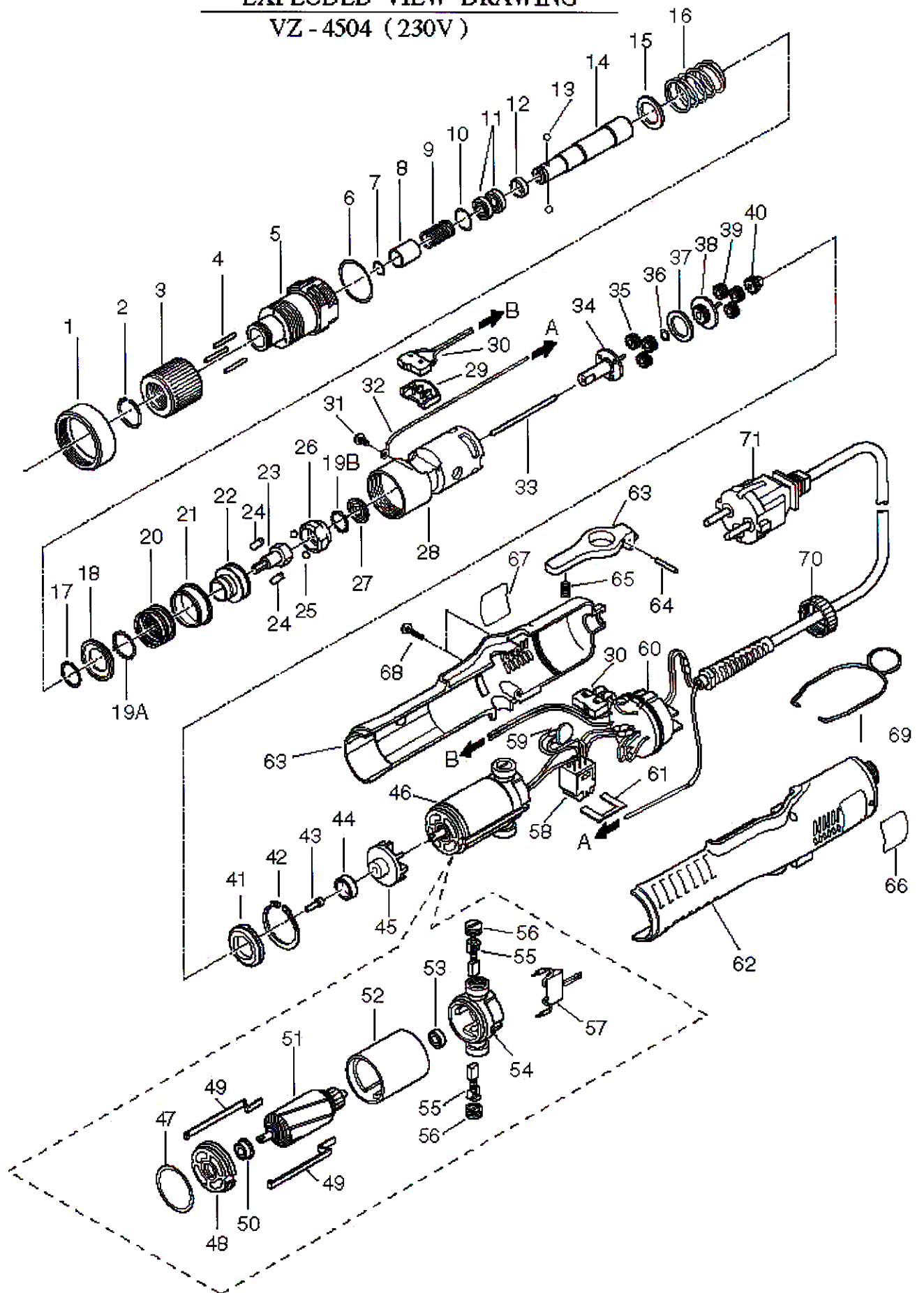


EXPLODED VIEW DRAWING

VZ-4504 (230V)

Issued : Oct, 2007



(Ver No.VZ-423-B)

HIOB inc.

PARTS LIST OF VZ-4504
LEVER START TYPE
(HEX,230V)

ISSUED: April,1998
 REVISED: Oct, 2007

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
1 Front Ring (Green)	VZ18-0010B	41 Grease Seal	VZ18-0660
2 Nut Stopper Ring	VZ18-0022	42 OV-Ring	VZ18-0350
3 Torque Adjusting Nut	VZ18-0030	43 Nylon Rod	VZ18-0700
4 Center Pin 2x19.8	DL20-0140		
5 Torque Adjusting Bolt	VZ18-3050	44 Bearing for Fan (Includes NO.44)	—————
6 O-Ring 18 φ	M3-0260	45 Fan	VZ18-3380
7 Collar Stopper	VZ18X-0070	46 Motor Assembly 230V	VZ18-0390B
8 Joint Shaft Collar	VZ18X-0080	47 Insulation Ring	VZ18-0400
9 Collar Spring	CL65-0130	48 Front Cover	VZ18-0420
10 Stopper Washer (Spring Stopper)	VZ18X-0130	49 Motor Set Band	VZ18-0410
11 Bearing 15x10x4 (x2) Included No.5	—————	50 Ball Bearing	VZ18-0430
12 Joint Shaft Stopper	VZ18-0140		
13 Steel Ball 2.0 φ	BALL-02	51 Rotor 230V	VZ18-0440B
14 Joint Shaft	VZ18X-0120	52 Magnet Case	—————
		53 Motor Bearing	CL65-0410
15 Spring Holder	VZ18-0150	54 End Cover	VZ18-0470B
16 Torque Adjusting Spring	VZ45-0161	55 Carbon Brush	VZ18-0480B
		56 Carbon Brush Cap	VZ18-0490
Clutch Panel Set 17-19A,20-22	VZ45-3220		
		Circuit Assembly	VZ18-3551B
17 Thrust Washer Set Ring	VZ18-0170		
18 Thrust Washer	VZ18-0180	57 Condenser	VZ18-0511B
19A Steel Ball 2.5 φ	BALL-025		
19B Steel Ball 2.5 φ	BALL-025	For/Rev Switch Assembly 58.59	VZ18-3521B
20 Clutch Panel Spring	VZ30-0200	58 For/Rev Switch	—————
21 Clutch Panel Cover	VZ18-0210	59 Noise Filter (Surge Absorber)	—————
22 Clutch Panel	VZ45-0221		
23 Cam	VZ45-0240	60 P.C.B.Assembly(Includes Circuit Assy)	—————
24 Cam Roller 4.5x4.5	VZ40-0250		
25 Steel Ball 4.5 φ	BALL-045	61 Switch Plate	VZ18-0740U
26 Ball Guide	VZ18-0262	62 Body Case A & B (Green)	VZ18-0562B
27 Thrust	VZ18-0270	63 Switch Lever	VZ18-0571B
28 Gear Case	VZ4506-3280	64 Lever Shaft 2X18.8	VZ18-0580
29 Switch Protector	VZ18-0290	65 Switch Lever Spring	VZ18-0591
30 Limit Switch	CL4-0230		
31 Set Screw 3x6	—————	66 Name Plate A (Caution Seal)	VZ4504-0600B
32 Ground Connector (included in No.72)	—————	67 Name Plate B (Model No.Seal)	VZ4504-0610B
33 Center Pin 2x67.1	VZ18-0690	68 Set Screw 3.5x12	B0HD5F35120NITP
34 Lower Planet Cage	VZ4506-0360		
35 Planet Gear 21/1	VZ4506-0370	69 Hanger	CL65-0651
36 Thrust Washer	CL4-0290	70 End Ring (Green)	VZ18-0641B
37 Plate B	A65A-0680	71 A.C.Cord 230V	VZ18-0651B
38 Upper Planet Cage	VZ4506-0400		
39 Planet Gear 31/1	VZ4504-0370		
40 Pinion Gear 31/1	VZ4504-0410		