

PARTS LIST OF CLF-4000HH
SCREWDRIVER FOR AUTOMATION
(HIOS SHANK)

ISSUED: November,1991
REVISED: Feb.2nd,2011

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
Transmission Assembly 1 - 31 (W/O 20)	CLF4-TM	Upper Planet Cage Assembly 25, 26, 29	CL4-3310
1 Torque Adjusting Nut	CLF4-0040	29 Upper Planet Cage	CL4-0310
2 Fixing Screw	CLQ4-0060	30 Pinion Gear	CL4-0320
3 Torque Adjusting Spring 1.2 φ (Blue)	CL3-0060	31 Grease Seal	CL4-0330
Torque Adjusting Spring 1.5 φ (Red)	CL4-0060		
4 Flange	CLF4-0020	Motor	
5 Set Screw 2.6x10	MSPF26100NIGP		
6 Torque Adjusting Bolt	CLF4-0080	32 Set Screw 3x5	MSHF30050NITP
		33 Motor Front Panel	CL4-0350
Joint Shaft Assembly 7 - 11	CL4-JS	34 Motor	CL4-0360
		35 Magnet Case	_____
7 Collar Stopper	CL4-0090	36 Wave Washer	CL4-0370
8 Joint Shaft Collar	CL4-0100	37 Rotor Adjusting Washer 0.1	CL4-0380-1
9 Collar Spring	CL4-0110	Rotor Adjusting Washer 0.2	CL4-0380-2
10 Steel Ball 2.0 φ	BALL-02		
11 Joint Shaft	<u>CL4-0131</u>	Motor End Cover Assembly 38 - 44	CL4-3400
12 Joint Shaft Lock Pin 2x9	SR20X090	38 Motor Bearing	CL4-0450
13 Set Screw 3x3	SH30X030	39 Stop Ring	CL4-0390
14 Clutch Supporter	CL4-0160	40 Motor End Cover	CL4-0400
		41 Set Screw 1.7X10	STP17X100
Gear Assembly 15 - 31 (W/O 20)	CL4-GR	42 Carbon Brush	CL4-0420
		43 Carbon Brush Cap	CL4-0430
15 Clutch Ball Rod	CL4-0180	44 Capacitor	CL4-0441
16 Steel Ball 5.0 φ	BALL-05		
17 Gear Case Plate	CL4-0200	45 Rotor	CL4-0460
18 Set Screw 2.6x5	MSPF26050NIGP	46 Body Case A & B	CL4-0470
19 Gear Case	CL4-0210	47 Set Screw 2.6x6	MSPF26060NIGP
		48 Set Screw 3.5X12	BOHD5F35120NITP
20 Limit Switch	CL4-0230		
		Switch Assembly 18, 49 - 53	CLF4HH-SW
21 Internal Gear	CL4-0240		
22 Cam Roller	CL4-0250	49 Switch Cover A & B	CL4-0530
23 Thrust Bearing 5x11	CL4-0170	50 Name Plate	CL4-0540
		51 Side Cover	_____
Lower Planet Cage Assembly 24 - 26	CL4-3260	52 Terminal Holder	CL4-0550
		53 5-Pin Connector	CL4-0580
24 Lower Planet Cage	CL4-0260		
25 Planet Gear	CL4-0270	54 Free-Up Belt	CL4-0600
26 E-Ring	CL4-0280	55 5-Core Cord W/Connectors In Both Ends	CLF65-0620
27 Thrust Washer	CL4-0290		
28 Center Pin	CL4-0300		