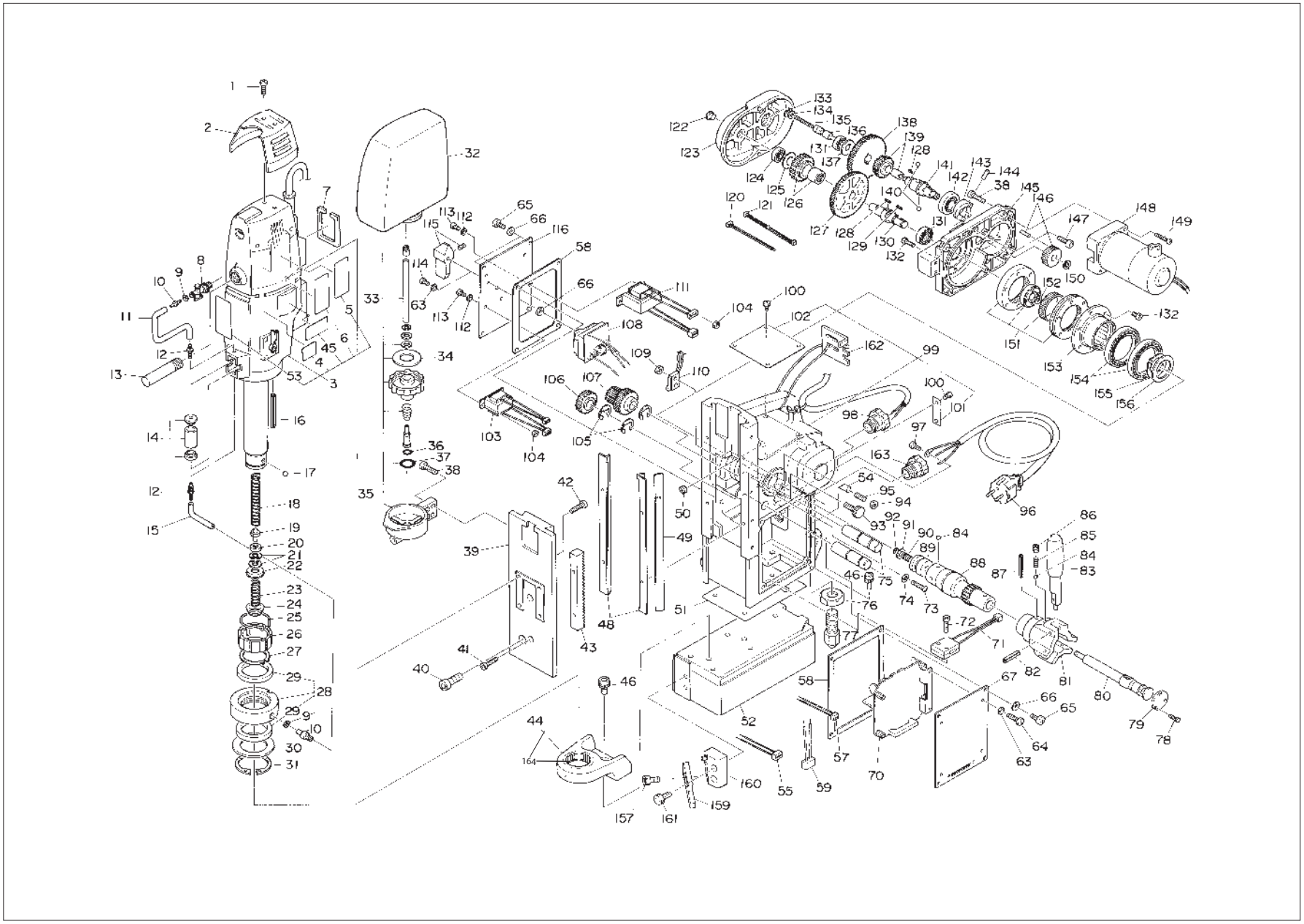
# ATRA ACE QA-6500 (220-240V) ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| 1 | LP30156 | Pan Head Screw 4 X 6 | 2 | |
| 2 | TQ00926 | Protection Cover | 1 | |
| 3 | TB03986 | Drill Motor Sub Ass'y B | 1 set | |
| | TA9A028 | Brush Ass'y (2 pcs/set) | 1 set | |
| 4 | TQ05078 | Label Drill rpm | 1 | |
| 45 | TQ05063 | Caution Label | 1 | |
| 5 | TQ05065 | Label – Cutter insertion | 1 | |
| 6 | TQ05064 | Cutter Mounting Label | 1 | |
| 54 | TQ05066 | Cutter Caution Label | 1 | |
| 7 | TQ00927 | Drill Motor Packing | 1 | |
| 8 | TP14495 | Petcock Valve 1/8(PT) | 1 | |
| 9 | CP21947 | Seal Packing | 2 | |
| 10 | TP14500 | Hose Nipple | 2 | |
| 11 | TB01098 | Tube 4 X 7 X 240 | 1 set | |
| 12 | TP15821 | Dropper Nipple | 2 | |
| 13 | TB02534 | Side Handle Ass'y | 1 set | |
| 14 | TB00503 | Oil Dropper Ass'y | 1 set | |
| 15 | TP15820 | Tube 4 X 7 X 120 | 1 set | |
| 16 | TP03261 | Spring Pin 4 X 26 AW | 1 | |
| 17 | TB01672 | Ball 5/16 Ass'y | 1 set | |
| 18 | TP15998 | Spring 1.6 X 16.2 X 120 | 1 | |
| 19 | TQ01895 | Pilot Spacer | 1 | |
| 20 | TP15848 | Spacer 10.5 X 19 X 5 | 1 | |
| 21 | TP13905 | Retaining Ring RTW19 | 2 | |
| 22 | TB01348 | Washer Ass'y | 1 set | |
| 23 | TQ01898 | Spring 0.8 X 12 X 31 | 1 | |
| 24 | TB01349 | Push Ring Ass'y | 1 set | |
| 25 | TQ01896 | Twist Spring | 1 | |
| 26 | TQ01897 | Sleeve | 1 | |
| 27 | TP15239 | Retaining Ring C-28 | 1 | |
| 28 | TB00713 | Oil Ring Ass'y | 1 set | |
| 29 | (TP14499) | Oil Seal GD38 X 48 X 4 | 2 | |
| 30 | TP12773 | Washer 38.5 X 54 X 1 | 1 | |
| 31 | TP14969 | Retaining Ring ISTW-38 | 1 | |
| 32 | TQ04779 | Oil Tank | 1 | |
| 33 | TB03785 | Cap Ass'y | 1 set | |
| 34 | (TQ00701) | Packing Cap | 1 | |
| 35 | TB01380 | Oil Tank Bracket Sub Ass'y | 1 set | |
| 36 | (TP11994) | O-Ring P-4 | 1 | |
| 37 | (CP20180) | O-Ring P-18 | 1 | |
| 38 | TP03086 | Hex. Bolt 6 X 20 | 6 | |
| 39 | TQ02497 | Slide Board | 1 | |
| 40 | TP14717 | Hex. Socket Bolt 10 X 20 | 1 | |
| 41 | TP07118 | Hex. Bolt 6 X 16 | 2 | |
| 42 | TP04532 | Hex. Socket Bolt 5 X 30 | 4 | |
| 43 | TQ02496 | Rack | 1 | |
| 44 | TB02694 | Bracket Ass'y | 1 set | |
| 164 | (TQ03444) | Needle Bearing B-2410 | 1 | |
| 46 | TQ03344 | Hex. Socket Bolt 8 X 20 | 6 | |
| 48 | TP12777 | Slide Plate | 2 | |
| 49 | TQ01905 | Jib | 1 | |
| 50 | TQ00394 | Seal Bushing | 1 | |
| 51 | TQ01928 | Packing for Pole | 1 | |
| 52 | TB04022 | Square Pole Ass'y | 1 set | |
| 54 | TQ04783 | Supporter | 5 | |
| 55 | TB00578 | H Cord Ass'y | 1 set | |
| 57 | TB00577 | F Cord Ass'y | 1 set | |

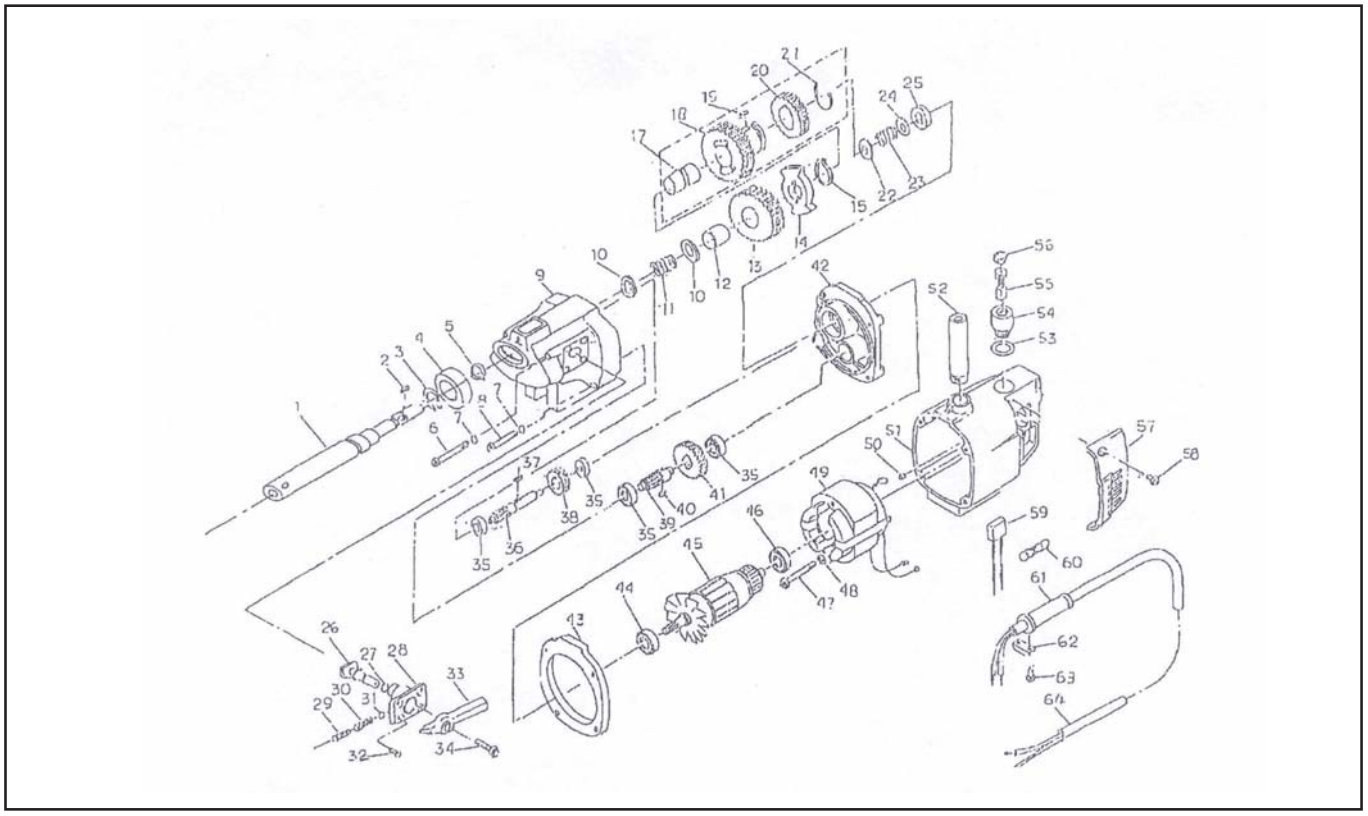
| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| 58 | TQ00932 | Packing Body | 2 | |
| 56 | TP02639 | Hex. Nut M4 | 9 | |
| 63 | TQ00258 | Seal Washer M4 | 6 | |
| 64 | TQ01526 | Pan Head Screw 4 X 10 | 4 | |
| 65 | TP02419 | + Screw 6 X 10 | 8 | |
| 66 | TQ01331 | Seal Washer M6 | 9 | |
| 67 | TQ06042 | Mounting Plate | 1 | |
| 70 | TB05293 | Control Board Ass'y | 1 set | |
| 71 | TB01363 | Slide Detection Device | 1 set | |
| 72 | TP14471 | Hex. Socket Bolt 4 X 20 | 2 | |
| 73 | FS00315 | + Pan Head Screw 2 X 20 | 2 | |
| 74 | TQ00729 | Spring Washer M2 | 2 | |
| 75 | TQ00707 | Shaft | 2 | |
| 76 | TP03914 | Hex. Nut Type 3 M16 | 1 | |
| 77 | TQ00720 | Stabilizer Shaft | 1 | |
| 78 | TP08598 | + Screw 3 X 5 | 3 | |
| 79 | TQ00844 | Name Plate –Auto Feeder | 1 | |
| 80 | TQ01903 | Inner Shaft | 1 | |
| 81 | TQ01901 | Handle Boss | 1 | |
| 82 | TP12821 | Spring Pin 5 X 26 | 3 | |
| 83 | TQ00680 | Rod Handle | 3 | |
| 84 | CP01123 | Ball 3/16 | 7 | |
| 85 | TP06396 | Spring | 3 | |
| 86 | TP06397 | Hex. Screw 6 X 8 | 3 | |
| 87 | TP13891 | Spring Pin 5 X 38 | 1 | |
| 88 | TQ01902 | Clutch Shaft | 1 | |
| 89 | TQ01904 | Clutch Ring | 1 | |
| 90 | TQ00682 | Spring 1.2 X 8 X 17 | 1 | |
| 91 | TP00092 | Plain Washer M6 | 1 | |
| 92 | TQ00683 | Grip Ring GS-6.0 | 1 | |
| 93 | TP02931 | Set Screw | 1 | |
| 94 | TP07419 | Hex. Nut Type 3 M6 | 5 | |
| 95 | TQ04781 | Hex. Socket Set Screw 6 X 14 | 5 | |
| 96 | TB01286 | Cabtyre Cord Ass'y | 1 set | |
| 97 | LP08489 | + Screw 4 X 6 | 1 | |
| 98 | TP13889 | Connector SC4-3 | 1 | |
| 163 | TQ01838 | Cable Connector SC4-1 | 1 | |
| 99 | TB04376 | Body Sub Ass'y A | 1 set | |
| 100 | (TP05136) | Rivet No. 2 X 4.8 | 6 | |
| 101 | (TP04769) | Plate Serial Number | 1 | |
| 102 | (TQ05610) | Warning Plate | 1 | |
| 103 | TB03968 | Transformer Power Supply Ass'y | 1 set | |
| 104 | TP00067 | Hex. Nut M3 | 3 | |
| 105 | TP04126 | Snap Ring E-12 | 3 | |
| 106 | TQ00708 | Spur Gear 24 M1.5 | 1 | |
| 107 | TQ00706 | Spur Gear 16 X 24 | 1 | |
| 108 | TB03702 | Switch Ass'y | 1 set | |
| 109 | TP02627 | Hex. Nut M2 | 2 | |
| 110 | TQ00703 | Limit Switch DC3A-D3RB | 1 | |
| 111 | TB03967 | Transformer Sensor Ass'y | 1 set | |
| 112 | TQ01330 | Seal Washer M3 | 3 | |
| 113 | TP00153 | + Screw 3 X 12 | 3 | |
| 114 | TB12819 | Pan Head Screw 4 X 6 | 2 | |
| 115 | TB01381 | Switch Knob Ass'y | 1 set | |
| 116 | TQ05073 | Switch Plate | 1 | |
| 120 | TB00573 | D Cord Ass'y | 1 set | |
| 121 | TB03809 | Cord Ass'y M-M | 1 set | |

| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| 122 | TQ01962 | Collar Cap K-100 16CSBL | 1 | |
| 123 | TQ04982 | Gear Box Cover | 1 | |
| 124 | TQ01924 | Ball Bearing 688ZZ | 1 | |
| 125 | TQ01926 | Washer 10.2 X 20 X 0.6 | 1 | |
| 126 | TB01360 | Spur Gear 30 M1 Ass'y | 1 set | |
| 127 | TQ02435 | Spur Gear 70 M1B | 1 | |
| 128 | TQ01913 | Sunk Key 4 X 4 X 7 - Round-end | 2 | |
| 129 | TP10130 | Sunk Key 3 X 3 X 10 | 1 | |
| 130 | TQ01923 | Gear Shaft B | 1 | |
| 131 | TQ01916 | Ball Bearing 6801ZZ | 2 | |
| 132 | TP04715 | Hex. Bolt 4 X 8 | 12 | |
| 133 | TQ01920 | Retaining Ring RTW-9 | 1 | |
| 134 | TQ01912 | Spring Stopper | 1 | |
| 135 | TQ01911 | Spring 0.6 X 3 X 35 | 1 | |
| 136 | TQ01919 | Spool | 1 | |
| 137 | TQ01963 | Washer 14.5 X 25 X 0.6 | 1 | |
| 138 | TQ02434 | Spur Gear 70M1A | 1 | |
| 139 | TB01358 | Clutch Gear Sub Ass'y | 1 set | |
| 140 | TP15428 | Ball 5mm Dia. | 2 | |
| 141 | TQ01915 | Gear Shaft A | 1 | |
| 142 | TQ01917 | Ball Bearing 6803ZZ | 1 | |
| 143 | TQ01918 | Shift Ring | 1 | |
| 144 | TQ01960 | Roll Pin 4 X 22 | 1 | |
| 145 | TQ01909 | Gear Box | 1 | |
| 146 | TB01356 | Plain Gear 41 Ass'y | 1 set | |
| 147 | TP04197 | Hex. Bolt 6 X 30 | 2 | |
| 148 | TB02352 | Motor Ass'y | 1 set | |
| | (TB00599) | Carbon Brush Ass'y (2 pcs/set) | 1 set | |
| 149 | TP18619 | Hex. Socket Head Cap Screw 4 X 30 | 4 | |
| 150 | TQ01961 | Grip Ring GS-8 | 1 | |
| 151 | TB00510 | Harmonic Ass'y | 1 set | |
| 152 | TP12328 | Retaining Ring STW-9 | 1 | |
| 153 | TQ01952 | Clutch | 1 | |
| 154 | TQ00725 | Ball Bearing 6809 ZZ | 2 | |
| 155 | TP17384 | Retaining Ring C-32 | 1 | |
| 156 | TP14412 | Retainer Holder | 1 | |
| 157 | TP01945 | Hex. Bolt 5 X 12 | 1 | |
| 159 | TQ04949 | Blade | 1 | |
| 160 | TB03863 | Blade Base Ass'y | 1 set | |
| 161 | TP14178 | Hex. Bolt 6 X 10 | 2 | |
| 162 | TQ04952 | Chip Stopper | 1 | |

**ACCESSORIES**

| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| | TP04696 | Hex. Wrench Key 3 | 1 | |
| | TP01939 | Hex. Wrench Key 4 | 1 | |
| | TP17014 | Spanner 8 X 10 | 1 | |
| | UEA0850 | Pilot Pin 5/16" X 2" DOC | 1 | |
| | UEA0835 | Pilot Pin 5/16 X 1-3/8" DOC | 1 | |
| | TA99027 | Safety Chain Ass'y | 1 set | |
| | TB02145 | Cutting Oil 0.5L | 1 | |
| | TQ05612 | Instruction Manual | 1 | |
| | TP10198 | Tool Box 285 X 125 X 62 | 1 | |
| | TQ05186 | Label Combination | 1 | |

# QA-6500 MOTOR ASSEMBLY AND PARTS LIST



The part numbers with ( ) are included in the Ass'y parts written above them.

| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| 1 | TQ02521 | Spindle Arbor | 1 | |
| 2 | TQ00979 | Sunk Key 4 X 4 X 7 | 1 | |
| 3 | CP20569 | Retaining Ring C-47 | 1 | |
| 4 | TP17382 | Ball Bearing 6005Z | 1 | |
| 5 | CQ02200 | Retaining Ring C-25 | 1 | |
| 6 | TQ00980 | + Round Head Screw 5 X 145 | 2 | |
| 7 | TP00513 | Spring Washer M5 | 4 | |
| 8 | TQ00981 | + Round Head Screw 5 X 80 | 2 | |
| 9 | TQ00982 | Gear Case | 1 | |
| 10 | TP16502 | Plain Washer 25.2 X 32 X 1 | 2 | |
| 11 | TP16501 | Spring (L) | 1 | |
| 12 | TP06503 | Bush | 1 | |
| 13 | TA9A584 | Spiral Gear B-L Ass'y | 1 | |
| 14 | TP16505 | Boss | 1 | |
| 15 | CP03040 | Retaining Ring C-20 | 1 | |
| 16 | TB00750 | Spiral Gear B-H Ass'y | 1 set | |
| 17 | TQ00976 | Needle Bearing HK2012 | 2 | |
| 18 | TB01087 | Spiral Gear | 1 | |
| 19 | TP16497 | Sunk Key 5 X 5 X 7 | 1 | |
| 20 | TB01087 | Spiral Gear | 1 | |
| 21 | TP17384 | Retaining Ring C-32 | 1 | |
| 22 | TP16507 | Plain Washer 20.2 X 26 X 1 | 1 | |
| 23 | TP16508 | Spring (H) | 1 | |
| 24 | TP16509 | Plain Washer 15.2 X 24.2 X1 | 1 | |
| 25 | TP17383 | Ball Bearing 6202 | 1 | |
| 26 | TQ00984 | Cam Shaft | 1 | |
| 27 | TQ09421 | O Ring P-6 | 1 | |
| 28 | TP16490 | Guide Boss | 1 | |
| 29 | TP18684 | Hex Socket Set Screw 4 X 8 | 1 | |
| 30 | TP16493 | Coil Spring | 1 | |
| 31 | TP16492 | Steel Ball | 1 | |
| 32 | TP17385 | + Screw 4 X 12 | 4 | |

| No. | Part No. | Part Name | Q'ty | Price |
|---|---|---|---|---|
| 33 | TP16489 | Lever | 1 | |
| 34 | TP09693 | Hex Bolt 4 X 14 | 1 | |
| 35 | TP17380 | Ball Bearing 629 | 4 | |
| 36 | TQ00985 | Pinion (L) | 1 | |
| 37 | TP16506 | Sunk Key 4 X 4 X 10 | 1 | |
| 38 | TQ00986 | Spiral Gear (S) | 1 | |
| 39 | TQ00987 | Pinion (H) | 1 | |
| 40 | TP13351 | Sunk Key 3 X 3 X 7 | 1 | |
| 41 | TP16516 | Spiral Gear (A) | 1 | |
| 42 | TQ00662 | Bearing Bracket | 1 | |
| 43 | TP16488 | Spacer | 1 | |
| 44 | TP06718 | Ball Bearing 6201Z | 1 | |
| 45 | TB01035 | Armature Ass'y (230V) | 1 set | |
| 46 | TP06242 | Ball Bearing 629ZZ | 1 | |
| 47 | TQ00988 | + Round Head Screw 5 X 75 | 2 | |
| 48 | TP00513 | Spring Washer M5 | 2 | |
| 49 | TB01036 | Field Ass'y (230V) | 1 set | |
| 50 | TP13355 | Rubber Packing | 1 | |
| 51 | TQ00989 | Motor Housing | 1 | |
| 52 | TB02534 | Side Handle Ass'y | 1 set | |
| 53 | TP13359 | Insulation Washer | 2 | |
| 54 | TP13358 | Brush Holder | 2 | |
| 55 | TA9A028 | Brush Ass'y (2 pcs/set) | 1 set | |
| 56 | TP13357 | Brush Cap | 2 | |
| 57 | TP13360 | Cover | 1 | |
| 58 | TP11245 | + Screw 4 X 10 | 1 | |
| 59 | TP16481 | Condenser SM-37R8291 | 1 | |
| 60 | TQ00990 | Insulated Connector FNCW-2 | 2 | |
| 61 | TP13363 | Cord Armor | 1 | |
| 62 | TP13362 | Cord Clamp | 1 | |
| 63 | TP17453 | + Screw 4 X 20 | 2 | |
| 64 | TQ00991 | Cable from Motor | 1 | |