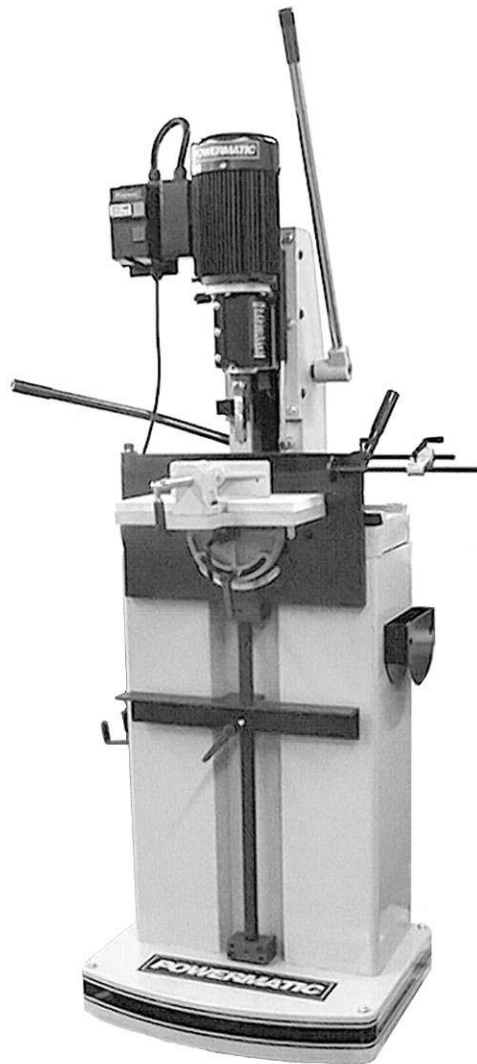


POWERMATIC®

Operating Instructions and Parts Manual Heavy-Duty Mortiser Model 720HD



WMH TOOL GROUP, Inc.

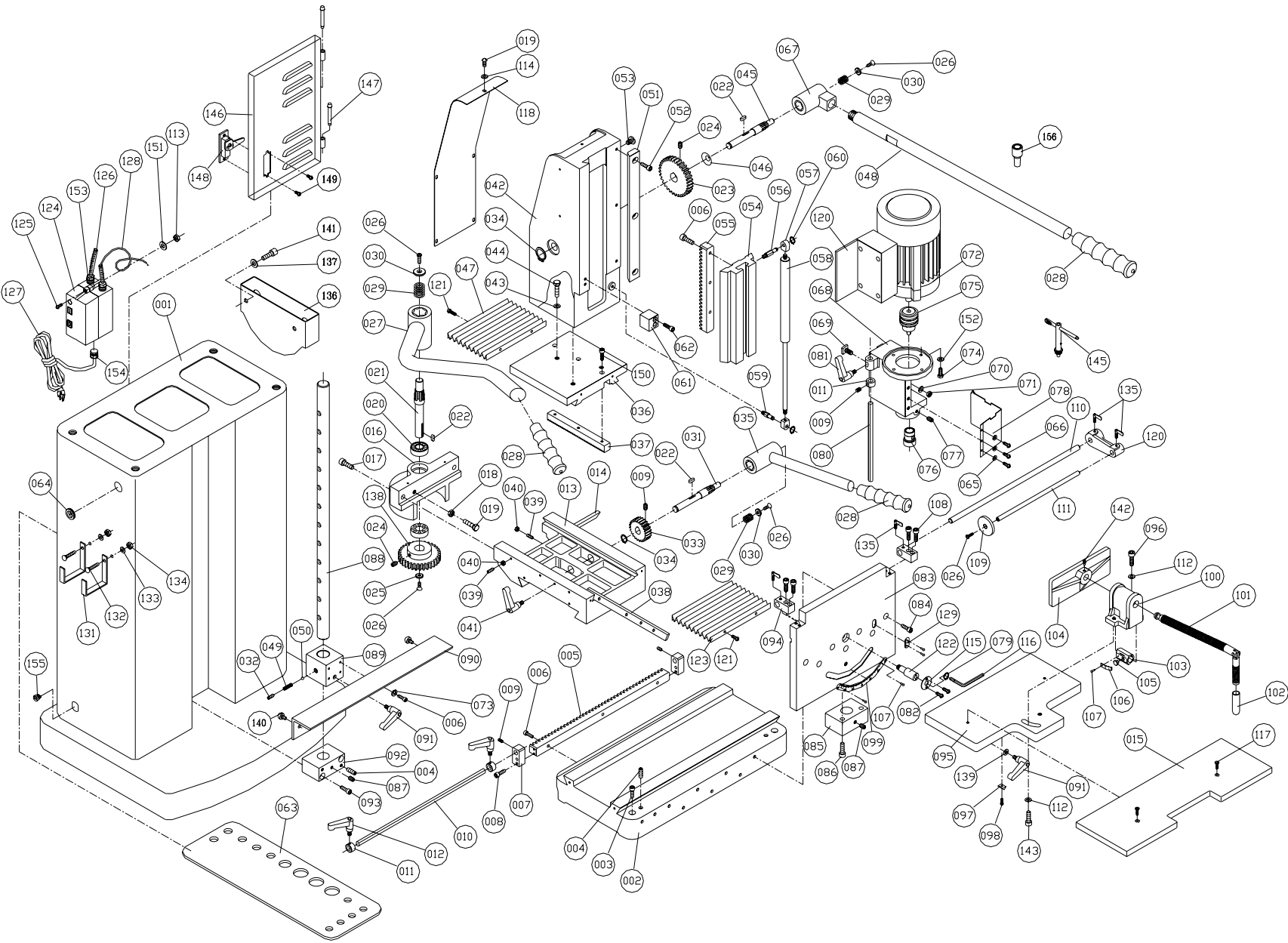
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Part No. M-1791309

Revision B 7/07

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720HD Heavy Duty Mortiser



Parts List: 720HD Heavy Duty Mortiser

| Index No. | Part No. | Description | Size | Qty |
|-----------|------------|--------------------------------|----------------|-----|
| 1 | 720HD-101 | Stand | | 1 |
| 1 | 720HD-101 | Stand | | 1 |
| 2 | 720HD-102 | X Axis Slide Base | | 1 |
| 3 | 720HD-103 | Socket Head Cap Screw | M10x65 | 4 |
| 4 | 720HD-104 | Set Screw | M10x55 | 6 |
| 5 | 720HD-105 | X Axis Gear Rack | | 1 |
| 6 | TS-1503041 | Socket Head Cap Screw | M6x16 | 7 |
| 7 | 720HD-107 | Rod Support | | 2 |
| 8 | TS-1503071 | Socket Head Cap Screw | M6x30 | 4 |
| 9 | TS-1523011 | Set Screw | M6x6 | 4 |
| 10 | 6294144 | Setting Rod | | 1 |
| 11 | 6294143 | Setting Collar | | 3 |
| 12 | 720HD-112 | Locking Handle | M6x10 | 2 |
| 13 | 720HD-113 | X Axis Slide | | 1 |
| 14 | 720HD-114 | Dovetail Gib | | 1 |
| 15 | 720HD-115 | Wooden Table Top | | 1 |
| 16 | 720HD-116 | Gear Housing | | 1 |
| 17 | TS-1506031 | Socket Head Cap Screw | M12x30 | 2 |
| 18 | TS-1540081 | Hex Nut | M12 | 1 |
| 19 | TS-1492041 | Hex Cap Screw | M12x40 | 1 |
| 20 | BB-6004ZZ | Bearing | #6004ZZ | 2 |
| 21 | 720HD-121 | X Axis Shaft | | 1 |
| 22 | 720HD-122 | Key | 5x5x30 | 3 |
| 23 | 720HD-123 | Feed Gear | | 1 |
| 24 | TS-1523041 | Set Screw | M6x12 | 4 |
| 25 | 720HD-125 | Spacer | | 1 |
| 26 | TS-1514021 | Flat Head Socket Screw | M6x16 | 5 |
| 27 | 720HD-127 | X Axis Handle | | 1 |
| 28 | 720HD-128 | Plastic Handle Grip | | 3 |
| 29 | 6294166 | Spring | | 3 |
| 30 | 6294167 | Washer | | 3 |
| 31 | 720HD-131 | Y Axis Shaft | | 1 |
| 32 | TS-1525011 | Set Screw | M10x10 | 1 |
| 33 | 720HD-133 | Y Axis Feed Gear | | 1 |
| 34 | 720HD-134 | Retaining Ring | STW-20 | 2 |
| 35 | 720HD-135 | Y Axis Handle | | 1 |
| 36 | 720HD-136 | Y Axis Slide | | 1 |
| 37 | 720HD-137 | Y Axis Gear Rack | | 1 |
| 38 | 720HD-138 | Dovetail Gib | | 1 |
| 39 | 720HD-139 | Set Screw | M6x40 | 6 |
| 40 | TS-1540041 | Hex Nut | M6 | 6 |
| 41 | 720HD-141 | Locking Handle | M6x38 | 1 |
| 42 | 720HD-142 | Column | | 1 |
| 43 | TS-2360121 | Flat Washer | M12 | 3 |
| 44 | TS-1506051 | Socket Head Cap Screw | M12x40 | 3 |
| 45 | 720HD-145 | Z Axis Shaft | | 1 |
| 46 | 720HD-146 | Washer | D34.5xd20x0.4t | 1 |
| 47 | 720HD-147 | Pleated Dust Cover | | 1 |
| 48 | 720HD-148A | Z Axis Handle | | 1 |
| 49 | 720HD-149 | Spring | | 1 |
| 50 | 720HD-150 | Steel Ball | D8 | 1 |
| 51 | 720HD-151 | Gib | | 1 |
| 52 | TS-1504031 | Socket Head Cap Screw | M8x16 | 3 |
| 53 | 720HD-153 | Screw | | 3 |
| 54 | 720HD-154 | Z Axis Slide Base | | 1 |
| 55 | 720HD-155 | Z Axis Gear Rack | | 1 |
| 56 | 720HD-156 | Cylinder Fitting Shaft (Short) | | 1 |

| | | | | |
|-----|------------|-------------------------------|--------------------|---|
| 57 | 720HD-157 | Cylinder Head | | 2 |
| 58 | 720HD-158 | Cylinder | | 1 |
| 59 | 720HD-159 | Cylinder Fitting Shaft (Long) | | 1 |
| 60 | 720HD-160 | E-Ring | ETW-7 | 2 |
| 61 | 720HD-161 | Stopper Block | | 1 |
| 62 | TS-1504061 | Socket Head Cap Screw | M8x30 | 2 |
| 63 | 720HD-163 | Shelf Cushion | | 1 |
| 64 | 720HD-164 | Rubber Collar | 5x50 | 1 |
| 65 | TS-1550031 | Flat Washer | M5 | 3 |
| 66 | TS-1481021 | Hex Cap Screw | M5x10 | 3 |
| 67 | 6294165 | Handle Bracket | | 1 |
| 68 | 720HD-168 | Headstock | | 1 |
| 69 | 720HD-169 | Square Head Screw | | 1 |
| 70 | TS-155010 | Flat Washer | M16 | 1 |
| 71 | TS-2310162 | Hex Nut | M16x1.5P | 1 |
| 72 | 720HD-172 | Motor | 1-1/2HP, 230V, 1Ph | 1 |
| 73 | TS-1551041 | Lock Washer | M6 | 4 |
| 74 | TS-1482061 | Hex Cap Screw | M6x30 | 4 |
| 75 | 6294171 | Chuck | JT33-13mm | 1 |
| 76 | 6294198 | Bushing | 1-1/8" | 1 |
| | 6294221 | Bushing (not shown) | 3/4" | 1 |
| | 6294222 | Bushing (not shown) | 5/8" | 1 |
| 77 | TS-1524041 | Set Screw | M8x16 | 2 |
| 78 | 720HD-178 | Chuck Access Cover | | 1 |
| 79 | 720HD-179 | Retaining Ring | ISTW-10 | 1 |
| 80 | 720HD-180 | Depth Setting Rod | | 1 |
| 81 | 720HD-181 | Locking Handle | M8x15 | 1 |
| 82 | TS-1533032 | Pan Head Screw | M5x10 | 2 |
| 83 | 720HD-183 | Fence | | 1 |
| 84 | TS-1505031 | Socket Head Cap Screw | M10x25 | 7 |
| 85 | 720HD-185 | Guide Bracket (Upper) | | 1 |
| 86 | TS-1505061 | Socket Head Cap Screw | M10x40 | 2 |
| 87 | TS-1525021 | Set Screw | M10x12 | 2 |
| 88 | 720HD-188 | Guide Rod | | 1 |
| 89 | 720HD-189 | Guide Bracket | | 1 |
| 90 | 720HD-190 | Support Bracket | | 1 |
| 91 | 720HD-191 | Locking Handle | M12x60 | 2 |
| 92 | 720HD-192 | Guide Bracket (Lower) | | 1 |
| 93 | TS-1505131 | Socket Head Cap Screw | M10x80 | 2 |
| 94 | 720HD-194 | Bracket | | 2 |
| 95 | 720HD-195 | Table | | 1 |
| 96 | TS-1504061 | Socket Head Cap Screw | M8x30 | 1 |
| 97 | 720HD-197 | Pointer | | 1 |
| 98 | TS-2171012 | Pan Head Screw | M4x6 | 1 |
| 99 | 720HD-199 | Scale | | 1 |
| 100 | 6294187 | Clamping Block | | 1 |
| 101 | 6294192 | Locking Screw | | 1 |
| 102 | 6294223 | Plastic Handle Sleeve | | 1 |
| 103 | 6294188 | Rapid Nut | | 1 |
| 104 | 6294186 | Clamping Jaw | | 1 |
| 105 | 6294189 | Friction Toe | | 1 |
| 106 | 6294190 | Spring | | 1 |
| 107 | 6294191 | Rivet | | 5 |
| 108 | TS-1502051 | Socket Head Cap Screw | M5x20 | 4 |
| 109 | 6294193 | Stop Disc | | 1 |
| 110 | 6294148 | Length Setting Rod (Rear) | | 1 |
| 111 | 6294150 | Length Setting Rod (Front) | | 1 |
| 112 | TS-1550061 | Flat Washer | M8 | 2 |
| 113 | TS-1540021 | Hex Nut | M4 | 2 |
| 114 | TS-1550041 | Flat Washer | M6 | 5 |
| 115 | 720HD-1115 | Special Washer | | 1 |

| | | | | |
|-----|------------|-------------------------|--------------|---|
| 116 | 720HD-1116 | Allen Wrench | | 1 |
| 117 | TS-1514031 | Flat Head Socket Screw | M6x20 | 2 |
| 118 | 720HD-1118 | Cover | | 1 |
| 119 | TS-1534032 | Pan Head Screw | M6x10 | 5 |
| 120 | 720HD-1120 | Switch Board | | 1 |
| 121 | TS-2245081 | Flat Head Socket Screw | M5x8 | 8 |
| 122 | 720HD-1122 | Stud | | 1 |
| 123 | 720HD-1123 | Pleated Dust Cover | | 1 |
| 124 | 720HD-1124 | Magnetic Switch | | 1 |
| 125 | TS-1532042 | Pan Head Screw | M4x12 | 2 |
| 126 | 720HD-1126 | Sleeve | | 1 |
| 127 | 720HD-1127 | Power Cord | 1.25/3Cx3M | 1 |
| 128 | 720HD-1128 | Motor Cord | 1.25/3Cx0.8M | 1 |
| 129 | 720HD-1129 | 90° Scale | | 1 |
| 130 | 6294149 | Length Setting Block | | 1 |
| 131 | 720HD-1131 | Hook | | 2 |
| 132 | TS-0152011 | Carriage Bolt | 5/16"-18x1" | 2 |
| 133 | TS-0680031 | Flat Washer | 5/16" | 2 |
| 134 | TS-0561021 | Hex Nut | 5/16"-18 | 2 |
| 135 | 6294145 | Wing Screw | M6x16 | 4 |
| 136 | 720HD-1136 | Table Holder | | 1 |
| 137 | TS-1550061 | Flat Washer | M8 | 2 |
| 138 | 720HD-1138 | Gear | | 1 |
| 139 | 720HD-1139 | Washer | | 1 |
| 140 | 720HD-1140 | Pad | 26L | 2 |
| 141 | TS-1504031 | Socket Head Cap Screw | M8x16 | 2 |
| 142 | TS-0267051 | Set Screw | 1/4"-20x1/2" | 2 |
| 143 | TS-1504061 | Socket Head Cap Screw | M8x30 | 1 |
| 145 | 6294204 | Chuck Key | | 1 |
| 146 | 720HD-1146 | Door | | 1 |
| 147 | 6294227 | Pin | | 2 |
| 148 | 6294228 | Door Latch | | 1 |
| 149 | TS-2171012 | Pan Head Screw | M4x6 | 2 |
| 150 | TS-1503051 | Socket Head Cap Screw | M6x20 | 3 |
| 151 | TS-0680011 | Flat Washer | 3/16" | 2 |
| 152 | TS-0680021 | Flat Washer | 1/4" | 4 |
| 153 | 720HD-1153 | Cord Strain Relief | | 2 |
| 154 | 720HD-1154 | Cord Strain Relief | | 1 |
| 155 | 720HD-1155 | Cord Strain Relief | | 1 |
| 156 | 3005069 | Chuck Extension Adaptor | | 1 |

Electrical Connections

