YOKE GEAR 40T         | (2)         | A-38745 | H-39 | OUTER BRG. RETAINER      |     | B-38746 |
| H-14 | ARM                   |             | A-38757 | H-40 | BEARING SPACER           |     | B-38748 |
| H-15 | ADJUSTING NUT         | (2)         | B-38761 | H-41 | LOCK NUT & WASHER        |     |         |
| H-16 | ADJUSTING BLOCK       |             | B-38760 | H-42 | BALL BEARING             |     | 5207-K  |
| H-17 | ADJUSTING ROD         |             | B-38759 | H-43 | OUTER BRG. COLLAR        |     | B-38832 |
| H-18 | PIN                   |             | B-60403 | H-44 | DRIVE SHAFT PINION 22T   |     | B-38860 |
| H-19 | CRANK                 |             | A-60380 | H-45 | INNER BRG. COLLAR        |     | B-38861 |
| H-20 | CRANK PIN             |             | B-60381 | H-46 | BALL BEARING             |     | 5208-K  |
| H-21 | PIN                   |             | B-60402 | H-47 | LOCK NUT & WASHER        |     |         |
| H-22 | CONNECTOR             |             | B-56340 | H-48 | INNER BRG. RETAINER      |     | B-38747 |
| H-23 | CYLINDER CAP          |             | A-56301 | H-49 | OIL SEAL                 |     |         |
| H-24 | CAP BUSHING           |             |         | H-50 | FLEXIBLE COUPLING        |     |         |
| H-25 | CAP BUSHING           |             |         | H-51 | DRIVE SHAFT              |     | A-38733 |
| H-26 | SPRING                |             | B-51533 |      |                          |     |         |

# STOCK STOP - UNIT 'J'



|      |                    |             |      |                   |         |
|------|--------------------|-------------|------|-------------------|---------|
| J-1  | STOCK STOP ARM     | L-60602     | J-13 | STOP              | A-60649 |
| J-2  | BINDER BOLT        | (3) B-60619 | J-14 | SPACER            | B-60651 |
| J-3  | PINION BUSHING     | B-52720     | J-15 | NUT               | B-60650 |
| J-4  | PINION             | B-52725     | J-16 | OUTER CAM         | A-60647 |
| J-5  | STEEL BALLS        | (21)        | J-17 | LINER BUSHING     |         |
| J-6  | MICRO SWITCH - L-H |             | J-18 | INNER CAM         | A-60646 |
| J-7  | BUSHING            | B-60617     | J-19 | SPRING            | B-60644 |
| J-8  | PIN                |             | J-20 | CAM GEAR 30T      | B-60613 |
| J-9  | LEVER & PIN        | B-60616     | J-21 | LOCK WASHER & NUT |         |
| J-10 | PIN                | (2)         | J-22 | COVER             | A-60603 |
| J-11 | PIN SPRING         | (2) B-34684 | J-23 | RACK              | B-60645 |
| J-12 | RING               | A-60648     | J-24 | AIR CYLINDER      |         |

