

# Parts Catalog



**SG13A**

## **S-Series Slicer Automatic Model: SG13A**

04/03/2017 Rev. H

IMPORTANT!

TO EXPEDITE SHIPMENT OF PARTS, ALWAYS SPECIFY MODEL, REV,  
PART NUMBER, AND SERIAL NUMBER OF UNIT.

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Not for resale

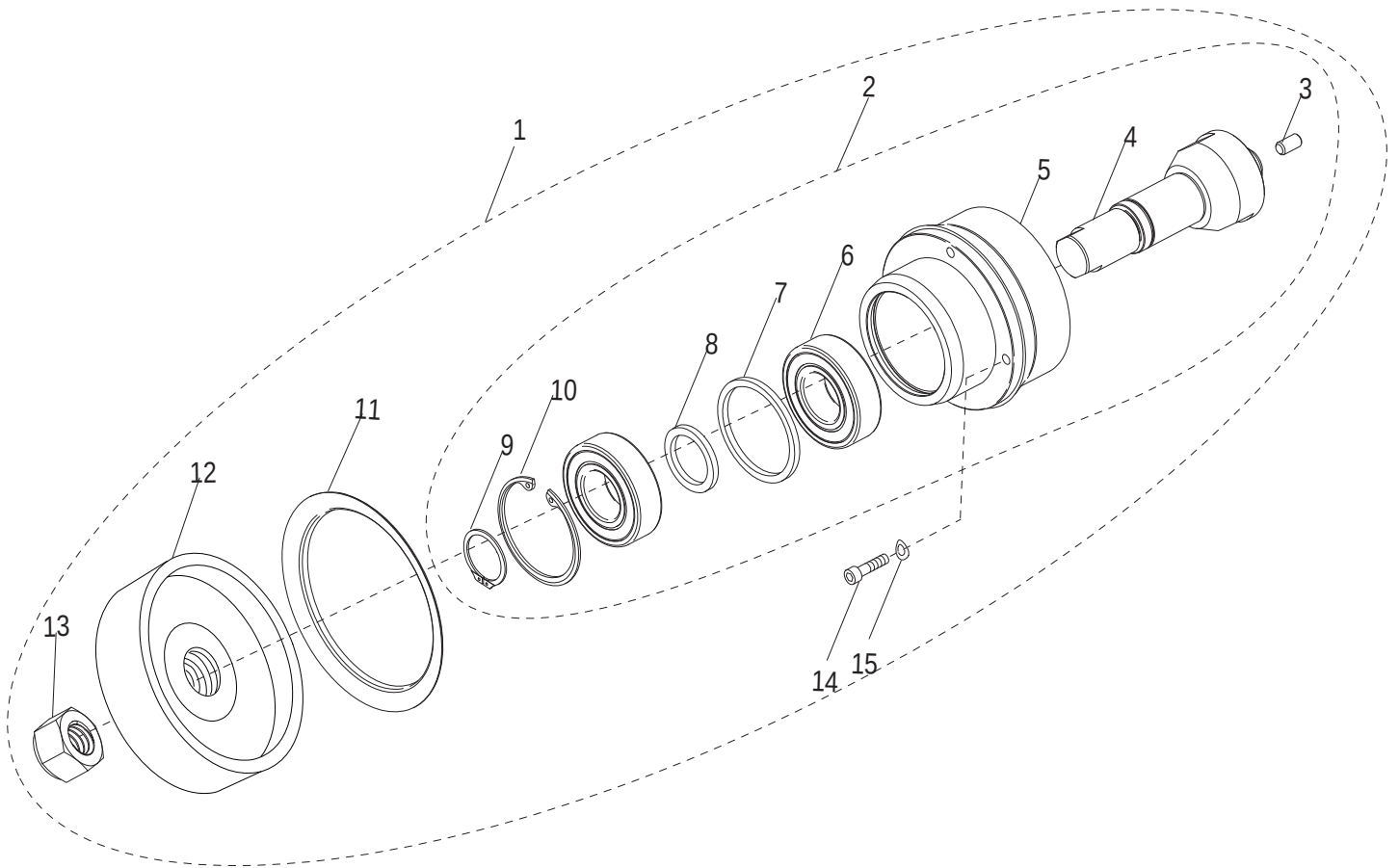


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## Knife Drive Assembly Components





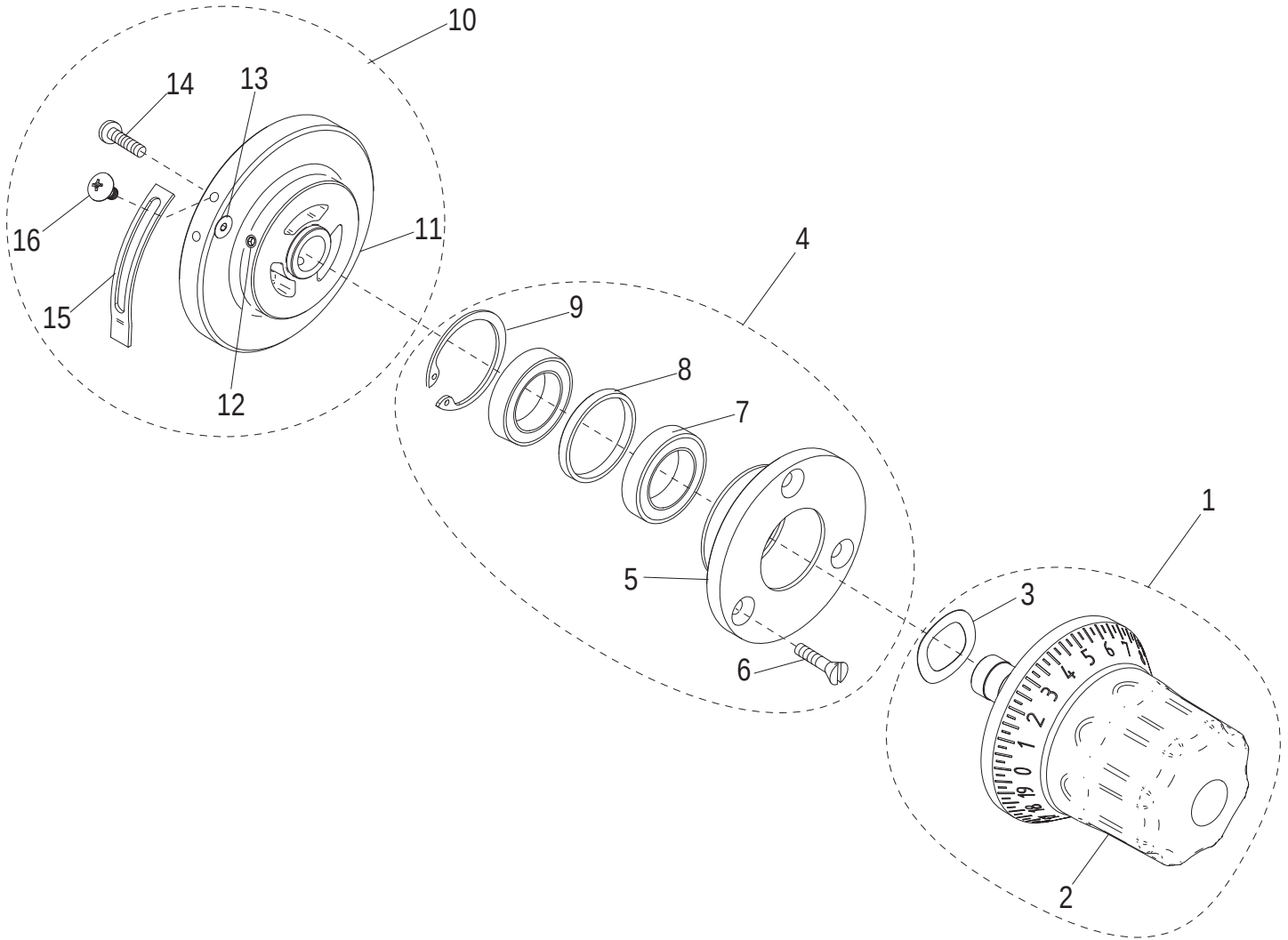
## Knife Drive Assembly Components

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| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 450211      | Knife Drive Assembly (Incl. items 2-15)         | 1   |               |
| 2    | 420088      | Knife Drive Bearing Assembly (Incl. items 3-10) | 1   |               |
| 3    |             | Knife Cover Bumper                              | 1   |               |
| 4    |             | Shaft, Knife Drive                              | 1   |               |
| 5    |             | Knife Drive Bearing Mount                       | 1   |               |
| 6    |             | Ball Bearing, Sealed                            | 2   |               |
| 7    |             | Outer Ring, Bearing Spacer                      | 1   |               |
| 8    |             | Inner Ring, Bearing Spacer                      | 1   |               |
| 9    |             | Retaining Ring 5101-98 Bowed External           | 1   |               |
| 10   |             | Retaining Ring N5002-200                        | 1   |               |
| 11   | 520244      | Knife Drive Boot                                | 1   |               |
| 12   | 450115      | Knife Drive Pulley                              | 1   |               |
| 13   | 510033      | Nut 7/8-20 Hex (Zinc)                           | 1   |               |
| 14   | 810229      | Socket Hd. 1/4-20x3/4 Cap Screw, SST            | 4   |               |
| 15   | 810275      | Bellville Disc Spring Washer .255 ID x .50 OD   | 4   |               |



## Index Knob Components





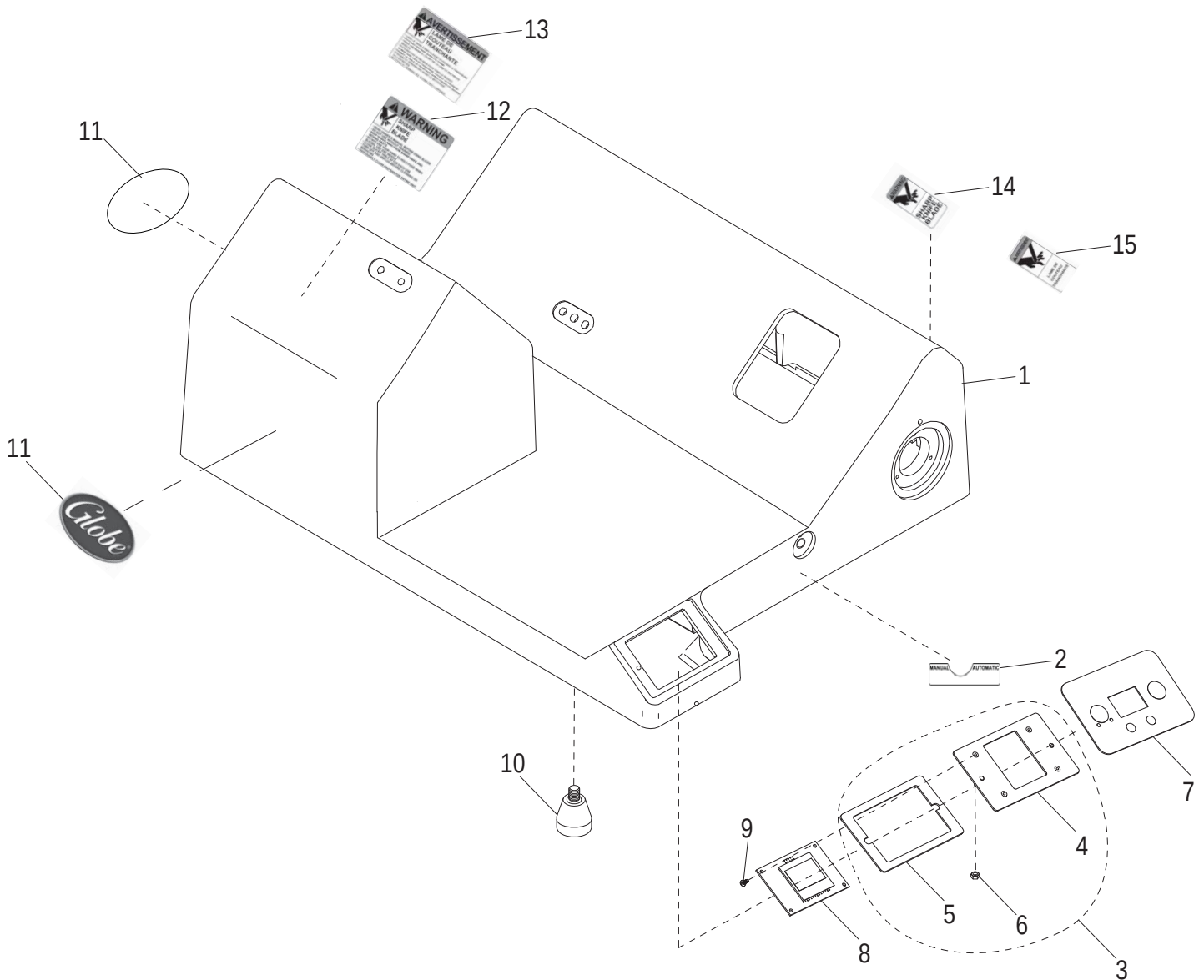
## Index Knob Components

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| Item | Part Number | Description                                      | Qty | Serial Number |
|------|-------------|--------------------------------------------------|-----|---------------|
| 1    | 500044      | Index Knob Assembly (Incl. items 2-3)            | 1   |               |
| 2    | 500022      | Index Knob                                       | 1   |               |
| 3    | 800136      | Index Knob Tension Spring                        | 1   |               |
| 4    | 450214      | Index Bearing Hub Assembly Kit (Incl. items 5-9) | 1   |               |
| 5    |             | Index Knob Bearing Hub                           | 1   |               |
| 6    | 800104      | Mach. Screw #10-24x5/8 Flat Hd Slotted           | 3   |               |
| 7    |             | Index Knob Bearing                               | 2   |               |
| 8    |             | Spacer, Index Bearing                            | 1   |               |
| 9    |             | Beveled Retaining Ring                           | 1   |               |
| 10   | 500049      | Index Cam with Stop Assembly (Incl. items 11-16) | 1   |               |
| 11   | 520350      | Index Cam                                        | 1   |               |
| 12   |             | Set Screw 1/4-28x5/8,18-8 Cup Pt. (SST)          | 3   |               |
| 13   |             | Socket Cap Screw #10-32x3/4 Flat Hd (SS)         | 1   |               |
| 14   | 800105      | Socket Cap Screw #10-32x5/8 Button-Hd            | 1   |               |
| 15   | 300054      | Cam Stop                                         | 1   |               |
| 16   | 810457      | Mach. Screw, #10-32 x 1/2 Phil Truss             | 2   |               |



## Base Shroud Components







## Base Shroud Components

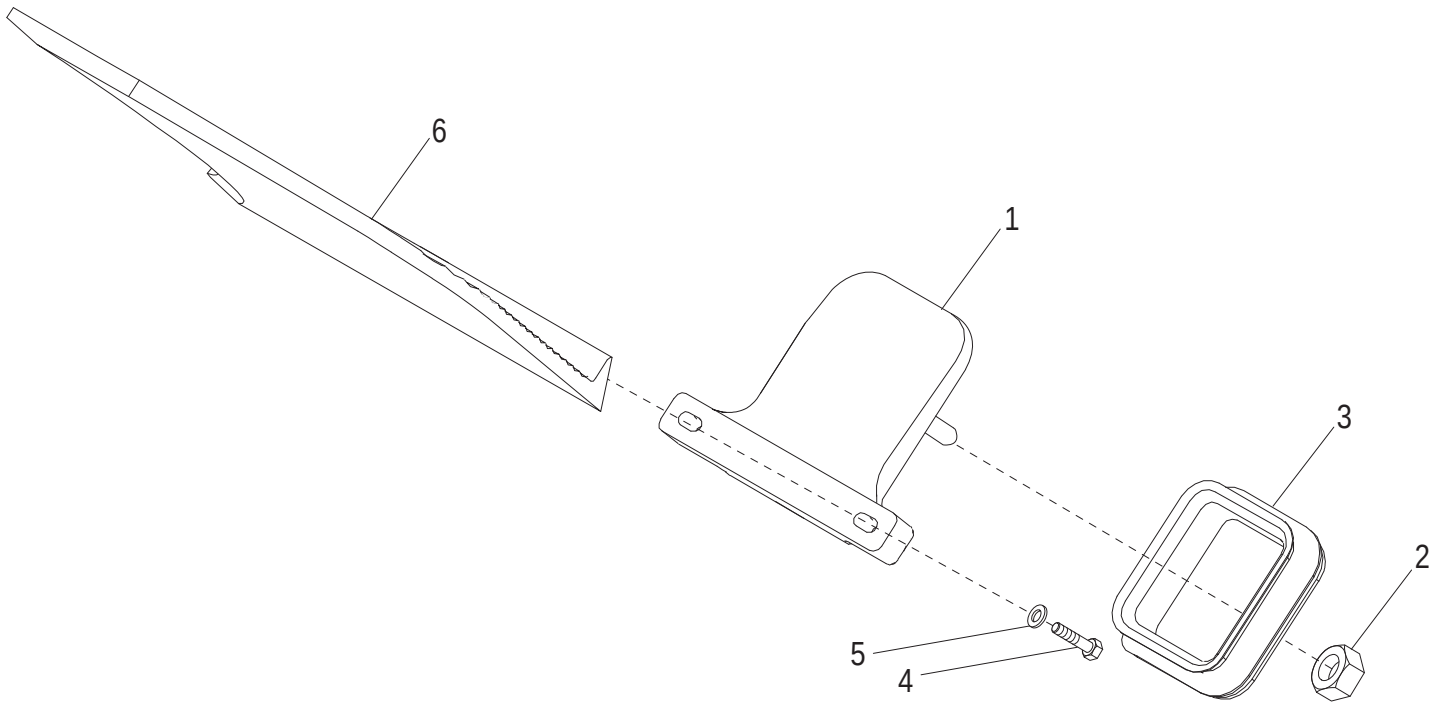
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| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    |             | Slicer Base                                     | 1   |               |
| 2    | 920203      | Auto Engage Label                               | 1   |               |
| 3    | 300122      | User Interface Panel Assembly (Incl. items 4-6) | 1   |               |
| 4    | 300102      | User Interface Panel                            | 1   |               |
| 5    | 510035      | User Interface Panel Gasket                     | 1   |               |
| 6    | 810422      | Nylon Locknut 6-32                              | 2   |               |
| 7    | 910193      | Membrane Switch, Automatic Slicer               | 1   |               |
| 8    | 121062      | Display Assembly                                | 1   |               |
| 9    | 810423      | Mach. Screw #4-40 x 1/4, 18-8 PH Cr (SST)       | 4   |               |
| 10   | 510031      | Slicer Foot                                     | 4   |               |
| 11   | 920202      | Globe Logo Decal, S-Series                      | 2   |               |
| 12   | 920200      | Warning Label, Large                            | 1   |               |
| 13   | 920198      | Warning Label, Large French                     | 1   |               |
| 14   | 920201      | Warning Label, Small                            | 1   |               |
| 15   | 920199      | Warning Label, Small French                     | 1   |               |



## Gauge Plate Components

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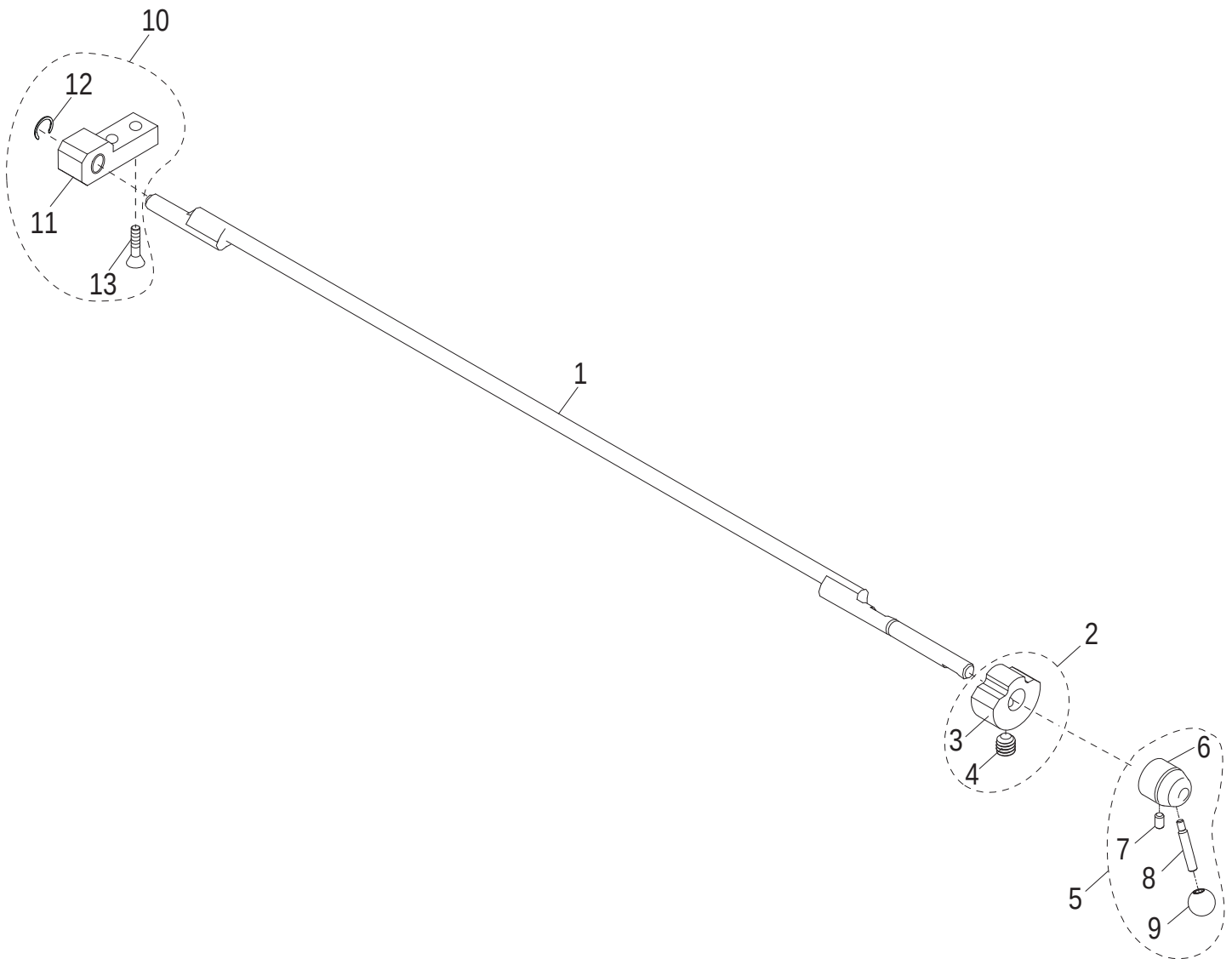
## Gauge Plate Components

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| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 450212      | Gauge Plate Base Assembly                       | 1   |               |
| 2    | 450054      | Post Nut, Gauge Plate Ball Joint                | 1   |               |
| 3    | 500001      | Gauge Plate Seal                                | 1   |               |
| 4    | 890411      | Cap Screw 3/8-16x1-1/2, Hex Hd with Nylon Patch | 2   |               |
| 5    | 870030      | Flat Washer, Steel, Fits Screw                  | 2   |               |
| 6    | 450070      | Gauge Plate                                     | 1   |               |



## Auto Engage Lever Components





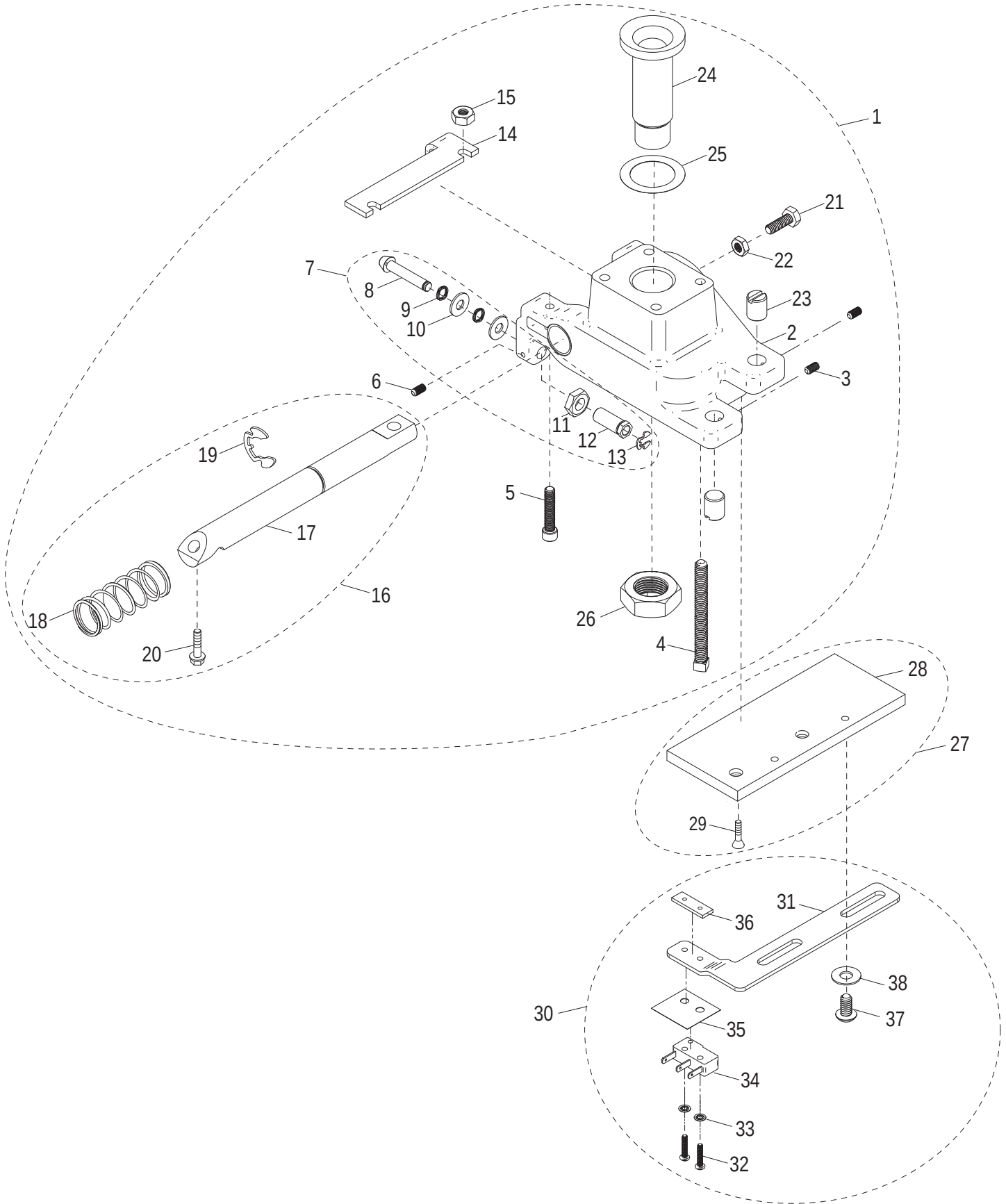
## Auto Engage Lever Components

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| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 400021      | Auto Engage Assembly Bar                        | 1   |               |
| 2    | 400038      | Position Block Assembly (Incl. items 3-4)       | 1   |               |
| 3    |             | Auto Engage Position Block                      | 1   |               |
| 4    |             | Socket Set Screw 1/4-20x1/4,18-8 Cup Pt. (SST)  | 1   |               |
| 5    | 500029      | Auto Engage Lever Assembly (Incl. items 6-9)    | 1   |               |
| 6    |             | Auto Engage Lever Hub                           | 1   |               |
| 7    |             | Set Screw 1/4-20x.42 Cup Point                  | 1   |               |
| 8    |             | Handle Shaft                                    | 1   |               |
| 9    |             | Auto Engage Handle Knob                         | 1   |               |
| 10   | 400126      | Bearing Block Assembly Kit (Incl. items 11-13)  | 1   |               |
| 11   |             | Bearing Block Assembly                          | 1   |               |
| 12   | 810429      | Retaining Ring, 5304-31 (Klipring)              | 1   |               |
| 13   | 810003      | Screw 1/4-20x3/4 Crossed Rec., Flat Hd, Tapping | 2   |               |



## Index Slide Assembly Components





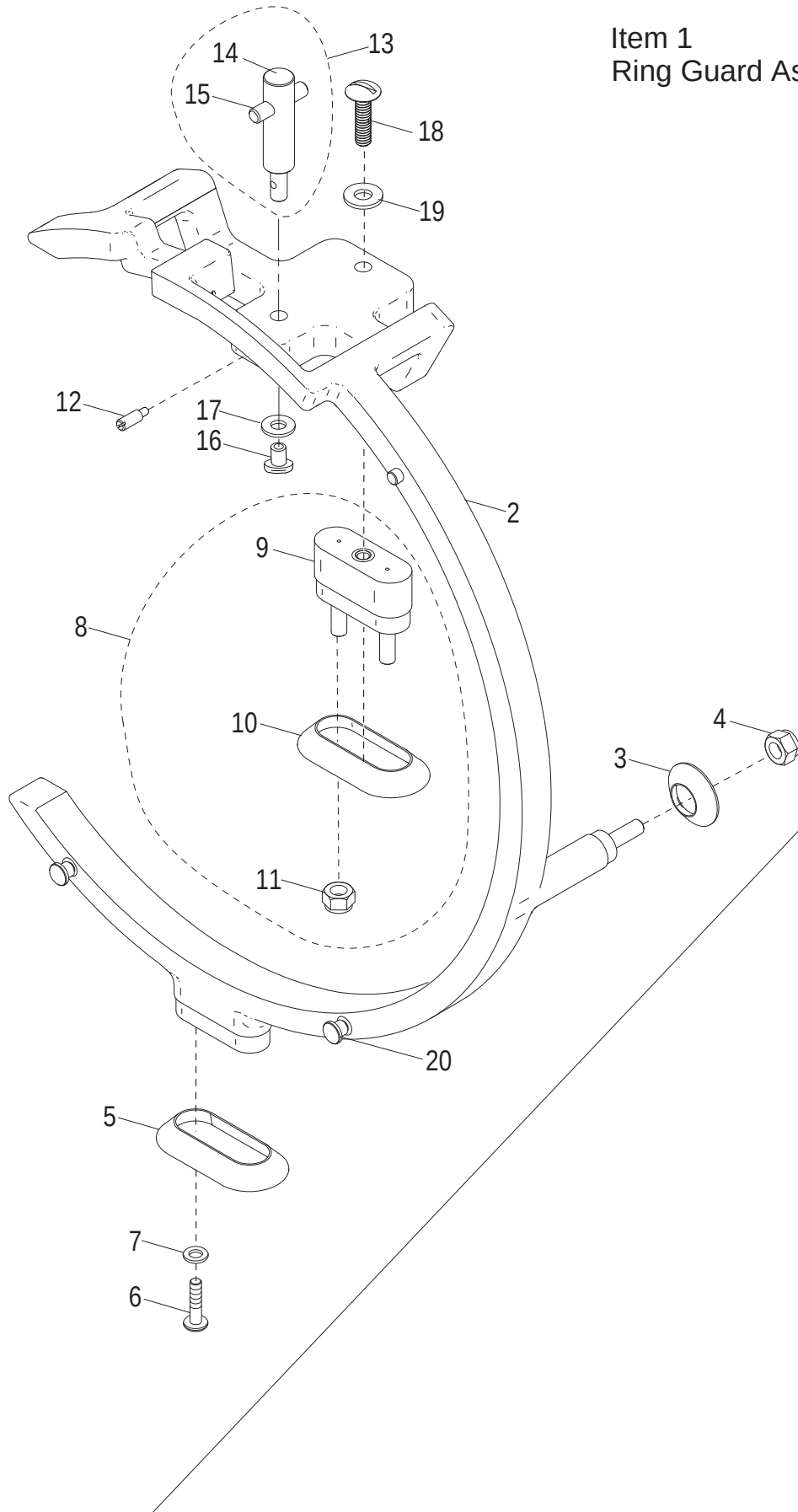
## Index Slide Assembly Components

| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 400140      | Index Slide Kit (Incl. items 2-26)              | 1   |               |
| 2    |             | Index Slide with Bushings                       | 1   |               |
| 3    | 810400      | Set Screw #10-32x3/8 Cup Pt.                    | 2   |               |
| 4    | 800146      | Set Screw 5/16-18x3 Sq. Hd Cup Point            | 4   |               |
| 5    | 800144      | Cap Screw 1/4-28x1-1/4 Socket Hd                | 2   |               |
| 6    | 800091      | Set Screw #8-32 x 3/16 Knurled Grip - Cup Pt.   | 1   |               |
| 7    | 400121      | Cam Follower Kit (Incl. items 8-13)             | 1   |               |
| 8    |             | Follower                                        | 1   |               |
| 9    |             | Wave Spring Cam Follower                        | 2   |               |
| 10   |             | Flat Washer .266 ID, .625 OD Type A             | 2   |               |
| 11   | 890390      | Jam Nut 3/8-24 Sharpener Wheel                  | 1   |               |
| 12   |             | Follower Adjustment Post                        | 1   |               |
| 13   | 810379      | Retaining Clip Ring 5304-18                     | 1   |               |
| 14   |             | Cam Stop Bracket                                | 1   |               |
| 15   | 800145      | Nut 1/4-28 Hex                                  | 2   |               |
| 16   | 400122      | Index Slide Shaft Kit (Incl. items 17-20)       | 1   |               |
| 17   |             | Index Slide Shaft                               | 1   |               |
| 18   |             | Index Spring                                    | 1   |               |
| 19   | 800152      | Retaining Ring (Klipring) 5304-75               | 1   |               |
| 20   | 800058      | Washer 5/16-18-1 Hex Hd Tapping Screw           | 2   |               |
| 21   | 810431      | Cap Screw 1/4-20 x 3/4 Hex Hd                   | 1   |               |
| 22   | 810432      | Nut, Thin 1/4-20 Hex                            | 1   |               |
| 23   | 450057      | Screw, Anti-Rotation                            | 2   |               |
| 24   | 450050      | Ball Joint Rest                                 | 1   |               |
| 25   | 800168      | Gauge Plate Spacer Kit (Kit of 4)               | 1   |               |
| 26   | 800043      | Nut 7/8-14 UNF Hex Jam                          | 1   |               |
| 27   | 400128      | Anti-Rotation Plate Kit (Incl. items 28-29)     | 1   |               |
| 28   |             | Anti-Rotation Plate                             | 1   |               |
| 29   | 810003      | Screw 1/4-20x3/4 Crossed Rec., Flat Hd, Tapping | 2   |               |
| 30   | 121079      | Index Close Switch Kit (Incl. items 31-38)      | 1   |               |
| 31   |             | Switch Mounting Plate                           | 1   |               |
| 32   |             | Mach. Screw #2-56x7/16 Pan Hd. Phillips         | 2   |               |
| 33   |             | Lock Washer #2 Internal Tooth                   | 2   |               |
| 34   |             | Micro Switch, Pin Action                        | 1   |               |
| 35   |             | Micro Switch Insulator                          | 1   |               |
| 36   |             | Nut Plate                                       | 1   |               |
| 37   | 800077      | Mach. Screw #10-24x3/8 Button Hd Cap (SST)      | 2   |               |
| 38   | 870087      | Washer, Flat #10                                | 2   |               |



## Ring Guard Assembly Components

Item 1  
Ring Guard Assembly





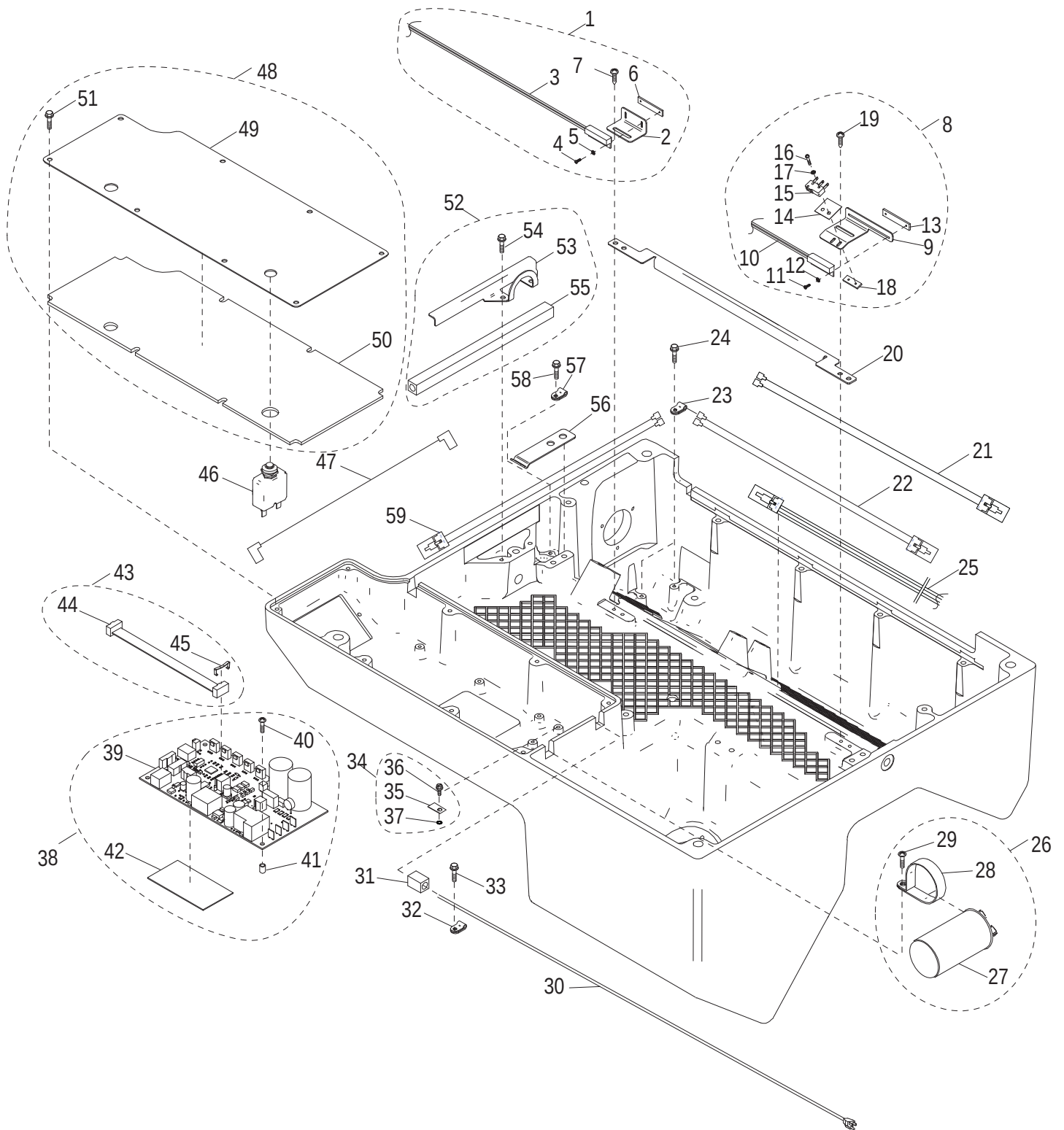


## Ring Guard Assembly Components

| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 500047      | Ring Guard Assembly Kit (Incl. items 2-20)      | 1   |               |
| 2    | 520316      | Ring Guard                                      | 1   |               |
| 3    | 520243      | Round Boot, Ring Guard                          | 1   |               |
| 4    | 810438      | Nylon-Insert Nut 1/4-20 Grade 5 Stl Zinc Plated | 1   |               |
| 5    | 520242      | Oval Boot, Ring Guard                           | 1   |               |
| 6    | 810358      | Mach. Screw 1/4-20x1 Truss Hd                   | 2   |               |
| 7    | 810345      | Flat Washer 1/4 Screw Thread (18-8 SST)         | 2   |               |
| 8    | 450213      | Ring Guard Spacer Assembly (Incl. items 9-11)   | 1   |               |
| 9    | 460064      | Spacer, Ring Guard                              | 1   |               |
| 10   | 520242      | Oval Boot, Ring Guard                           | 1   |               |
| 11   | 810438      | Nylon-Insert Nut 1/4-20 Grade 5 Stl Zinc Plated | 2   |               |
| 12   | 810347      | Slotted Set Screw 10-32 custom                  | 1   |               |
| 13   | 450131      | Sharpener Mount Assembly (Incl. items 14-15)    | 1   |               |
| 14   |             | Sharpener Mounting Shaft                        | 1   |               |
| 15   |             | Dowel Pin, Alloy Stl, 1/4 Dia x 1-1/8 Long      | 1   |               |
| 16   | 810305      | Mach. Screw 10-32x1/4                           | 1   |               |
| 17   | 800076      | Washer #10 Flat (18-8 SST)                      | 1   |               |
| 18   | 810358      | Mach. Screw 1/4-20x1 Truss Hd                   | 1   |               |
| 19   | 810345      | Flat Washer 1/4 Screw Thread (18-8 SST)         | 1   |               |
| 20   | 450130      | Locator Pin                                     | 2   |               |



## Electrical Base Components





## Electrical Base Components

| Item | Part Number | Description                                        | Qty | Serial Number |
|------|-------------|----------------------------------------------------|-----|---------------|
| 1    | 121083      | Home Sensor Kit (Incl. items 2-7)                  | 1   |               |
| 2    |             | Home/Cut Sensor Mount                              | 1   |               |
| 3    |             | Sensor, Reed Switch, Carriage Home                 | 1   |               |
| 4    |             | Mach. Screw #1-64x1/4, 18-8 Pan Hd. Phillips (SST) | 2   |               |
| 5    |             | Lock Washer #2 Internal Tooth                      | 2   |               |
| 6    |             | Nut Plate                                          | 1   |               |
| 7    | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping         | 2   |               |
| 8    | 121084      | Cut/Auto Sensor Kit (Incl. items 9-19)             | 1   |               |
| 9    |             | Cut/Auto Engage Sensor Mount                       | 1   |               |
| 10   |             | Sensor, Reed Switch, Cut Sensor                    | 1   |               |
| 11   |             | Mach. Screw #1-64x1/4, 18-8 Pan Hd. Phillips (SST) | 2   |               |
| 12   |             | Lock Washer #2 Internal Tooth                      | 2   |               |
| 13   |             | Nut Plate                                          | 1   |               |
| 14   |             | Micro Switch Insulator                             | 1   |               |
| 15   |             | Micro Switch, Pin Action                           | 1   |               |
| 16   |             | Mach. Screw #2-56x7/16 Pan Hd. Phillips            | 2   |               |
| 17   |             | Lock Washer #2 Internal Tooth                      | 2   |               |
| 18   |             | Nut Plate                                          | 1   |               |
| 19   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping         | 2   |               |
| 20   | 310208      | Inner Wireway Cover                                | 1   |               |
| 21   | 100121      | Wire Harness, Table Close Sensor                   | 1   |               |
| 22   | 100122      | Wiring Harness, Automatic Switch                   | 1   |               |
| 23   | 110226      | Clamp, Nylon Loop                                  | 2   |               |
| 24   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping         | 2   |               |
| 25   | 110107      | Harness, Reed Switch, Knife Cover Sensor           | 1   |               |
| 26   | 121082      | Capacitor Clamp Kit (Incl. items 27-29)            | 1   |               |
| 27   |             | Capacitor, Knife Motor (Use with 120V units)       | 1   |               |
| 28   | 110228      | Capacitor Clamp                                    | 1   |               |
| 29   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping         | 1   |               |
| 30   | 130225      | Power Supply Cord, 120VAC, 15A                     | 1   |               |
| 31   | 510045-01   | Sleeve, Large Diameter Wire                        | 2   |               |
| 32   | 110227      | Strain Relief, Power Cord                          | 1   |               |
| 33   | 800057      | Screw 1/4-20x.75 Hex Washer Hd Tapping             | 1   |               |
| 34   | 121080      | Ground Location Tab Kit (Incl. items 35-37)        | 1   |               |
| 35   |             | Ground Location Tab                                | 1   |               |
| 36   |             | Screw #8-32x1/2 Hex Washer Thread Form Slotted     | 1   |               |
| 37   |             | Lock Washer #8 External Tooth                      | 1   |               |
| 38   | 121088      | Automatic Control Board Kit (Incl. items 39-42)    | 1   |               |
| 39   |             | Control Board Assembly                             | 1   |               |
| 40   | 800175      | Screw #8-32x3/4 Crossed Recessed Tapping           | 4   |               |
| 41   | 810450      | Self Retaining Spacer                              | 4   |               |
| 42   | 510050      | Thermal Pad                                        | 1   |               |
| 43   | 121081      | Ribbon Cable Kit (Incl. items 44-45)               | 1   |               |
| 44   |             | Ribbon Cable Assembly                              | 1   |               |
| 45   |             | Retaining Clip, Ribbon Cable                       | 2   |               |
| 46   | 140017-01   | Circuit Breaker                                    | 1   |               |
| 47   | 100125      | Wire Harness, Circuit Breaker                      | 1   |               |
| 48   | 300063      | Electronics Cover & Gasket Kit (Incl. items 49-51) | 1   |               |
| 49   |             | Cover, Electronics                                 | 1   |               |
| 50   |             | Gasket, Electronic Cover                           | 1   |               |
| 51   | 800067      | Screw #10-24x1/2 Hex Washer Hd Tapping             | 8   |               |
| 52   | 300067      | Front Wireway Cover Kit                            | 1   |               |
| 53   |             | Cover, Front Wireway                               | 1   |               |



## Electrical Base Components

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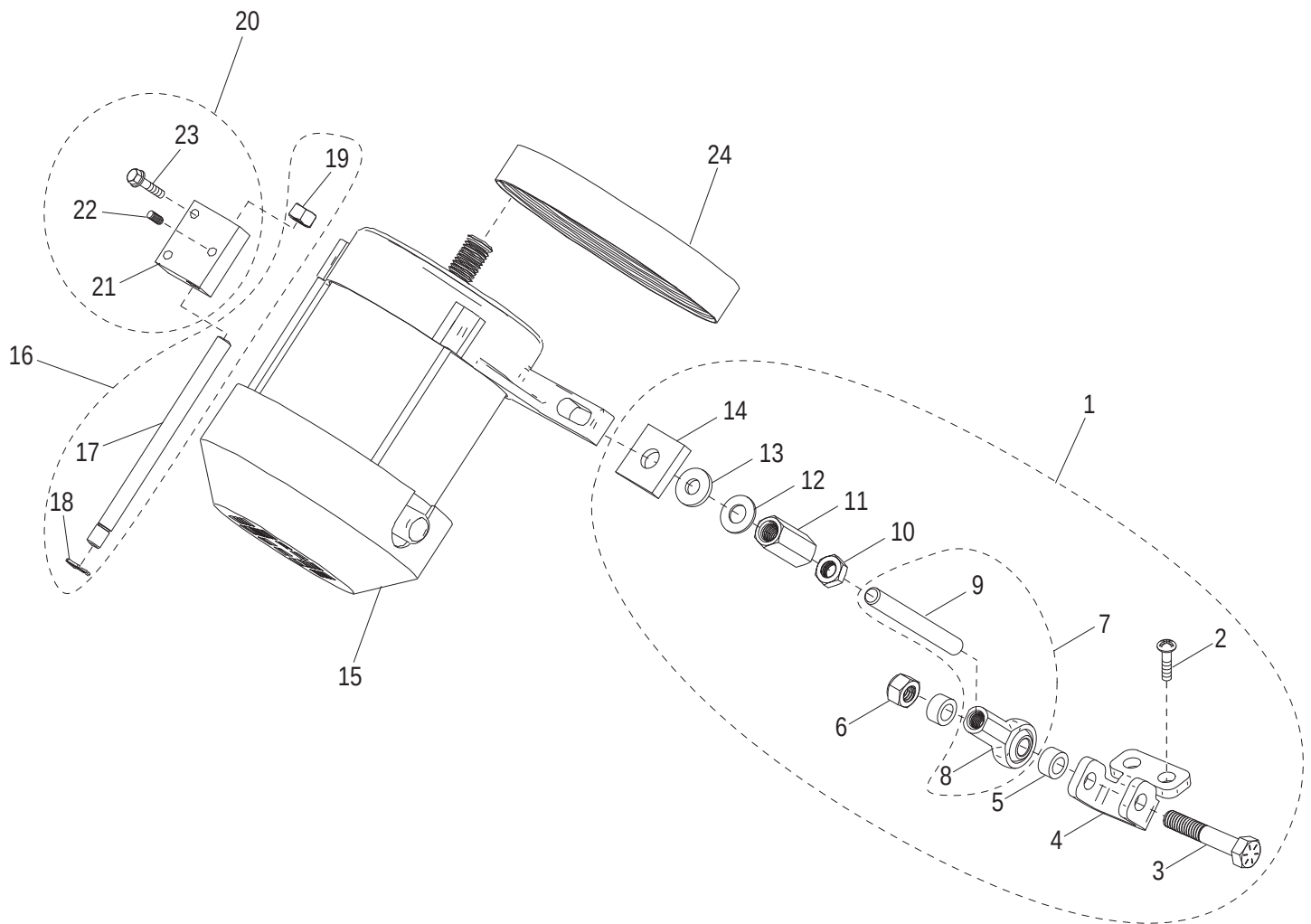
| Item | Part Number | Description                                | Qty | Serial Number |
|------|-------------|--------------------------------------------|-----|---------------|
| 54   | 800067      | Screw #10-24x1/2 Hex Washer Hd Tapping     | 2   |               |
| 55   | 510045-02   | Sleeve, Large Diameter Wire                | 1   |               |
| 56   | 300019      | Auto Engage Position Leaf Spring           | 1   |               |
| 57   | 110230      | Nylon Loop Clamp 5/16                      | 1   |               |
| 58   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping | 1   |               |
| 59   | 100120      | Wiring Harness, Carriage Tilt Sensor       | 1   |               |



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## Knife Drive Motor Components



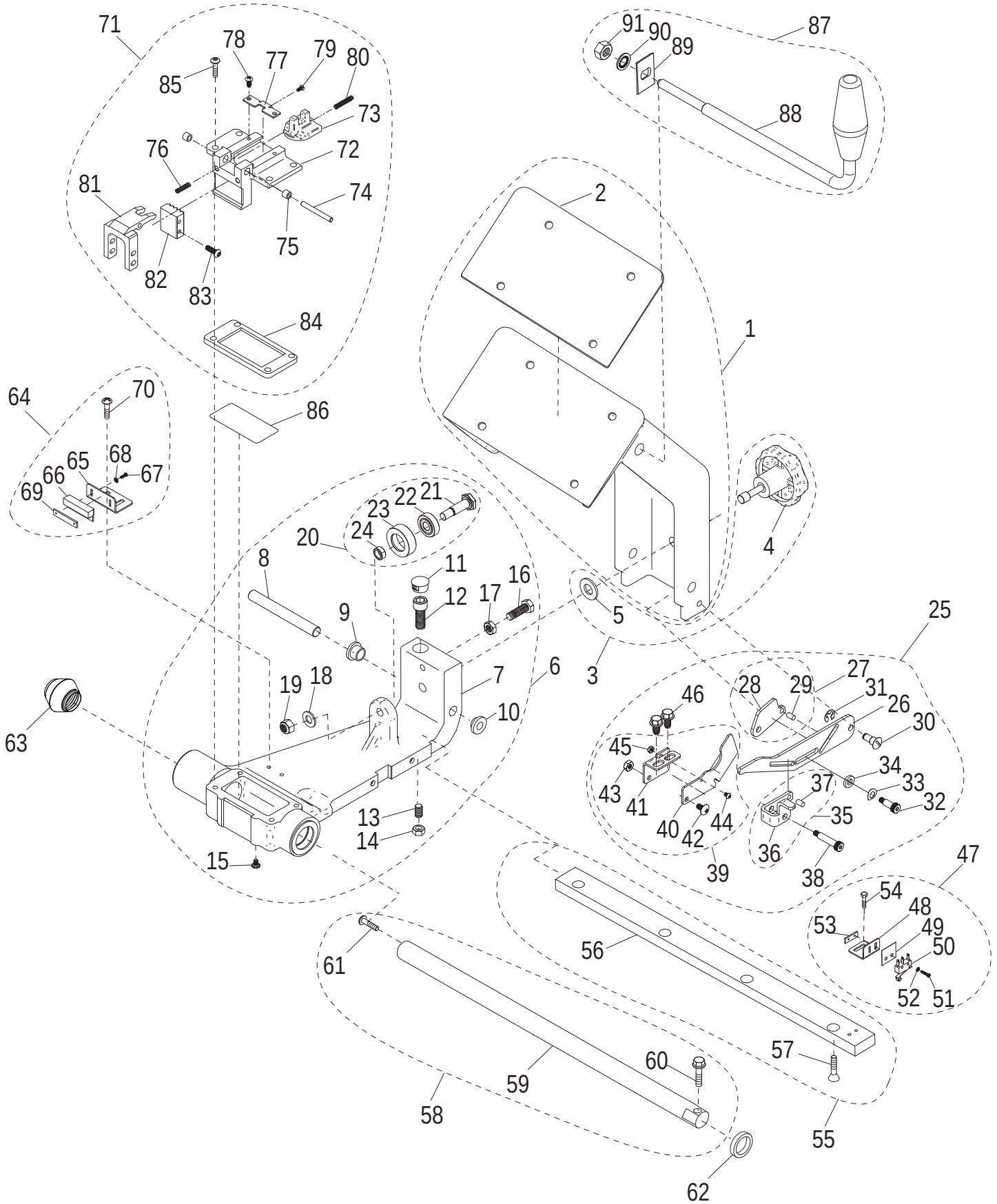


## Knife Drive Motor Components

| Item | Part Number | Description                                            | Qty | Serial Number |
|------|-------------|--------------------------------------------------------|-----|---------------|
| 1    | 400124      | Knife Tensioner Kit (Incl. items 2-14)                 | 1   |               |
| 2    | 800135      | Thread Forming Screw 1/4-20x5/8 PHP                    | 2   |               |
| 3    |             | Cap Screw 5/16-18 x 1-3/4, Grade 8 Hex Hd              | 1   |               |
| 4    |             | Knife Motor Tensioner Bracket                          | 1   |               |
| 5    |             | Sleeve Spacer                                          | 2   |               |
| 6    | 810420      | Nyloc Nut 5/16-18, Grade 5                             | 1   |               |
| 7    | 400125      | Threaded Ball Joint, Knife Tensioner (Incl. items 8-9) | 1   |               |
| 8    |             | Ball Joint Rod End 5/16"-24 Thd                        | 1   |               |
| 9    |             | Tension Shaft 5/16-24 x 3 Full Thread                  | 1   |               |
| 10   |             | Nut 5/16-24 UNF Zinc Plated Steel Hex Jam              | 1   |               |
| 11   |             | Nut 5/16-24x1 Hex Coupling                             | 1   |               |
| 12   | 810416      | Flat Washer 5/16 (Zinc)                                | 1   |               |
| 13   | 810417      | Washer 5/16 Neoprene                                   | 1   |               |
| 14   | 800161      | Washer 5/16 Leveling                                   | 1   |               |
| 15   | 120158-01   | Knife Drive Motor, Single Phase, 120V, 60Hz            | 1   |               |
| 16   | 400113      | Motor Mount Pivot Rod Assembly (Incl. items 17-19)     | 1   |               |
| 17   |             | Motor Mount Pivot Rod                                  | 1   |               |
| 18   | 810429      | Retaining Ring, 5304-31 (Klipring)                     | 1   |               |
| 19   | 810420      | Nyloc Nut 5/16-18, Grade 5                             | 1   |               |
| 20   | 400123      | Motor Pivot Block Kit (Incl. items 21-23)              | 1   |               |
| 21   |             | Motor Pivot Block                                      | 1   |               |
| 22   | 800094      | Set Screw #10-32x1/4, Knurl-Grip Cup Pt.               | 1   |               |
| 23   | 800068      | Washer #10-24x1 Hex Hd Tap. Screw Slotted              | 2   |               |
| 24   | 800092      | Knife Drive Belt                                       | 1   |               |



## Transport Arm Assembly Components







## Transport Arm Assembly Components

| Item | Part Number | Description                                        | Qty | Serial Number |
|------|-------------|----------------------------------------------------|-----|---------------|
| 1    | 400129      | Carriage Arm & Gasket Kit (Incl. item 2)           | 1   |               |
| 2    | 500004      | Carriage Arm Gasket                                | 1   |               |
| 3    | 500052      | Carriage Knob & Captive Clip Kit (Incl. items 4-5) | 1   |               |
| 4    |             | Carriage Arm Tie Down Knob                         | 1   |               |
| 5    | 800180      | Washer, Nylon                                      | 1   |               |
| 6    | 400115      | Transport Replacement Assembly (Incl. items 7-24)  | 1   |               |
| 7    |             | Transport with Bushings                            | 1   |               |
| 8    | 400017      | Transport Attachment Pin                           | 1   |               |
| 9    |             | Shoulder Washer .51 IDx.88 Nylon                   | 1   |               |
| 10   |             | Shoulder Washer .51 IDx1.125 Nylon                 | 1   |               |
| 11   |             | Dome Plug for 5/8 Hole                             | 1   |               |
| 12   |             | Socket Hd Cap Screw 3/8-16 x 1 (SST)               | 1   |               |
| 13   | 800015      | Transport Tie Down Screw                           | 1   |               |
| 14   | 800048      | Nut 5/16-24 Hex UNF Thread (Zinc Plated Steel)     | 1   |               |
| 15   |             | Mach. Sealing Screw 8-32x1/4 PH Phillips           | 1   |               |
| 16   | 810406      | Hex Cap Screw 5/16-24x1.18-8 (SST)                 | 1   |               |
| 17   |             | Shoulder Washer .51 IDx1.125 Nylon                 | 1   |               |
| 18   | 810272      | Flat Washer 5/16 Screw Size (SST)                  | 1   |               |
| 19   | 810420      | Nyloc Nut 5/16-18, Grade 5                         | 1   |               |
| 20   | 800014      | Roller Bearing Assembly (Incl. items 21-24)        | 1   |               |
| 21   |             | Roller Bearing Bolt                                | 1   |               |
| 22   |             | Roller Bearing                                     | 1   |               |
| 23   |             | Bearing Sleeve                                     | 1   |               |
| 24   |             | Spacer Sleeve                                      | 1   |               |
| 25   | 300061      | Table Interlock Kit (Incl. items 26-45)            | 1   |               |
| 26   |             | Transport Slide Lock Plate                         | 1   |               |
| 27   |             | Lock Plate Assembly (Incl. items 28-29)            | 1   |               |
| 28   |             | Lock Plate                                         | 1   |               |
| 29   |             | Dowel Pin, 5/32 x 5/16 (SST)                       | 1   |               |
| 30   |             | Reverse Shoulder Bolt                              | 1   |               |
| 31   |             | E-Clip Retaining Ring for 1/4" Shaft               | 1   |               |
| 32   |             | Shoulder Bolt 1/4" x 1/2", #10-32 Thread           | 1   |               |
| 33   |             | Curved Disk Spring .265 ID, .490 OD, .011 Thick    | 1   |               |
| 34   |             | Washer, Nylon .265 ID, .50 OD, .094 Thick          | 1   |               |
| 35   |             | Cam Lock Plate Assembly (Incl. items 36-37)        | 1   |               |
| 36   |             | Cam Lock Plate                                     | 1   |               |
| 37   |             | Dowel Pin, 5/32 x 5/16 (SST)                       | 1   |               |
| 38   |             | Shoulder Bolt 1/4" x 1", #10-32 Thread             | 1   |               |
| 39   |             | Lock Out Assembly (Incl. items 40-45)              | 1   |               |
| 40   |             | Pivot Stop Plate                                   | 1   |               |
| 41   |             | Slide Pivot Plate Bracket                          | 1   |               |
| 42   | 810457      | Mach. Screw, #10-32 x 1/2 Phil Truss               | 1   |               |
| 43   |             | Nut #10-32 Thin Nylon Lock Hex                     | 1   |               |
| 44   |             | Mach. Screw #5-40 x 1/2 Button Socket Cap          | 1   |               |
| 45   | 800170      | Hex Nut, Nylon Lock #5-40                          | 1   |               |
| 46   | 800057      | Screw 1/4-20x.75 Hex Washer Hd Tapping             | 2   |               |
| 47   | 121089      | Carriage Tilt Switch Kit (Incl. items 48-54)       | 1   |               |
| 48   |             | Carriage Tilt Back Sensor Mount                    | 1   |               |
| 49   |             | Micro Switch Insulator                             | 1   |               |
| 50   |             | Micro Switch                                       | 1   |               |
| 51   |             | Mach. Screw #2-56x7/16 Pan Hd. Phillips            | 2   |               |
| 52   |             | Lock Washer #2 Internal Tooth                      | 2   |               |
| 53   |             | Nut Plate                                          | 1   |               |



## Transport Arm Assembly Components

| Item | Part Number | Description                                               | Qty | Serial Number |
|------|-------------|-----------------------------------------------------------|-----|---------------|
| 54   | 800099      | Mach. Screw #8-32x3/8 Hex Hd                              | 2   |               |
| 55   | 400131      | Transport Roller Bar Kit (Incl. items 56-57)              | 1   |               |
| 56   |             | Transport Roller Bar                                      | 1   |               |
| 57   | 810004      | Tapping Screw 1/4-20x1 Cross Rec. FH                      | 1   |               |
| 58   | 400132      | Transport Shaft Kit (Incl. items 59-61)                   | 1   |               |
| 59   |             | Transport Shaft                                           | 1   |               |
| 60   | 800059      | Washer 5/16-18x1.25 Hex Hd Tapping Screw                  | 1   |               |
| 61   | 800071      | Mach. Screw 5/16-18x1 Truss Hd Slotted                    | 1   |               |
| 62   | 500005      | Transport Bumper                                          | 1   |               |
| 63   | 800131      | Sleeved Spring Assembly                                   | 1   |               |
| 64   | 121090      | Carriage Magnet Kit (Incl. items 65-70)                   | 1   |               |
| 65   |             | Transport Switch Magnet Mount                             | 1   |               |
| 66   |             | Magnet                                                    | 1   |               |
| 67   |             | Mach. Screw #1-64x1/4, 18-8 Pan Hd. Phillips (SST)        | 2   |               |
| 68   |             | Lock Washer #2 Internal Tooth                             | 2   |               |
| 69   |             | Nut Plate                                                 | 1   |               |
| 70   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping                | 2   |               |
| 71   | 400130      | Auto Engage Pickup Kit (Incl. items 72-85)                | 1   |               |
| 72   |             | Transport Auto Engage                                     | 1   |               |
| 73   |             | Auto Engage Slide                                         | 1   |               |
| 74   |             | Auto Engage Pivot Dowel                                   | 1   |               |
| 75   |             | Sleeve Bushing                                            | 1   |               |
| 76   |             | Clamp Release Spring                                      | 1   |               |
| 77   |             | Auto Engage Spring Stop Bracket                           | 1   |               |
| 78   | 800069      | Screw #8-32x3/8 Cross Rec. Pan Hd. Tapping                | 1   |               |
| 79   | 810423      | Mach. Screw #4-40 x 1/4, 18-8 PH Cr (SST)                 | 1   |               |
| 80   |             | Slide Spring                                              | 1   |               |
| 81   |             | Auto Engage Pivot Lever                                   | 1   |               |
| 82   |             | Auto Engage Belt Clamp                                    | 1   |               |
| 83   | 800105      | Socket Cap Screw #10-32x5/8 Button-Hd                     | 1   |               |
| 84   | 510058      | Oil Well Gasket                                           | 1   |               |
| 85   | 800109      | Screw 1/4-20x.50 Button Hd Cap                            | 4   |               |
| 86   | 800053      | Felt Insert                                               | 1   |               |
| 87   | 400114      | Carriage Arm Handle Assembly with Nut (Incl. items 88-91) | 1   |               |
| 88   |             | Carriage Arm Handle                                       | 1   |               |
| 89   | 400155      | Anti Rotation Block                                       | 1   |               |
| 90   | 810226      | Lock Washer, 1/2 Screw Size, Internal Tooth               | 1   |               |
| 91   | 810224      | Hex Nut, 1/2-13 Left Hand, Thread                         | 1   |               |

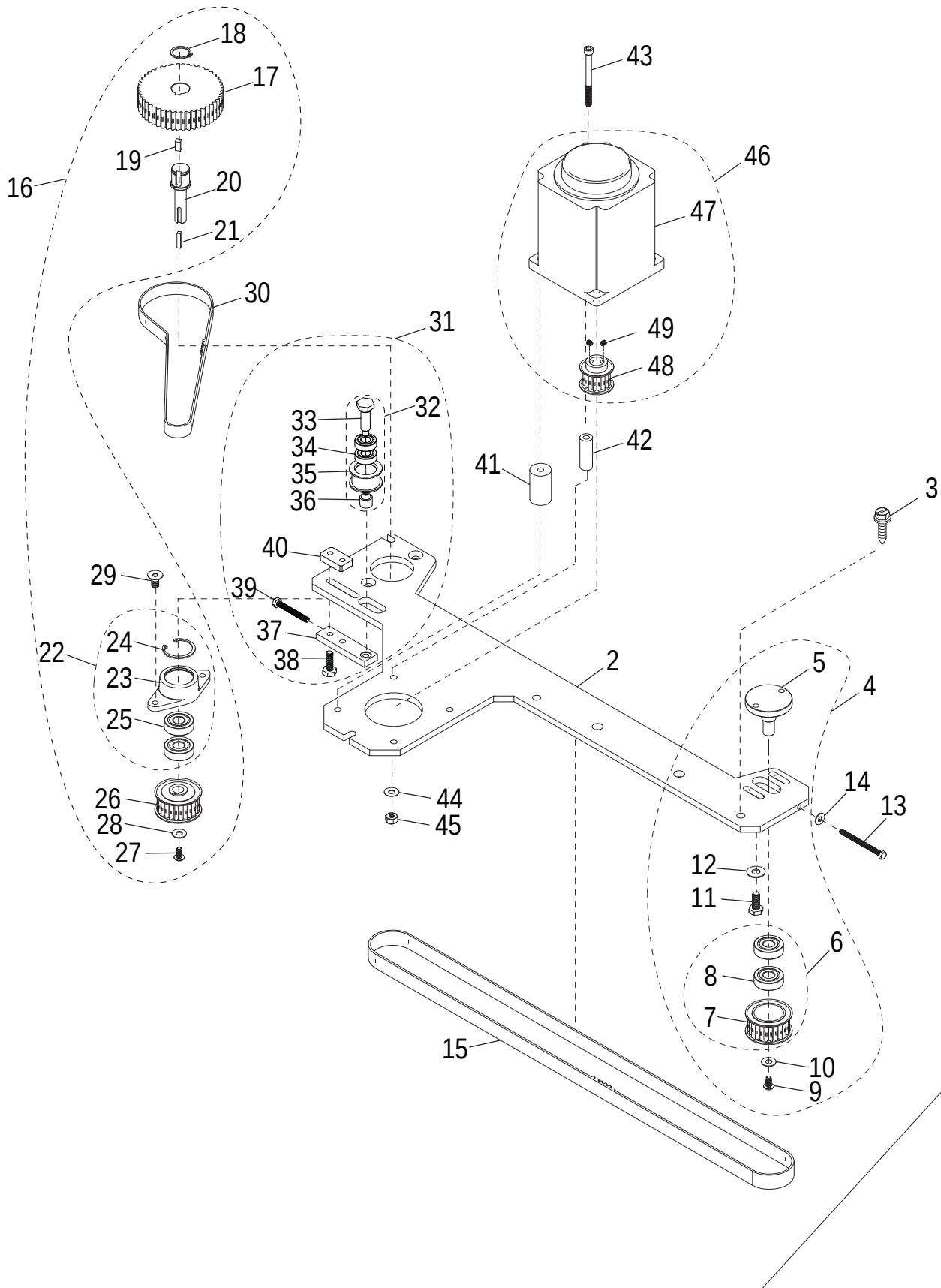


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## Automatic Drive Assembly Components

Item 1  
Automatic Drive Kit



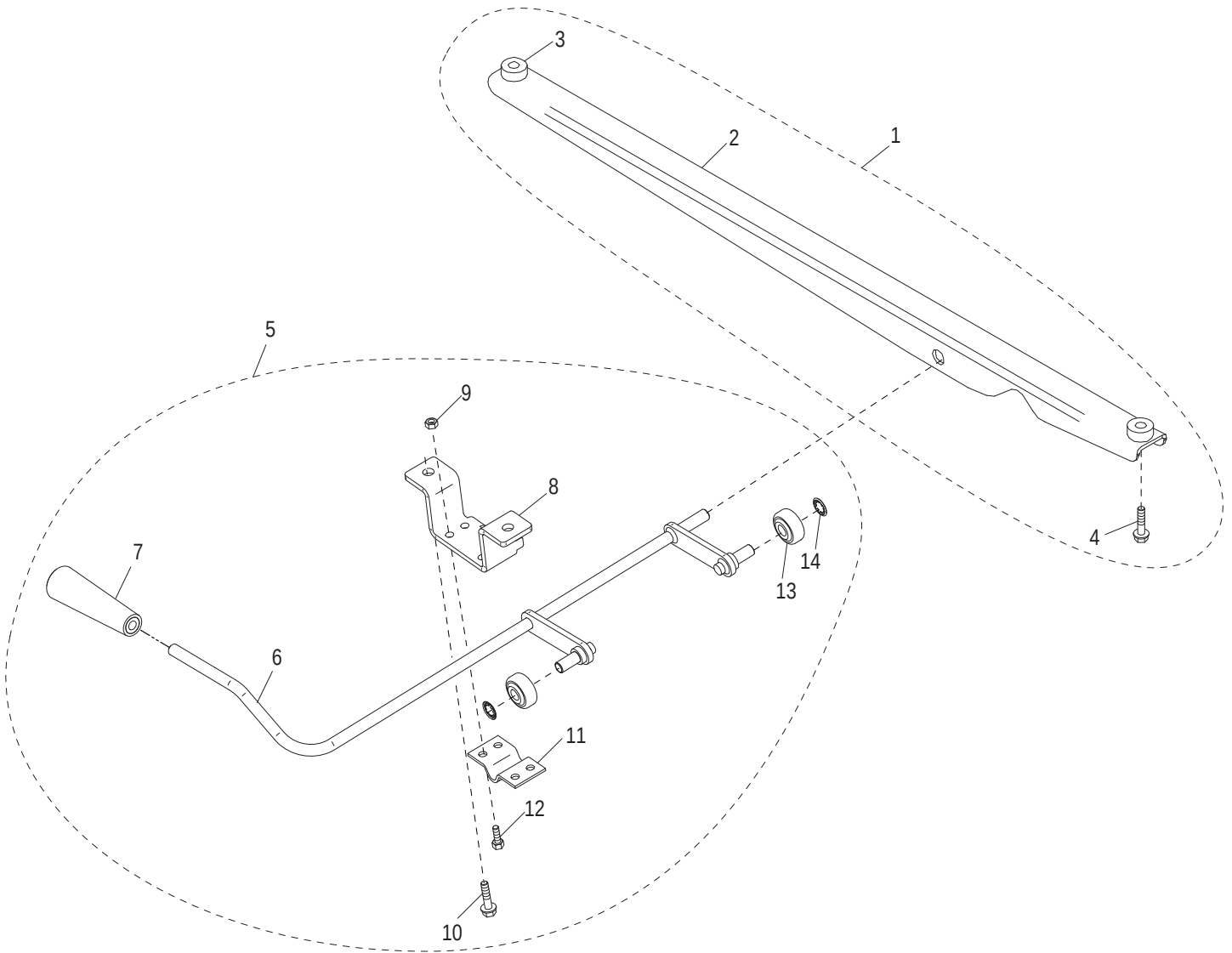


## Automatic Drive Assembly Components

| Item | Part Number | Description                                      | Qty | Serial Number |
|------|-------------|--------------------------------------------------|-----|---------------|
| 1    | 400133      | Automatic Drive Kit (Incl. items 2-49)           | 1   |               |
| 2    |             | Automatic Base Plate                             | 1   |               |
| 3    | 800057      | Screw 1/4-20x.75 Hex Washer Hd Tapping           | 4   |               |
| 4    | 400143      | Idler Assembly Kit (Incl. items 5-12)            | 1   |               |
| 5    |             | Pulley Shaft                                     | 1   |               |
| 6    | 450097      | Idler Assembly (Incl. items 7-8)                 | 1   |               |
| 7    |             | Idler Pulley (24 Tooth)                          | 1   |               |
| 8    |             | Bearing 6000 Double Seal                         | 2   |               |
| 9    | 800077      | Mach. Screw #10-24x3/8 Button Hd Cap (SST)       | 1   |               |
| 10   | 800076      | Washer #10 Flat (18-8 SST)                       | 1   |               |
| 11   | 800072      | Bolt 1/4-20x5/8' Hex                             | 2   |               |
| 12   |             | Washer 1/4 Flat                                  | 2   |               |
| 13   | 800088      | Mach. Screw #8-32x2 Hex Hd (SS)                  | 1   |               |
| 14   | 870072      | #8 Flat Washer, SST                              | 1   |               |
| 15   | 800008      | Automatic Driven Belt                            | 1   |               |
| 16   | 400141      | 48/24 Tooth Drive Pulley Kit (Incl. items 17-29) | 1   |               |
| 17   |             | Drive Pulley (48 Tooth)                          | 1   |               |
| 18   |             | Retaining Ring 5100-62 External                  | 1   |               |
| 19   |             | Key, 3/16x3/16 Drive                             | 1   |               |
| 20   |             | Shaft, Dual Pulley                               | 1   |               |
| 21   |             | Key, 1/8x1/8 Drive                               | 1   |               |
| 22   | 450096      | Bearing Block Assembly (Incl. items 23-25)       | 1   |               |
| 23   |             | Bearing Block                                    | 1   |               |
| 24   |             | Retaining Ring N5002-102 Internal                | 1   |               |
| 25   |             | Bearing 6000 Double Seal                         | 2   |               |
| 26   | 450093      | Drive Pulley (24 Tooth)                          | 1   |               |
| 27   | 800077      | Mach. Screw #10-24x3/8 Button Hd Cap (SST)       | 1   |               |
| 28   | 800076      | Washer #10 Flat (18-8 SST)                       | 1   |               |
| 29   |             | Screw 1/4-20x1/2 Socket Flat Countersunk Hd Cap  | 2   |               |
| 30   | 800009      | Automatic Drive Belt                             | 1   |               |
| 31   | 400154      | Belt Tension Kit (Incl. items 32-40)             | 1   |               |
| 32   | 400151      | Belt Tensioner Assembly                          | 1   |               |
| 33   |             | Tension Pulley Shaft                             | 1   |               |
| 34   |             | Bearing, Tension                                 | 2   |               |
| 35   |             | Tension Sleeve                                   | 1   |               |
| 36   |             | Spacer                                           | 1   |               |
| 37   |             | Tensioner Bar                                    | 1   |               |
| 38   | 810006      | Screw 1/4-20x3/4                                 | 2   |               |
| 39   | 810007      | Screw, Machine #10-32x1-1/2 Hx Hd Drive          | 1   |               |
| 40   | 400150      | Nut Plate                                        | 1   |               |
| 41   | 450090      | Standoff, Automatic Motor                        | 3   |               |
| 42   | 450091      | Standoff, Automatic Motor                        | 1   |               |
| 43   | 800074      | Screw #10-24x2.25 Socket Hd Cap                  | 4   |               |
| 44   | 800076      | Washer #10 Flat (18-8 SST)                       | 4   |               |
| 45   | 800075      | Nut #10-24 Hex                                   | 4   |               |
| 46   | 400144      | Carriage Drive Motor Kit (Incl. items 46-49)     | 1   |               |
| 47   | 120160      | Carriage Drive Motor (BLDC)                      | 1   |               |
| 48   |             | Motor Drive Pulley (16 Tooth)                    | 1   |               |
| 49   | 800091      | Set Screw #8-32 x 3/16 Knurled Grip - Cup Pt.    | 2   |               |



## Automatic Lift Lever Base Components





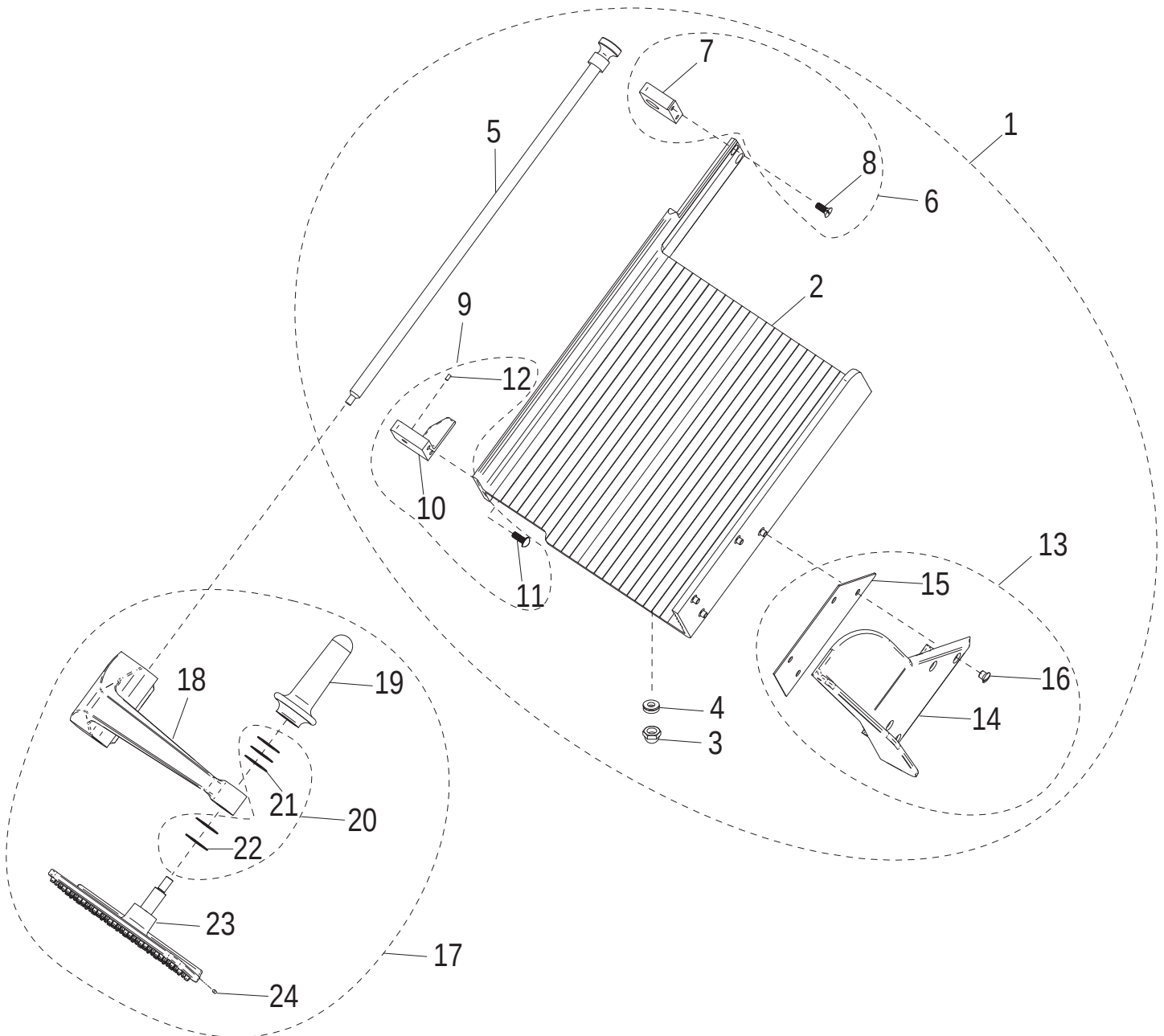
## Automatic Lift Lever Base Components

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| Item | Part Number | Description                                     | Qty | Serial Number |
|------|-------------|-------------------------------------------------|-----|---------------|
| 1    | 300066      | Lift Lever Base Support Kit (Incl. items 2-4)   | 1   |               |
| 2    |             | Lift Lever Base Support                         | 1   |               |
| 3    | 400037      | Lift Lever Base Support Post                    | 2   |               |
| 4    | 800057      | Screw 1/4-20x.75 Hex Washer Hd Tapping          | 2   |               |
| 5    | 400134      | Lift Lever Assembly Kit (Incl. items 6-14)      | 1   |               |
| 6    |             | Lift Lever Weldment                             | 1   |               |
| 7    | 500031      | Lift Lever Handle                               | 1   |               |
| 8    |             | Lift Lever Support & Stop                       | 1   |               |
| 9    | 810438      | Nylon-Insert Nut 1/4-20 Grade 5 Stl Zinc Plated | 4   |               |
| 10   | 800058      | Washer 5/16-18-1 Hex Hd Tapping Screw           | 2   |               |
| 11   |             | Lift Lever Bracket                              | 1   |               |
| 12   | 800072      | Bolt 1/4-20x5/8" Hex                            | 4   |               |
| 13   |             | Lift Lever Roller                               | 2   |               |
| 14   |             | Retaining Ring 5115-37 Push-On External         | 2   |               |



## Carriage and End Weight Assembly Components





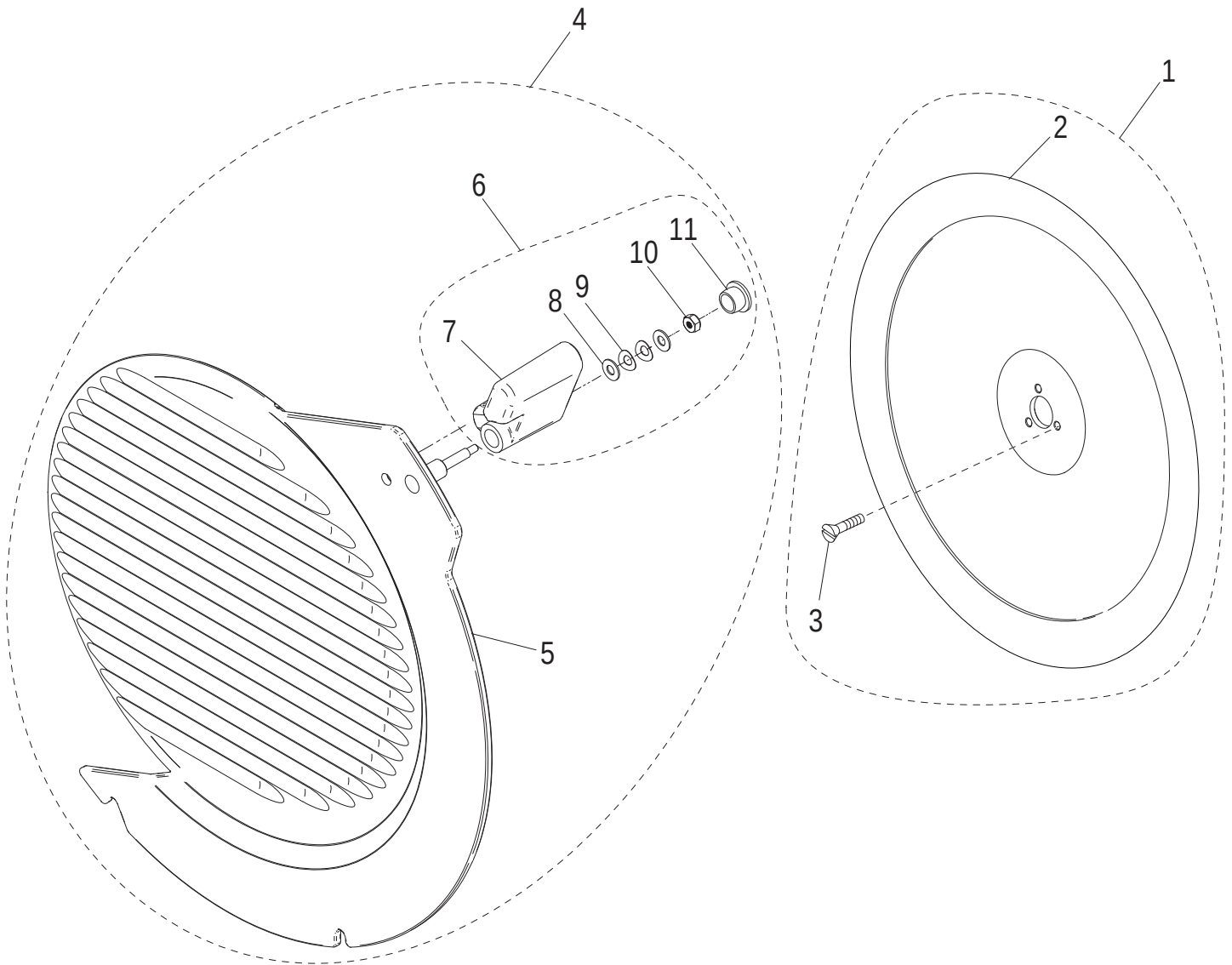


## Carriage and End Weight Assembly Components

| Item | Part Number | Description                                    | Qty | Serial Number |
|------|-------------|------------------------------------------------|-----|---------------|
| 1    | 400138      | Carriage Assembly Kit (Incl. items 2-16)       | 1   |               |
| 2    | 400012      | Carriage Insert Assembly                       | 1   |               |
| 3    | 820002      | Nut, Acorn 1/4-10 UNC Zinc Plated Steel        | 4   |               |
| 4    | 800085      | Washer 1/4" Screw, Self Aligning               | 4   |               |
| 5    | 450158      | End Weight Shaft Assembly                      | 1   |               |
| 6    | 400135      | Rod Mount Kit End Weight (Incl. items 7-8)     | 1   |               |
| 7    |             | End Weight Rod Mount                           | 1   |               |
| 8    | 800037      | Mach. Screw 1/4-20 x 5/8 FH Slotted            | 2   |               |
| 9    | 400136      | End Weight Stop Kit (Incl. items 10-12)        | 1   |               |
| 10   |             | End Weight Stop                                | 1   |               |
| 11   | 800038      | Mach. Screw 1/4-20 x 5/8 RH Slotted            | 2   |               |
| 12   | 800047      | Delrin 1/8 Dia x 3/8 Pin                       | 1   |               |
| 13   | 500046      | Thumb Guard Assembly (Incl. items 14-16)       | 1   |               |
| 14   |             | Carriage Thumb Guard                           | 1   |               |
| 15   | 510038      | Carriage Thumb Guard Gasket                    | 1   |               |
| 16   | 810366      | Thumb Guard Screw                              | 4   |               |
| 17   | 500027      | End Weight Assembly (Incl. items 18-24)        | 1   |               |
| 18   | 420065      | End Weight Arm Assembly                        | 1   |               |
| 19   | 500024      | End Weight Handle                              | 1   |               |
| 20   | 800164      | End Weight Face Washer Kit (Incl. items 21-22) | 1   |               |
| 21   |             | Washer .04 mm thick End Weight Face            | 1   |               |
| 22   |             | Washer .01 mm thick End Weight Face            | 4   |               |
| 23   | 500007      | Molded End Weight Assembly                     | 1   |               |
| 24   | 800047      | Delrin 1/8 Dia x 3/8 Pin                       | 1   |               |



## Knife and Knife Cover Components





## Knife and Knife Cover Components

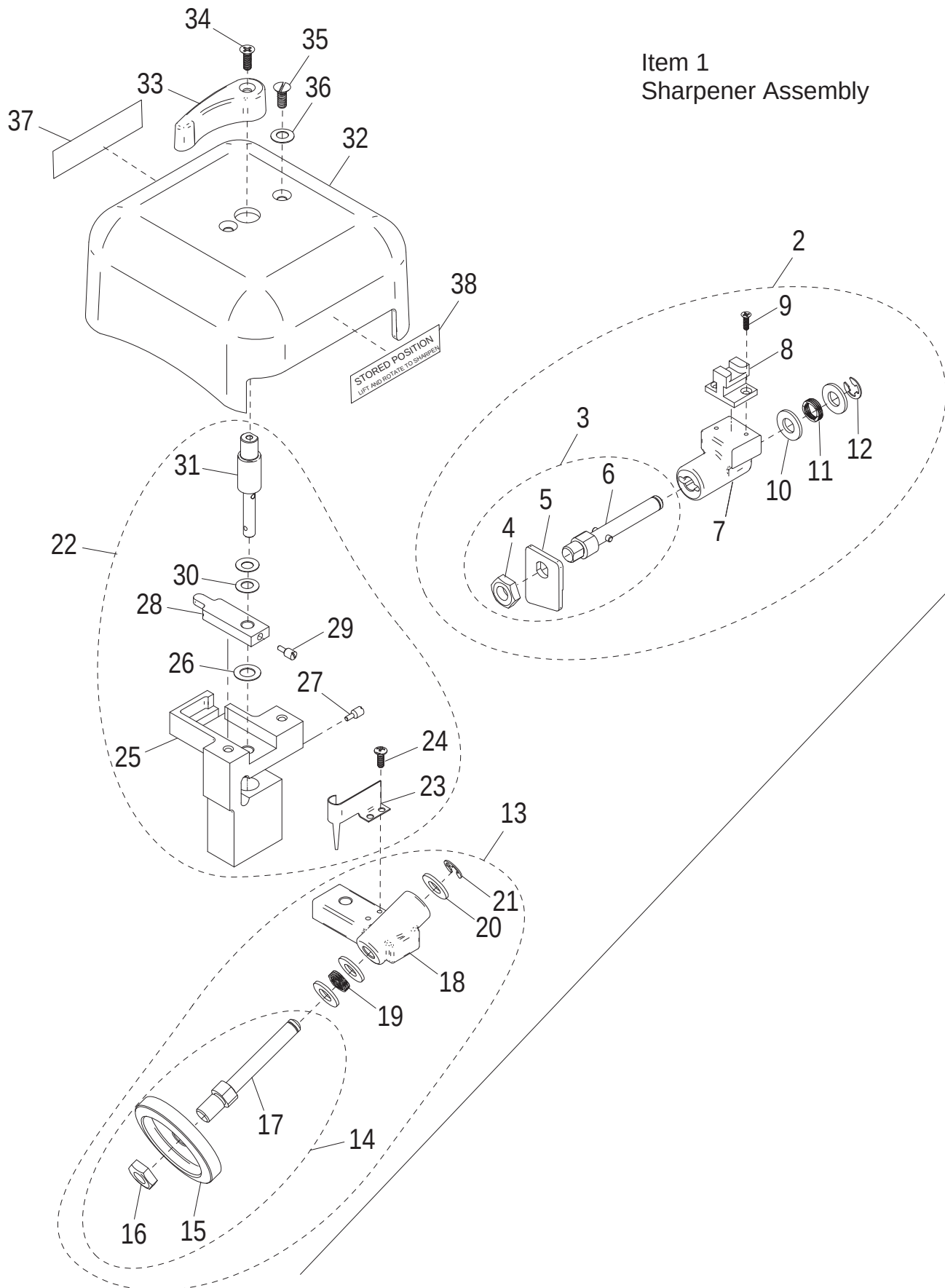
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| Item | Part Number | Description                                         | Qty | Serial Number |
|------|-------------|-----------------------------------------------------|-----|---------------|
| 1    | 400139      | Knife Kit (Incl. items 2-3)                         | 1   |               |
| 2    |             | Knife, 13 Inch (SST)                                | 1   |               |
| 3    | 810274      | Mach. Screw, Flat Hd Slotted 10-32x1/2 (SST)        | 3   |               |
| 4    | 250247      | Knife Cover Assembly (Incl. items 5-11)             | 1   |               |
| 5    | 460090      | Knife Cover Sub-Assembly                            | 1   |               |
| 6    | 500045      | Knife Cover Swivel Lock Assembly (Incl. items 7-11) | 1   |               |
| 7    |             | Knife Cover Swivel Lock                             | 1   |               |
| 8    |             | Flat Washer #10 Thin Profile                        | 2   |               |
| 9    |             | Curved Disk Spring                                  | 2   |               |
| 10   |             | Nut, 6-32 INC-2B Hex, with Nylon Insert             | 1   |               |
| 11   | 520237      | Barrel Plug, Push-In                                | 1   |               |



## Sharpener Assembly Components

Item 1  
Sharpener Assembly





## Sharpener Assembly Components

| Item | Part Number | Description                                         | Qty | Serial Number |
|------|-------------|-----------------------------------------------------|-----|---------------|
| 1    | 440044      | Sharpener Assembly (Incl. items 2-35)               | 1   |               |
| 2    | 430051      | Honing Stone Assembly (Incl. items 3-12)            | 1   |               |
| 3    |             | Honing Stone Shaft Assembly (Incl. items 4-6)       | 1   |               |
| 4    | 890390      | Jam Nut 3/8-24 Sharpener Wheel                      | 1   |               |
| 5    | 240045      | Honing Stone                                        | 1   |               |
| 6    |             | Honing Stone Shaft Assembly                         | 1   |               |
| 7    |             | Honing Stone Bracket                                | 1   |               |
| 8    |             | Honing Stone Slide                                  | 1   |               |
| 9    |             | Mach. Screw 4-40x3/8 FH Phillips                    | 2   |               |
| 10   | 810272      | Flat Washer 5/16 Screw Size (SST)                   | 2   |               |
| 11   |             | Wave Spring, Honing Stone                           | 1   |               |
| 12   |             | Retaining Ring, Type E, for 5/16 Shaft              | 1   |               |
| 13   | 430052      | Sharpening Stone Assembly (Incl. items 14-21)       | 1   |               |
| 14   |             | Sharpening Stone Shaft Assembly (Incl. items 15-17) | 1   |               |
| 15   | 410048      | CBN Sharpening Stone                                | 1   |               |
| 16   |             | Hex Nut 3/8-24 UNF-2B                               | 1   |               |
| 17   |             | Sharpening Stone Shaft                              | 1   |               |
| 18   |             | Sharpening Stone Bracket                            | 1   |               |
| 19   |             | Wave Spring, Sharpening Stone                       | 1   |               |
| 20   | 810272      | Flat Washer 5/16 Screw Size (SST)                   | 3   |               |
| 21   |             | Retaining Ring, Type E, for 5/16 Shaft              | 1   |               |
| 22   | 400137      | Sharpener Mount Center Kit (Incl. items 23-31)      | 1   |               |
| 23   |             | Sharpener Return Spring                             | 1   |               |
| 24   |             | Mach. Screw 6-32x3/8 Pan Hd Cross-Rec.              | 2   |               |
| 25   |             | Sharpener Center Mount                              | 1   |               |
| 26   | 810437      | Flat Washer                                         | 1   |               |
| 27   |             | Slotted Set Screw 10-32 Sharpener Actuator          | 1   |               |
| 28   |             | Honing Stone Lever                                  | 1   |               |
| 29   |             | Slotted Set Screw 10-32 Sharpener Actuator          | 1   |               |
| 30   | 810275      | Bellville Disc Spring Washer .255 ID x .50 OD       | 2   |               |
| 31   |             | Sharpener Handle Rod                                | 1   |               |
| 32   | 250069      | Sharpener Cover                                     | 1   |               |
| 33   | 510041      | Top Section, Sharpener Handle                       | 1   |               |
| 34   | 810233      | Mach. Screw 8-32x1/2 Black, Phillips, w/Nylon Patch | 1   |               |
| 35   | 810247      | Mach. Screw, Truss Hd Slotted 10-32x5/8 (SST)       | 2   |               |
| 36   |             | Curved Disk Spring                                  | 2   |               |
| 37   | 920215      | Label, Sharpen Position                             | 1   |               |
| 38   | 920216      | Label, Stored Position                              | 1   |               |



## Wiring Schematic

