

PARTS LIST OF CLF-3000HH
SCREWDRIVER FOR AUTOMATION
(HIOS SHANK)

ISSUED : November,1991
REVISED : July, 2008

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
Transmission Assembly 1 - 34 (W/O 23)	CLF3-TM	Upper Planet Cage Assembly 29,30,33	CL4-3310
1 Torque Adjusting Nut	CLF4-0040	33 Upper Planet Cage	CL4-0310
2 Fixing Screw	CLQ4-0060	34 Pinion Gear	CL4-0320
3 Torque Adjusting Spring 1.2 φ (Blue)	CL3-0060		
Torque Adjusting Spring 1.0 φ (Gold)	CL3-0060-1	Motor	
4 Flange	CLF4-0020		
5 Set Screw 2.6x10	MSPF26100NIGP	35 Set Screw 3x5	MSHF30050NITP
6 Torque Adjusting Bolt	CLF3-0080	36 Motor Front Panel	CL4-0350
7 Collar Stopper	CL4-0090	37 Motor (Short Size)	CL3-0360
8 Joint Shaft Collar	CL4-0100	38 Magnet Case	_____
9 Collar Spring	CL4-0110	39 _____	_____
10 Support Washer for Spring	CL3-0620	40 Wave Washer	CL4-0370
11 Steel Ball 2.0 φ	BALL-02	41 Rotor Adjusting Washer 0.1	CL4-0380-1
12 Joint Shaft	CL3-0130	Rotor Adjusting Washer 0.2	CL4-0380-2
13 Joint Shaft Lock Pin 2x7	SR20X070		
14 _____		Motor End Cover Assembly 42-48	CL4-3400
15 Clutch Supporter	CL3-0160		
16 Slide Ball Bearing (include #17)	CL3-0630	42 Motor Bearing	CL4-0450
17 Ball	_____	43 Stop Ring	CL4-0390
		44 Motor End Cover	CL4-0400
Gear Assembly 18-34 (W/O 23)	CL3-GR	45 Set Screw 1.7X10	STP17X100
		46 Carbon Brush	A45-0420
18 Clutch Ball Rod	CL4-0180	47 Carbon Brush Cap	A45-0430
19 Steel Ball 5.0 φ	BALL-05	48 Capacitor	CL4-0441
20 Gear Case Plate	CL4-0200		
21 Set Screw 2.6x5	MSPF26050NIGP	49 Rotor	CL3-0460
22 Gear Case	CL3-0210	50 Body Case A & B (Off White)	CL3-0471
		51 Set Screw 2.6x6	MSPF26060NIGP
23 Limit Switch	CL4-0230	52 Set Screw 3.5X12	BOHD5F35120NITP
24 Internal Gear	CL3-0240	Switch Assembly 53-57	CLF3HH-SW1
25 Cam Roller	CL4-0250		
26 Needle Ball Bearing	CL3-0640	53 Switch Cover A & B (Off White)	CL3-0531
27 Thrust Bearing 5x11	CL4-0170	54 Name Plate	CLF3-0540
		55 Side Cover	_____
Lower Planet Cage Assembly 28 - 30	CL4-3260	56 Terminal Holder	CL4-0550
		57 5-Pin Connector	CL4-0580
28 Lower Planet Cage	CL4-0260		
29 Planet Gear	CL4-0270	58 Free-Up Belt	CL4-0600
30 E-Ring	CL4-0280	59 5-Core Cord W/Connectors In Both Ends	CLF65-0620
31 Thrust Washer	CL4-0290		
32 Center Pin	CL4-0300		