

BED, PAN, AND LEGS

| | | | |
|------------------------------|---------|------------------|---------|
| Front sump cover | A-59022 | Pan plate | A-95886 |
| Bed | L-97268 | Strainer | A-95887 |
| Pan | L-95861 | Gasket | A-95896 |
| Right leg | L-95888 | Gasket | A-95897 |
| Left leg | L-97289 | Bedway | A-95971 |
| Front sump gasket | A-59027 | Rack | A-95972 |
| Pump and motor | B-97088 | Lever | B-95019 |
| Oil level gage | B-85939 | Handle | B-95020 |
| Filler - breather cap | B-88671 | Stop rod screw | B-36694 |
| Filter | B-91330 | Stop rod plunger | B-31995 |
| Sump cover | A-96154 | Screw plug | B-32063 |
| Sump cover gasket | B-92238 | Patent plate | B-68469 |
| Filler block | A-96153 | Tee fitting | B-97147 |
| Block gasket | B-96155 | Oil change plate | B-68468 |
| Pump bracket | A-98138 | Spring | 1557 |
| Side splash guard | A-96162 | | |
| Kear splash guard | A-97290 | | |
| Front splash guard - special | A-98355 | | |
| Stop rod bracket | A-96067 | | |
| Stop rod | A-96068 | | |

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6-1-P

HEAD (Ref. P/L #9136)

| | | | | |
|-----------------|---------|---------------------------|-----|---------|
| Bearing closer | A-86066 | AS450 clutch hub | (2) | A-86937 |
| Bearing closer | A-86067 | AS600 clutch hub | (2) | A-86938 |
| Spacer | B-86074 | Spacer shim | (6) | B-88024 |
| Spacer | B-86079 | Spacer shim | (7) | B-88152 |
| Spacer | B-86082 | 99T gear (Std. Spd.) | | A-86828 |
| Shaft | A-86083 | 93T gear (Spl. High Spd.) | | A-86124 |
| Spacer | B-86131 | MRC bearing | (2) | B-91176 |
| Spacer | B-86203 | MRC bearing | | B-91177 |
| 59T gear | A-86817 | MRC bearing | (2) | B-91178 |
| 49T gear | A-86820 | MRC bearing | (2) | B-91179 |
| 27T gear | A-86821 | MRC bearing | (2) | B-91180 |
| Pinion shaft | A-86831 | MRC bearing | (2) | B-91181 |
| 61T clutch gear | A-86931 | MRC bearing | | B-91182 |
| 71T clutch gear | A-86932 | MRC bearing | | B-91183 |
| 71T clutch gear | A-86933 | Fawick clutch with | (2) | B-91184 |
| 95T clutch gear | A-86934 | B&O hub A-86937 | (2) | B-91185 |
| | | Fawick clutch with | | |
| | | B&O hub A-86938 | | |

REC'D LOT 390

6-2-P

HEAD

| | | | |
|---------------|---------|-----------------|---------|
| Housing | L-96060 | #6 legend plate | A-95988 |
| Housing cover | A-96061 | Gasket | A-96063 |
| Name plate | A-85059 | Shim | A-98530 |

HEAD - HOUSING PIPING

| | | | | |
|-------------------------------|-----|-----------------------------------|-----|---------|
| Flodar BA-2000-6-90 | | Spraco V-812 spray head | (2) | B-85944 |
| Flodar BA-3000-6 T | | 8" 3/8 steel tubing | | |
| Weatherhead 3300 x 4 coupling | (2) | Weatherhead bulkhead CPLG W-21204 | (2) | |
| Weatherhead 3325 x 4 nipple | (2) | | | |
| Weatherhead 3350 x 4-45 | (2) | | | |

HEAD RANGE GEAR (37/1600 RPM - 3" CAPACITY)
(31/1170 RPM 5" CAPACITY)

| | | | |
|----------|---------|----------|---------|
| 931 gear | A-86124 | 43T gear | A-86829 |
|----------|---------|----------|---------|

HEAD RANGE GEARS (30/1300 RPM - 3" CAPACITY)
(25/950 RPM - 5" CAPACITY)

| | | | |
|----------|---------|----------|---------|
| 99T gear | A-86828 | 37T gear | A-86830 |
|----------|---------|----------|---------|

REC'D LOT 390

6-2-P

PRESELECTOR

| | | | |
|---------------------|---------|-------------------------|---------|
| Cover | L-95862 | Arm | B-95870 |
| Switch bracket | A-95863 | Pivot | B-95871 |
| Chart plate | A-95864 | Closer | B-95872 |
| Control plate | A-95865 | Bushing | B-95873 |
| Handwheel | A-93691 | Sprocket | B-95874 |
| Shaft | A-95866 | Spacer | B-95875 |
| Dial drum | A-95867 | Spacer | B-95876 |
| Drum chart 30/1300 | A-95868 | Cam #1 | B-95877 |
| Drum chart 25/950 | A-95869 | Cam #2 | B-95878 |
| Spacer | B-74747 | Cam #3 | B-95879 |
| Index lever | B-74796 | Cam #4 | B-95880 |
| Roller | B-74797 | Stud | B-95881 |
| Spring | B-74799 | Key | B-95882 |
| Spacer | B-74806 | MRC bearing 202-SZ | B-95883 |
| Spacer | B-74807 | Microswitch BZ-2RM22-A2 | B-95884 |
| Bushing | B-90287 | Drum chart 31/1170 | A-98020 |
| Handwheel clip dial | A-97329 | Drum chart 37/1600 | A-98021 |
| Clip | B-31937 | | |

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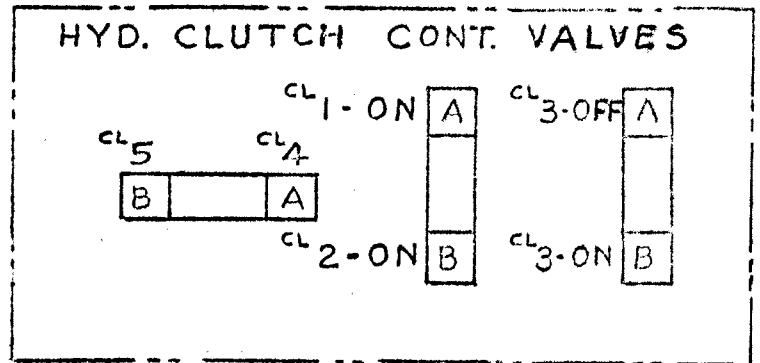
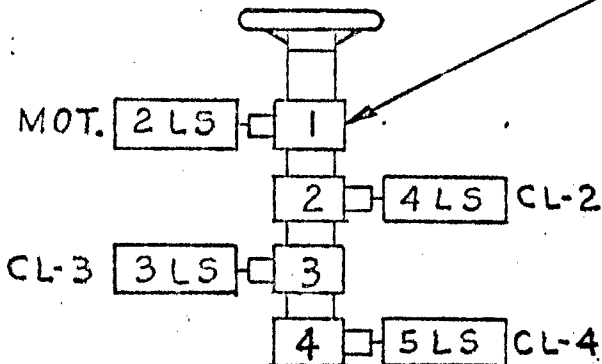
REC'D LOT 390

6-3-P

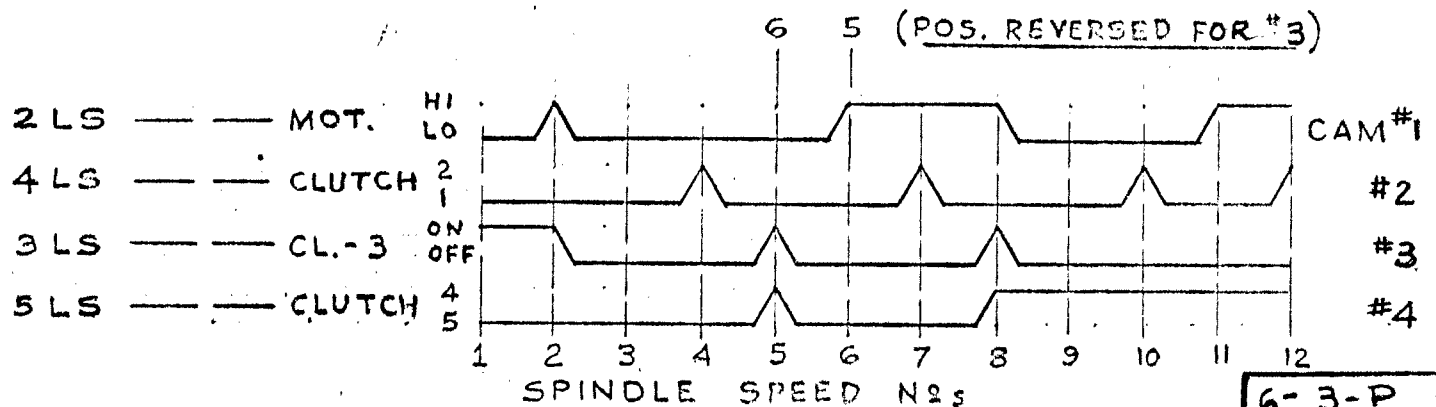
| SPINDLE SPEEDS | | | | | | No | MOT. | CL. | CL. | CL. |
|----------------|------|------|-----------|------|------|-----|-------|-----|-------|-------|
| NO. 6 UTL | | | NO. 3 UTL | | | | HI/LO | 2/1 | 3/1-2 | HI/LO |
| 25 | 30 | 31 | 37 | 30 | 39 | 1 | L | | 3 | L |
| 50 | 60 | 61 | 74 | 60 | 78 | 2 | H | | 3 | L |
| 73 | 88 | 90 | 108 | 90 | 115 | 3 | L | 1 | | L |
| 103 | 123 | 126 | 151 | 125 | 160 | 4 | L | 2 | | L |
| 115 | 158 | 141 | 193 | 195 | 245 | 5 6 | L | | 3 | H |
| 146 | 176 | 180 | 216 | 175 | 225 | 6 5 | H | 1 | | L |
| 206 | 246 | 253 | 303 | 250 | 315 | 7 | H | 2 | | L |
| 230 | 316 | 284 | 389 | 385 | 490 | 8 | H | | 3 | H |
| 338 | 464 | 414 | 568 | 570 | 720 | 9 | L | 1 | | H |
| 474 | 650 | 580 | 796 | 795 | 1000 | 10 | L | 2 | | H |
| 676 | 928 | 833 | 1142 | 1135 | 1440 | 11 | H | 1 | | H |
| 950 | 1300 | 1170 | 1600 | 1600 | 2000 | 12 | H | 2 | | H |

1 2 3 4
CAM No

PRE-SELECT UNIT



"AT REAR OF HEAD STK."



3" CAPACITY SPINDLE

| | | | |
|----------------------|---------|------------------------------|---------|
| Head | L-97291 | Spacer | B-90218 |
| Front bearing closer | A-86812 | Spacer | B-90219 |
| Rear bearing closer | A-86845 | Bearing retainer | B-90220 |
| Bearing spacer | B-36850 | Timken bearing cone #3 Prec. | B-91190 |
| Spindle | A-89917 | Timken bearing cup #3 Prec. | B-91191 |
| Driving button | B-37291 | Timken bearing cup #3 Prec. | B-91192 |
| Key | B-86865 | Timken bearing cone #3 Prec. | B-91193 |
| Adjusting nut | A-86846 | Timken bearing cone #3 Prec. | B-91546 |
| Adjusting nut | A-86847 | Timken bearing cup #3 Prec. | B-91547 |
| Drive plate | A-89769 | XPO Kaydon bearing | B-91194 |
| Clutch plate | A-89770 | MRC bearing with loose | B-91196 |
| Clutch hub | A-90211 | internal clearance | B-91197 |
| Clutch back plate | A-90212 | O-ring seal | B-91198 |
| Clutch front plate | A-90213 | O-ring seal | B-97725 |
| Clutch body | A-90214 | Smally wave spring | B-97350 |
| Clutch sleeve | A-90215 | Truarc 5100-500 ret. ring | |
| 70 tooth gear | A-90216 | | |
| 105 tooth gear | A-90217 | | |

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(6)

6-4-P

5" CAPACITY SPINDLE

| | | | | | |
|----------------------|-----|---------|------------------------------|---------|--|
| Head | | | | | |
| Front bearing closer | | | | | |
| Rear bearing closer | | | | | |
| Rear spacer | | | | | |
| Spindle | | | | | |
| Front spacer | | | | | |
| Key | (2) | | | | |
| Spacer | | | | | |
| Bearing retainer | (6) | | | | |
| Adjusting nut | | | | | |
| Adjusting nut | | | | | |
| Clutch hub | | | | | |
| Clutch back plate | | | | | |
| Clutch front plate | | | | | |
| Clutch body | | | | | |
| Clutch sleeve | | | | | |
| Drive plate | (4) | | | | |
| Clutch plate | (5) | | | | |
| Separator spring | (5) | | | | |
| 96T gear | | | | | |
| 126T gear | | | | | |
| | | L-97292 | Timken bearing cone #3 Prec. | B-91161 | |
| | | A-98436 | Timken bearing cup #3 Prec | B-91162 | |
| | | A-95799 | Timken bearing cone #3 Prec. | B-91163 | |
| | | B-38432 | Timken bearing cup #3 Prec. | B-91164 | |
| | | A-90469 | Kaydon bearing | B-91165 | |
| | | B-90447 | Kaydon bearing | B-91166 | |
| | | B-86865 | Kaydon bearing | B-91167 | |
| | | A-90417 | 0-ring seal | B-91168 | |
| | | B-90220 | 0-ring seal | B-91169 | |
| | | A-88433 | Spirolock RS 800 | B-97348 | |
| | | A-88434 | | | |
| | | A-90419 | | | |
| | | A-90418 | | | |
| | | A-38437 | | | |
| | | A-90423 | | | |
| | | A-90422 | | | |
| | | A-88440 | | | |
| | | A-88441 | | | |
| | | A-97726 | | | |
| | | A-88443 | | | |
| | | A-90445 | | | |

6-5-P

SPINDLE CONTROL

| | | | |
|-------------------|-----------|---------------------|---------|
| Housing extension | L-96001 | Bushing | B-96010 |
| Control housing | A-96002 | Shaft | B-96011 |
| Control base | A-96003 | Detent plate | B-96012 |
| Extension cover | A-96004 | Guide | B-96013 |
| Lever | A-96005 | Washer | B-96014 |
| Manifold | L-96006 | Stop plate | B-96015 |
| Plunger | A-96007 | Bushing | B-96016 |
| Manifold | A-96008 | Hyd. valve | B-96017 |
| Spring | B-49728-A | Hyd. valve | B-96081 |
| Spring | B-52220 | MRC bearing R-4-A-4 | B-96018 |
| Lever | B-97178 | Manifold gasket | A-96260 |
| Handle | B-92351 | Brake detent | B-97342 |
| Plunger | B-94759 | Pin | B-97343 |
| Switch | B-95884 | Collar | A-97344 |
| Legend plate | B-97355 | Lever hub | A-97345 |
| | (2) | | (3) |
| | | | (2) |

6-6-P

COLLET CHUCK 3" CAPACITY

| | | | |
|-------------------|---------|------------------------|---------|
| Yoke bracket | A-86967 | Ring | B-90472 |
| Finger | A-86965 | Abutment sleeve | A-90473 |
| Wedge shoe stud | A-70711 | Handle | B-98019 |
| Collet | B-42434 | Yoke pivot | A-95952 |
| Collet pad | A-44578 | Rear spindle guard | A-98018 |
| Finger roller | A-49563 | Collet hood guard | A-97436 |
| Finger roller pin | B-62784 | Spindle guard pin | B-86866 |
| Wedge | B-62785 | False jaw screw | 2231 |
| Air cylinder | A-74996 | Key | 2233 |
| Collet hood | A-86981 | Finger holder friction | B-44275 |
| Finger holder | A-88235 | Cyl. link | B-86975 |
| Pin | A-88236 | Yoke link pin | B-86976 |
| Plunger | B-88239 | Wedge shoe | B-74999 |
| | B-89916 | Cyl. mounting block | A-86980 |

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REC'D LOT 390

G-7-P

COLLET CHUCK 5" CAPACITY

| | | | | |
|-------------------|---------|-----|------------------------|---------|
| Yoke bracket | A-88318 | | Ring | A-88317 |
| Finger | A-88319 | (4) | Wedge shoe | B-88320 |
| Collet hood | A-70711 | | Collet | A-88795 |
| Spindle guard pin | A-88796 | | Collet pad screw | B-88797 |
| Finger roller | B-32580 | (4) | Yoke pivot | A-95955 |
| Finger roller pin | B-62784 | (4) | Rear spindle guard | L-98018 |
| Collet pad | B-62785 | (4) | Collet hood guard | A-97437 |
| Pin | A-80597 | | Handle | B-98019 |
| Air cylinder | B-88239 | (4) | Key | 2233 |
| Finger holder | A-88302 | | Finger holder friction | B-44275 |
| Plunger | A-88311 | | Cyl. link | B-86975 |
| Wedge | A-88313 | | Yoke link pin | B-86976 |
| Abutment sleeve | A-88315 | | Wedge shoe | B-74999 |
| | A-88316 | | Cyl. mounting block | A-86980 |

REC'D LOT 300

6-8-P

HEAD END BRACKET 3" CAPACITY

| | | | |
|------------------|---------|-------------------|---------|
| Spindle gear | A-95789 | 34T gear | A-95791 |
| Head gear | A-95790 | 35T-27T gear | A-95792 |
| Head end bracket | L-95771 | Spacer | B-95781 |
| Gasket | A-95773 | Bearing spacer | B-95782 |
| 36T-54T gear | A-95774 | Gear stud | B-95783 |
| 62T gear | A-95775 | Spacer | B-95784 |
| Bearing closer | A-95776 | Bearing closer | B-95785 |
| Shaft | A-95777 | Bearing spacer | B-95786 |
| Shaft | A-95778 | Bearing closer | B-97316 |
| Key | B-60449 | Feed shaft | B-95788 |
| Spacer | B-65145 | MRC bearing 203-S | B-95768 |
| Coupling | B-65161 | MRC bearing 204-S | B-95767 |
| Sight gauge | B-95753 | MRC bearing 205S | B-94912 |
| Bearing spacer | B-95779 | MRC bearing 205SZ | B-95769 |
| Spacer | B-95780 | | |

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REC'D 107 390

6-9-P

HEAD END BRACKET 5" CAPACITY

| | | | |
|------------------|---------|-------------------|---------|
| Spindle gear | A-95793 | 28T gear | A-95795 |
| Head gear | A-95794 | 41T-27T gear | A-95796 |
| Head end bracket | L-95771 | Spacer | B-95781 |
| Gasket | A-95773 | Bearing spacer | B-95782 |
| 36T-54T gear | A-95774 | Gear stud | B-95783 |
| 62T gear | A-95775 | Spacer | B-95784 |
| Bearing closer | A-95776 | Bearing closer | B-95785 |
| Shaft | A-95777 | Bearing spacer | B-95786 |
| Shaft | A-95778 | Bearing closer | B-97316 |
| Key | B-60449 | Feed shaft | B-95788 |
| Spacer | B-65145 | MRC bearing 203-S | B-95768 |
| Coupling | B-65161 | MRC bearing 204-S | B-95767 |
| Sight gauge | B-95753 | MRC bearing 205S | B-94912 |
| Bearing spacer | B-95779 | MRC bearing 205SZ | B-95769 |
| Spacer | B-95780 | | B-95770 |

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REC'D 107 390

6-10-P

CROSS SLIDE AND CARRIAGE

| | | | |
|--------------------------|-------------|-----------------------|-------------|
| Cross feed dial | B-42854 | Adjusting nut | B-40580 |
| Feed screw nut | B-74619 | Feed screw gear | B-63453 |
| Compensating nut | B-74620 | Stop | B-63539 |
| Cross slide gib | B-74621 | Wiper cover | B-97922 (2) |
| Cross slide | L-95591 | Wiper cover | B-74623 (2) |
| Carriage | L-95592 | Wiper cover | B-74624 |
| Clamp | A-63376 (2) | Wiper cover | B-74625 |
| Rear cap | A-74615 | Wiper | B-97921 |
| Handwheel | A-95159 | Right front taper gib | B-74627 |
| Front cap | A-95594 | Left front taper gib | B-74628 |
| Feed screw | A-95595 | Rear gib | B-74629 |
| Gib screw | B-31890 (4) | Handle | B-95020 |
| Clip | B-31937 (6) | Trip pin | B-95163 |
| Tee bolt | B-34400 | Handle hub | B-95902 |
| Trip | B-36375 | Binder stud | B-95596 |
| Bearing spacer | B-36377 (2) | Lever stud | B-96066 |
| Bearing spacer | B-36378 | Shoe | 2252 |
| Stud | B-37754 | Plug | 2253 |
| Clamp lever sub assembly | B-96070 | Plug | 2281 |
| | | MRC bearing #7305 | (2) |
| | | | (5) |
| | | | (4) |
| | | | (2) |

REC'D LOT 390

6-12-P

CARRIAGE APRON

| | | | |
|---------------------|---------|---------------------|---------|
| Carriage dial | A-95668 | Dial feed plate | B-95671 |
| Dial feed plate | B-95670 | Gib | B-95965 |
| Carriage apron | L-94820 | Bunting bushing | B-65319 |
| Apron cover | L-94821 | Spacer | B-65322 |
| Right side cover | A-94822 | Dial marker | B-65334 |
| Left side cover | A-94823 | Bushing | B-65339 |
| Cross feed lever | A-94824 | Sleeve | B-65340 |
| Long. feed lever | A-94825 | Screw | B-65341 |
| Gear shift lever | A-94826 | Shift pin | B-65342 |
| Worm gear | B-65296 | Bearing spacer | B-65352 |
| Feed arrow | B-41719 | Bushing | B-65387 |
| Knockout spring | B-31760 | Bushing | B-65388 |
| Feed lever spring | B-31917 | Lever guard | B-67045 |
| Rev. detent spring | B-31918 | Feed lever cam | B-67046 |
| Clutch spring | B-34684 | Clutch plug | B-69183 |
| Stud | B-37754 | Stop screw | A-69817 |
| Adjusting nut | B-40580 | Spacer | B-70631 |
| Spring | B-46766 | Stop screw roll | A-71323 |
| Spring | B-52222 | Bushing | B-73036 |
| Spring | B-59673 | Pin | B-81534 |
| Spacer | B-62521 | Handle | B-92351 |
| Triple cluster gear | A-65259 | Knob | B-93655 |
| Tooth clutch gear | A-96032 | Front gasket | A-94991 |
| Gear shifter stud | B-65275 | Left side gasket | A-94992 |
| Bushing | B-65287 | Right side gasket | A-94993 |
| Tooth clutch | B-65286 | Cam shaft | A-94994 |
| Pinion shaft | A-95669 | Gear shift cam | A-94995 |
| Tooth clutch gear | B-65289 | Hollow shaft | A-94996 |
| Clutch bolt nut | B-65293 | Shaft | A-94997 |
| Spacer | B-65295 | Handwheel | A-98229 |
| Tooth clutch | B-96031 | Clutch bolt | A-95000 |
| Feed lever plunger | B-65302 | Lever | B-95001 |
| Double cluster gear | B-65306 | Detent holder | B-97382 |
| Double cluster gear | B-65307 | Shifter block | B-95003 |
| Double cluster gear | B-65308 | Shifter rod | B-95004 |
| Idler gear | B-65310 | K.O. rod plug 15/16 | B-95005 |
| Worm | B-65311 | Lever stop | B-95006 |
| 40T gear | B-65312 | C.S. knockout rod | B-95007 |
| Bunting bushing | B-65318 | Detent plate | B-95008 |

REC'D LOT 880

6-13-P

CARRIAGE APRON

| | | | |
|----------------------------|---------|-----------------------------|---------|
| Cam spacer | B-95009 | Handwheel shaft | B-95023 |
| Feed dial | B-95010 | Retainer | (2) |
| Idle gear stud | B-95012 | Spring | (8) |
| Sleeve | B-95013 | Spacer | (2) |
| Bearing spacer | B-95014 | Pin | (4) |
| 25T gear | B-95015 | Cross feed lever rod | B-95028 |
| Spacer | B-95016 | Reversing gear shaft rod | B-95065 |
| Feed disengage pin | B-95017 | Plug | B-95066 |
| K.O. rod plug 1-1/16 | B-95018 | Carriage apron top gasket | A-95836 |
| Feed lever stud | B-95019 | Breather | B-95755 |
| Knob | B-95020 | Clutch bushing | B-96021 |
| Washer | B-95021 | Worm gear sub assembly | B-95325 |
| Pinion shaft gear | B-95022 | Torrington NTA-1828 bearing | B-96033 |
| Victor seals #60096 | B-95749 | Torrington TRC-1828 plate | (2) |
| Victor seals #62302 | B-95748 | MRC bearing 202-S | (2) |
| Victor seals #60454 | B-95750 | MRC bearing 207-S | B-95758 |
| Aetna bearing E-7 | B-95762 | MRC bearing R-4 | (2) |
| Bijur sight gage #B-5734 | B-95753 | MRC bearing 104-KS | (3) |
| Bijur KIC-C-2367 lube pump | B-95754 | MRC bearing 107-KS | B-95761 |
| Drill jig bushing #GA-92 | B-95756 | MRC bearing 204-S | (3) |
| Jergens #26908 plunger | B-94759 | Brass shoe | 1049 |
| Lever stop | B-96137 | Brass shoe | 2246 |
| Tooth clutch with 40T gear | B-96536 | Brass shoe | 2281 |
| Tooth clutch with 23T gear | B-96537 | Brass shoe | 2289 |
| CHIP GUARD | A-99520 | WASHER | 1066 |
| | | WASHER | 1071 |

2000 107 380

6-13-P

TURRET SLIDE AND SADDLE

| | | | |
|----------------------------|---------|--------------------------|---------|
| Turret cover | B-36154 | Lower cap - read | A-60301 |
| Turret | A-60307 | Rack | A-60302 |
| Tumbler | A-62969 | Saddle way - front | A-60303 |
| Saddle | L-95513 | Saddle way - rear | A-60304 |
| Slide | L-74559 | Saddle way - front | A-60305 |
| Turret clamp | A-74561 | Pawl cam | B-62959 |
| Pawl | B-67784 | Lockbolt lever roller | B-62961 |
| Bevel gear nut | B-13962 | Washer | B-62962 |
| Knockout spring | B-31760 | Lockbolt | A-62963 |
| Knockout rod plug | B-80810 | Stop pin | B-62964 |
| Ind. stop shaft collar | B-33163 | Pawl spring | B-62966 |
| Lock bolt spring | B-33479 | Lockbolt lever | A-62968 |
| Ind. stop shaft bevel gear | B-33481 | Lockbolt lever pin | B-62980 |
| Ratchet | B-36163 | Pawl pivot pin | B-62981 |
| Turret Bevel gear | B-36164 | Right front gib | B-63014 |
| Binder bolt | B-36180 | Lever washer | B-63347 |
| Jam nut | B-80811 | Manifold | B-63425 |
| Turret locating ring | A-41143 | Latch pivot | B-95515 |
| Chip guard | A-41822 | Latch | B-95516 |
| Chip guard support | A-41827 | Ratchet pin | B-64965 |
| Steel way screw | B-58225 | Turret locating ring pin | B-65368 |
| Carrier nut | B-58792 | Pawl stop | B-67791 |
| Clamp nut | B-59767 | Clamp stud | B-95517 |
| Gib screw | B-58815 | Stop screw roll | A-70945 |
| Lockbolt bushing | B-58820 | Spring guide | B-70964 |
| Oil plug | B-58855 | Binder hub | B-92239 |
| Manifold | B-60282 | Binder handle | B-92325 |
| Stop rod | B-60283 | Handle knob | B-92351 |
| Knockout rod | B-80809 | Brass shoe | B-95687 |
| Left front gib | B-60286 | Tumbler seat | B-71971 |
| Rear gib | B-60287 | Lockbolt sleeve | B-72027 |
| Rear gib | B-60288 | Spring retainer | B-72028 |
| Stop screw | B-60289 | Release trip | B-73875 |
| Ind. stop shaft | B-60290 | Clamp stud | B-73876 |
| Stop | B-60291 | Clamp release | B-73877 |
| Tumbler screw | B-60292 | Link | B-73878 |
| Slide cap - front | B-60297 | Washer | B-73879 |
| Slide cap - clamp | B-95514 | Slide cap - rear | A-74562 |
| Slide cap - front | A-60298 | Guard | B-74563 |
| Lower cap - front | A-60300 | Clamp spacer | B-74586 |

REV 107 500

6-14-P

TURRET SLIDE AND SADDLE - Continued

| | | | | | |
|--------------------|-----|---------|------------|-----|------|
| Clamp ring locator | (2) | B-77660 | Washer | (4) | 1067 |
| Soft pin | (2) | 279 | Plug | (5) | 2247 |
| Pin | (4) | 301 | Brass shoe | (5) | 2254 |
| Shoe | (6) | 884 | Plug | | 2313 |
| Shoe | (6) | 1049 | Plug | | 2397 |
| Washer | (6) | 1060 | Plug | | 2401 |

786'D 107 890

6-14-P

SADDLE APRON

| | | | |
|---------------------|---------|-----------------------------|---------|
| Dial | A-95673 | Pinion shaft | A-95675 |
| Feed lever | A-95674 | Dial feed plate | B-95676 |
| Seal retainer | B-95679 | Dial feed plate | B-95677 |
| Apron | L-95728 | Tooth clutch | B-96031 |
| Apron cover | A-94828 | Tooth clutch | B-65824 |
| Left side cover | A-96025 | Gear | B-95730 |
| Turnstile sleeve | A-94831 | Rear cover | B-65834 |
| Right side cover | A-96024 | REar gasket | B-65836 |
| Top cover | A-95422 | Lever guard | B-67045 |
| Worm gear | B-65296 | Feed lever cam | B-67046 |
| Lever | B-65802 | Clutch plug | B-69183 |
| Lever | B-65803 | Clutch plug | B-73036 |
| Triple cluster gear | A-65808 | Bushing | B-92351 |
| Cam | A-69916 | Handle | B-93655 |
| Cam shaft | A-94994 | Knob | B-95006 |
| Front gasket | A-95122 | Lever stop | B-95009 |
| | | Cam spacer | B-95019 |
| | | Feed lever stud | B-95020 |
| Left side gasket | A-96064 | Knob | B-95024 |
| Right side gasket | A-96065 | Retainer | B-95025 |
| Hollow shaft | A-95125 | Spring | B-95026 |
| Shaft | A-95126 | Spacer | B-95027 |
| Clutch bolt | A-95127 | Pin | B-95130 |
| Feed arrow | B-42100 | Gasket | B-95131 |
| Spring | B-31917 | Feed dial | B-95132 |
| Spring | B-52222 | Dial feed plate | B-95133 |
| Spacer | B-62521 | Detent plate | B-95134 |
| Clutch bolt nut | B-65293 | Spacer | B-95135 |
| Double cluster gear | B-65306 | Bearing spacer | B-95136 |
| Double cluster gear | B-65307 | Spacer | B-95137 |
| Double cluster gear | B-65308 | Bearing spacer | B-95138 |
| Worm | B-55311 | Long. feed lever rod | B-95131 |
| Spacer | B-65322 | Top gasket | B-95731 |
| Dial marker | B-65334 | Turnstile hub | A-98358 |
| Sleeve | B-65340 | Turnstile handle | B-65823 |
| Screw | B-65341 | Plug | B-95837 |
| Shift pin | B-65342 | Arrow breather vent ASP-4BV | B-95755 |
| Bushing | B-65386 | Lever stop | B-96138 |
| Feed lever plunger | B-65822 | Clutch bushing | B-97309 |
| Lever screw | B-65817 | | |

6-15-1P

REC'D 107#390

SADDLE APRON (CONT.)

B-95753
B-95759
B-95760
B-95761
B-95767
1049
1066

MRC bearing - 207-S
MRC bearing - R-4
MRC bearing - 104-KS
MRC bearing - 107-KS
MRC bearing - 204-S
Brass shoe
Brass shoe

B-95748
B-95752
B-95754
B-95753
B-94759
B-95756

Victor seal - #62302
J.M. hat gasket - #9846
Bijur KIC-C-2367 lube pump
Bijur sight gage - B-5734
Jergens plunger #26908
Drill jig bushing #GA-92

(2)

REC'D 407 590

6-15-P

COOLANT PUMP & PIPING (1/2 HP)

| | | | |
|------------------------|---------|---|-------------|
| Manifold | A-95994 | Bronze Apollo ball valve | (2) B-94875 |
| Gusher coolant pump | | No. 70-103-01 1/2" N.P.T. | |
| Model 9050 Long-1/2 HP | B-97122 | American Flexible metal hose type F2 | (2) B-95995 |
| | | Parker No. S-2202-12-12 | |
| | | 360° hydraulic swivel adaptor | (4) B-95996 |

REC'D LOT 890

6-16-P

BAR FEED - 3" CAPACITY

| | | | |
|----------------------|---------|-----------------------|---------|
| Rear bearing closer | A-70146 | Front bearing closer | A-96202 |
| Sup. Tube bracket | A-70155 | Chuck guard | A-96203 |
| Lever | B-70163 | Revolving head sleeve | A-68204 |
| Sliding head | A-96098 | Pin | B-69148 |
| Rear stand | A-96099 | Collar | B-70171 |
| Center stand | L-96100 | Support tube | B-70172 |
| Front stand | L-97323 | Bar | B-70187 |
| Bracket | A-96102 | Stand head washer | B-70191 |
| Chuck plate | B-38594 | Sprocket guard | A-97324 |
| Spring | B-43666 | Sprocket guard | A-96104 |
| Shoe | B-66329 | Motor bracket | A-96105 |
| Center plug | B-61952 | Chain extension | B-96106 |
| Chuck screw | B-63182 | Roller chain bracket | B-96107 |
| Chuck jaws | A-63185 | Idler shaft | B-96108 |
| Handle | B-93655 | Drive shaft | B-96109 |
| Revolving head | A-96201 | Chain guard | B-96111 |
| Inner bearing spacer | B-68188 | 14T sprocket | B-96129 |
| End bearing spacer | B-68191 | Boston pillow block | B-96130 |
| Sprocket guard | A-98122 | Coupling | B-96131 |
| Inner sleeve No. 1 | A-97410 | Air motor | B-96132 |
| Inner sleeve No. 2 | A-97409 | Washer | 1056 |
| Inner sleeve No. 3 | A-97408 | Washer | 1069 |
| | | | (2) |
| | | | (2) |
| | | | (2) |
| | | | (2) |
| | | | (4) |
| | | | (4) |
| | | | (8) |
| | | | (4) |

REC'D 107 890

6-17-P

5 INCH CAPACITY BAR FEED (B&O)

| | | | |
|------------------------|-------------|----------------------|-------------|
| Bracket | A-96102 | Lever stud | B-95810 |
| Handle | A-98097 | Chain extention | B-96106 |
| Rear bearing closer | A-98098 | Roller chain brkt. | (2) B-96107 |
| Support tube brkt. | A-98101 | Pin | (2) B-98087 |
| Sliding head | A-98102 | Pillow block | (4) B-98088 |
| Rear stand | L-98104 | Sprocket | (2) B-98089 |
| Center stand | L-98105 | Washer | B-98090 |
| Front stand | L-98106 | Idler shaft | B-98091 |
| Spring | B-43666 | Chain guard | B-98092 |
| Shoe | B-66329 | Drive shaft | A-98093 |
| Jaws | B-77122 | Support tube | A-98094 |
| Locknut | (4) A-80770 | Collar | A-98095 |
| Sleeve | A-80772 | Motor bracket | A-98096 |
| Front brg. closer | A-80773 | Drive sprocket guard | A-98099 |
| Guard | A-80774 | Idler sprocket guard | A-98100 |
| Chuck | A-80780 | Sliding head tube | (2) A-98103 |
| Bearing spacer | A-80781 | Air motor | B-98108 |
| Wood's coupling-sleeve | B-91468 | Inner sleeve #1 | A-98063 |
| Wood's coupling-hub | B-91470 | Inner sleeve #2 | A-98064 |
| Wood's coupling-hub | B-91531 | Inner sleeve #3 | A-98065 |
| Knob | B-95020 | Inner sleeve #4 | A-98066 |
| | | Inner sleeve #5 | A-98067 |
| | | Inner sleeve #6 | A-98068 |

REC'D 407 890

6-18-P

MOTOR DRIVE - STERLING

30/15 HP

Motor plate
Motor shaft
Motor

A-96196
A-98155
B-98152

36/18 HP

Motor plate
Motor shaft
Motor

A-88189
A-98156
B-98153

6-19-P

MOTOR DRIVE - STERLING

30/15 HP

Motor plate
Motor shaft
Motor

A-96196
A-98155
B-98152

36/18 HP

Motor plate
Motor shaft
Motor

A-88189
A-98156
B-98153

REC'D 107 390

6-19-P

MOTOR DRIVE - LOUIS ALLIS

36/18 HP

A-88189
A-96144
B-96208

Motor plate
Motor shaft
Motor

A-96196
A-95701
B-95646

30/15 HP

Motor plate
Motor shaft
Motor

REC'D LOT 390

6-19-P

ELECTRICAL EQUIPMENT

Control enclosure
Enclosure bracket

L-96125
L-96151

Control box brace
Washer

(3)
(6)

A-95274
1067

REC'D LOT 890

G-20-P

SQUARE TURRET

| | | | | |
|------------------------|---------|-------------------|------|---------|
| Lever | A-42151 | Tee nut | (4) | B-96177 |
| base | A-58497 | Square head screw | (12) | 2041 |
| Square turret | A-58496 | Spring | | 2075 |
| Spring | B-31931 | Straight pin | | 2326 |
| Spring L.B. | B-32049 | Plug | | 2397 |
| Binder lever collar | B-32475 | Gits/oiler | (2) | B-95803 |
| Spring plunger | B-32476 | | | |
| Lock bolt sleeve screw | B-34175 | | | |
| Spring | B-34684 | | | |
| Lockbolt | B-39900 | | | |
| Lockbolt sleeve | B-39901 | | | |
| Lockbolt bushing | B-39902 | | | |
| Bottom plate | B-39905 | | | |
| Lockbolt cam | B-39910 | | | |
| Lockbolt lever | B-39912 | | | |
| Index plunger | B-39914 | | | |
| Lever shaft | B-42145 | | | |
| Lever bushing | B-42146 | | | |
| Lever collar | B-42147 | | | |
| Lever collar | B-42148 | | | |
| Lever ball | B-42149 | | | |
| Center stud | B-43627 | | | |
| Indexing plate | B-43629 | | | |
| Center bushing | B-51200 | | | |
| Center sleeve | B-51201 | | | |
| Tumbler | A-81956 | | | |
| Square turret ring | B-58488 | | | |
| Pivot screw | B-58489 | | | |
| Tumbler plunger | B-58490 | | | |

(4)

6-21-P

CROSS SLIDE TAPER ATTACHMENT

B-33344
 B-33345
 B-36876
 B-97265
 B-96177
 1008
 1069
 2058

(2)
 (4)
 (2)
 (2)
 (4)

Tool slide stud
 Follower
 Bracket
 Bracket stud
 Tee nut
 Knurled head screw
 Washers
 Square head screw

B-33347
 B-33348
 B-34819
 A-36875
 A-63200
 B-31890
 B-33343

Tool slide taper gib
 Swivel slide taper
 Yoke
 Base
 Tool slide
 Gib screw
 Swivel stud

(2)

3" T.P.F. - 8" Long

A-33704
 A-36852

Swivel plate
 Swivel slide

20° T.P.F. (4.232) 7" Long

A-53001
 B-53055

Swivel plate
 Follower

Stationary Sine Bar Taper Attachment

.500 T.P.F.
 .600 T.P.F.
 .625 T.P.F.

A-42180
 (A-42181
 (A-42220

Sine bar slide
 Sine bar
 Sine bar back taper

2-1/4 T.P.F. - 12" Long

A-49656
 A-49657

Swivel slide
 Swivel

REV'D 107 J10

6-22-P

S.C.A.

Bracket
Lg. fd. lever
Lever (#4 UTL only)
Leader
Lever (#6 UTL only)
Lever (#3 UTL only)
Leader nut
Spring
Leader bushing
Follower
Follower rack
Closer
Disengage block
Pin
Kickout plunger

A-71286
A-71859
B-71288
A-71289
B-80822
B-95148
B-32079
B-48061
B-71290
B-71291
A-71292
B-71293
B-71294
B-71306
B-71297

Stop lever
Knock out adjustment
Bushings
Knock out rod
Lever catch
Detent
Knock out rod plunger
Lever rod
Lever pivot
Pinion shaft
Kickout plun. spring
Cover
Spring
Knob
Gits oiler
Socket wrench #270-S
Engr. wrench BW-10A

B-71298
B-71299
B-71301
B-71302
B-71303
B-71304
B-71305
B-95810
B-71307
B-71858
B-52312
B-71319
B-56121
B-95020
#2201
B-98227
B-98226

REC'D LOT 390

6-23-P

15 IN. CHUCK GUARD

| | |
|--------|------------|
| Hood | A-98462 |
| Guard | A-98463 |
| Knob | B-84088 |
| Washer | (2) C-2303 |

REC'D LOT 390

6-24-P

12 IN. CHUCK GUARD (5 IN. CAP.)

| | |
|-------------------|---------|
| Hood | A-98265 |
| Guard | A-98266 |
| Spindle guard pin | B-32580 |
| Knob | B-84088 |
| Washer | C-2303 |
| | (2) |

6-25-P

12" SCROLL CHUCK GUARD (3 IN. CAP.)

Guard hood

A-96228

Guard
Washer

(2)

A-66243
1065

6-26-P

TOOLS 622 & 622A

TOOL 622

Pilot bracket

A-96229

Binder bolt
Washer

(2) B-38936
(2) 1071

TOOL 622A

Pilot bar 24"

B-96230

Pilot bar 28"

B-86231

6-27-P

POWER RAPID TRAVERSE

| | | | |
|-------------|-----|-------------------------|---------|
| Control box | | Cam shaft | B-76550 |
| Cross slide | | Lever | B-76551 |
| Carriage | | Detent | B-76552 |
| Cover | | Stop block | B-76554 |
| Housing | | Cover | B-76555 |
| Spring | | Gasket | B-76556 |
| Bushing | | Feed screw | A-98520 |
| 27T gear | (3) | Chip guard | A-98521 |
| Stud | (2) | Feed screw guard const. | A-98522 |
| Spacer | (2) | Sleeve | B-98523 |
| | | Flange | B-98524 |
| | | 43T gear | B-98525 |
| | | Stop block | B-98526 |
| | | Speed cont. muffler | B-88698 |
| | | Pressure reg. | B-91243 |
| | | Air motor | B-96132 |
| | | Air valve | B-96503 |
| | | Plug | #2281 |

INCH/METRIC DIAL

| | | | |
|---|---------|---|-----------------------|
| Jergens conversion dial unit No. 65103 | | Handwheel Nut | A-97151 B-97152 |
| Machine slave hub by B & O | A-97149 | Adapter Clip | B-97153 B-97306 |
| Jergens increment ring 0/333 Machine ring by B & O | B-97150 | McMaster Delrin fluted-head finger - Screw No. 94323D191 | (6) (6) B-97330 |

REC'D 107 890

6-29-P

USING THE CONVERSION DIAL

1. Inch measurement

With the inch engraving on the selector ring to the top, the engraved dial will now revolve at the same speed as the lead screw.

2. Millimetre measurement

The conversion dial can be changed from inch to metric by turning the selector ring slowly 180° in a clockwise direction until it can be felt clicking into the detent position. This will show the mm engraving at the top. The engraved dial will now revolve at a higher speed than the leadscrew spindle, 2.54 to 1.

3. Reversion to inch measurements

The selector ring is returned to the detent position in a counter-clockwise direction. A small arrow engraved beside the inch and mm engraving shows the direction of rotation in each case.

4. Zero set

The engraved dial can be set at zero or any other position on the dial by unscrewing the thumb screw, moving it to the required position and then re-tightening the thumb screw.

REC'D LOT 390

6-29-P

STEADY REST

| | | | |
|---------------------|---------|-------------------------|----------|
| Lever | | | |
| Cap | A-49168 | Roller clamp | B-49175 |
| Slide | B-49169 | Roller clamp | B-49176 |
| Body | A-49206 | Slide clamp | B-49207 |
| Adapter plate | A-98549 | Gear | B-49208 |
| Binder lever collar | A-98550 | Cap | B-49395 |
| Spring plunger | B-34248 | Rear Cap | B-98551 |
| Roller slide | B-34249 | SK-1106 assembly-McGill | B-93387 |
| Shaft | B-45871 | Pin | 314 |
| Rack | B-49172 | Pin | 983 |
| | B-49173 | Spring | 2075 |
| | | Sq. hd. collar scr. | (3) 2121 |
| | | Brass shoe | (2) 2254 |
| | | Brass shoe | (2) 2375 |

6-30-P

AIR POWER CHUCK - POWERHOLD

Bracket
Spindle adapter
Cylinder guard
Powerhold chuck
Powerhold air cylinder

A-97270
A-98196
A-98197
Model 300-3-PR-A8
Model 6-B

Powerhold draw tube & nut
Powerhold soft blank top jaws
Jaw No. 300-1 (1 set)
Valvair speed control plug (2)
Numatics 4-way valve B-88698
Wilkerson filter - B-95900
regulator - lubricator B-96926

6-31-P

AIR POWER CHUCK - CUSHMAN

| | | | |
|-----------------------|---------|---------------------------------|----------------------|
| Adapter | A-90821 | Cushman 12 in.-3-jaw chuck | Series 20-670-12-A0B |
| Bracket | A-97270 | Cushman 12 in. air cylinder | Series 10-752-12-000 |
| Spindle guard | A-98408 | Cushman soft top jaws (3) | Model #25-13071 |
| Draw rod | B-90822 | Valvair speed control plug (2) | B-88698 |
| Anti-rotation bracket | B-98409 | Numatics 4-way valve | B-95900 |
| | | Wilkerson filter-regulator-lub. | B-96926 |

6-31-P

TURRET COOLANT DISTRIBUTOR

| | |
|----------|---------|
| Adapter | A-85518 |
| Housing | A-98339 |
| Shut-off | B-84993 |
| Locknut | B-85521 |
| Stem | A-98337 |
| Manifold | A-98338 |

(6)
(6)

6-32-P

SMW POWER CHUCK

Chuck adapter
Ring mtg. bracket
SMW 12.5-L chuck
SMW jaws (1 set)

A-98701
A-98702
Part.No. 11112033
Part No. 11135132

6-33-P

ADJ. SPINDLE BACK STOP

| | |
|------------|---------|
| Adj. screw | A-98725 |
| Stop | A-98726 |
| Adapter | A-98727 |

6-34-P

VICKERS PUMP MOUNTING

| | | | | |
|--------------------|-----|---------|----------------------------|---------|
| Pump motor pad | (2) | B-97106 | Woods Sure-flex. coupling | B-91470 |
| Pump spacer | (2) | B-97973 | Woods Sure-flex. coupling | B-94138 |
| Pump motor spacer | (2) | B-97974 | Woods Sure-flex. coupling | B-94139 |
| Guard | | A-97975 | Vickers V10-2P3P-IC20 pump | B-95474 |
| Motor & pump plate | | A-97976 | | |

6-35-P

15 in. AIR POWER CHUCK - CUSHMAN

| | | | |
|--------------------------------|---------|---------------------------|----------------|
| Cylinder adapter | A-99302 | Cushman 15 in chuck | #20-620-15-A11 |
| Cylinder guard | A-99303 | Cushman 16 in cylinder | #10-752-16-000 |
| Draw rod | A-99304 | Cushman soft top jaws (3) | #05-201457 |
| Anti-rotation bracket | B-98409 | | |
| Wilkerson filter-reg.-lub. | B-96926 | | |
| Numatics 4-way valve | B-95900 | | |
| Valvair speed control plug (2) | B-88698 | | |

6-36-P

SPECIAL CHUCK GUARD

Hood
Guard

A-99345
A-99346

Knob
Washer

(2)

B-84088
C-2303

6-37-P

HYDRAULIC POWER CHUCK

Bracket
Cylinder guard
Draw tube adapter
Draw tube
Adapter
Chuck adapter

A-99231
A-99230
A-99229
A-99228
A-99227
A-99378

Cushman 3 jaw chuck #12-580-12-A08
Cushman 2 jaw chuck #91-586-12-204
Cushman 10 in. hyd. cyl. #10-764-10
Cushman collet pad top jaw (1 set)
Continental Poly-Pak unit B-91536
Continental 4-way valve #VS12M-2A-GB0 B-99383
Schroeder filter #DF-30-1D10-P-D B-85891
Can-Flo gage #CFIP-100S B-98143

6-38-P

ENCODER DIGITAL READOUT

| | | | |
|------------|---------|-------------------------|-------------|
| Bushing | | | |
| Feed screw | | | |
| Sleeve | | | |
| Flange | | | |
| Housing | | | |
| Cover | | | |
| Guard | | | |
| (2) | B-72844 | 25T gear | B-99392 |
| | A-98520 | 35T gear | B-99393 |
| | B-98523 | 15T gear | B-99394 |
| | B-98524 | Spacer | (2) B-99395 |
| | A-99389 | Encoder digital readout | B-99396 |
| | A-99390 | Plugs | |
| | A-99391 | | |

6-39-P