# MODEL SB1015F
# 16" X 60" LATHE 440V w/DRO
## Manual Insert

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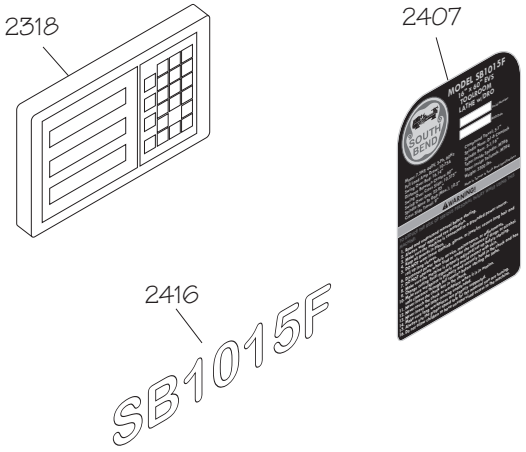
The Model SB1015F Lathe is the same machine as the Model SB1015 except for the following:

- Added a 2-Axis Fagor Digital Readout (DRO).

Except for the differences noted in this insert, all other content in the Model SB1015 Owner's Manual applies to this machine. Before operating your new lathe, you MUST read and understand this insert, the entire Model SB1015 Owner's Manual, and the Fagor DRO Owner's Manual to reduce the risk of injury when using this machine. Keep this insert for later reference.

If you have any further questions about this manual insert or the differences between the Model SB1015F and the Model SB1015, contact our Technical Support at (360) 734-1639 or email sales@southbendlathe.com.

# New & Changed Parts



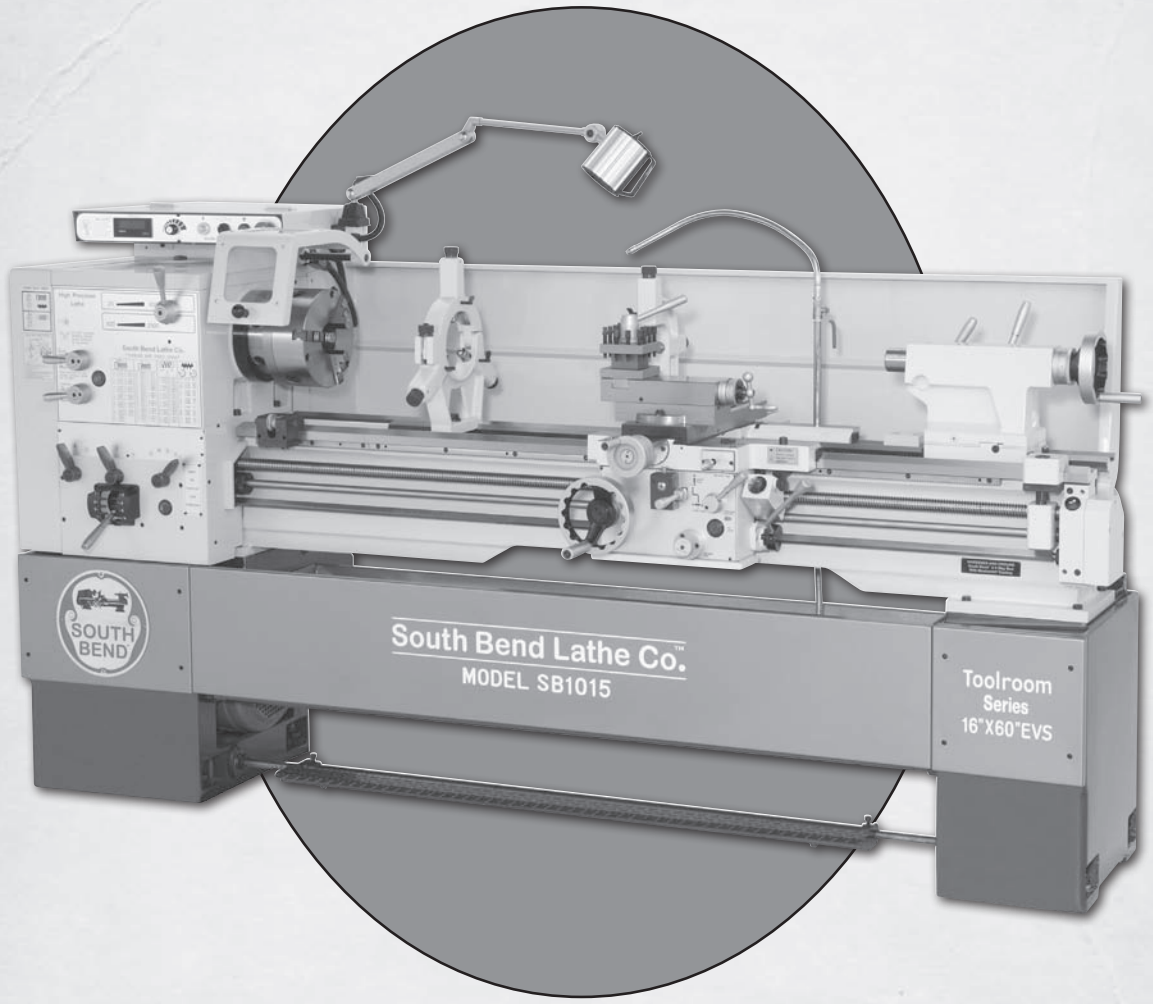

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2318 | PSB1014F2318 | DRO ASSEMBLY FAGOR 20i-T 2-AXIS |
| 2407 | PSB1015F2407 | MACHINE ID LABEL |
| 2416 | PSB1015F2416 | MODEL NUMBER LABEL |

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**#BL14236 Printed in USA**

# 16" X 60" EVS TOOLROOM LATHES

**MODEL SB1014 - 220V**

**MODEL SB1015 - 440V**




## PARTS MANUAL

# South Bend Lathe Co.™

*Hundreds of Thousands of Lathes Sold With a Tradition of Quality Since 1906!*




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For Machines Mfg. Since 7/09

# Scope of Manual

The parts breakdowns in this manual are provided to facilitate the service and repair of this machine as follows: (1) By helping the mechanic understand how and where individual parts fit together; and (2) by establishing a numbering system from which available replacement parts can be ordered. Please note that not all parts shown are available for purchase and some individual parts may only be available in assemblies with other parts. In the case of fasteners or other off-the-shelf hardware, we will happily provide customers with replacements, but for the sake of expediency, these can also be found at your local hardware or industrial supply store.

# Manual Feedback

We've made every effort to be accurate when documenting this machine. However, errors sometimes happen or the machine design changes after the documentation process—so the manual may not exactly match your machine. If a difference between the manual and machine leaves you in doubt, contact our customer service for clarification.

We highly value customer feedback on our manuals. If you have a moment, please share your experience using this manual. What did you like about it? Is there anything you would change to make it better? Did it meet your expectations for clarity, professionalism, and ease-of-use?

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# Updates

For your convenience, any updates to this manual will be available to download free of charge through our website at:

**www.southbendlathe.com**

# Customer Service

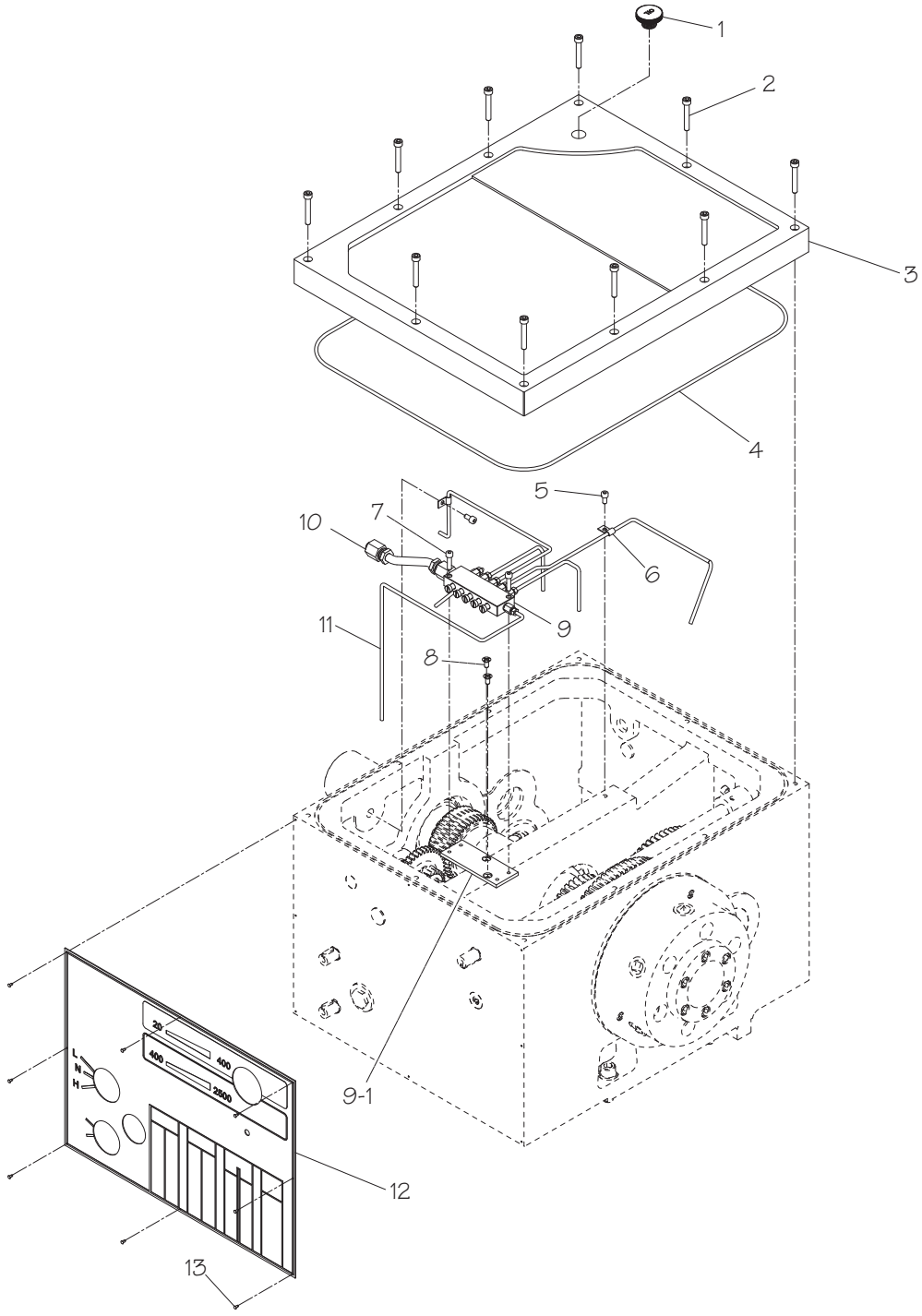
We stand behind our machines. If you have any service questions, parts requests or general questions about the machine, feel free to contact us.

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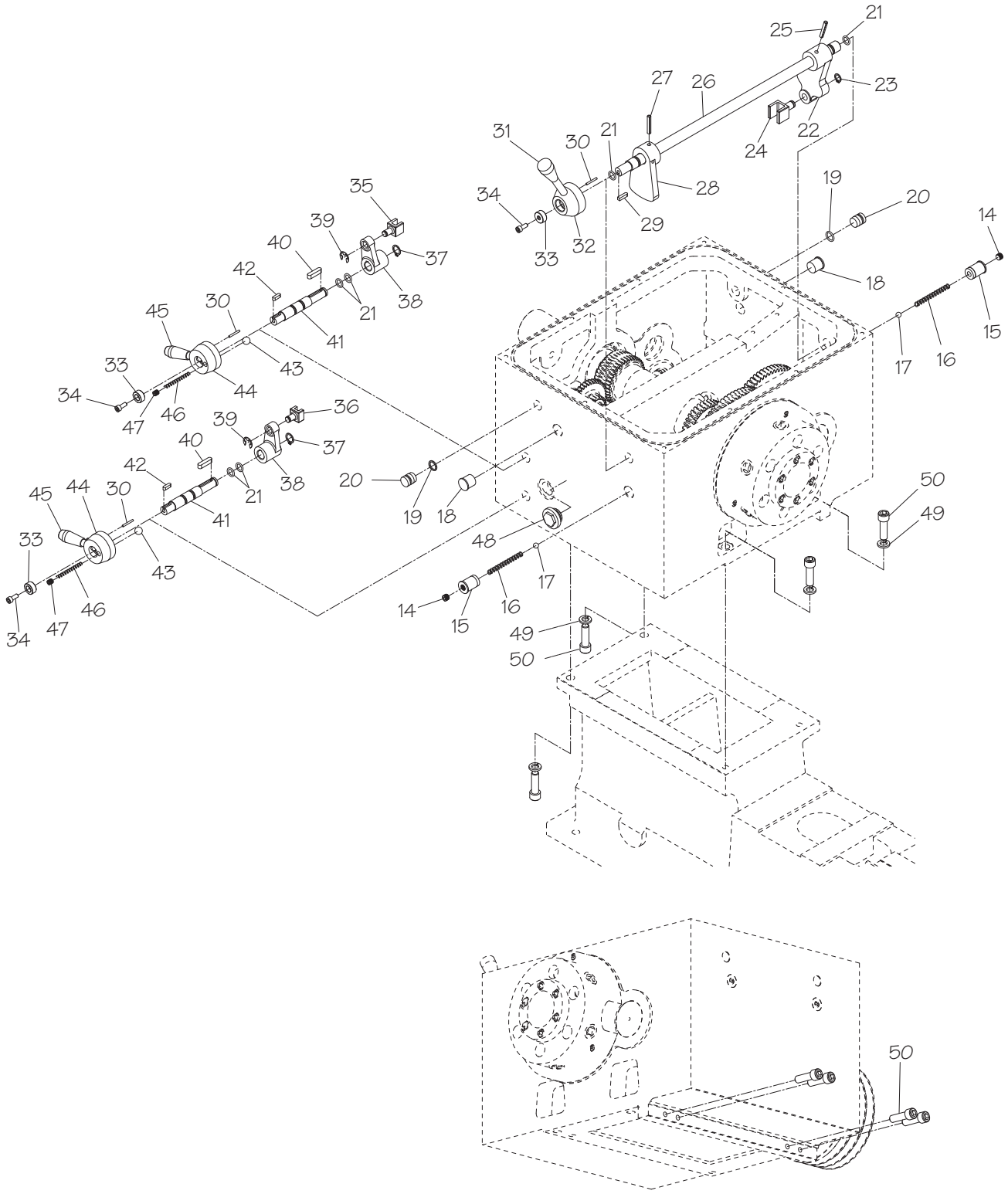
# Headstock Casing




| REF | PART # | DESCRIPTION |
|---|---|---|
| 1 | PSB10120001 | OIL FILL PLUG |
| 2 | PCAP29M | CAP SCREW M6-1 X 40 |
| 3 | PSB10120003 | HEADSTOCK COVER |
| 4 | PSB10120004 | COVER OIL SEAL M4 X 1700 |
| 5 | PCAP50M | CAP SCREW M5-.8 X 10 |
| 6 | PSB10120006 | PIPE CLIP 5MM |
| 7 | PCAP15M | CAP SCREW M5-.8 X 20 |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 8 | PFH30M | FLAT HD SCR M5-.8 X 8 |
| 9 | PSB10120009 | OIL DISTRIBUTOR A-5S |
| 9-1 | PSB10120009-1 | OIL DISTRIBUTOR BRACKET |
| 10 | PSB10120010 | PIPE JOINT |
| 11 | PSB10120011 | NYLON TUBE |
| 12 | PSB10120012 | HEADSTOCK CONTROL PLATE |
| 13 | PRIV001M | STEEL FLUTED RIVET 2 X 5MM |

# Headstock Controls

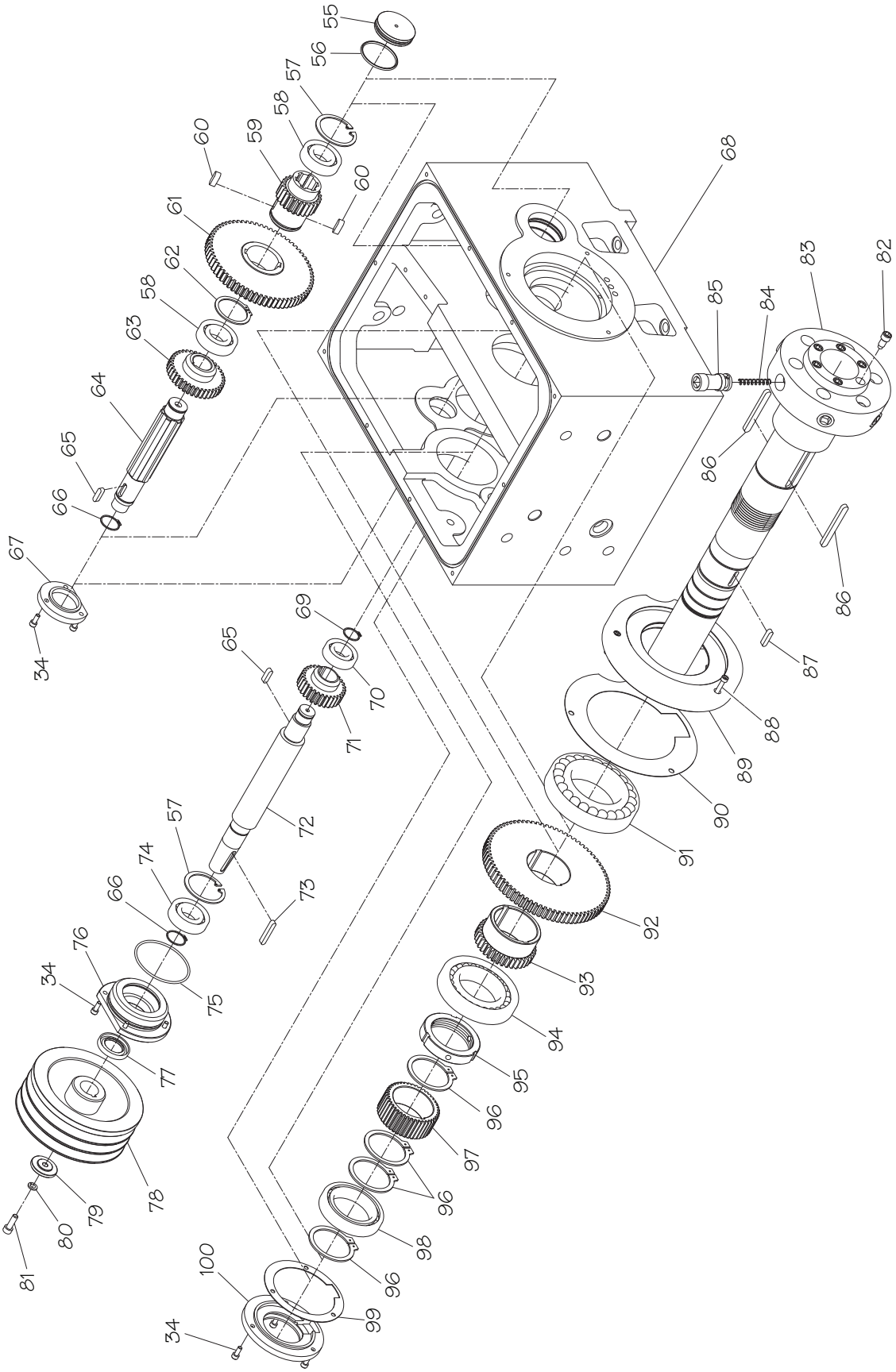


# Headstock Controls Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 14 | PSS30M | SET SCREW M10-1.5 X 10 |
| 15 | PSB10120015 | THREADED PLUG M10-1.5 |
| 16 | PSB10120016 | COMPRESSION SPRING M8 X 37 |
| 17 | PSTB001M | STEEL BALL 8.5MM |
| 18 | PSB10120018 | HEADSTOCK CASTING PLUG 20MM |
| 19 | PORP014 | O-RING 13.8 X 2.4 P14 |
| 20 | PSB10120020 | HEADSTOCK CASTING PLUG 18MM |
| 21 | PORP021 | O-RING 20.8 X 2.4 P21 |
| 22 | PSB10120022 | SHIFT CAM |
| 23 | PR03M | EXT RETAINING RING 12MM |
| 24 | PSB10120024 | SHIFT FORK |
| 25 | PRP31M | ROLL PIN 6 X 36 |
| 26 | PSB10120026 | SHIFT ROD |
| 27 | PRP32M | ROLL PIN 6 X 40 |
| 28 | PSB10120028 | SHIFT CAM |
| 29 | PK01M | KEY 5 X 5 X 22 |
| 30 | PRP16M | ROLL PIN 3 X 25 |
| 31 | PSB10120031 | LONG SHIFT HANDLE |
| 32 | PSB10120032 | SHIFT HANDLE HUB |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 33 | PSB10120033 | HANDLE WASHER 6MM |
| 34 | PCAP01M | CAP SCREW M6-1 X 16 |
| 35 | PSB10120035 | SHIFT FORK |
| 36 | PSB10120036 | SHIFT FORK |
| 37 | PR05M | EXT RETAINING RING 15MM |
| 38 | PSB10120038 | SHIFT CAM |
| 39 | PEC015M | E-CLIP 8MM |
| 40 | PK12M | KEY 5 X 5 X 30 |
| 41 | PSB10120041 | SHIFT ROD |
| 42 | PK164M | KEY 5 X 5 X 17 |
| 43 | PSTB001 | STEEL BALL 1/4 |
| 44 | PSB10120044 | SHIFT HANDLE HUB |
| 45 | PSB10120045 | SHORT SHIFT HANDLE |
| 46 | PSB10120046 | COMPRESSION SPRING 6 X 27 |
| 47 | PSS20M | SET SCREW M8-1.25 X 8 |
| 48 | PSB10120048 | OIL SIGHT GLASS |
| 49 | PLW05M | LOCK WASHER 12MM |
| 50 | PCAP92M | CAP SCREW M12-1.75 X 40 |

# Headstock Upper Gearing

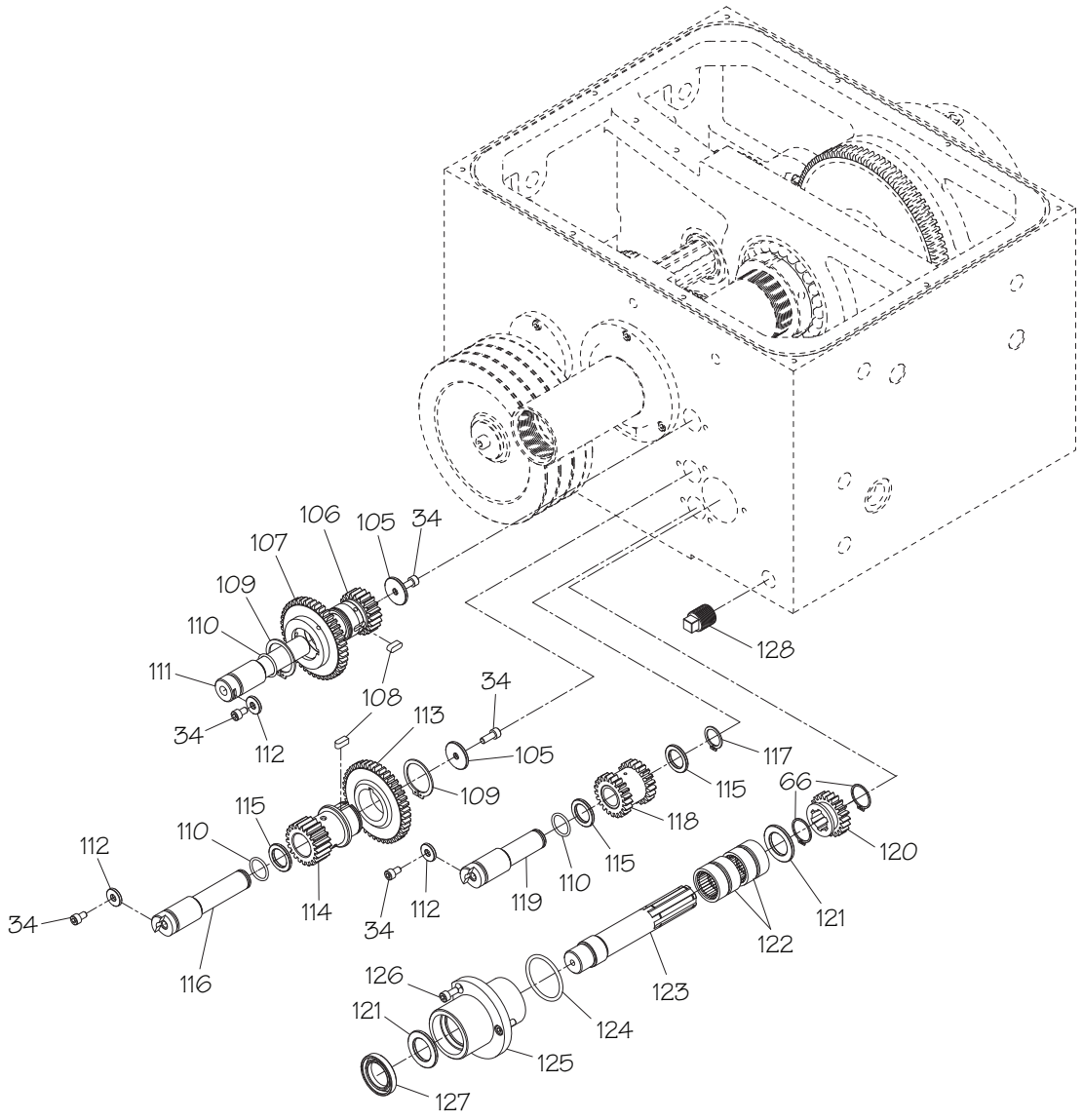


# Headstock Upper Gearing Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 34 | PCAP01M | CAP SCREW M6-1 X 16 |
| 55 | PSB10120055 | INBOARD DRIVE SHAFT END CAP |
| 56 | P0RG050 | O-RING 54.4 X 3.1 G50 |
| 57 | PR38M | INT RETAINING RING 62MM |
| 58 | P6206-0PEN | BALL BEARING 6206-0PEN |
| 59 | PSB10120059 | GEAR 24T |
| 60 | PK161M | KEY 10 X 8 X 25 |
| 61 | PSB10120061 | GEAR 67T |
| 62 | PR76M | EXT RETAINING RING 52MM |
| 63 | PSB10120063 | GEAR 38T |
| 64 | PSB10120064 | DRIVE SHAFT |
| 65 | PK27M | KEY 7 X 7 X 25 |
| 66 | PR15M | EXT RETAINING RING 30MM |
| 67 | PSB10120067 | OUTBOARD DRIVE SHAFT END CAP |
| 68 | PSB10140068 | HEADSTOCK CASTING |
| 69 | PR11M | EXT RETAINING RING 25MM |
| 70 | P6205-0PEN | BALL BEARING 6205-0PEN |
| 71 | PSB10120071 | GEAR 30T |
| 72 | PSB10120072 | INPUT SHAFT |
| 73 | PK62M | KEY 7 X 7 X 45 |
| 74 | P6206RS | BALL BEARING 6206RS |
| 75 | P0RG085 | O-RING 84.4 X 3.1 G85 |
| 76 | PSB10120076 | FLANGED BEARING END CAP |
| 77 | PSB10120077 | OIL SEAL |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 78 | PSB10120078 | SPINDLE PULLEY |
| 79 | PSB10120079 | PULLEY WASHER 8MM |
| 80 | PLW04M | LOCK WASHER 8MM |
| 81 | PCAP31M | CAP SCREW M8-1.25 X 25 |
| 82 | PSB10120082 | SPINDLE BOLT |
| 83 | PSB10120083 | SPINDLE |
| 84 | PSB10120084 | CAM LOCK SPRING |
| 85 | PSB10120085 | CAM LOCK |
| 86 | PK162M | KEY 10 X 6 X 85 |
| 87 | PK28M | KEY 7 X 7 X 30 |
| 88 | PCAP48M | CAP SCREW M6-1 X 35 |
| 89 | PSB10120089 | FRONT SPINDLE BEARING COVER |
| 90 | PSB10120090 | BEARING COVER GASKET |
| 91 | PSB10120091 | TAPERED ROLLER BEARING 32019 NTN |
| 92 | PSB10120092 | GEAR 79T |
| 93 | PSB10120093 | GEAR 36T |
| 94 | PSB10120094 | TAPERED ROLLER BEARING 30214A NTN |
| 95 | PSB10120095 | SPANNER NUT |
| 96 | PR13M | EXT RETAINING RING 65MM |
| 97 | PSB10120097 | GEAR 42T |
| 98 | P6013 | BALL BEARING 6013-0PEN |
| 99 | PSB10120099 | END CAP GASKET |
| 100 | PSB10120100 | OUTBOARD SPINDLE END CAP |

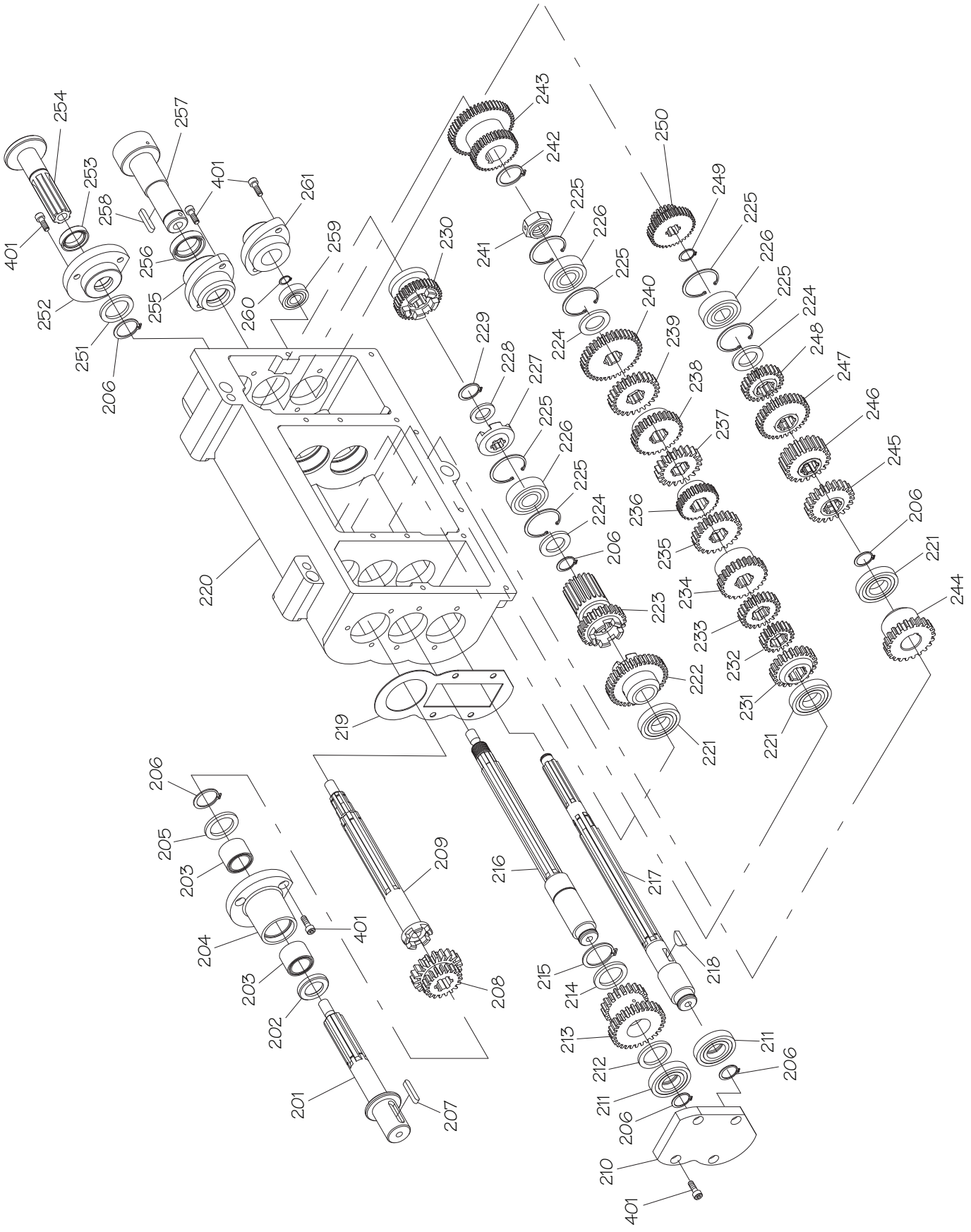
# Headstock Transfer Gearing




| REF | PART # | DESCRIPTION |
|---|---|---|
| 34 | PCAP01M | CAP SCREW M6-1 X 16 |
| 66 | PR15M | EXT RETAINING RING 30MM |
| 105 | PSB10120105 | GEAR FENDER WASHER 6MM |
| 106 | PSB10120106 | GEAR 21T |
| 107 | PSB10120107 | GEAR 42T |
| 108 | PK99M | KEY 6 X 6 X 15 |
| 109 | PR12M | EXT RETAINING RING 35MM |
| 110 | PORP021 | O-RING 20.8 X 2.4 P21 |
| 111 | PSB10120111 | GEAR SHAFT |
| 112 | PSB10120112 | GEAR SHAFT WASHER 6MM |
| 113 | PSB10120113 | GEAR 42T |
| 114 | PSB10120114 | GEAR SLEEVE 21T |
| 115 | PSB10120115 | O-RING SPACER |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 116 | PSB10120116 | GEAR SHAFT |
| 117 | PR09M | EXT RETAINING RING 20MM |
| 118 | PSB10120118 | DOUBLED ENDED GEAR 12T/21T |
| 119 | PSB10120119 | GEAR SHAFT |
| 120 | PSB10120120 | GEAR 21T |
| 121 | PSB10120121 | SPLINE SHAFT SPACER |
| 122 | PSB10120122 | NEEDLE BEARING RNA-6904 |
| 123 | PSB10120123 | SPLINE SHAFT |
| 124 | PORP044 | O-RING 43.7 X 3.5 P44 |
| 125 | PSB10120125 | FLANGED BEARING END CAP |
| 126 | PCAP26M | CAP SCREW M6-1 X 12 |
| 127 | PSB10120127 | OIL SEAL 28 X 44 X 7 |
| 128 | PSB10120128 | SQUARE HEAD DRAIN PLUG 1/2 PT |

# Gearbox Gearing

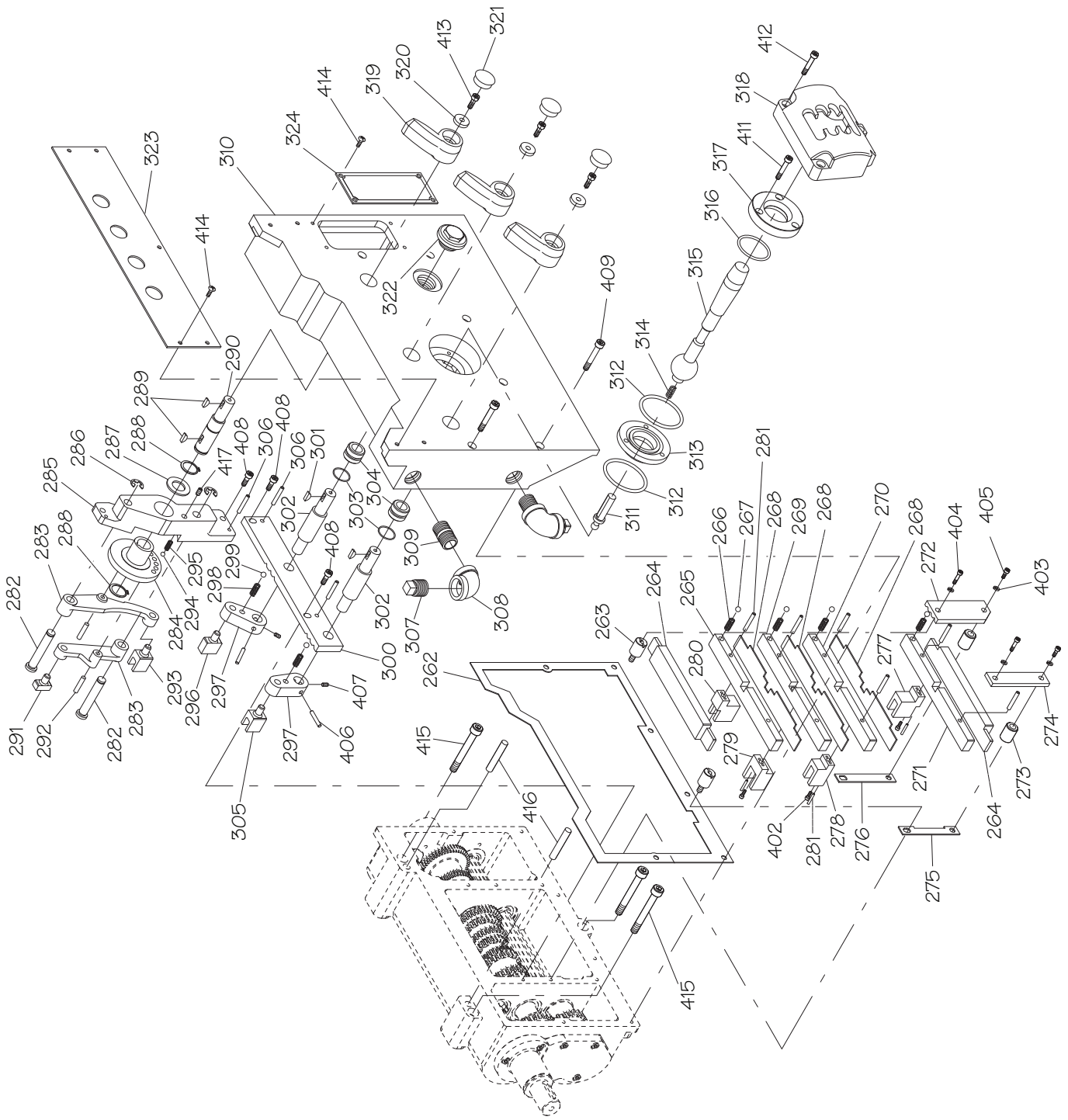


# Gearbox Gearing Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 201 | PSB10120201 | SPLINE SHAFT |
| 202 | PSB10120202 | OIL SEAL 20 X 32 X 5 |
| 203 | PSB10120203 | SLEEVE BEARING TAF202820 |
| 204 | PSB10120204 | SLEEVE BEARING HOUSING |
| 205 | PSB10120205 | SLEEVE BEARING SPACER |
| 206 | PR09M | EXT RETAINING RING 20MM |
| 207 | PK109M | KEY 7 X 7 X 35 |
| 208 | PSB10120208 | DOUBLE GEAR 19/20T |
| 209 | PSB10120209 | SPLINE SHAFT |
| 210 | PSB10120210 | SPLINE SHAFT END CAP |
| 211 | PSB10120211 | BALL BEARING 16004 |
| 212 | PSB10120212 | BEARING SPACER |
| 213 | PSB10120213 | DOUBLE-ENDED GEAR 19T/30T |
| 214 | PSB10120214 | GEAR SPACER |
| 215 | PR11M | EXT RETAINING RING 25MM |
| 216 | PSB10120216 | SPLINE SHAFT |
| 217 | PSB10120217 | SPLINE SHAFT |
| 218 | PSB10120218 | WOODRUFF KEY 5 X 19 |
| 219 | PSB10120219 | END CAP GASKET |
| 220 | PSB10120220 | GEARBOX CASTING |
| 221 | PSB10120211 | BALL BEARING 16004 |
| 222 | PSB10120222 | CLUTCH GEAR 38T |
| 223 | PSB10120223 | DOUBLE ENDED CLUTCH GEAR 23T/19T |
| 224 | PSB10120224 | SPACER |
| 225 | PR23M | INT RETAINING RING 40MM |
| 226 | P6203-OPEN | BALL BEARING 6203-OPEN |
| 227 | PSB10120227 | CLUTCH RING |
| 228 | PSB10120228 | CLUTCH SPACER |
| 229 | PR06M | EXT RETAINING RING 16MM |
| 230 | PSB10120230 | CLUTCH GEAR 35T |
| 231 | PSB10120231 | GEAR 22T |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 232 | PSB10120232 | GEAR 19T |
| 233 | PSB10120233 | GEAR 20T |
| 234 | PSB10120234 | GEAR 24T |
| 235 | PSB10120235 | GEAR 23T |
| 236 | PSB10120236 | GEAR 27T |
| 237 | PSB10120237 | GEAR 24T |
| 238 | PSB10120238 | GEAR 28T |
| 239 | PSB10120239 | GEAR 26T |
| 240 | PSB10120240 | GEAR 38T |
| 241 | PSB10120241 | GEAR RETAINING NUT |
| 242 | PR10M | EXT RETAINING RING 22MM |
| 243 | PSB10120243 | DOUBLE ENDED GEAR 36T/50T |
| 244 | PSB10120244 | GEAR 22T |
| 245 | PSB10120245 | GEAR 22T |
| 246 | PSB10120246 | GEAR 22T |
| 247 | PSB10120247 | GEAR 33T |
| 248 | PSB10120248 | GEAR 22T |
| 249 | PR18M | EXT RETAINING RING 17MM |
| 250 | PSB10120250 | DOUBLE GEAR 20T/36T |
| 251 | PSB10120251 | END CAP SPACER |
| 252 | PSB10120252 | SPLINE SHAFT END CAP |
| 253 | PSB10120202 | OIL SEAL 20 X 32 X 5 |
| 254 | PSB10120254 | SPLINE SHAFT |
| 255 | PSB10120255 | FLANGED SLEEVE BEARING |
| 256 | PSB10120256 | OIL SEAL 24 X 35 X 8 |
| 257 | PSB10120257 | GEAR SHAFT |
| 258 | PK15M | KEY 5 X 5 X 35 |
| 259 | P6001-OPEN | BALL BEARING 6001-OPEN |
| 260 | PR03M | EXT RETAINING RING 12MM |
| 261 | PSB10120261 | FLANGED SLEEVE BEARING |
| 401 | PCAP26M | CAP SCREW M6-1 X 12 |

# Gearbox Controls

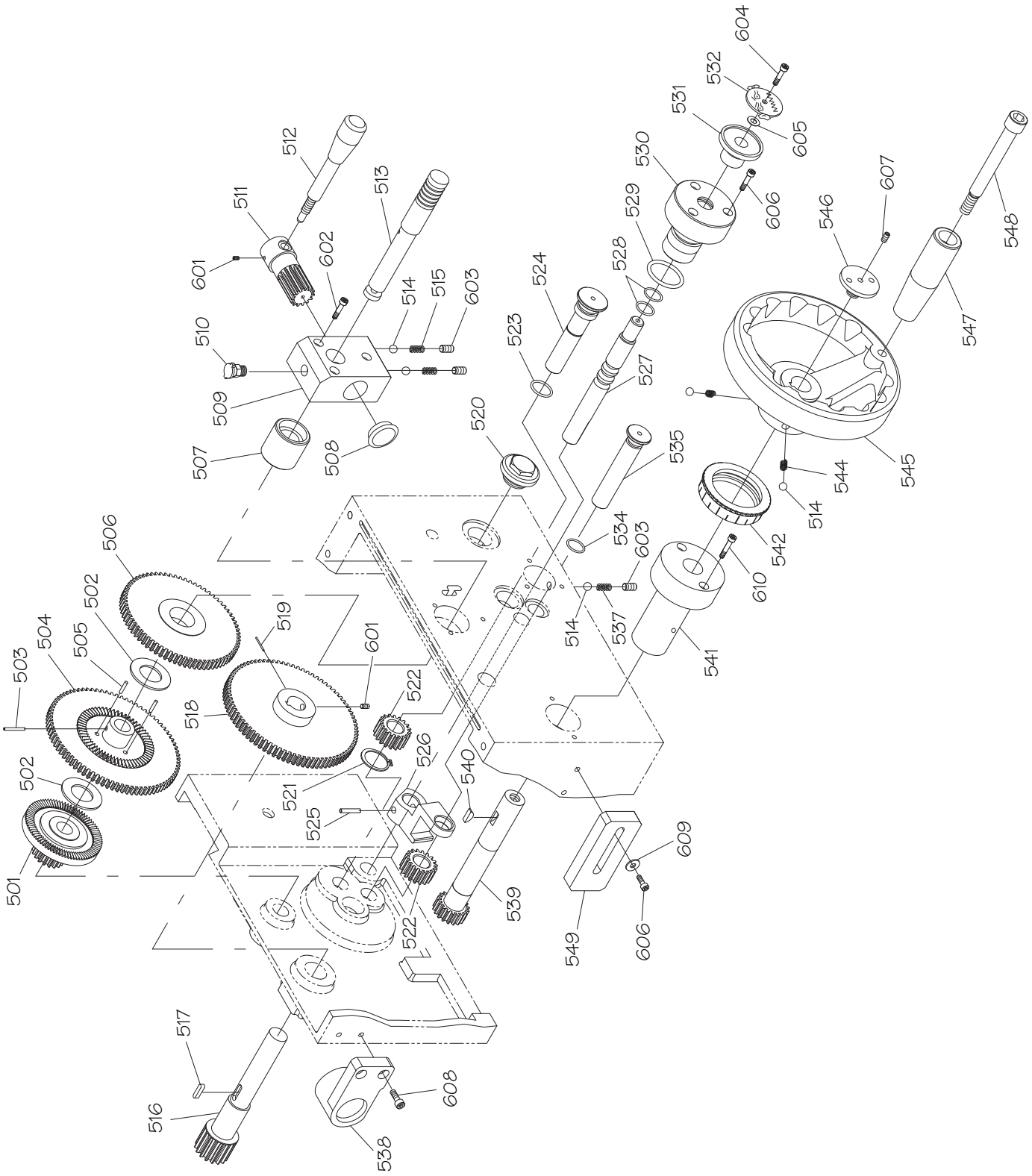


# Gearbox Controls Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 262 | PSB10120262 | GEARBOX COVER GASKET |
| 263 | PSB10120263 | PARTITION NUT |
| 264 | PSB10120264 | UPPER PLATE |
| 265 | PSB10120265 | UPPER FORK SUPPORT |
| 266 | PSB10120266 | COMPRESSION SPRING 4 X 19 |
| 267 | PSTB001 | STEEL BALL 1/4 |
| 268 | PSB10120268 | PARTITION |
| 269 | PSB10120269 | MIDDLE FORK SUPPORT |
| 270 | PSB10120270 | LOWER FORK SUPPORT |
| 271 | PSB10120271 | BOTTOM FORK SUPPORT |
| 272 | PSB10120272 | REVERSE STOP PLATE |
| 273 | PSB10120273 | PARTITION SPACER |
| 274 | PSB10120274 | SHOULDER PLATE |
| 275 | PSB10120275 | LEFT CONNECTOR PLATE |
| 276 | PSB10120276 | RIGHT CONNECTOR PLATE |
| 277 | PSB10120277 | BOTTOM FORK |
| 278 | PSB10120278 | LOWER FORK |
| 279 | PSB10120279 | MIDDLE FORK |
| 280 | PSB10120277 | UPPER FORK |
| 281 | PRP02M | ROLL PIN 3 X 16 |
| 282 | PSB10120282 | CONNECTOR PIN |
| 283 | PSB10120283 | PIVOT ARM |
| 284 | PSB10120284 | CAM |
| 285 | PSB10120285 | SHIFT BRACKET |
| 286 | PEC015M | E-CLIP 8MM |
| 287 | PSB10120287 | BRACKET SPACER |
| 288 | PR18M | EXT RETAINING RING 17MM |
| 289 | PSB10120289 | WOODRUFF KEY 4 X 13 |
| 290 | PSB10120290 | SHIFT ROD |
| 291 | PSB10120291 | STOP BLOCK |
| 292 | PSB10120292 | DOWEL PIN 5 X 24MM |
| 293 | PSB10120293 | RIGHT SHIFT FORK |
| 294 | PSTB001 | STEEL BALL 1/4 |
| 295 | PSB10120295 | COMPRESSION SPRING 6.25 X 18 |
| 296 | PSB10120296 | STOP BLOCK |
| 297 | PSB10120297 | SHIFT ROCKER ARM |
| 298 | PSB10120298 | COMPRESSION SPRING 6 X 13 |
| 299 | PSTB001 | STEEL BALL 1/4 |
| 300 | PSB10120300 | SHIFT SHAFT SUPPORT BAR |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 301 | PSB10120289 | WOODRUFF KEY 4 X 13 |
| 302 | PSB10120302 | SHIFT SHAFT |
| 303 | PORP018 | O-RING 17.8 X 2.4 P18 |
| 304 | PSB10120304 | SHIFT SHAFT SLEEVE |
| 305 | PSB10120305 | SHIFT FORK |
| 306 | PRP24M | ROLL PIN 5 X 16 |
| 307 | PSB10120128 | SQUARE HEAD PIPE PLUG 1/2 PT |
| 308 | PSB10120308 | PIPE ELBOW 90 DEG 1/2 X 1/2 PT |
| 309 | PSB10120309 | PIPE NIPPLE 1/2 X 1/2 PT X 1" |
| 310 | PSB10120310 | GEARBOX COVER |
| 311 | PSB10120311 | SELECTOR ROD |
| 312 | PORG040 | O-RING 39.4 X 3.1 G40 |
| 313 | PSB10120313 | SELECTOR LEVER SUPPORT |
| 314 | PSB10120314 | COMPRESSION SPRING 9 X 38 |
| 315 | PSB10120315 | SELECTOR LEVER |
| 316 | PORG030 | O-RING 3.1 X 29.4 G30 |
| 317 | PSB10120317 | SELECTOR LEVER END CAP |
| 318 | PSB10120318 | SELECTOR PLATE |
| 319 | PSB10120319 | SHIFTING HANDLE |
| 320 | PSB10120015 | HANDLE WASHER 5MM |
| 321 | PSB10120321 | HANDLE CAP |
| 322 | PSB10120322 | OIL SIGHT GLASS |
| 323 | PSB10120323 | CONTROL PANEL |
| 324 | PSB10120324 | FEED CLUTCH COVER |
| 402 | PCAP15M | CAP SCREW M5-.8 X 20 |
| 403 | PLW03M | LOCK WASHER 6MM |
| 404 | PCAP26M | CAP SCREW M6-1 X 12 |
| 405 | PCAP48M | CAP SCREW M6-1 X 35 |
| 406 | PRP04M | ROLL PIN 4 X 24 |
| 407 | PSS03M | SET SCREW M6-1 X 8 |
| 408 | PCAP02M | CAP SCREW M6-1 X 20 |
| 409 | PCAP167M | CAP SCREW M6-1 X 70 |
| 411 | PCAP38M | CAP SCREW M5-.8 X 25 |
| 412 | PCAP26M | CAP SCREW M6-1 X 12 |
| 413 | PCAP33M | CAP SCREW M5-.8 X 12 |
| 414 | PS17M | PHLP HD SCR M4-.7 X 6 |
| 415 | PCAP66M | CAP SCREW M8-1.25 X 65 |
| 416 | PSB10120416 | TAPER PIN #3/#7 X 1/4" |
| 417 | PSB10120417 | SHIFT BRACKET SET SCREW |

# Apron - Front View

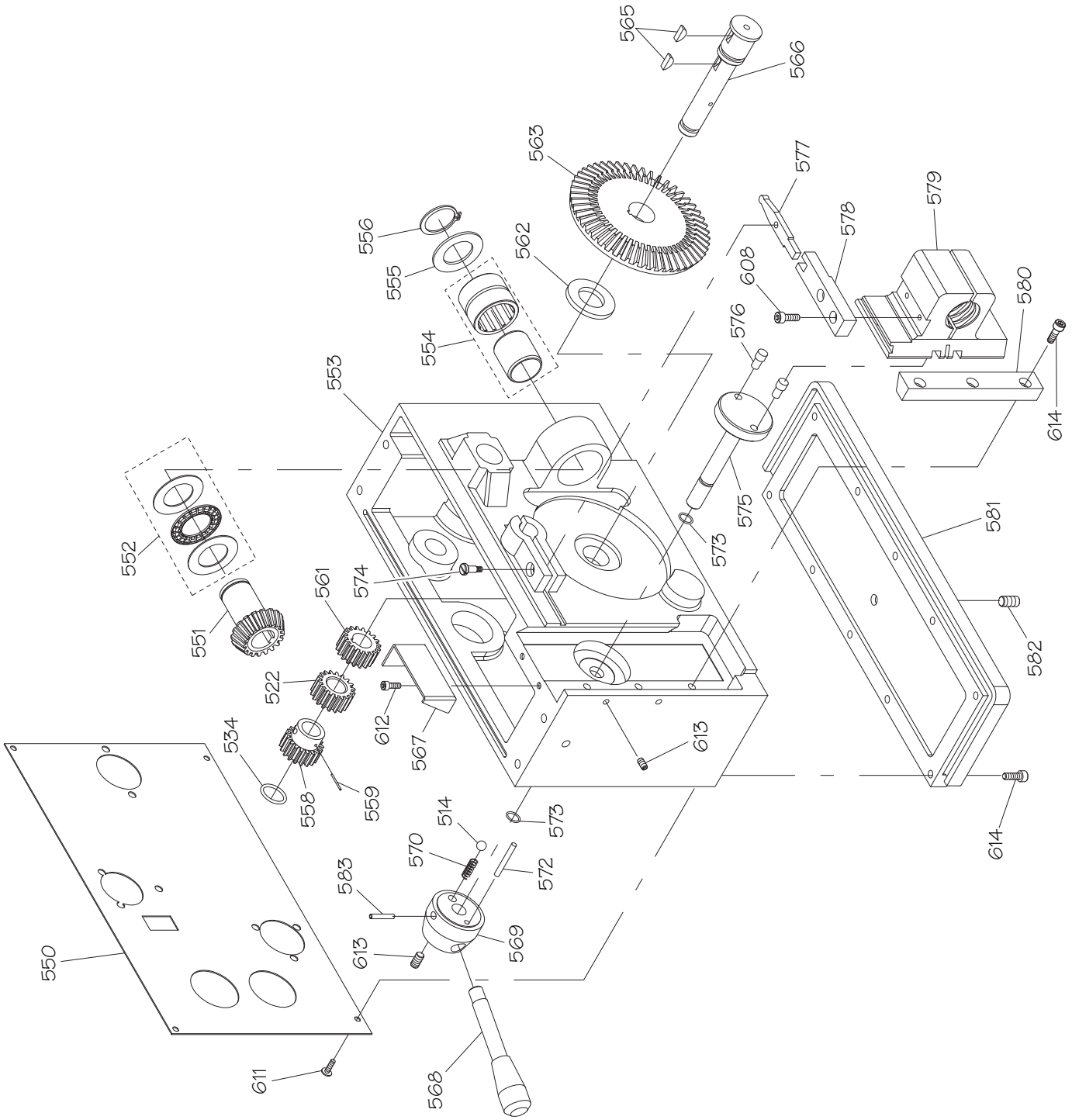


# Apron - Front View Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 501 | PSB10120501 | DOUBLE GEAR 18T/60T |
| 502 | PSB10120502 | GEAR SPACER |
| 503 | PRP20M | ROLL PIN 4 X 22 |
| 504 | PSB10120504 | DOUBLE GEAR 81T/60T |
| 505 | PSB10120505 | DOWEL PIN 4 X 17MM |
| 506 | PSB10120506 | DOUBLE GEAR 72T/60T |
| 507 | PSB10120507 | SLEEVE BEARING |
| 508 | PSB10120508 | BRACKET PLUG |
| 509 | PSB10120509 | FEED CONTROL BRACKET |
| 510 | PSB10120510 | OIL CUP |
| 511 | PSB10120511 | SPLINE SHAFT |
| 512 | PSB10120512 | FEED CONTROL HANDLE |
| 513 | PSB10120513 | FEED CONTROL WORM |
| 514 | PSTB001 | STEEL BALL 1/4 |
| 515 | PSB10120515 | COMPRESSION SPRING 6 X 16 |
| 516 | PSB10120516 | GEAR SHAFT |
| 517 | PK14M | KEY 5 X 5 X 18 |
| 518 | PSB10120518 | INCH GEAR 81T |
| 519 | PRP10M | ROLL PIN 5 X 36 |
| 520 | PSB10120520 | OIL SIGHT GLASS |
| 521 | PR06M | EXT RETAINING RING 16MM |
| 522 | PSB10120522 | GEAR 18T |
| 523 | PORP018 | O-RING 17.8 X 2.4 P18 |
| 524 | PSB10120524 | GEAR SHAFT |
| 525 | PRP04M | ROLL PIN 4 X 24 |
| 526 | PSB10120526 | FEED DIRECTION PIVOT ARM |
| 527 | PSB10120527 | FEED DIRECTION SHAFT |
| 528 | PORP016 | O-RING 15.8 X 2.4 P16 |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 529 | PORP026 | O-RING 25.7 X 3.5 P26 |
| 530 | PSB10120530 | FEED DIRECTION SHAFT SLEEVE |
| 531 | PSB10120531 | FEED DIRECTION KNOB |
| 532 | PSB10120532 | DIRECTION PLATE |
| 534 | PORP012 | O-RING 11.8 X 2.4 P12 |
| 535 | PSB10120535 | GEAR SHAFT |
| 537 | PSB10120266 | COMPRESSION SPRING 4 X 19 |
| 538 | PSB10120538 | SUPPORT BRACKET |
| 539 | PSB10120539 | GEAR SHAFT 18T |
| 540 | PSB10120218 | WOODRUFF KEY 5 X 19 |
| 541 | PSB10120541 | INCH GEAR SHAFT SLEEVE |
| 542 | PSB10120542 | INCH INDEX RING |
| 544 | PSB10120515 | COMPRESSION SPRING 6 X 16 |
| 545 | PSB10120545 | HANDWHEEL |
| 546 | PSB10120546 | HANDWHEEL WASHER 6MM |
| 547 | PSB10120547 | HANDWHEEL HANDLE |
| 548 | PSB10120548 | HANDLE CAP SCREW |
| 549 | PSB10120549 | SAFETY PLATE |
| 601 | PSS26M | SET SCREW M5-.8 X 6 |
| 602 | PCAP79M | CAP SCREW M5-.8 X 35 |
| 603 | PSS20M | SET SCREW M8-1.25 X 8 |
| 604 | PCAP33M | CAP SCREW M5-.8 X 12 |
| 605 | PW03M | FLAT WASHER 6MM |
| 606 | PCAP06M | CAP SCREW M6-1 X 25 |
| 607 | PSS12M | SET SCREW M6-1 X 25 |
| 608 | PCAP01M | CAP SCREW M6-1 X 16 |
| 609 | PW03M | FLAT WASHER 6MM |
| 610 | PCAP38M | CAP SCREW M5-.8 X 25 |

# Apron - Rear View

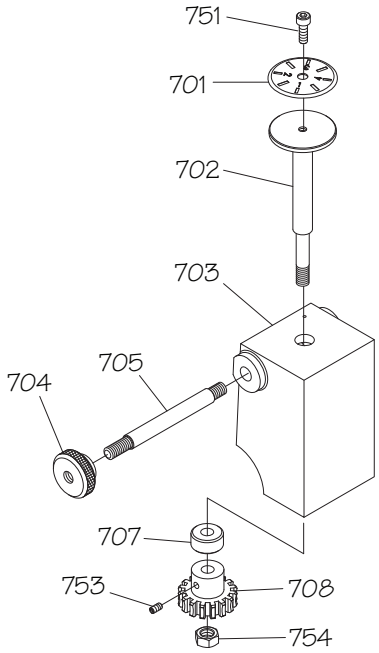


# Apron - Rear View Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 514 | PSTB001 | STEEL BALL 1/4 |
| 522 | PSB10120522 | GEAR 18T |
| 534 | PORP012 | O-RING 11.8 X 2.4 P12 |
| 550 | PSB10120550 | APRON FRONT PLATE |
| 551 | PSB10120551 | BEVEL GEAR 23T |
| 552 | PSB10120552 | THRUST BEARING NTB/AS-2542 |
| 553 | PSB10120553 | APRON CASTING |
| 554 | PSB10120554 | NEEDLE BEARING NK29/30 |
| 555 | PSB10120555 | BEARING SPACER |
| 556 | PR11M | EXT RETAINING RING 25MM |
| 558 | PSB10120558 | GEAR 18T |
| 559 | PRP88M | ROLL PIN 5 X 22 |
| 561 | PSB10120561 | GEAR 18T |
| 562 | PSB10120562 | GEAR SPACER |
| 563 | PSB10120563 | BEVEL GEAR 64T |
| 565 | PSB10120289 | WOODRUFF KEY 4 X 13 |
| 566 | PSB10120566 | HALF-NUT LEVER SHAFT |
| 567 | PSB10120567 | OIL FENCE |
| 568 | PSB10120568 | HALF-NUT LEVER |

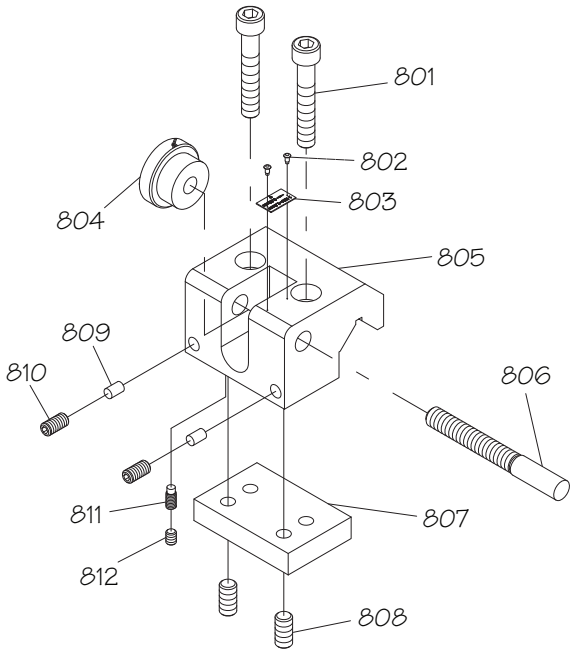
| REF | PART # | DESCRIPTION |
|---|---|---|
| 569 | PSB10120569 | HALF-NUT LEVER HUB |
| 570 | PSB10120046 | COMPRESSION SPRING 6 X 27 |
| 572 | PRP04M | ROLL PIN 4 X 24 |
| 573 | PORP020 | O-RING 19.8 X 2.4 P20 |
| 574 | PSB10120574 | CLAMP STEP SCREW |
| 575 | PSB10120575 | CAM SHAFT |
| 576 | PSB10120576 | STEP PIN |
| 577 | PSB10120577 | PIVOT LEVER |
| 578 | PSB10120578 | RETAINING BLOCK |
| 579 | PSB10120579 | INCH HALF-NUT |
| 580 | PSB10120580 | HALF-NUT GIB |
| 581 | PSB10120581 | APRON CASTING BOTTOM COVER |
| 582 | PSB10120582 | OIL DRAIN PLUG 1/8 PT |
| 583 | PRP102M | ROLL PIN 4 X 36 |
| 608 | PCAP01M | CAP SCREW M6-1 X 16 |
| 611 | PS17M | PHLP HD SCR M4-.7 X 6 |
| 612 | PCAP03M | CAP SCREW M5-.8 X 8 |
| 613 | PSS02M | SET SCREW M6-1 X 6 |
| 614 | PCAP24M | CAP SCREW M5-.8 X 16 |

# Dial Indicator



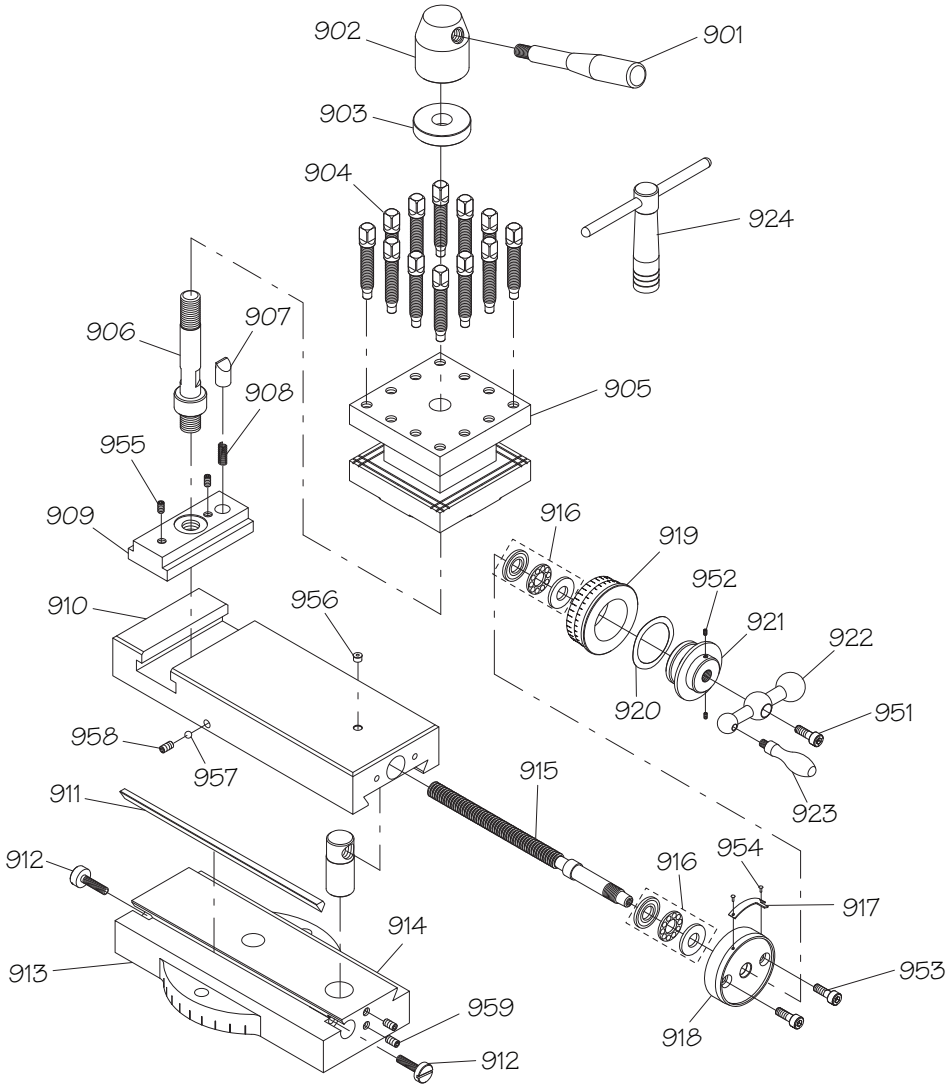

| REF | PART # | DESCRIPTION |
|---|---|---|
| 701 | PSB10120701 | DIAL INDICATOR INDEX PLATE |
| 702 | PSB10120702 | PIVOT SHAFT |
| 703 | PSB10120703 | DIAL INDICATOR CASTING |
| 704 | PSB10120704 | KNURLED KNOB |
| 705 | PSB10120705 | DOUBLE-THREADED STUD |
| 707 | PSB10120707 | GEAR SPACER |
| 708 | PSB10120708 | DIAL GEAR 16T |
| 751 | PCAP04M | CAP SCREW M6-1 X 10 |
| 753 | PSS02M | SET SCREW M6-1 X 6 |
| 754 | PN03M | HEX NUT M8-1.25 |

# Carriage Stop




| REF | PART # | DESCRIPTION |
|---|---|---|
| 801 | PCAP71M | CAP SCREW M10-1.5 X 60 |
| 802 | PRIV001M | STEEL FLUTED RIVET 2 X 5MM |
| 803 | PSB10120803 | INCH INDEX RING |
| 804 | PSB10120804 | INCH MICROMETER DIAL |
| 805 | PSB10120805 | CARRIAGE STOP BODY |
| 806 | PSB10120806 | INCH THREADED STOP ROD |
| 807 | PSB10120807 | CLAMP PLATE |
| 808 | PSS10M | SET SCREW M10-1.5 X 20 |
| 809 | PSB10120809 | COPPER PLUNGER |
| 810 | PSS06M | SET SCREW M8-1.25 X 16 |
| 811 | PSB10120811 | DOG END SET SCREW M6.1 X 12 |
| 812 | PSS14M | SET SCREW M8-1.25 X 12 |

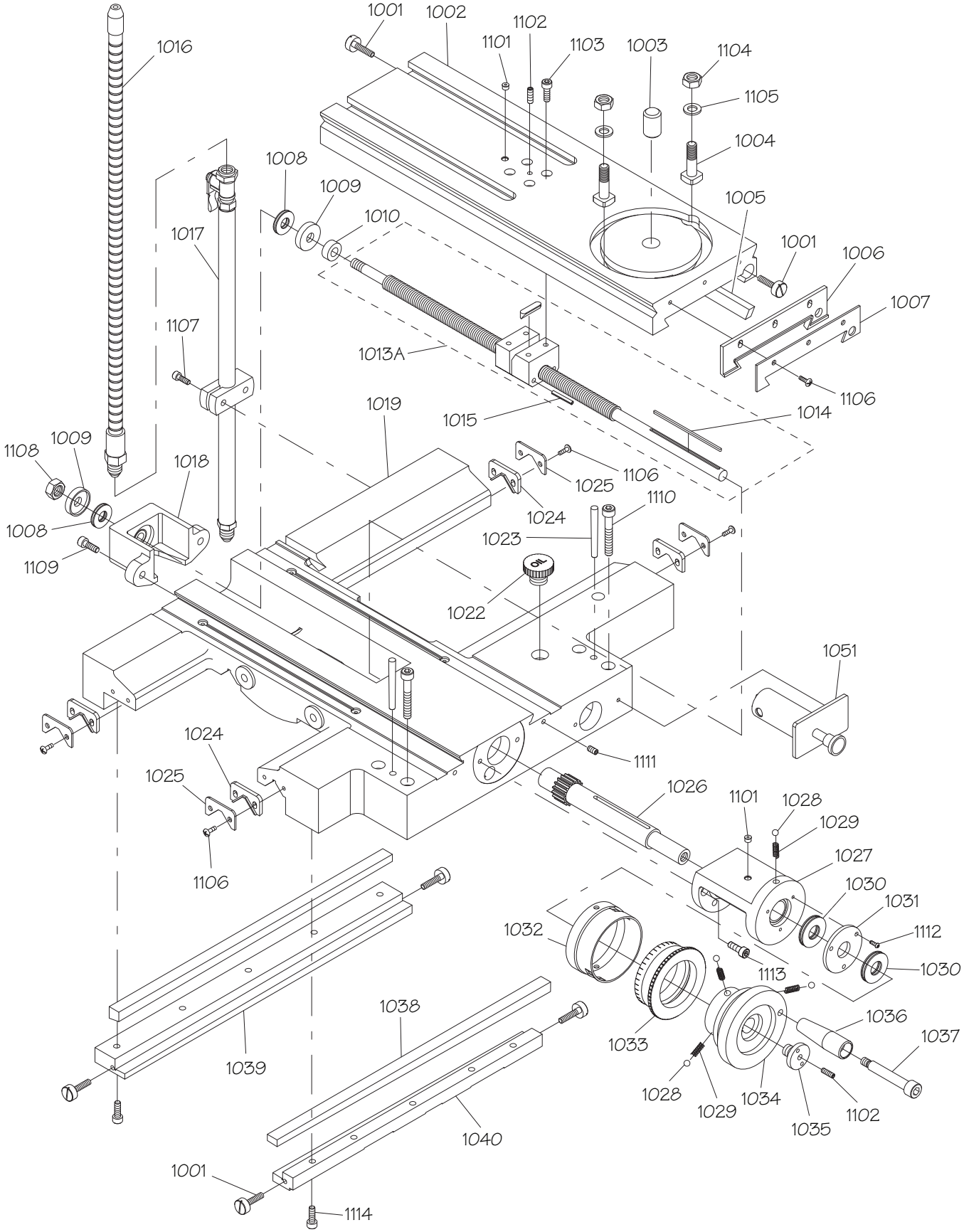
# Compound Slide & Tool Post




| REF | PART # | DESCRIPTION |
|---|---|---|
| 901 | PSB10120901 | TOOL POST HANDLE |
| 902 | PSB10120902 | TURRET NUT |
| 903 | PSB10120903 | TURRET NUT COLLAR |
| 904 | PSB10120904 | TOOL POST BOLT |
| 905 | PSB10120905 | TOOL POST BODY |
| 906 | PSB10120906 | TOOL POST STUD |
| 907 | PSB10120907 | BEVELED PLUNGER |
| 908 | PSB10120908 | COMPRESSION SPRING 6 X 27 |
| 909 | PSB10120909 | TOOL POST BASE |
| 910 | PSB10120910 | COMPOUND SLIDE |
| 911 | PSB10120911 | COMPOUND GIB |
| 912 | PSB10120912 | GIB ADJUSTMENT SCREW |
| 913 | PSB10120913 | COMPOUND SWIVEL BASE |
| 914 | PSB10120914 | CMOPOUND LEADSCREW NUT |
| 915 | PSB10120915 | COMPOUND LEADSCREW |
| 916 | P51101 | THRUST BEARING 51101 |
| 917 | PSB10120917 | INDEX PLATE |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 918 | PSB10120918 | LEADSCREW SUPPORT BRACKET |
| 919 | PSB10120919 | DUAL INDEX RING |
| 920 | PSB10120920 | WAVY WASHER 35 X 45 X 0.3 |
| 921 | PSB10120921 | LEADSCREW BEARING HOUSING |
| 922 | PSB10120922 | BALL HANDLE |
| 923 | PSB10120923 | HANDLE |
| 924 | PSB10120924 | TOOL POST BOLT KEY |
| 951 | PCAP01M | CAP SCREW M6-1 X 16 |
| 952 | PSS04M | SET SCREW M6-1 X 12 |
| 953 | PCAP26M | CAP SCREW M6-1 X 12 |
| 954 | PRIV001M | STEEL FLUTED RIVET 2 X 5MM |
| 955 | PSS14M | SET SCREW M8-1.25 X 12 |
| 956 | PLUBE001 | TAP-IN BALL OILER 1/4 |
| 957 | PSTB001 | STEEL BALL 1/4 |
| 958 | PSS14M | SET SCREW M8-1.25 X 12 |
| 959 | PSS03M | SET SCREW M6-1 X 8 |

# Saddle Body & Controls

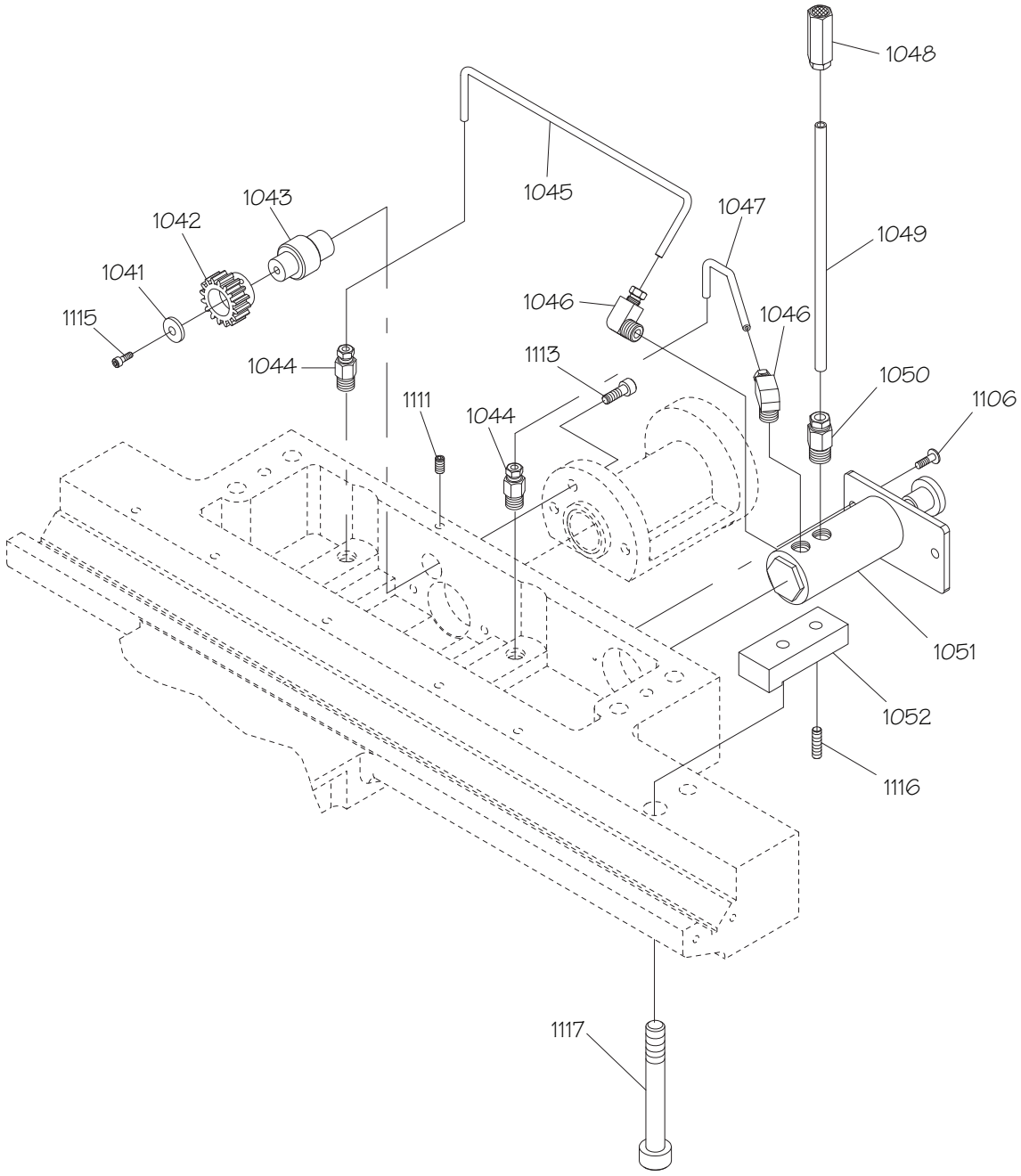


# Saddle Body & Controls Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1001 | PSB10121001 | CROSS GIB ADJUSTMENT SCREW |
| 1002 | PSB10121002 | CROSS SLIDE |
| 1003 | PSB10121003 | PIVOT STUD 18 X 28 |
| 1004 | PSB10121004 | COMPOUND T-BOLT |
| 1005 | PSB10121005 | CROSS SLIDE GIB |
| 1006 | PSB10121006 | CROSS WAY WIPER |
| 1007 | PSB10121007 | CROSS WAY WIPER PLATE |
| 1008 | PSB10121008 | THRUST BEARING NTB/AS2-1226 |
| 1009 | PSB10121009 | BEARING COLLAR |
| 1010 | PSB10121010 | LEADSCREW SLEEVE BEARING |
| 1013A | PSB10121013A | CROSS LEADSCREW W/NUT ASSY |
| 1014 | PK165M | KEY 3 X 3 X 100 |
| 1015 | PRP28M | ROLL PIN 5 X 40 |
| 1016 | PSB10121016 | COOLANT NOZZLE 3/8 PT X 24" |
| 1017 | PSB10121017 | COOLANT STAND PIPE/VALVE 3/8 PT |
| 1018 | PSB10121018 | CROSS LEADSCREW END BRACKET |
| 1019 | PSB10121019 | SADDLE |
| 1022 | PSB10121022 | SADDLE OIL FILL PLUG |
| 1023 | PSB10121023 | TAPER PIN #6 X #2 X 3/4" |
| 1024 | PSB10121024 | BEDWAY WIPER |
| 1025 | PSB10121025 | BEDWAY WIPER PLATE |
| 1026 | PSB10121026 | PINION 160DP 16T |
| 1027 | PSB10121027 | PINION BRACKET |
| 1028 | PSTB001 | STEEL BALL 1/4 |
| 1029 | PSB10121029 | COMPRESSION SPRING 6 X 15 |
| 1030 | PSB10121030 | THRUST BEARING NTB/AS2 1730 |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1031 | PSB10121031 | BEARING CAP 18 X 52 X 4 |
| 1032 | PSB10121032 | INDEX DIAL HOUSING |
| 1033 | PSB10121033 | DUAL INDEX RING |
| 1034 | PSB10121034 | CARRIAGE HANDWHEEL |
| 1035 | PSB10121035 | HANDWHEEL WASHER 6MM |
| 1036 | PSB10121036 | HANDWHEEL HANDLE |
| 1037 | PSB10121037 | HANDWHEEL HANDLE SCREW |
| 1038 | PSB10121038 | SADDLE GIB |
| 1039 | PSB10121039 | REAR GIB PRESSURE BAR |
| 1040 | PSB10121040 | FRONT GIB PRESSURE BAR |
| 1051 | PSB10121051 | SADDLE OIL PUMP ASSEMBLY |
| 1101 | PLUBE001 | TAP-IN BALL OILER 1/4 |
| 1102 | PSS28M | SET SCREW M6-1 X 30 |
| 1103 | PCAP07M | CAP SCREW M6-1 X 30 |
| 1104 | PN02M | HEX NUT M10-1.5 |
| 1105 | PW04M | FLAT WASHER 10MM |
| 1106 | PS08M | PHLP HD SCR M5-.8 X 12 |
| 1107 | PCAP06M | CAP SCREW M6-1 X 25 |
| 1108 | PN02M | HEX NUT M10-1.5 |
| 1109 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1110 | PCAP35M | CAP SCREW M8-1.25 X 60 |
| 1111 | PSS03M | SET SCREW M6-1 X 8 |
| 1112 | PCAP17M | CAP SCREW M4-.7 X 10 |
| 1113 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1114 | PCAP02M | CAP SCREW M6-1 X 20 |

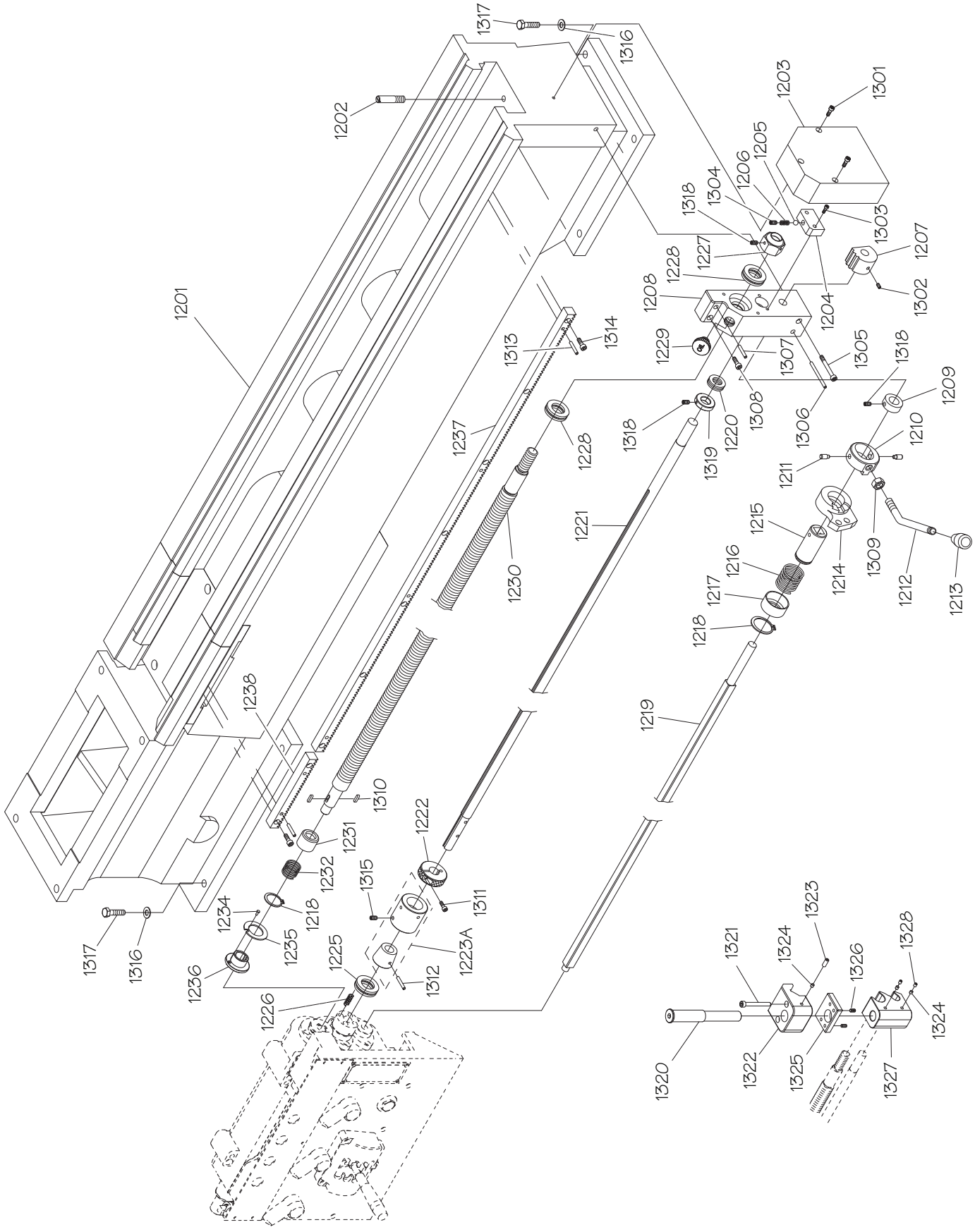
# Saddle Base




| REF | PART # | DESCRIPTION |
|---|---|---|
| 1041 | PSB10121041 | GEAR WASHER 5MM |
| 1042 | PSB10121042 | GEAR 16T |
| 1043 | PSB10121043 | GEAR SHAFT |
| 1044 | PSB10121044 | STRAIGHT PIPE ADAPTER 1/8 PT X 4MM |
| 1045 | PSB10121045 | ALUMINUM TUBE 4 X 260MM |
| 1046 | PSB10121046 | ELBOW ADAPTER 1/8 PT X 4MM |
| 1047 | PSB10121047 | ALUMINUM TUBE 4 X 120MM |
| 1048 | PSB10121048 | OIL FILTER 6MM |
| 1049 | PSB10121049 | ALUMINUM TUBE 6 X 160MM |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1050 | PSB10121050 | STRAIGHT PIPE ADAPTER 1/8 PT X 6MM |
| 1051 | PSB10121051 | SADDLE OIL PUMP ASSEMBLY |
| 1052 | PSB10121052 | SUPPORT BRACKET |
| 1106 | PS08M | PHLP HD SCR M5-.8 X 12 |
| 1111 | PSS03M | SET SCREW M6-1 X 8 |
| 1113 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1115 | PCAP24M | CAP SCREW M5-.8 X 16 |
| 1116 | PSS74M | SET SCREW M8-1.25 X 35 |
| 1117 | PCAP169M | CAP SCREW M12-1.75 X 75 |

# Bed & Shafts

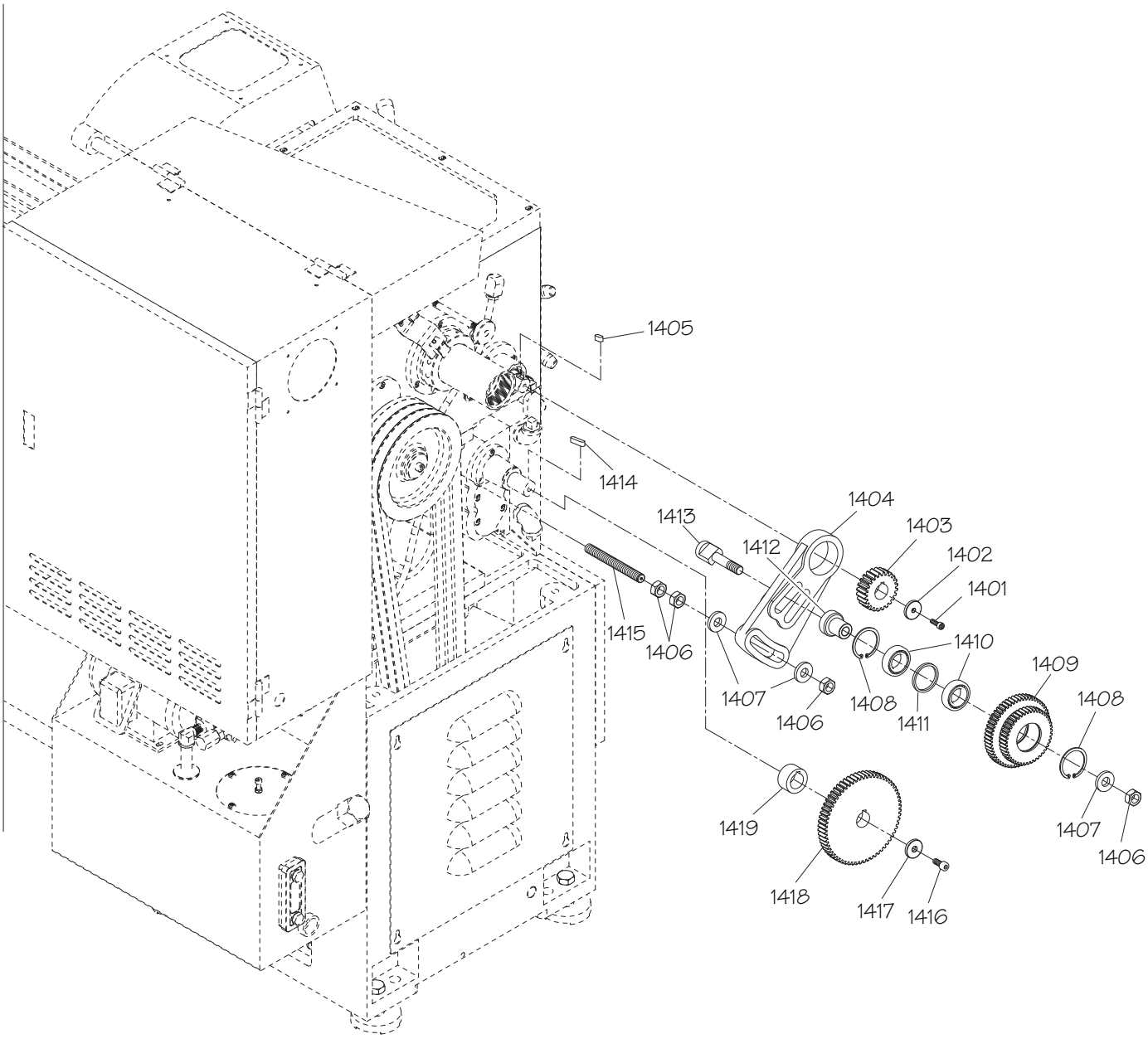

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# Bed & Shafts Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1201 | PSB10141201 | BED CASTING |
| 1202 | PSB10121202 | BED END STOP BOLT |
| 1203 | PSB10121203 | SHAFT END BRACKET COVER |
| 1204 | PSB10121204 | FEED ROD END BRACKET |
| 1205 | PSTB002 | STEEL BALL 5/16 |
| 1206 | PSB10121206 | COMPRESSION SPRING 8 X 27 |
| 1207 | PSB10121207 | SPINDLE ROD END BRACKET |
| 1208 | PSB10121208 | SHAFT END BRACKET |
| 1209 | PSB10121209 | LOCK COLLAR |
| 1210 | PSB10121210 | SPINDLE LEVER HUB |
| 1211 | PSB10121211 | STEP PIN |
| 1212 | PSB10121212 | SPINDLE ROD LEVER |
| 1213 | PSB10121213 | SPINDLE ROD LEVER KNOB |
| 1214 | PSB10121214 | SPINDLE LEVER HUB BRACKET |
| 1215 | PSB10121215 | SPINDLE ROD SLEEVE |
| 1216 | PSB10121216 | COMPRESSION SPRING 38 X 75 |
| 1217 | PSB10121217 | SPRING HOUSING |
| 1218 | PR37M | EXT RETAINING RING 32MM |
| 1219 | PSB10141219 | SPINDLE ROD |
| 1220 | PSB10121220 | THRUST BEARING NTB/AS2 1831 |
| 1221 | PSB10141221 | FEED ROD |
| 1222 | PSB10121222 | FEED ROD LOCK COLLAR |
| 1223A | PSB10121223A | CLUTCH COLLAR ASSEMBLY |
| 1225 | P51203 | THRUST BEARING 51203 |
| 1226 | PSB10121226 | COMPRESSION SPRING 9 X 32 |
| 1227 | PSB10121227 | LEADSCREW LOCK NUT |
| 1228 | P51105 | THRUST BEARING 51105 |
| 1229 | PSB10121229 | OIL FILL PLUG |
| 1230 | PSB10141230 | INCH LEADSCREW 4 TPI |
| 1231 | PSB10121231 | LEADSCREW SLEEVE BEARING |
| 1232 | PSB10121232 | COMPRESSION SPRING 27 X 55 |
| 1234 | PSB10121234 | LEADSCREW SHEAR PIN |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1235 | PSB10121235 | SHEAR PIN WASHER |
| 1236 | PSB10121236 | SHEAR PIN COLLAR |
| 1237 | PSB10141237 | LONGITUDINAL RACK |
| 1238 | PSB10141238 | GAP RACK |
| 1301 | PCAP83M | CAP SCREW M6-1 X 55 |
| 1302 | PSS11M | SET SCREW M6-1 X 16 |
| 1303 | PCAP06M | CAP SCREW M6-1 X 25 |
| 1304 | PSS30M | SET SCREW M10-1.5 X 10 |
| 1305 | PCAP128M | CAP SCREW M8-1.25 X 70 |
| 1306 | PSB10121306 | TAPER PIN #7 X #3 X 1/4" |
| 1307 | PSB10121307 | DOWEL PIN #2 X 2" |
| 1308 | PCAP40M | CAP SCREW M8-1.25 X 35 |
| 1309 | PN09M | HEX NUT M12-1.75 |
| 1310 | PK20M | KEY 5 X 5 X 15 |
| 1311 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1312 | PSB10121312 | DOWEL PIN 4 X 30MM |
| 1313 | PRP93M | ROLL PIN 6 X 25 |
| 1314 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1315 | PSS02M | SET SCREW M6-1 X 6 |
| 1316 | PW06M | FLAT WASHER 12MM |
| 1317 | PB24M | HEX BOLT M12-1.75 X 45 |
| 1318 | PSS03M | SET SCREW M6-1 X 8 |
| 1319 | PSB10121319 | FEED ROD LOCK COLLAR |
| 1320 | PSB10141320 | ADJUSTMENT STEP BOLT |
| 1321 | PCAP13M | CAP SCREW M8-1.25 X 30 |
| 1322 | PSB10141322 | TOP BEDWAY CLAMP |
| 1323 | PSS09M | SET SCREW M8-1.25 X 20 |
| 1324 | PSB10141324 | PLUNGER |
| 1325 | PSB10141325 | BOTTOM BEDWAY CLAMP |
| 1326 | PSS06M | SET SCREW M8-1.25 X 16 |
| 1327 | PSB10141327 | LEADSCREW STABILIZER BODY |
| 1328 | PSS20M | SET SCREW M8-1.25 X 8 |

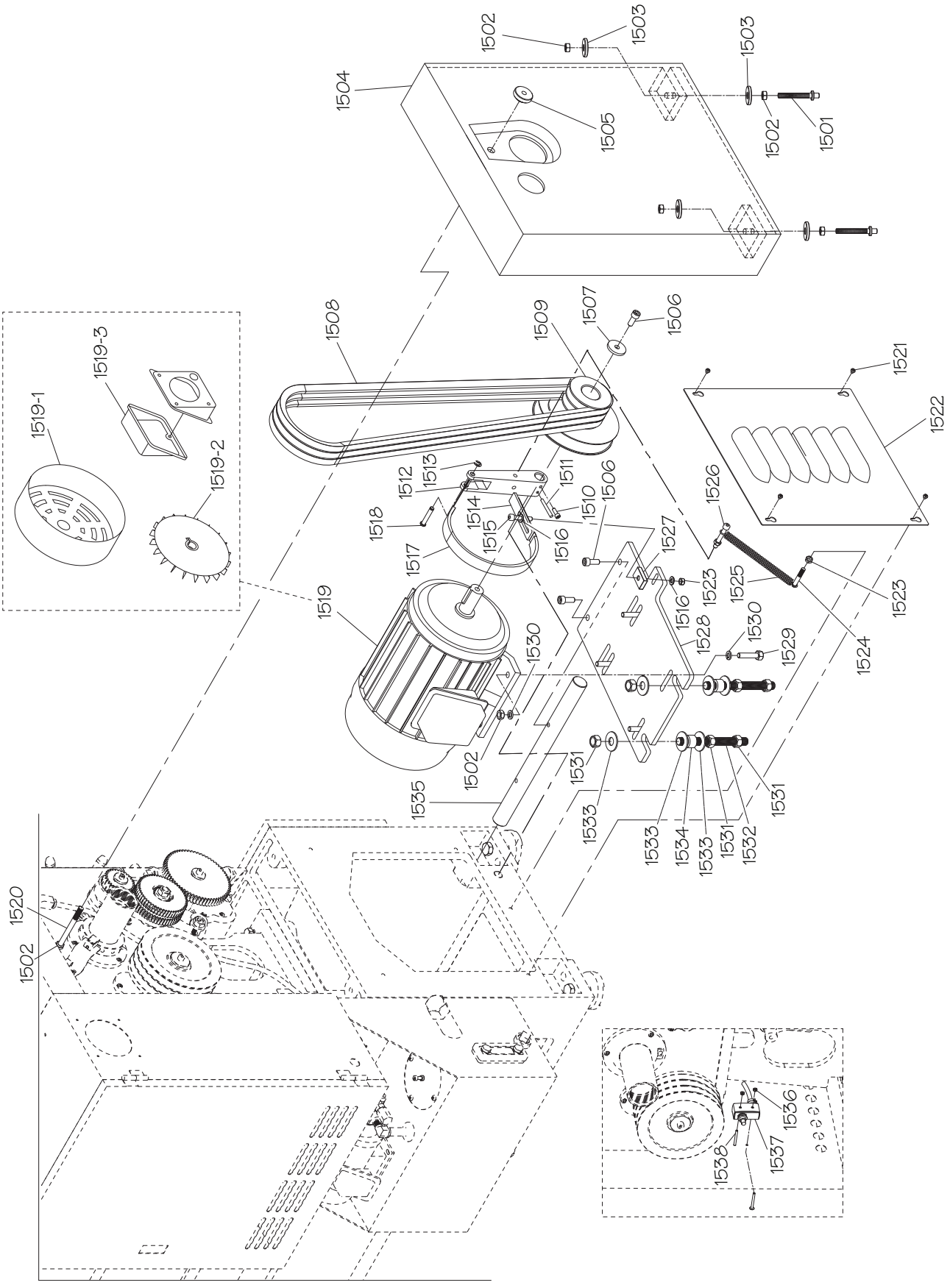
# End Gears




| REF | PART # | DESCRIPTION |
|---|---|---|
| 1401 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1402 | PSB10121402 | GEAR WASHER 6MM |
| 1403 | PSB10141403 | GEAR 24T |
| 1404 | PSB10141404 | PIVOT ARM |
| 1405 | PK166M | KEY 7 X 7 X 15 |
| 1406 | PN32M | HEX NUT M14-2 |
| 1407 | PSB10121407 | GEAR WASHER 14MM |
| 1408 | PR25M | INT RETAINING RING 47MM |
| 1409 | PSB10141409 | DOUBLE GEAR 44T/56T |
| 1410 | P6005ZZ | BALL BEARING 6005ZZ |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1411 | PSB10121411 | BEARING SPACER |
| 1412 | PSB10121412 | GEAR SHAFT BUSHING |
| 1413 | PSB10121413 | GEAR SHAFT |
| 1414 | PK28M | KEY 7 X 7 X 30 |
| 1415 | PSB10121415 | PIVOT ARM STUD |
| 1416 | PCAP14M | CAP SCREW M8-1.25 X 20 |
| 1417 | PSB10121417 | GEAR WASHER 8MM |
| 1418 | PSB10141418 | GEAR 57T |
| 1419 | PSB10121419 | GEAR BUSHING |

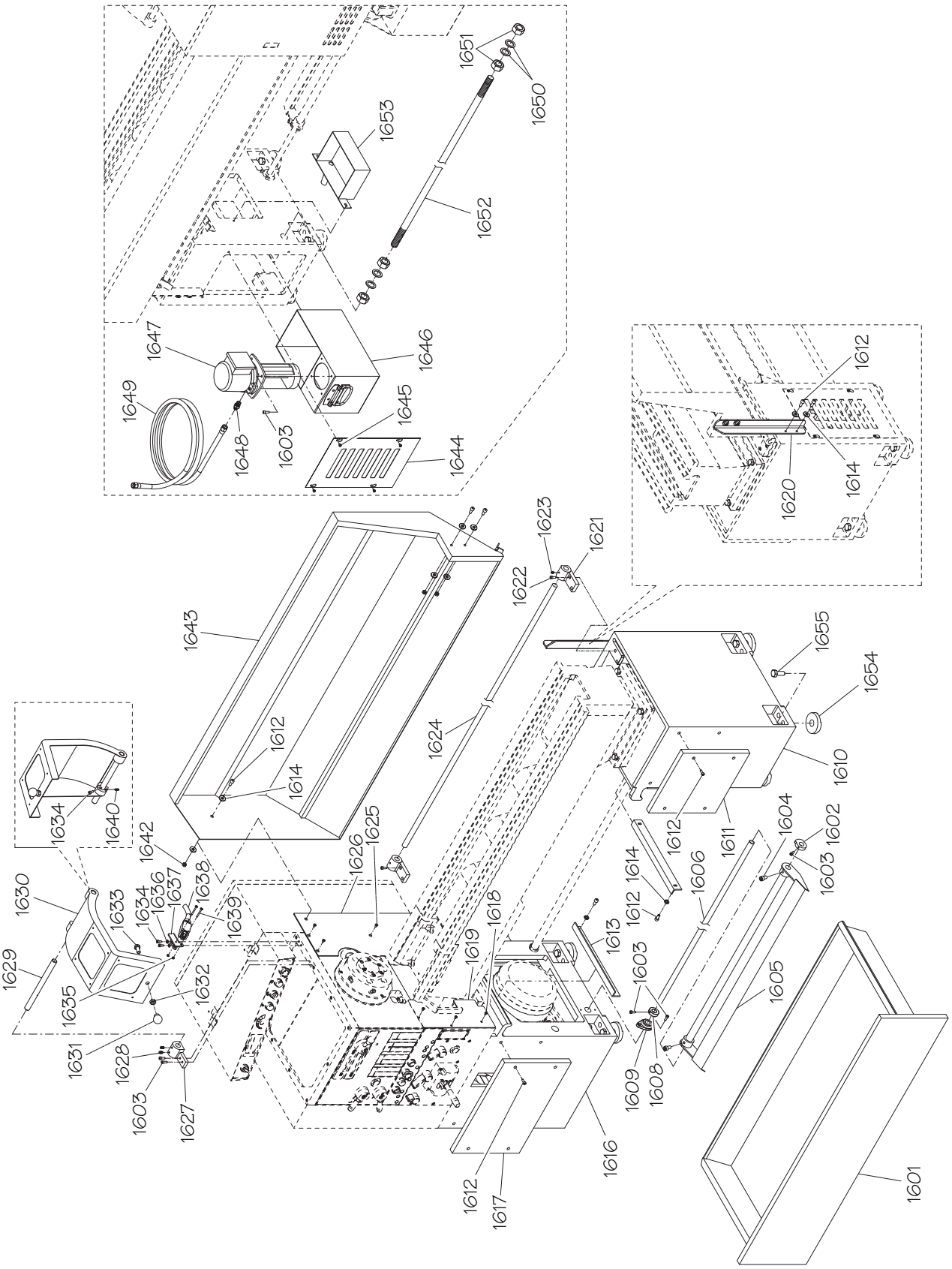
# Motor Assembly



# Motor Assembly Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1501 | PSB10121501 | SIDE COVER MOUNTING PIN |
| 1502 | PN02M | HEX NUT M10-1.5 |
| 1503 | PW04M | FLAT WASHER 10MM |
| 1504 | PSB10121504 | LEFT TOP SIDE COVER |
| 1505 | PSB10121505 | KNURLED SIDE COVER KNOB M10-1.5 |
| 1506 | PCAP64M | CAP SCREW M10-1.5 X 25 |
| 1507 | PSB10121507 | PULLEY WASHER 10 X 39 X 5MM |
| 1508 | PVB69 | V-BELT B69 |
| 1509 | PSB10121509 | MOTOR PULLEY |
| 1510 | PCAP01M | CAP SCREW M6-1 X 16 |
| 1511 | PSB10121511 | TAPER PIN #4 X #1 X 3/4" |
| 1512 | PSB10121512 | BRAKE BELT BRACKET |
| 1513 | PEC09M | E-CLIP 6MM |
| 1514 | PSB10121514 | BRAKE BELT ADJUSTMENT BAR |
| 1515 | PCAP45M | CAP SCREW M8-1.25 X 45 |
| 1516 | PW01M | FLAT WASHER 8MM |
| 1517 | PSB10121517 | BRAKE BELT |
| 1518 | PSB10121518 | CAPTIVE PIN |
| 1519 | PSB10141519 | MOTOR 7-1/2HP 220/440V 3PH 60HZ |
| 1519-1 | PSB10141519-1 | MOTOR FAN COVER |
| 1519-2 | PSB10141519-2 | MOTOR FAN |
| 1519-3 | PSB10141519-3 | MOTOR JUNCTION BOX |
| 1520 | PSB10121520 | SIDE COVER MOUNTING STUD |
| 1521 | PS68M | PHLP HD SCR M6-1 X 10 |
| 1522 | PSB10121522 | MOTOR COVER |
| 1523 | PN03M | HEX NUT M8-1.25 |
| 1524 | PSB10121524 | SPRING MOUNTING STUD |
| 1525 | PSB10121525 | BRAKE BELT EXTENSION SPRING |
| 1526 | PCAP60M | CAP SCREW M8-1.25 X 55 |
| 1527 | PSB10121527 | MOUNTING INSERT |
| 1528 | PSB10121528 | MOTOR MOUNTING 10T/395 X 300MM |
| 1529 | PB31M | HEX BOLT M10-1.5 X 40 |
| 1530 | PLW06M | LOCK WASHER 10MM |
| 1531 | PN13M | HEX NUT M16-2 |
| 1532 | PSB10121532 | ALL-THREAD STUD M16-2 X 170 |
| 1533 | PW08M | FLAT WASHER 16MM |
| 1534 | PSB10121534 | RUBBER CUSHION SLEEVE |
| 1535 | PSB10121535 | MOTOR SUPPORT SHAFT |
| 1536 | PN04M | HEX NUT M4-.7 |
| 1537 | PSB10121537 | SIDE COVER SAFETY SWITCH TM1307 |
| 1538 | PS65M | PHLP HD SCR M4-.7 X 40 |

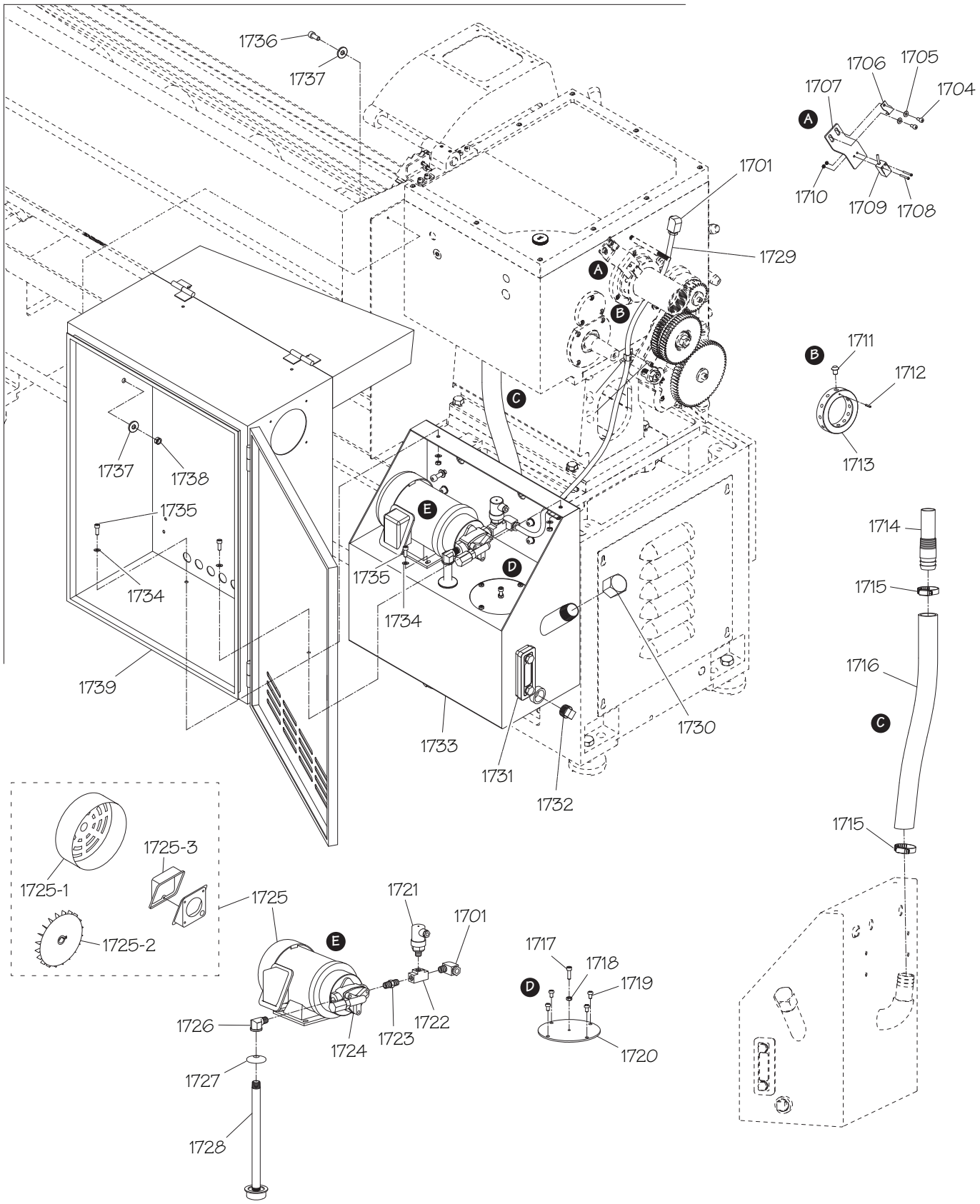
# Cabinets & Panels



# Cabinets & Panels Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1601 | PSB10141601 | CHIP TRAY |
| 1602 | PSB10121602 | BRAKE CAM |
| 1603 | PCAP01M | CAP SCREW M6-1 X 16 |
| 1604 | PB56M | CAP SCREW M10-1.5 X 20 |
| 1605 | PSB10141605 | BRAKE FOOT PEDAL |
| 1606 | PSB10141606 | BRAKE SHAFT |
| 1608 | PSB10121608 | LOCK COLLAR |
| 1609 | PSB10121609 | BRAKE SHAFT BRACKET |
| 1610 | PSB10121610 | RIGHT CABINET |
| 1611 | PSB10121611 | RIGHT FRONT CABINET COVER |
| 1612 | PCAP64M | CAP SCREW M10-1.5 X 25 |
| 1613 | PSB10121613 | CHIP TRAY L-BRACKET |
| 1614 | PW04M | FLAT WASHER 10MM |
| 1616 | PSB10121616 | LEFT CABINET |
| 1617 | PSB10121617 | LEFT FRONT CABINET COVER |
| 1618 | PS05M | PHLP HD SCR M5-.8 X 8 |
| 1619 | PSB10121619 | RIGHT GEARBOX COVER |
| 1620 | PSB10121620 | SPLASH PAN SUPPORT BRACKET |
| 1621 | PSB10121621 | SPLASH PAN ROD BRACKET |
| 1622 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1623 | PSS01M | SET SCREW M6-1 X 10 |
| 1624 | PSB10141624 | SPLASH PAN ROD |
| 1625 | PFH30M | FLAT HD SCR M5-.8 X 8 |
| 1626 | PSB10121626 | ELECTRICAL CABINET BACK PLATE |
| 1627 | PSB10121627 | CHUCK GUARD BRACKET |
| 1628 | PSS14M | SET SCREW M8-1.25 X 12 |
| 1629 | PSB10121629 | CHUCK GUARD ROD |
| 1630 | PSB10121630 | CHUCK GUARD |
| 1631 | PSB10121631 | KNOB 1/2-13 |
| 1632 | PN06 | HEX NUT 1/2-13 |
| 1633 | PB102 | HEX BOLT 1/2-13 X 3/4 |
| 1634 | PCAP26M | CAP SCREW M6-1 X 12 |
| 1635 | PN04M | HEX NUT M4-.7 |
| 1636 | PLW03M | LOCK WASHER 6MM |
| 1637 | PSB10121637 | SAFETY SWITCH BRACKET |
| 1638 | PSB10121638 | CHUCK GUARD SAFETY SWITCH |
| 1639 | PS65M | PHLP HD SCR M4-.7 X 40 |
| 1640 | PSS34M | SET SCREW M5-.8 X 16 |
| 1642 | PN03M | HEX NUT M8-1.25 |
| 1643 | PSB10141643 | SPLASH GUARD |
| 1644 | PSB10121644 | REAR CABINET COVER |
| 1645 | PS68M | PHLP HD SCR M6-1 X 10 |
| 1646 | PSB10121646 | COOLANT RESERVOIR |
| 1647 | PSB10121647 | COOLANT PUMP |
| 1648 | PSB10121648 | HOSE CONNECTOR 1/8 PT X 3/8 PH |
| 1649 | PSB10121649 | COOLANT HOSE CT801 3/8 X 78" |
| 1650 | PW17 | FLAT WASHER 1" |
| 1651 | PN43 | HEX NUT 1-12 |
| 1652 | PSB10141652 | CABINET SUPPORT ROD |
| 1653 | PSB10121653 | COOLANT RETURN CHUTE |
| 1654 | PSB10121654 | CAST IRON FOOT PAD |
| 1655 | PB80M | HEX BOLT M16-2 X 55 |

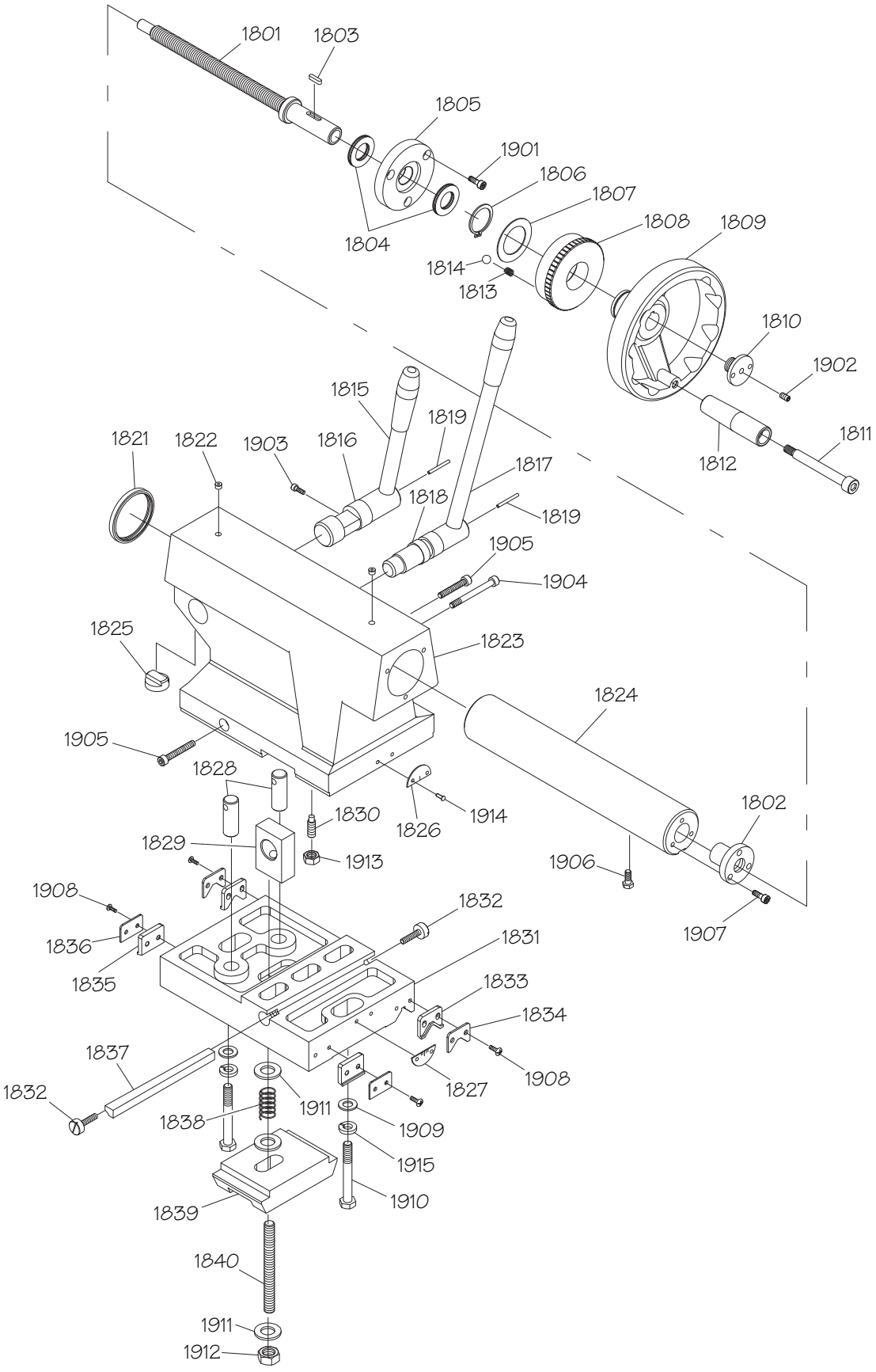
# Headstock Oiling System



# Headstock Oiling System Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1701 | PSB10121701 | ELBOW CONNECTOR |
| 1704 | PCAP50M | CAP SCREW M5-.8 X 10 |
| 1705 | PW02M | FLAT WASHER 5MM |
| 1706 | PSB10121706 | PIPE CLAMP 10MM |
| 1707 | PSB10121707 | SENSOR BRACKET |
| 1708 | PS34 | PHLP HD SCR M3-.5 X 25 |
| 1709 | PSB10121709 | SPINDLE SPEED SENSOR |
| 1710 | PN07M | HEX NUT M3-.5 |
| 1711 | PSB10121711 | MINOR TIP |
| 1712 | PRP02M | ROLL PIN 3 X 16 |
| 1713 | PSB10121713 | SPINDLE BALANCE RING |
| 1714 | PSB10121714 | HEADSTOCK OIL DRAIN SCREEN |
| 1715 | PSB10121715 | HOSE CLAMP 1-3/4" |
| 1716 | PSB10121716 | OIL RETURN HOSE 1-1/4 X 17" |
| 1717 | PCAP02M | CAP SCREW M6-1 X 20 |
| 1718 | PN01M | HEX NUT M6-1 |
| 1719 | PCAP04M | CAP SCREW M6-1 X 10 |
| 1720 | PSB10121720 | OIL RESERVOIR COVER 129.5MM |
| 1721 | PSB10121721 | OIL PRESSURE SWITCH |
| 1722 | PSB10121722 | PIPE T-JOINT 1/4 PT |
| 1723 | PSB10121723 | PIPE CONNECTOR 1/4 PT X 1/4 PT |
| 1724 | PSB10121724 | LUBRICATION PUMP |
| 1725 | PSB10121725 | LUBRICATION MOTOR 1/4HP 220V 3PH |
| 1725-1 | PSB10121725-1 | MOTOR FAN COVER |
| 1725-2 | PSB10121725-2 | MOTOR FAN |
| 1725-3 | PSB10121725-3 | MOTOR JUNCTION BOX |
| 1726 | PSB10121726 | ELBOW CONNECTOR 3/8 PT X 1/4 PT |
| 1727 | PSB10121727 | RUBBER RING 3/8" |
| 1728 | PSB10121728 | STAND PIPE 3/8 PT X 8" |
| 1729 | PSB10121729 | NYLON OIL DELIVERY TUBE 10 X 100MM |
| 1730 | PSB10121730 | OIL RESERVOIR FILL CAP 1 PT |
| 1731 | PSB10121731 | OIL LEVEL GLASS 3" |
| 1732 | PSB10121732 | OIL DRAIN PLUG 3/4 PT |
| 1733 | PSB10121733 | OIL RESERVOIR |
| 1734 | PW03M | FLAT WASHER 6MM |
| 1735 | PCAP01M | CAP SCREW M6-1 X 16 |
| 1736 | PCAP14M | CAP SCREW M8-1.25 X 20 |
| 1737 | PW01M | FLAT WASHER 8MM |
| 1738 | PN03M | HEX NUT M8-1.25 |
| 1739 | PSB10121739 | ELECTRICAL CABINET |

# Tailstock

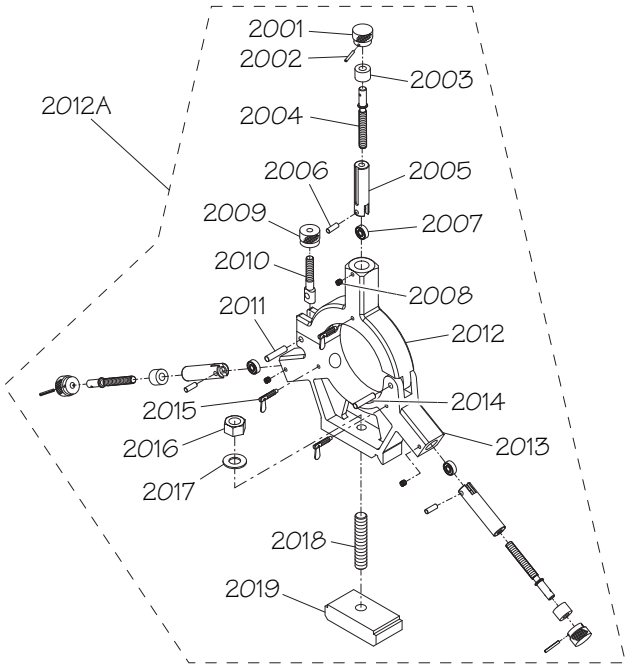

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# Tailstock Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 1801 | PSB10141801 | INCH TAILSTOCK LEADSCREW |
| 1802 | PSB10141802 | INCH LEADSCREW NUT |
| 1803 | PSB10141803 | KEY 5 X 5 X 20 |
| 1804 | PSB10141804 | THRUST BEARING MTB/AS2-2035 |
| 1805 | PSB10141805 | INCH LEADSCREW FLANGE BRACKET |
| 1806 | PSB10141806 | EXT RETAINING RING 32MM |
| 1807 | PSB10141807 | INDEX DIAL SPACER |
| 1808 | PSB10141808 | INCH INDEX RING |
| 1809 | PSB10141809 | HANDWHEEL |
| 1810 | PSB10141810 | HANDWHEEL WASHER 6MM |
| 1811 | PSB10141811 | HANDLE BOLT M8-1.25 X 90 |
| 1812 | PSB10141812 | HANDWHEEL HANDLE |
| 1813 | PSB10141813 | COMPRESSION SPRING 6 X 16 |
| 1814 | PSB10141814 | STEEL BALL 1/4 |
| 1815 | PSB10141815 | QUILL LOCK LEVER |
| 1816 | PSB10141816 | QUILL LOCK CAM SHAFT |
| 1817 | PSB10141817 | TAILSTOCK LOCK LEVER |
| 1818 | PSB10141818 | TAILSTOCK LOCK CAM SHAFT |
| 1819 | PSB10141819 | ROLL PIN 4 X 24 |
| 1821 | PSB10141821 | OIL SEAL DH53 |
| 1822 | PSB10141822 | TAP-IN BALL OILER 1/4 |
| 1823 | PSB10141823 | TAILSTOCK CASTING |
| 1824 | PSB10141824 | TAILSTOCK QUILL |
| 1825 | PSB10141825 | QUILL GUIDE KEY |
| 1826 | PSB10141826 | TOP OFFSET INDEX PLATE |
| 1827 | PSB10141827 | BOTTOM OFFSET INDEX PLATE |
| 1828 | PSB10141828 | TAILSTOCK ALIGNMENT PIN |

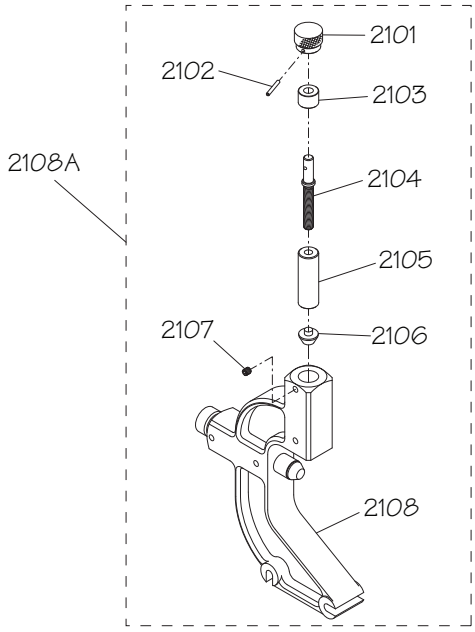
| REF | PART # | DESCRIPTION |
|---|---|---|
| 1829 | PSB10141829 | PIVOT BLOCK |
| 1830 | PSB10141830 | DOG POINT SET SCREW M8-1.25 x 50 |
| 1831 | PSB10141831 | TAILSTOCK BASE |
| 1832 | PSB10141832 | GIB ADJUSTMENT SCREW |
| 1833 | PSB10141833 | V-WAY WIPER |
| 1834 | PSB10141834 | V-WAY WIPER PLATE |
| 1835 | PSB10141835 | FLAT-WAY WIPER |
| 1836 | PSB10141836 | FLAT-WAY WIPER PLATE |
| 1837 | PSB10141837 | TAILSTOCK GIB |
| 1838 | PSB10141838 | COMPRESSION SPRING 25 X 45 |
| 1839 | PSB10141839 | CLAMP BLOCK |
| 1840 | PSB10141840 | TAILSTOCK STUD M14-2 X 110 |
| 1901 | PSB10141901 | CAP SCREW M6-1 X 16 |
| 1902 | PSB10141902 | SET SCREW M6-1 X 12 |
| 1903 | PSB10141903 | CAP SCREW M6-1 X 12 |
| 1904 | PSB10141904 | CAP SCREW M8-1.25 X 70 |
| 1905 | PSB10141905 | CAP SCREW M8-1.25 X 60 |
| 1906 | PSB10141906 | CAP SCREW M6-1 X 8 |
| 1907 | PSB10141907 | CAP SCREW M6-1 X 16 |
| 1908 | PSB10141908 | PHLP HD SCR M5-.8 X 12 |
| 1909 | PSB10141909 | FLAT WASHER 10MM |
| 1910 | PSB10141910 | HEX BOLT M10-1.5 X 55 |
| 1911 | PSB10141911 | FLAT WASHER 14MM |
| 1912 | PSB10141912 | HEX NUT M14-2 |
| 1913 | PSB10141913 | HEX NUT M8-1.25 |
| 1914 | PSB10141914 | STEEL FLUTED RIVET 2 X 5MM |
| 1915 | PSB10141915 | LOCK WASHER 10MM |

# Steady Rest



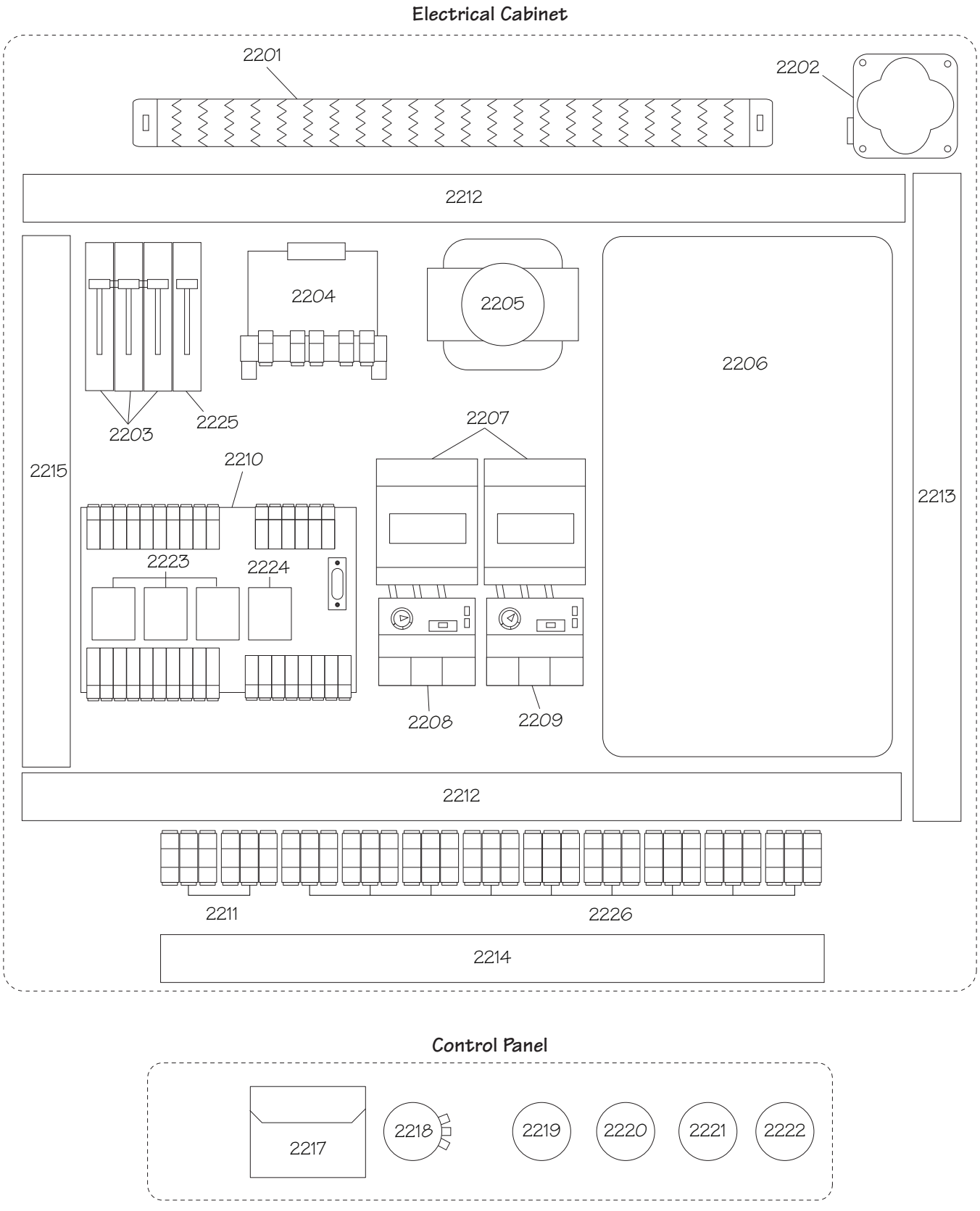

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2001 | PSB10122001 | FINGER ADJUSTMENT KNOB |
| 2002 | PRP51M | ROLL PIN 4 X 40 |
| 2003 | PSB10122003 | FINGER COLLAR |
| 2004 | PSB10122004 | FINGER STUD |
| 2005 | PSB10122005 | STEADY REST FINGER |
| 2006 | PSB10122006 | BEARING DOWEL PIN |
| 2007 | P627ZZ | BALL BEARING P627ZZ |
| 2008 | PSS20M | SET SCREW M8-1.25 X 8 |
| 2009 | PSB10122009 | CLAMP STUD KNOB |
| 2010 | PSB10122010 | CLAMP STUD |
| 2011 | PSB10122011 | CLAMP STUD DOWEL PIN |
| 2012 | PSB10142012 | TOP STEADY REST CASTING |
| 2012A | PSB10142012A | STEADY REST ASSEMBLY |
| 2013 | PSB10142013 | BOTTOM STEADY REST CASTING |
| 2014 | PSB10122014 | HINGE PIN |
| 2015 | PSB10122015 | SINGLE WING SCREW |
| 2016 | PN09M | HEX NUT M12-1.75 |
| 2017 | PLW05M | LOCK WASHER 12MM |
| 2018 | PSB10122018 | STUD M12-1.75 X 75 |
| 2019 | PSB10122019 | CLAMP PLATE |

# Follow Rest




| REF | PART # | DESCRIPTION |
|---|---|---|
| 2101 | PSB10122001 | FINGER ADJUSTMENT KNOB |
| 2102 | PRP51M | ROLL PIN 4 X 40 |
| 2103 | PSB10122003 | FINGER COLLAR |
| 2104 | PSB10122104 | FINGER STUD |
| 2105 | PSB10122105 | FOLLOW REST FINGER |
| 2106 | PSB10122106 | FINGER TIP |
| 2107 | PSS20M | SET SCREW M8-1.25 X 8 |
| 2108 | PSB10142108 | FOLLOW REST CASTING |
| 2108A | PSB10142108A | FOLLOW REST ASSEMBLY |

# Electrical Cabinet & Control Panel

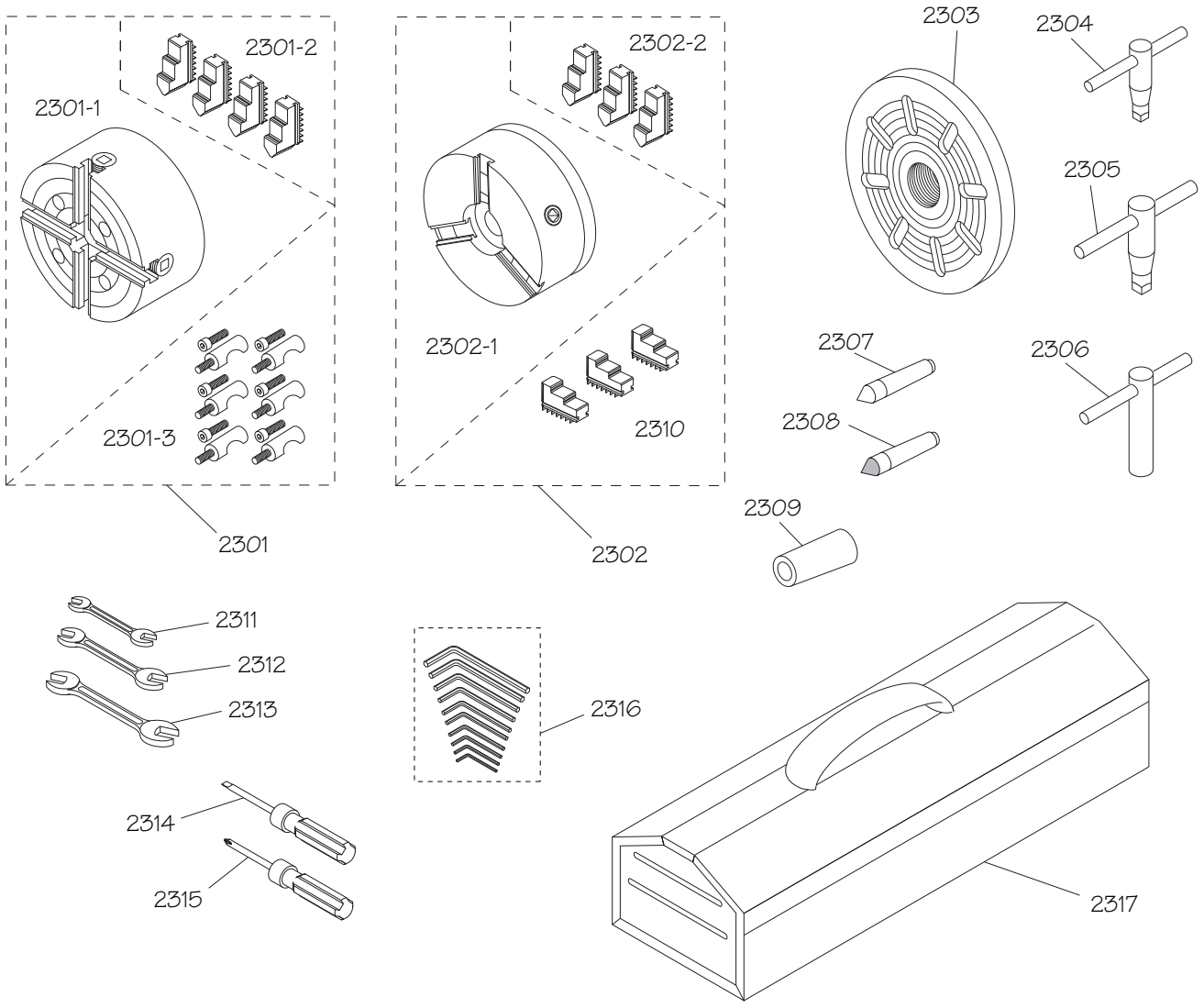


# Electrical Cabinet & Control Panel Parts List

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2201 | PSB10142201 | RESISTOR 800W 20-OHM (SB1014) |
| 2201 | PSB10152201 | RESISTOR 600W 100-OHM (SB1015) |
| 2202 | PSB10122202 | CABINET COOLING FAN |
| 2203 | PSB10122203 | CIRCUIT BREAKER 20A |
| 2204 | PSB10122204 | TRANSFORMER 24-440V |
| 2205 | PSB10122205 | MAIN POWER SWITCH |
| 2206 | PSB10142206 | INVERTER YASKAWA CIMR-G7A25P5 (SB1014) |
| 2206 | PSB10152206 | INVERTER YASKAWA CIMR-G7A45P5 (SB1015) |
| 2207 | PSB10122207 | CONTACTOR AB 100-C1001 24V |
| 2208 | PSB10122208 | OL RELAY AB 193-TAA40 0.24-0.4A |
| 2209 | PSB10122209 | OL RELAY AB 193TAB24 1.6-2.5A (SB1014) |
| 2209 | PSB10132209 | OL RELAY AB 193TAB10 0.6-1.0A (SB1015) |
| 2210 | PSB10122210 | CIRCUIT BOARD |
| 2211 | PSB10122211 | TERMINAL BLOCK 3-POST 30A |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2212 | PSB10122212 | WIRE LOOM 17" |
| 2213 | PSB10122213 | WIRE LOOM 16" |
| 2214 | PSB10122214 | WIRE LOOM 14" |
| 2215 | PSB10122215 | WIRE LOOM 12" |
| 2217 | PSB10122217 | TACHOMETER DISPLAY |
| 2218 | PSB10122218 | SPINDLE SPEED DIAL |
| 2219 | PSB10122219 | POWER LAMP ASSEMBLY |
| 2220 | PSB10122220 | COOLANT PUMP SWITCH |
| 2221 | PSB10122221 | SPINDLE JOG BUTTON |
| 2222 | PSB10122222 | EMERGENCY STOP BUTTON |
| 2223 | PSB10122223 | RELAY OMRON MY4NJ 24VAC |
| 2224 | PSB10122224 | RELAY OMRON NY2NJ 24VAC |
| 2225 | PSB10122225 | CIRCUIT BREAKER 6A |
| 2226 | PSB10122226 | TERMINAL BLOCK 3-POST 15A |

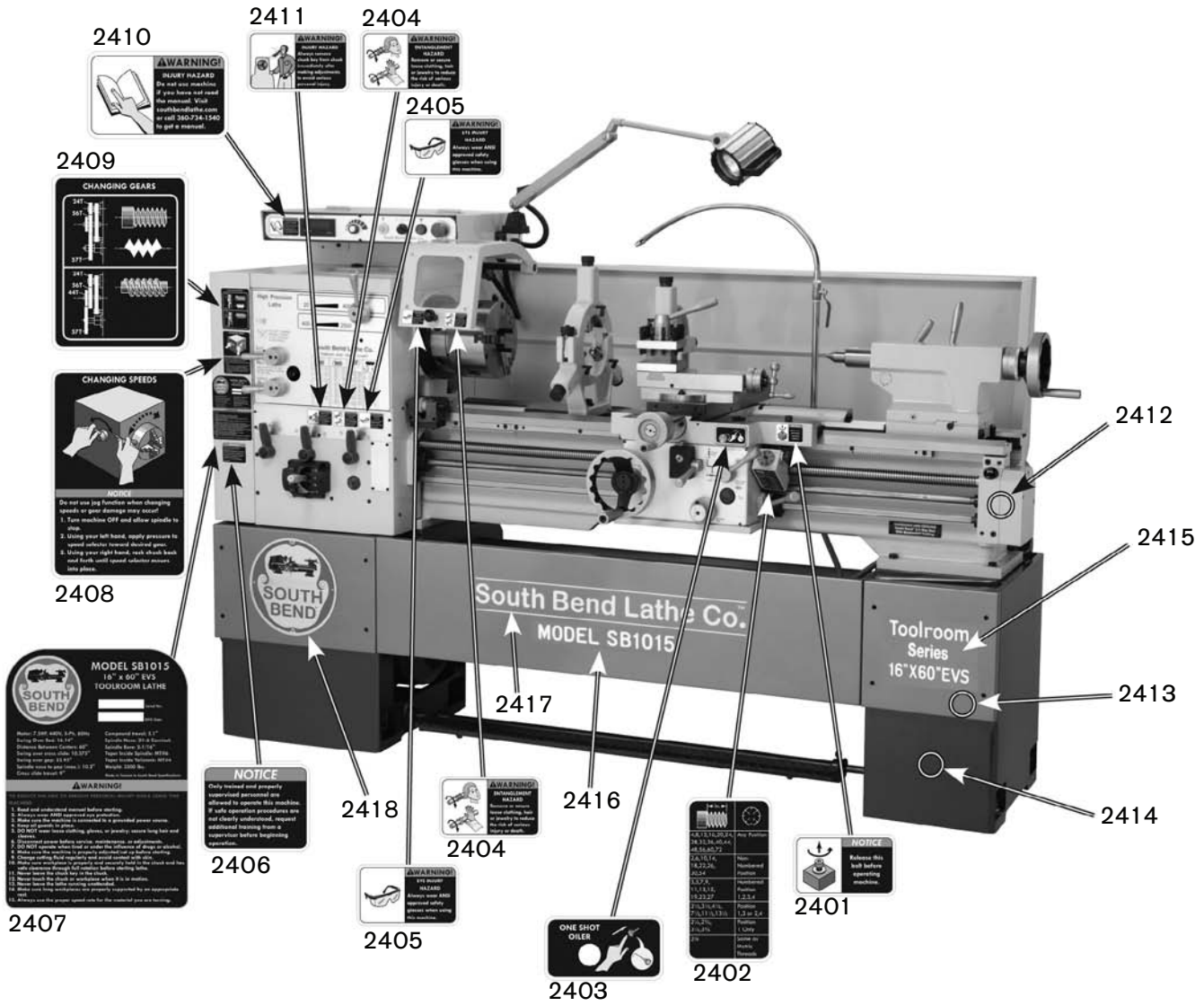
# Accessories




| REF | PART # | DESCRIPTION |
|---|---|---|
| 2301 | PSB10122301 | 4-JAW CHUCK 10" ASSEMBLY |
| 2301-1 | PSB10122301-1 | 4-JAW CHUCK 10" |
| 2301-2 | PSB10122301-2 | 4-JAW CHUCK JAW SET |
| 2301-3 | PSB10122301-3 | 4-JAW CHUCK CAMLOCK STUD SET |
| 2302 | PSB10122302 | 3-JAW CHUCK 8" ASSEMBLY |
| 2302-1 | PSB10122302-1 | 3-JAW CHUCK 8" |
| 2302-2 | PSB10122302-2 | 3-JAW CHUCK STANDARD JAW SET |
| 2303 | PSB10122303 | FACEPLATE ASSEMBLY 12" |
| 2304 | PSB10122304 | 3-JAW CHUCK KEY |
| 2305 | PSB10122305 | 4-JAW CHUCK KEY |
| 2306 | PSB10122306 | TOOL POST T-WRENCH |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2307 | PSB10122307 | STANDARD DEAD CENTER MT#4 |
| 2308 | PSB10122308 | CARBIDE TIP DEAD CENTER MT#4 |
| 2309 | PSB10122309 | SPINDLE SLEEVE MT#4/MT#6 |
| 2310 | PSB10122310 | 3-JAW CHUCK REVERSIBLE JAW SET |
| 2311 | PWR1012 | WRENCH 10/12MM |
| 2312 | PWR1417 | WRENCH 14/17MM |
| 2313 | PWR2224 | WRENCH 22/24MM |
| 2314 | PSDF2 | SCREWDRIVER FLAT #2 |
| 2315 | PSDP2 | SCREWDRIVER PHILLIPS #2 |
| 2316 | PAW1510M | HEX WRENCH SET 10PC 1.5-10 MM |
| 2317 | PSB10122317 | TOOLBOX |

# Machine Labels (Front View)



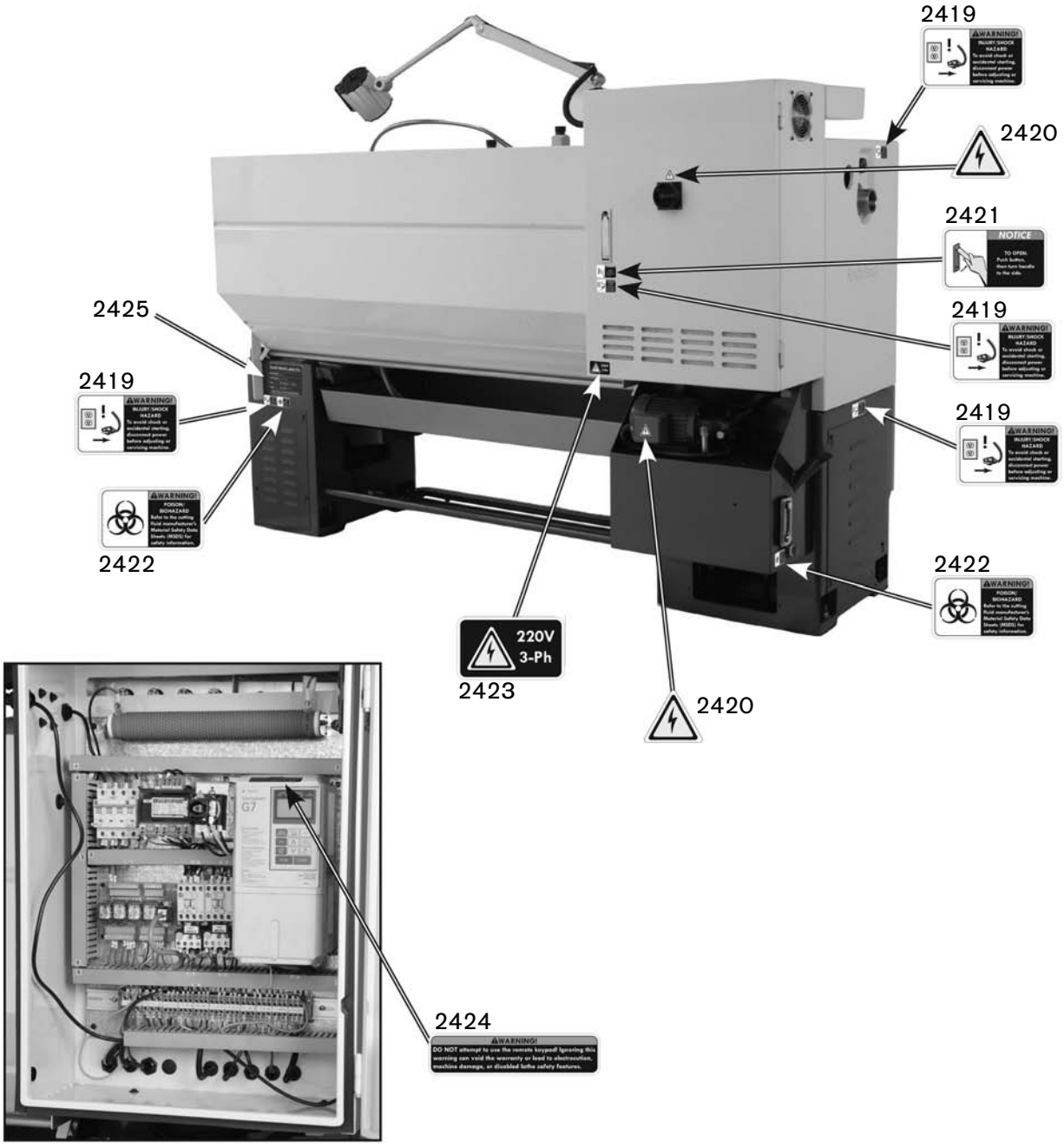

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2401 | PSB10122401 | RELEASE BOLT NOTICE LABEL |
| 2402 | PSB10122402 | THREAD DIAL CHART LABEL |
| 2403 | PSB10122403 | ONE-SHOT OILER LABEL |
| 2404 | PSBLABEL08HS | ENTANGLEMENT HAZARD LABEL |
| 2405 | PSBLABEL04HS | EYE INJURY HAZARD LABEL |
| 2406 | PSB10122406 | AUTHORIZED PERSONNEL NOTICE LABEL |
| 2407 | PSB10142407 | MACHINE ID LABEL (SB1014) |
| 2407 | PSB10152407 | MACHINE ID LABEL (SB1015) |
| 2408 | PSB10122408 | CHANGING SPEED NOTICE LABEL |
| 2409 | PSB10122409 | CHANGING GEARS LABEL |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2410 | PSBLABEL01HS | READ MANUAL LABEL |
| 2411 | PSB10122411 | CHUCK KEY HAZARD LABEL |
| 2412 | SBPPAINT-01 | SB GRAY TOUCH-UP PAINT |
| 2413 | PSBPAINT02 | SB LIGHT BLUE TOUCH-UP PAINT |
| 2414 | PSBPAINT03 | SB DARK BLUE TOUCH-UP PAINT |
| 2415 | PSB10142415 | TOOL ROOM SERIES LABEL |
| 2416 | PSB10142416 | MODEL NUMBER LABEL (SB1014) |
| 2416 | PSB10152416 | MODEL NUMBER LABEL (SB1015) |
| 2417 | PSB10122417 | SB LATHE CO LABEL |
| 2418 | SB1322 | SOUTH BEND NAMEPLATE 255MM |

## ⚠WARNING

**The safety labels provided with your machine are used to make the operator aware of the machine hazards and ways to prevent injury. The owner of this machine MUST maintain the original location and readability of these safety labels. If any label is removed or becomes unreadable, REPLACE that label before using the machine again. Contact South Bend Lathe Co. at (360) 734-1540 or www.southbendlathe.com to order new labels.**

# Machine Labels (Rear View)




| REF | PART # | DESCRIPTION |
|---|---|---|
| 2419 | PSBLABEL01HS | DISCONNECT POWER LABEL |
| 2420 | PSBLABEL15M | ELECTRICITY LABEL |
| 2421 | PSB10122421 | ELECTRICAL CABINET LATCH LABEL |
| 2422 | PSBLABEL06HS | BIOHAZARD LABEL |

| REF | PART # | DESCRIPTION |
|---|---|---|
| 2423 | PSB10122423 | 220V 3-PHASE LABEL (SB1014) |
| 2423 | PSB10132423 | 440V 3-PHASE LABEL (SB1015) |
| 2424 | PSB10122424 | INVERTER WARNING LABEL |
| 2425 | PSB10142425 | MOTOR SPECIFICATIONS PLATE |

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**FAX: (360) 734-1639 (USA only)**

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