



**JWL-1840EVS**

**WOOD LATHE**

**JWL-1840EVS-M...719600M...**  
**1~ 230V, 50Hz**

## **PARTS LIST**

**JPW (Tool) AG**

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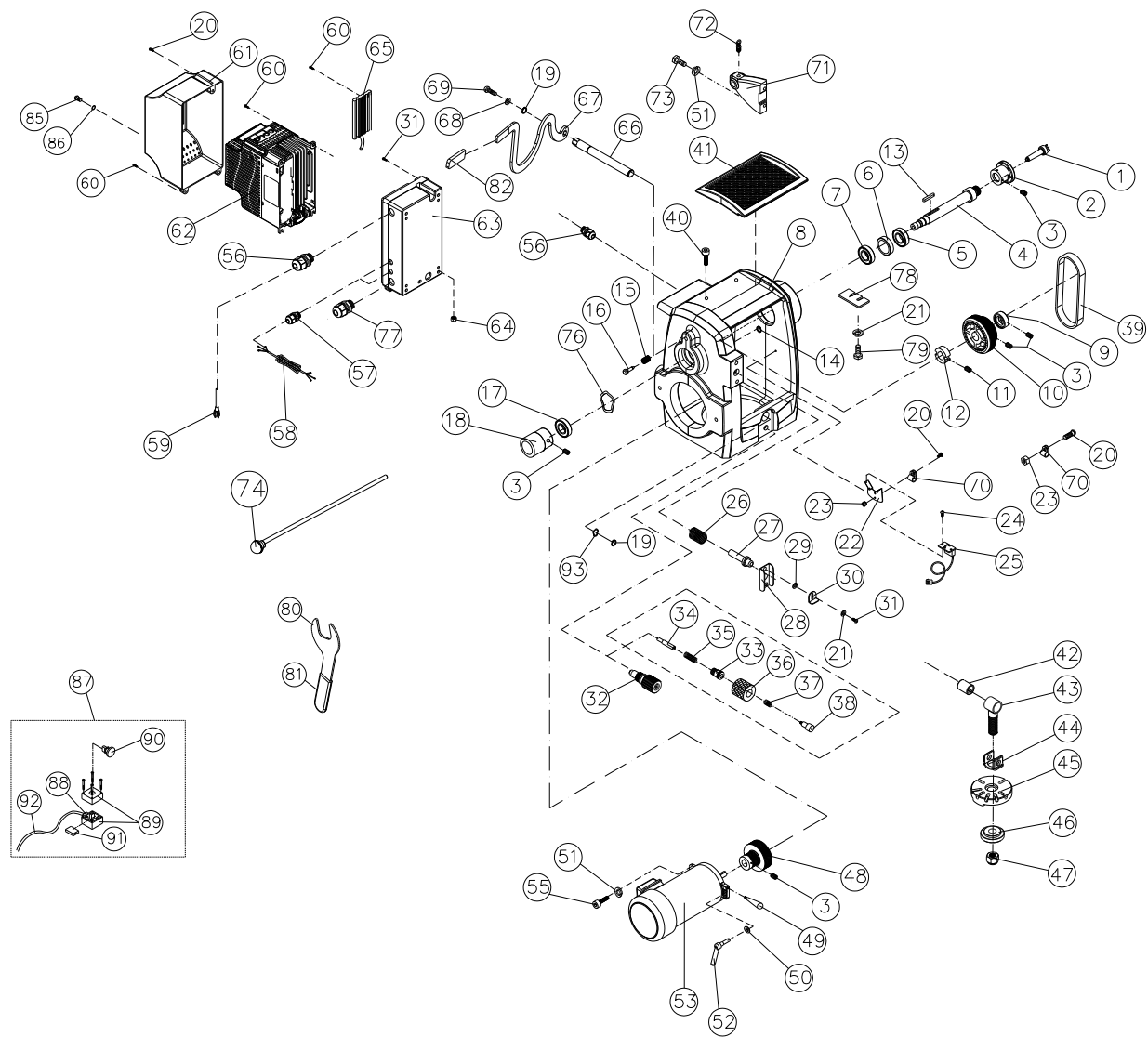
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P-719600M 2016-10

## JWL-1840EVS Headstock Assembly – Exploded View

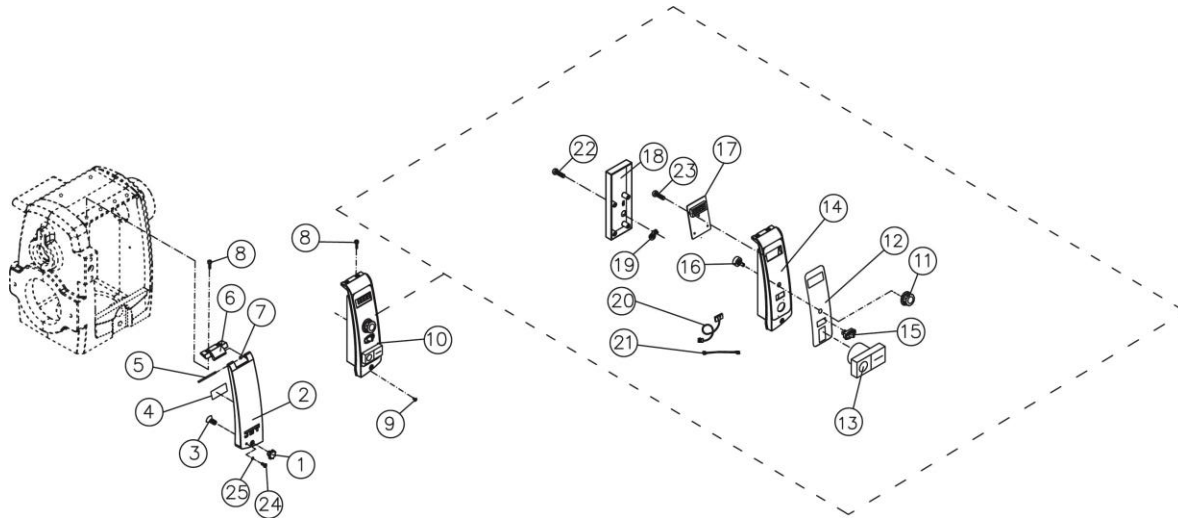


## JWL-1840EVS Headstock Assembly – Parts List

| Index No. | Part No.           | Description                               | Size           | Qty |
|-----------|--------------------|-------------------------------------------|----------------|-----|
| 1         | JWL1642-102        | Spur Center                               | MT2            | 1   |
| 2         | 6294736E           | Faceplate                                 | 3"             | 1   |
| 3         | 6295796            | Nylon Insert Socket Set Screw             | 1/4"-20x3/8"   | 10  |
| 4         | JWL1640EVS-104E    | Spindle                                   |                | 1   |
| 5         | BB-6207VV          | Bearing                                   | 6207LLB        | 1   |
| 6         | 3520B-208          | Bushing                                   |                | 1   |
| 7         | BB-6207ZZ          | Bearing                                   | 6207ZZ         | 1   |
| 8         | JWL1840EVS-108E    | Headstock Casting                         |                | 1   |
| 9         | JWL1640EVS-109     | Sensor Collar                             |                | 1   |
| 10        | JWL1640EVS-110     | Spindle Pulley                            |                | 1   |
| 11        | TS-0270031         | Set Screw                                 | 5/16"-18x3/8"  | 2   |
| 12        | JWL1642-174        | Locking Collar                            |                | 1   |
| 13        | JWL1640EVS-113     | Key                                       | 8x8x90         | 1   |
| 14        | JWL1640EVS-114     | C-Ring                                    | S-8            | 1   |
| 15        | JWL1640EVS-115     | Spring                                    |                | 1   |
| 16        | JWL1640EVS-116     | Index Pin                                 |                | 1   |
| 17        | BB-6205ZZ          | Bearing                                   | 6205ZZ         | 1   |
| 18        | JWL1640EVS-118     | Handwheel                                 |                | 1   |
| 19        | JWL1640EVS-119     | C-Ring                                    | S-19           | 2   |
| 20        | TS-081C052         | Pan Head Screw                            | #10-24x3/4"    | 4   |
| 21        | TS-069204          | Flat Washer                               | #10            | 3   |
| 22        | JWL1640EVS-122     | Cover for Sensor                          |                | 1   |
| 23        | TS-0560071         | Hex Nut                                   | #10-24         | 3   |
| 24        | TS-2283102         | Pan Head Screw                            | M3x10          | 2   |
| 25        | JWL1640EVS-125     | Sensor for Spindle                        |                | 1   |
| 26        | JWL1442-116        | Spring                                    |                | 1   |
| 27        | JWL1640EVS-127     | Spindle Lock Pin                          |                | 1   |
| 28        | JWL1442-121        | Bracket                                   |                | 1   |
| 29        | 4224B-143          | Wear Resistant Washer                     |                | 1   |
| 30        | 4224B-1122E        | Sliding Plate                             |                | 1   |
| 31        | TS-0253031         | Socket Head Button Screw                  | #10-24x1/2"    | 6   |
| 32        | JWL1640EVS-PPA     | Pivot Pin Assembly (includes #33 thru 38) |                | 1   |
| 33        | JWL1442-176        | Index Bushing                             |                | 1   |
| 34        | JWL1640EVS-134     | Pivot Index Pin                           |                | 1   |
| 35        | JWL1442-175        | Spring                                    |                | 1   |
| 36        | JWL1442-173        | Index Knob                                |                | 1   |
| 37        | JWL1442-172        | Spring                                    |                | 1   |
| 38        | JWL1440-177        | Socket Head Cap Screw                     |                | 1   |
| 39        | JWL1840EVS-139     | Belt                                      | 220J-8         | 1   |
| 40        | JWL1640EVS-140     | Socket Head Cap Screw                     | 10#-24x1/4"    | 2   |
| 41        | JWL1640EVS-141     | Cushion                                   |                | 1   |
| 42        | JWL1442-127        | Bushing                                   |                | 1   |
| 43        | JWL1442-128A       | Bolt                                      |                | 1   |
| 44        | JWL1442-129        | Support Bracket                           |                | 1   |
| 45        | JWL1440-133        | Index Bracket                             |                | 1   |
| 46        | JWL1442-154        | Clamp                                     |                | 1   |
| 47        | TS-0650081         | Hex Nylon Lock Nut                        | 3/4"-10        | 1   |
| 48        | JWL1840EVS-148     | Motor Pulley                              |                | 1   |
| 49        | 4224B-165          | Handle                                    |                | 1   |
| 50        | TS-0680041         | Flat Washer                               | 3/8"           | 2   |
| 51        | TS-0720091         | Lock Washer                               | 3/8"           | 3   |
| 52        | 6350031            | Lock Handle                               |                | 1   |
| 53        | JWL1840EVS-153E    | Motor                                     | 2HP 3PH 230V   | 1   |
|           | JWL1840EVS-153MF   | Motor Fan                                 |                | 1   |
|           | JWL-1840EVS-153MFC | Motor Fan Cover                           |                | 1   |
| 55        | TS-0209061         | Socket Head Cap Screw                     | 3/8"-16x1-1/4" | 1   |
| 56        | JWL1642-196E       | Strain Relief                             | PG13.5         | 2   |
| 57        | JML-70E            | Strain Relief                             | PG9            | 2   |
| 58        | JWL1640EVS-158E    | Signal Cord                               |                | 1   |
| 59        | JWL1640EVS-E159    | Power Cord                                |                | 1   |

| Index No. | Part No.        | Description                                     | Size           | Qty |
|-----------|-----------------|-------------------------------------------------|----------------|-----|
| 60        | JWL1640EVS-160  | Pan Head Screw                                  | #10 - 24 x1"   | 8   |
| 61        | JWL1640EVS-161  | Inverter Upper Cover                            |                | 1   |
| 62        | JWL1840EVS-162E | Inverter                                        | VFD015E21A     | 1   |
| 63        | JWL1640EVS-163  | Inverter Lower Box                              |                | 1   |
| 64        | TS-0560071      | Hex Nut                                         | #10-24         | 7   |
| 65        | JWL1642-169     | Braking Resistor                                |                | 1   |
| 66        | JWL1640EVS-166  | Eccentric Rod                                   |                | 1   |
| 67        | JWL1640EVS-167  | Handle with Rubber Grip (includes #82)          |                | 1   |
| 68        | TS-0680041      | Flat Washer                                     | 3/8"           | 1   |
| 69        | TS-0209011      | Socket Head Cap Screw                           | 3/8"-16x1/2"   | 1   |
| 70        | JWL1642-183     | Clamp                                           |                | 2   |
| 71        | JWL1640EVS-171  | Safety Guard Bracket                            |                | 1   |
| 72        | 6644005         | Plunger                                         |                | 1   |
| 73        | TS-0060061      | Hex Bolt                                        | 3/8"-16x1-1/4" | 2   |
| 74        | JWL1442-164     | Knock Out Rod                                   |                | 1   |
| 76        | JWL1442-108     | Wave Washer                                     |                | 1   |
| 77        | JWL1642-196E    | Strain Relief                                   | PG 13.5        | 1   |
| 78        | JWL1640EVS-178  | Plate                                           |                | 1   |
| 79        | TS-0206041      | Socket Head Cap Screw                           | #10-24x 3/4"   | 2   |
| 80        | JWL1221VS-269E  | Wrench (includes #81)                           |                | 1   |
| 81        | JWL1221VS-270   | Rubber Grip                                     |                | 1   |
| 82        | JWL1640EVS-182  | Rubber Grip                                     |                | 1   |
| 85        | TS-0810012      | Pan Head Screw                                  | #10-24x1/4"    | 1   |
| 86        | TS-0733031      | Ext. Tooth Lock Washer                          | #10            | 1   |
| 87        | JWL1840EVS-187E | Remote Switch Assembly (Includes #88 thru 92)   |                | 1   |
| 88        | JML-70E         | Strain Relief                                   | PG9            | 1   |
| 89        | 6295761E        | Remote Switch Box Assembly                      |                | 1   |
| 90        | JWL1840DVR-253  | E-Stop Switch Assembly                          |                | 1   |
| 91        | 4224B-1112      | Magnet                                          |                | 1   |
| 92        | JWL1840EVS-192E | E-stop Cord                                     |                | 1   |
| 93        | JWL1840EVS-193  | Wave Washer                                     | BWW-629        | 1   |
|           | LM000172E       | Caution Label – Anti-rotation Block (not shown) |                | 1   |

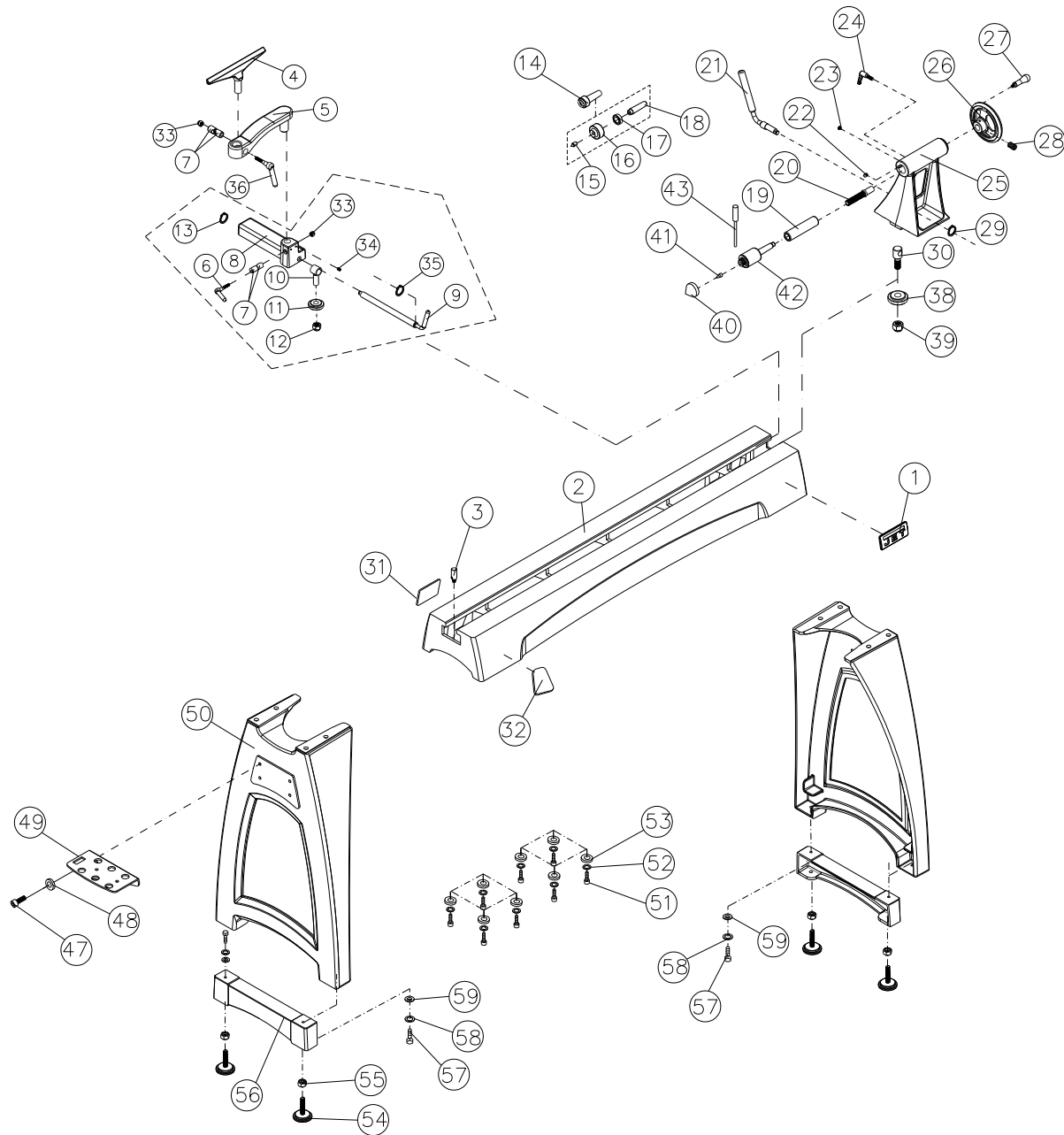
## JWL-1840EVS Controller Assembly – Exploded View



## JWL-1840EVS Controller Assembly – Parts List

| Index No. | Part No.        | Description                                  | Size          | Qty |
|-----------|-----------------|----------------------------------------------|---------------|-----|
| 1         | JWL1640EVS-201  | Knob                                         |               | 1   |
| 2         | JWL1640EVS-202E | Access Door (With Magnets)                   |               | 1   |
| 3         | TS-2248252      | Socket Head Button Screw                     | M8-1.25Px25   | 1   |
| 4         | LM000171E       | Speed Label                                  |               | 1   |
| 5         | JWL1640EVS-205  | Pin                                          |               | 1   |
| 6         | JWL1640EVS-206  | Hinge                                        |               | 1   |
| 7         | JWL1640EVS-207  | O- Ring                                      |               | 1   |
| 8         | TS-0253031      | Socket Head Button Screw                     | #10-24x1/2"   | 4   |
| 9         | JWL1640EVS-160  | Pan Head Screw                               | #10-24x1"     | 1   |
| 10        | JWL1640EVS-CAE  | Controller Assembly (includes #11 thru 23)   |               | 1   |
| 11        | JWL1642-143     | Variable Speed Knob                          |               | 1   |
| 12        | LM000066E       | Control Panel Label                          |               | 1   |
| 13        | 4224B-147E      | Main Switch                                  |               | 1   |
| 14        | JWL1640EVS-214E | Control Front Cover (includes #12)           |               | 1   |
| 15        | 4224B-148       | Switch Fwd/Rev                               |               | 1   |
| 16        | 6295915         | Control Pot Assembly                         |               | 1   |
| 17        | JWL1640EVS-217  | PC Board                                     |               | 1   |
| 18        | JWL1640EVS-218  | Back Box                                     |               | 1   |
| 19        | JWL1221VS-320   | Strain Relief                                |               | 1   |
| 20        | JWL1640EVS-220E | Signal Cord (inverter to control box)        |               | 1   |
| 21        | JWL1640EVS-221  | Connection Cord (Spindle Sensor to PC board) |               | 1   |
| 22        | TS-2284082      | Machine Screw                                | M4x8          | 4   |
| 23        | TS-2171012      | Machine Screw                                | M4x6          | 4   |
| 24        | JWL1640EVS-224E | Machine Screw                                | #10-24x1-1/4" | 1   |
| 25        | JWL1221VS-136E  | O-Ring                                       |               | 1   |
| 26        | JWL1640EVS-226E | Warning Label, Access door                   |               | 1   |

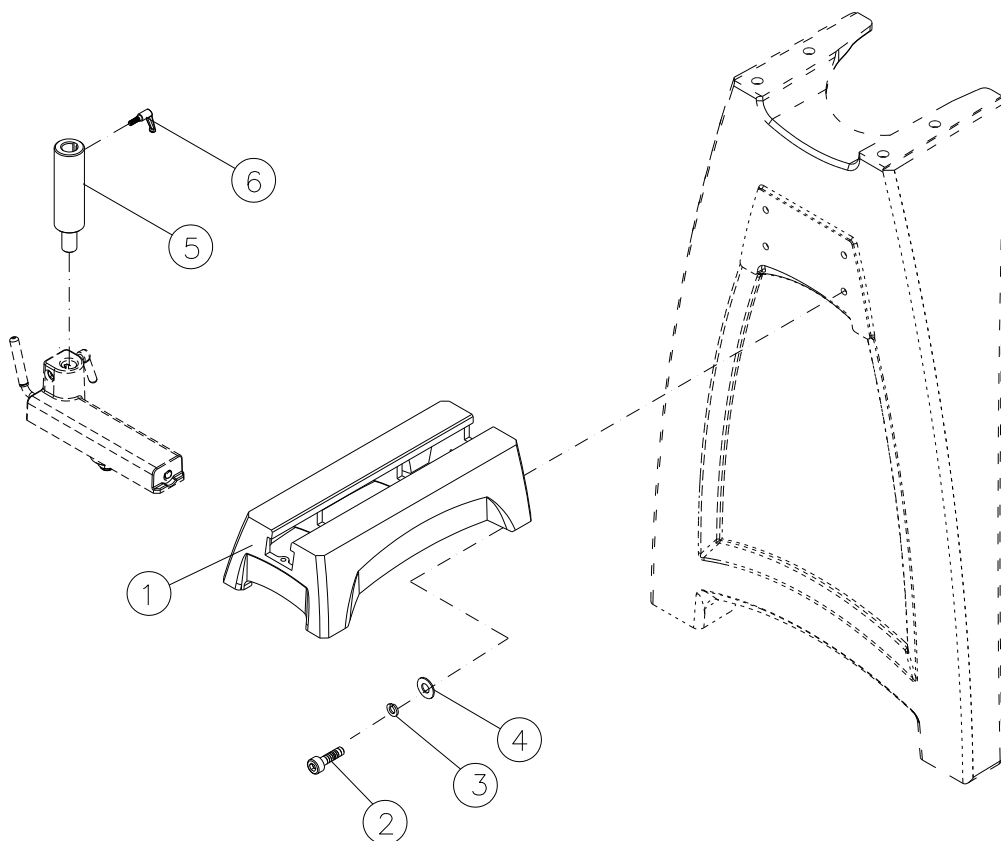
# JWL-1840EVS/DVR Bed and Stand Assembly – Exploded View



## JWL-1840EVS Bed and Stand Assembly – Parts List

| Index No. | Part No.       | Description                                               | Size            | Qty |
|-----------|----------------|-----------------------------------------------------------|-----------------|-----|
| 1         | JET-113        | JET Nameplate                                             | 113x47mm        | 1   |
| 2         | JWL1440-202    | Bed                                                       |                 | 1   |
| 3         | JWL1440-203    | Stud                                                      |                 | 2   |
| 4         | 6294742E       | Tool Rest                                                 | 14"             | 1   |
| 5         | JWL1440-205    | Tool Rest Extension                                       |                 | 1   |
|           | JWL1840EVS-TBA | Tool Rest Base Assembly (includes #6 thru 13, 33, 34, 35) |                 | 1   |
| 6         | JWL1440-206    | Handle                                                    | 3/8"            | 1   |
| 7         | JWL1440-207    | Tool Rest Lock Bushing Set                                |                 | 2   |
| 8         | JWL1840EVS-308 | Tool Rest Base                                            |                 | 1   |
| 9         | JWL1840EVS-309 | Tool Support Rod                                          |                 | 1   |
| 10        | JWL1442-128    | Clamp Bolt                                                |                 | 1   |
| 11        | JWL1442-154    | Clamp                                                     |                 | 1   |
| 12        | TS-0650081     | Hex Nylon Lock Nut                                        | 3/4"-10         | 1   |
| 13        | JWL1840EVS-313 | C-Ring                                                    | S-18            | 1   |
| 14        | 708331         | Live Center Assembly (includes #15 thru 18)               |                 | 1   |
| 15        | JML-52A        | Center Point for Live Center                              |                 | 1   |
| 16        | JML-52         | Live Center Head                                          |                 | 1   |
| 17        | BB-6002ZZ      | Ball Bearing                                              | 6002ZZ          | 1   |
| 18        | JML-54         | Live Center Shaft                                         |                 | 1   |
|           | JWL1840EVS-TA  | Tailstock Assembly (includes #19 thru 30, 38, 39)         |                 | 1   |
| 19        | JWL1640EVS-319 | Quill                                                     | MT2             | 1   |
| 20        | JWL1640EVS-320 | Lead Screw                                                |                 | 1   |
| 21        | JWL1440-221    | Tailstock Rod                                             |                 | 1   |
| 22        | JWL1221VS-227  | Key                                                       |                 | 1   |
| 23        | JWL1640EVS-323 | Socket Head Button Screw                                  | #10-32x5/8"     | 1   |
| 24        | JWL1015-137    | Tailstock Lock Handle                                     |                 | 1   |
| 25        | JWL1840EVS-325 | Tailstock Casting                                         |                 | 1   |
| 26        | JWL1440-226    | Handwheel                                                 |                 | 1   |
| 27        | JWL1442-211    | Handle                                                    |                 | 1   |
| 28        | TS-0267041     | Set Screw                                                 | 1/4"-20x 3/8"   | 2   |
| 29        | JWL1440-229    | C-Ring                                                    | S-12            | 1   |
| 30        | JWL1440-230    | Bolt                                                      |                 | 1   |
| 31        | LM000214E      | ID Label, JWL-1840EVS                                     |                 | 1   |
| 32        | 6294773P       | Warning Label                                             |                 | 1   |
| 33        | TS-0570031     | Hex Nut                                                   | 3/8"            | 2   |
| 34        | TS-0267021     | Set Screw                                                 | 1/4"-20x1/4"    | 2   |
| 35        | JWL1442-228    | C-Ring                                                    | S-25            | 1   |
| 36        | JWL1440-206    | Handle                                                    |                 | 1   |
| 38        | JWL1442-154    | Clamp                                                     |                 | 1   |
| 39        | TS-0650081     | Hex Nylon Lock Nut                                        | 3/4"-10         | 1   |
|           | 6295902        | Live Center Assembly (includes index #40 thru #43)        |                 | 1   |
| 40        | 6295905        | Live Center Cone                                          |                 | 1   |
| 41        | 6295904        | Live Center Tip                                           |                 | 1   |
| 42        | 6295903        | Live Center Body                                          |                 | 1   |
| 43        | 6295906        | Live Center Rod                                           |                 | 1   |
| 47        | TS-0209031     | Socket Head Cap Screw                                     | 3/8"-16x3/4"    | 2   |
| 48        | TS-0680042     | Flat Washer                                               | 3/8"            | 5   |
| 49        | JWL1640EVS-349 | Tool Shelf                                                |                 | 1   |
| 50        | JWL1840EVS-350 | Leg                                                       |                 | 2   |
| 51        | TS-0208071     | Socket Head Cap Screw                                     | 5/16"-18x1-1/4" | 8   |
| 52        | TS-0720081     | Lock Washer                                               | 5/16"           | 8   |
| 53        | TS-0680031     | Flat Washer                                               | 5/16"           | 8   |
| 54        | JWL1642-206    | Adjustable Foot                                           | 3/8"            | 4   |
| 55        | TS-0561031     | Hex Nut                                                   | 3/8"            | 4   |
| 56        | JWL1840EVS-356 | Riser Block                                               |                 | 2   |
| 57        | TS-0060061     | Hex Cap Screw                                             | 3/8"-16x1-1/4"  | 4   |
| 58        | TS-0720091     | Lock Washer                                               | 3/8"            | 4   |
| 59        | TS-0680041     | Flat Washer                                               | 3/8"            | 4   |

## JWL-1840EVS Extension Bed Assembly (OPTIONAL) – Exploded View

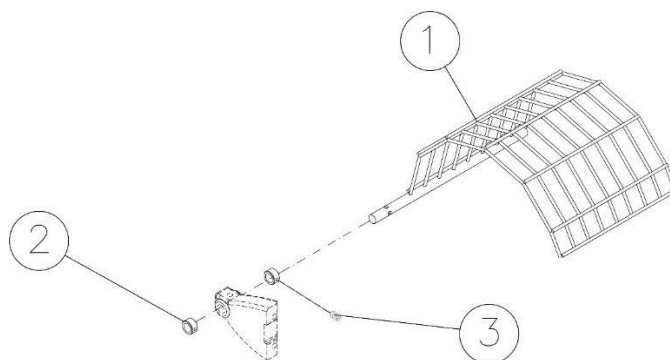


### 14.6.2 JWL-1840EVS Extension Bed Assembly (OPTIONAL) – Parts List

| Index No. | Part No.    | Description                                         | Size           | Qty |
|-----------|-------------|-----------------------------------------------------|----------------|-----|
| .....     | 719401      | 20" Extension Bed w/ Post (includes #1 thru 6)..... |                | 1   |
| 1         | JWL1440-301 | Extension Bed .....                                 | 20"            | 1   |
| 2         | TS-0209071  | Socket Head Cap Screw .....                         | 3/8"-16x1-1/2" | 4   |
| 3         | TS-0720091  | Lock Washer.....                                    | 3/8"           | 4   |
| 4         | TS-0680041  | Flat Washer .....                                   | 3/8"           | 4   |
| 5         | 3520B-310   | Extension Post.....                                 |                | 1   |
| 6         | 6294763     | Locking Handle.....                                 |                | 1   |



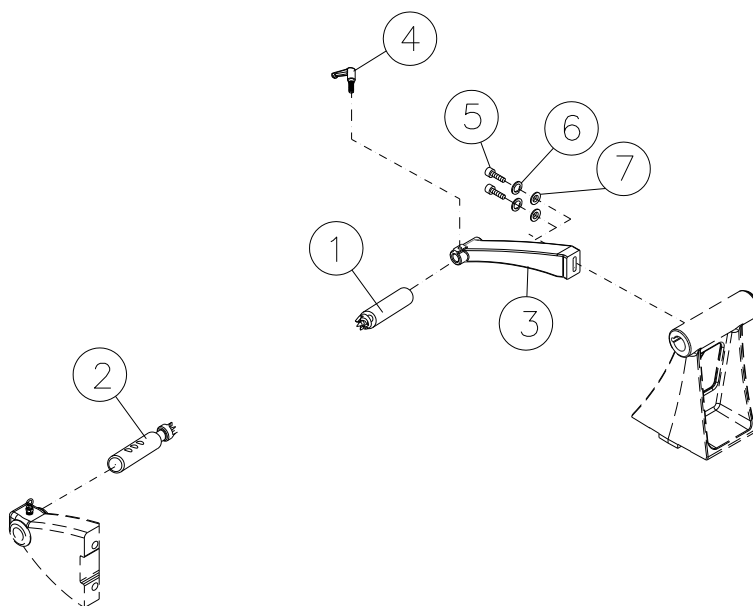
### 14.7.1 JWL-1840EVS Guard Assembly (OPTIONAL) – Exploded View



### 14.7.2 JWL-1840EVS Guard Assembly (OPTIONAL) – Parts List

| Index No. | Part No.    | Description                               | Size            | Qty   |
|-----------|-------------|-------------------------------------------|-----------------|-------|
| .....     | 719002      | Lathe Guard Assembly (includes #1 thru 3) | .....           | ..... |
| 1         | JWL1642-179 | Guard                                     | .....           | 1     |
| 2         | JWL1642-187 | Collar                                    | .....           | 2     |
| 3         | TS-0270011  | Set Screw                                 | 5/16"-18 x 1/4" | 2     |

### 14.8.1 JWL-1840EVS Comparator Kit (OPTIONAL)–Exploded View



### 14.8.2 JWL-1840EVS Comparator Kit (OPTIONAL) – Parts List

| Index No. | Part No.       | Description                        | Size            | Qty   |
|-----------|----------------|------------------------------------|-----------------|-------|
| .....     | 719601         | Spindle Comparator Kit (#1 thru 7) | .....           | ..... |
| 1         | 3520B-151      | Comparator Rear Center             | .....           | 1     |
| 2         | 3520B-275      | Comparator Spur Center             | .....           | 1     |
| 3         | JWL1840EVS-403 | Comparator Bracket                 | .....           | 1     |
| 4         | 6350031        | Handle                             | 3/8"            | 1     |
| 5         | TS-0208071     | Socket Head Cap Screw              | 5/16"-18x1-1/4" | 2     |
| 6         | TS-0720081     | Lock Washer                        | 5/16"           | 2     |
| 7         | TS-0680031     | Flat Washer                        | 5/16"           | 2     |

# JWL-1840EVS-M..... 719600M...1~230V, 50Hz

|      | colour of strands | Litzenfarben | couleur des cordons |
|------|-------------------|--------------|---------------------|
| BK   | black             | schwarz      | noir                |
| WH   | white             | weiß         | blanc               |
| BU   | blue              | blau         | bleu                |
| YE   | yellow            | gelb         | jaune               |
| RD   | red               | rot          | rouge               |
| BN   | brown             | braun        | brun                |
| GY   | grey              | grau         | gris                |
| GNYE | green-yellow      | grün-gelb    | vert-jaune          |
| OG   | orange            | orange       | orange              |
| VT   | violet            | violett      | violet              |

|    | meaning of symbol  | Bedeutung der Zeichen  | interprétation         |
|----|--------------------|------------------------|------------------------|
| M  | motor              | Motor                  | moteur                 |
| S  | switch             | Schalter               | interrupteur           |
| C  | condenser          | Kondensator            | condensateur           |
| E  | electronic unit    | Elektronik Einheit     | unité électronique     |
| F  | fuse               | Sicherung              | fusible                |
| RS | reversing switch   | Drehrichtungsschalter  | commu. droite/gauche   |
| S  | centrifugal switch | Fliehkraftschalter     | déclencheur centrifuge |
| OL | overload cut-off   | Überlastschuttschalter | déclencheur surcharge  |
| LS | limit switch       | Positionsendschalter   | micro                  |

