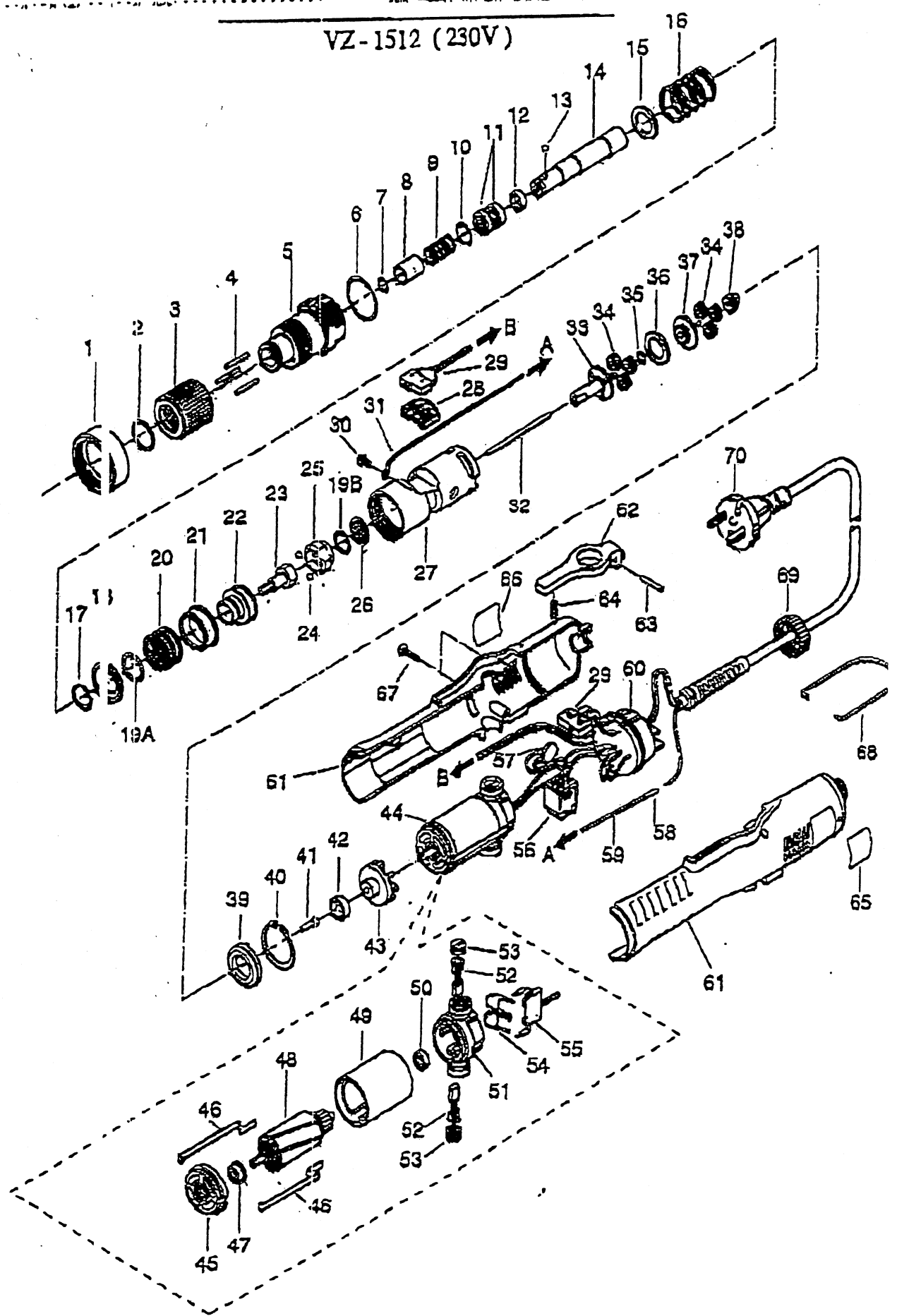


VZ-1512 (230V)



(Ver No. VZ-201-B)

HIOB inc.

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Parts List of VZ-1512
(Lever Type, 230V, HIOS/HEX)

RECEIVED - 3 MAR 2001

Issued, February, 2001

Ref.No.	Parts Name	Parts No.	Ref.No.	Parts Name	Parts No.
1	Front Ring (Green)	VZ18-0010B	37	Upper Planet Cage	VZ30-040Q
2	Nut Stopper Ring	VZ18-0020	38	Pinion Gear 12.8/1	VZ30-041D
3	Torque Adjusting Nut	VZ18-0030	39	Grease Seal	VZ18-066D
4	Knocking Roller (x2)	VZ30-004Q	40	O.V-Ring	VZ18-035D
5	Torque Adjusting Bolt	VZ18-305D	41	Joint Pin	VZ18-070Q
6	O-Ring 18	M3-026D	42	Bearing for Fan (Included in No.43)	
7	Collar Stopper for HIOS Shank to HEX Shank 8.35	CL65-011D VZ18X-007D	43	Fan	VZ18-338D
8	Joint Shaft (Collar for HIOS Shank to HEX Shank 8.35)	VZ18-008D VZ18X-008D	44	Motor Assembly (230V)	VZ18-0390B
9	Collar Spring	CL65-013D	45	Front Cover	VZ18-042D
10	Stopper Washer (Spring Stopper) for HIOS Shank for HEX Shank 8.35	VZ18-013D VZ18X-013D	46	Motor Set Band (x2)	VZ18-041D
11	Bearing 12x11 x (x2) included in No.5		47	Ball Bearing	VZ18-043D
12	Joint Shaft; Stopper	VZ18-014D	48	Rotor (230V)	VZ18-0440B
13	Steel Ball 2.1 φ (x2) for HIOS Steel Ball 2.0 φ (x2) for HEX	BALL-025 BALL-02	49	Magnet Case	CL65-041D
14	Joint Shaft for HIOS Shank for HEX Shank	VZ18-012D VZ18X-012D	50	Ball Bearing	VZ18-047D
15	Spring Holder	VZ18-018D	51	End Cover	VZ18-0480B
16	Torque Adjusting Spring	VZ18-016D	52	Carbon Brush (x2)	VZ18-049D
Clutch Panel Set : 17-18A, 20-22		VZ18-322D	53	Carbon Brush Cap (x2)	VZ18-3551B
17	Thrust Washer Set Ring	VZ18-017D	Circuit Assembly 22(x2), 54-60		
18	Thrust Washer	VZ18-018D	54	Condenser A	VZ18-050Q
19A	Steel Ball .5 φ (x22)	BALL-025	55	Condenser B	VZ18-0511B
19B	Steel Ball .5 φ (x15)	BALL-025	For/Rev Switch Assembly 56, 57		VZ18-3521B
20	Clutch Panel Spring	VZ18-020D	56	For/Rev Switch	
21	Clutch Panel Cover	VZ18-021D	57	Noise Filter (Surge Absorber)	
22	Clutch Panel	VZ18-022D	58	Sleeve (Included in No.70)	
23	Cam	VZ18-024D	59	Earth Cord (Included in No.70)	
24	Steel Ball 4 φ (x2)	BALL-045	60	P.C.B Assembly (Included in circuit essay)	
25	Ball Guide	VZ18-026D	61	Body Case A & B (Green)	VZ18-0561B
26	Thrust	VZ18-027D	62	Switch Lever (Green)	VZ18-0570B
27	Gear Case	VZ18-028D	63	Switch Lever Shaft	VZ18-058D
28	Switch Protector	VZ18-028D	64	Switch Lever Spring	VZ18-059D
29	Limit Switch (x2)	CL4-023D	65	Name Plate A	VZ1812-0680B
30	Set Screw 3x6	SPW30X36Q	66	Name Plate B (Model No Seal)	VZ1812-0610B
31	Ground Grommet (Included in No.70)		67	Body Case Set Screw 3x12 (x2)	STP30X12D
32	Center Pin (In sh rod B) 2x671	VZ18-069D	68	Hanger	VZ18-063D
33	Lower Planet Cage	VZ30-036D	69	End Ring	VZ18-0641B
34	Planet Gear 1 18/1 (x6)	VZ30-037D	70	A.O Cord (230V)	VZ18-0650B
35	Thrust Washer	CL4-023D			
36	Plate B	VZ30-039D			

* HIOS Shank suitable to produce only Model VZ-1812

± HIOS Shank possible to produce any Model VZ-1812

(VZ-201-B)

HIOS INC.,

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