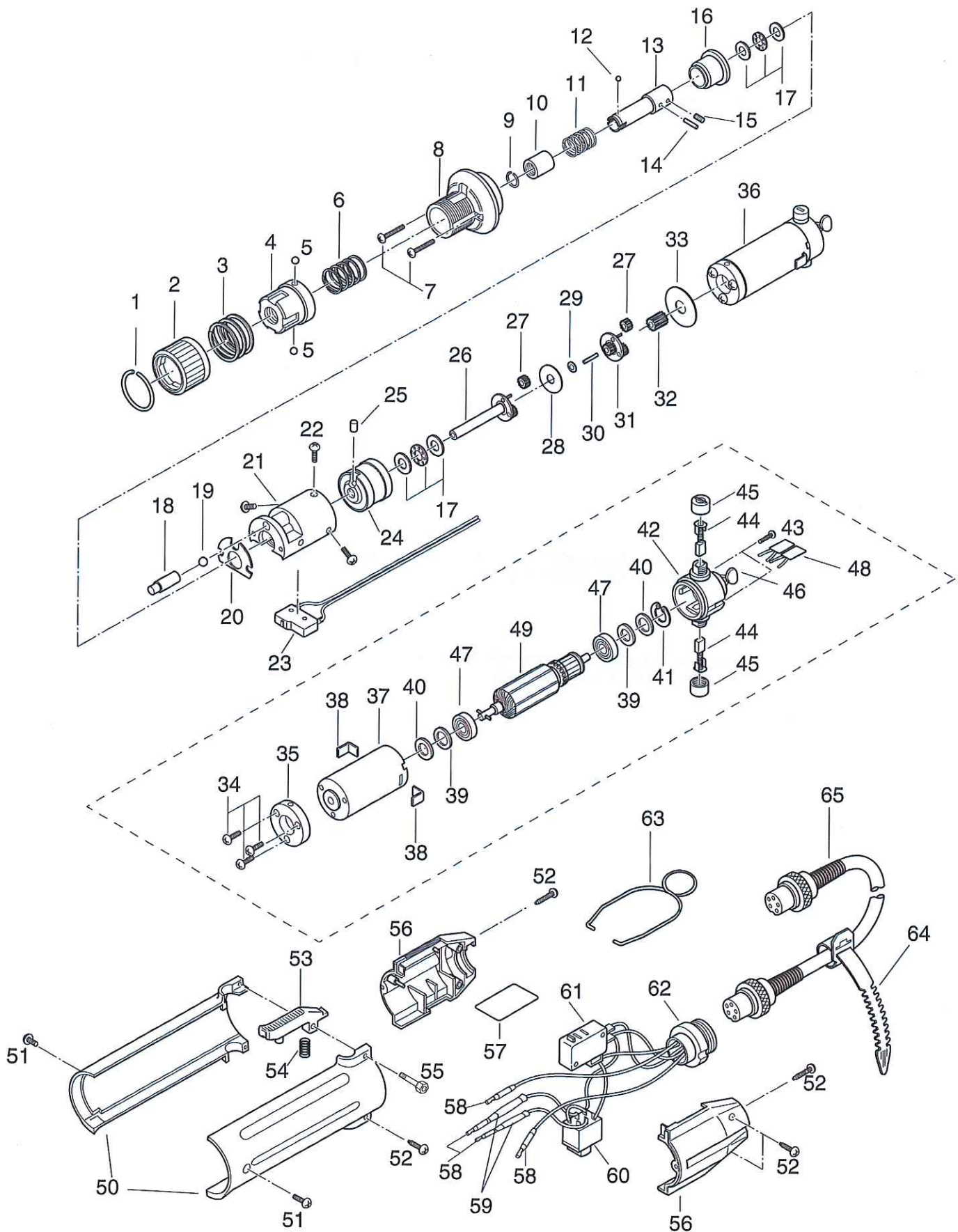


Issued : August, 1995
Revised : Jan.23rd,2009



PARTS LIST OF ALPHA-5000
(HIOS SHANK, HEX SHANK)

ISSUED: August.1995
REVISED: **Sep. 21st, 2016**

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
Transmission Assembly 1 - 33 (W/O 23)	A5-TM	31 Upper Planet Cage	A5-0310
Transmission Assembly 1 - 33 (W/O 23)	A5X-TM	32 Pinion Gear	A5-0320
		33 Grease Seal	A5-0330
Torque Adjusting Nut Assembly 1 - 5	CL4-NT	Motor	
1 Nut Cover Stopper	CL4-0010		
2 Nut Cover	CL4-0020	34 Set Screw 3x5	MSHF30050NITP
3 Nut Cover Spring	CL4-0030	35 Motor Front Panel	CL4-0350
4 Torque Adjusting Nut	CL4-0040	36 Motor	A45-0360
5 Steel Ball 3.0φ	BALL-03	37 Magnet Case	_____
		38 _____	_____
6 Torque Adjusting Spring 2.0φ(Green)	A5-0060	39 Wave Washer	A45-0370
7 Set Screw 2.6x10	MSPF26100NIGP	40 Rotor Adjusting Washer 0.1	A45-0380
8 Torque Adjusting Bolt	CL4-0080	Motor End Cover Assembly 41 - 48	A45NL-3400
Joint Shaft Assembly 9 - 13	A45-JS		
Joint Shaft Assembly 9 - 13	A45X-JS	41 Ring Stopper S	A45-0390
		42 Motor End Cover	A45-0400
9 Collar Stopper	CL4-0090	43 Set Screw 1.7X10	STP17X100
Collar Stopper	CL4X-0090	44 Carbon Brush	A45-0420
10 Joint Shaft Collar	CL4-0101	45 Carbon Brush Cap	A45-0430
Joint Shaft Collar	CL4X-0100	46 Capacitor	CL4-0441
11 Collar Spring	CL4-0110	47 Motor Bearing	A45-0450
Collar Spring	CL4X-0110	48 Condenser 682KG	CL3NL-0440
12 Steel Ball 2.0φ	BALL-02		
Steel Ball 1.5φ	BALL-015	49 Rotor	A45-0460
13 Joint Shaft	A45-0131	50 Body Case A & B	A45-0470
Joint Shaft	A45X-0130	51 Set Screw 2.6x6	MYPF260603CTM
		52 Set Screw 3.5X12	BOHD5F35120NIT
14 Joint Shaft Lock Pin 2x9	SR20X090	53 Switch Lever	A45-0500
15 Set Screw 3x 2.5	SH30X025	54 Switch Lever Spring	CL4-0511
16 Clutch Supporter	CL4-0160	55 Switch Lever Plunger	CL4-0521
Gear Assembly 17 - 33 (W/O 23)	A5-GR	Switch Assembly 52,56 - 62	A5-SW
17 Thrust Bearing 6x11	A45-0170		
18 Clutch Ball Rod	A45-0180	56 Switch Cover A & B	A45-0530
19 Steel Ball 5.0φ	BALL-05	57 Name Plate	A5-0540
20 Gear Case Plate	CL4-0200	58 Terminal Holder	CL4-0550
21 Gear Case	A45-0210	59 Noise Filter B	A45-0630
22 Set Screw 2.6x5	MYPF260503CTM	60 For/Rev Switch	CL4-0560
		61 Starting Switch	CL4-0570
		62 5-Pin Connector	CL4-0580
23 Limit Switch	CL4-0230	63 Hanger	CL4-0594
24 Internal Gear	A5-0240	64 Free-Up Belt	CL4-0600
25 Cam Roller	A45-0250	65 5-Core Cord W/Connectors In Both Ends	CL4-0611
26 Lower Planet Cage	A5-0260		
27 Planet Gear	A5-0270		
28 Gear Plate	A5-0640		
29 Thrust Washer	CL4-0290		
30 Center Pin	A45-0300		