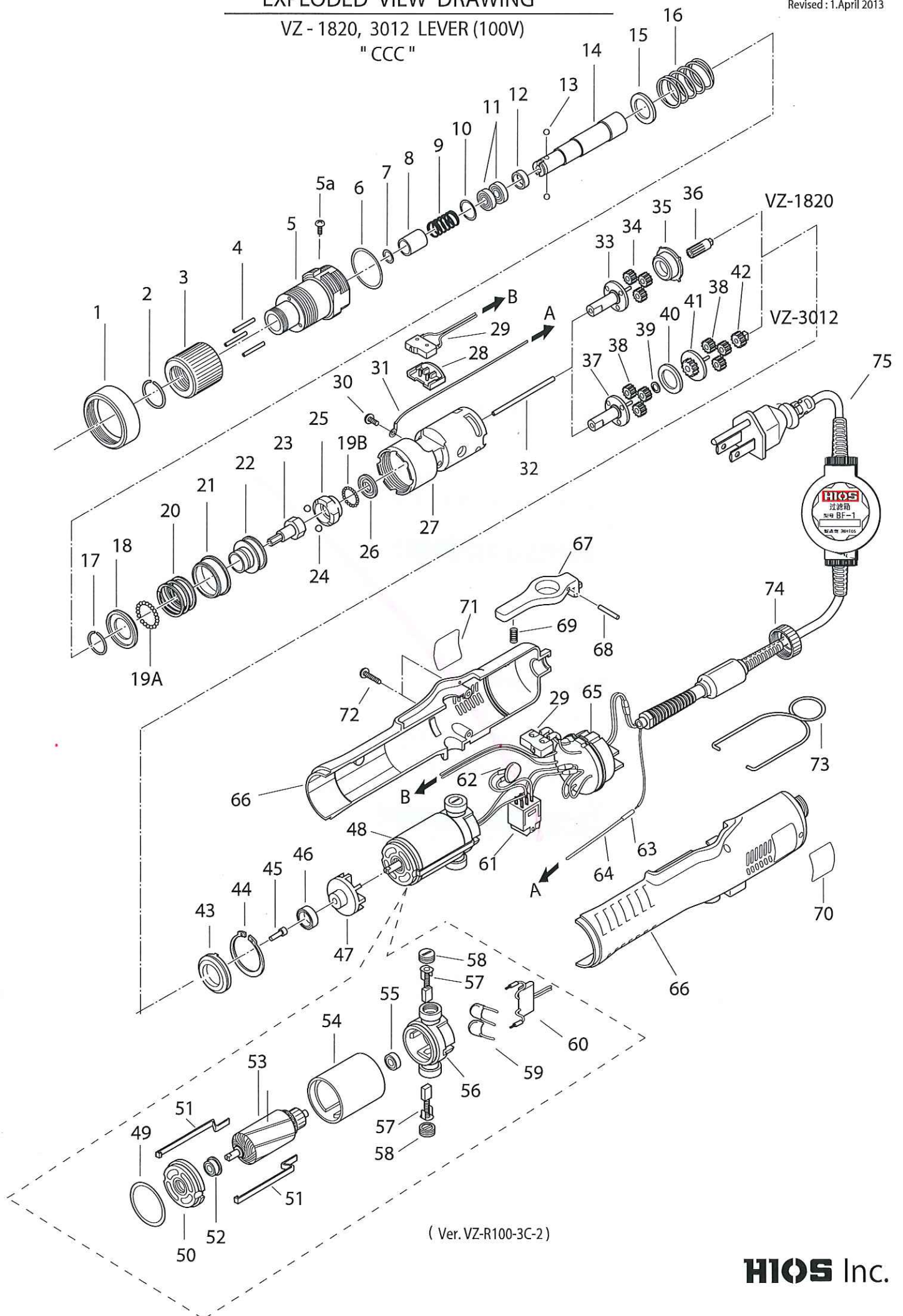


EXPLODED VIEW DRAWING

VZ - 1820, 3012 LEVER (100V)
"CCC"

Issued : May,21st,2009
Revised : 1.April 2013



PARTS LIST OF VZ-1820, 3012
(LEVER TYPE 100V HIOS, HEX) W/Earth
" CCC "

ISSUED: May, 21st, 2009
REVISED: Aug. 22nd, 2017

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
1 Front Ring Assy (CCC)	VZ18C-3010	37 Lower Planet Cage	VZ30-0360
2 Nut Stopper Ring	VZ18-0022	38 Planet Gear 10.8/1	VZ30-0370
3 Torque Adjusting Nut	VZ18-0031	39 Thrust Washer	CL4-0290
4 Knotting Roller 2x21.8 for VZ-1820, 3pcs	VZ18-0041	40 Plate B	VZ30-0390
2x20.8 for VZ-3012, 3pcs	VZ30-0040	41 Upper Planet Cage	VZ30-0400
5 Torque Adjusting Bolt	VZ18-3050	42 Pinion Gear 10.8/1	VZ30-0410
5a Set Screw 3x2.5	SPP30X025	43 Grease Seal	ACL20-0351
6 O-Ring 18φ	M3-0260	44 OV-Ring	VZ18-0350
7 Collar Stopper for HIOS SHANK	CL65-0110	45 Nylon Rod	VZ18-0700
for HEX SHANK	VZ18X-0070	46 Bearing for Fan (Includes NO.47)	_____
8 Joint Shaft Collar for HIOS SHANK	VZ18-0080	47 Fan	VZ18-3380
for HEX SHANK	VZ18X-0080		
9 Collar Spring	CL65-0130	48 Motor 100V	VZ18-0390
10 Spring Stopper for HIOS SHANK	ACL20-0130	49 _____	_____
for HEX SHANK	VZ18X-0130	50 Front Cover	VZ18-0420
11 Bearing 15x10x4 (x2) Includes No. 5	_____	51 Motor Set Band	VZ18-0410
12 Joint Shaft Stopper	VZ18-0140	52 Ball Bearing	VZ18-0430
13 Steel Ball 2.5φ, 2pcs	BALL-025	53 Rotor 100V	VZ18-0440
14 Joint Shaft for HIOS SHANK	VZ18-0121	54 Magnet Case	_____
for HEX SHANK	VZ18X-0120	55 Motor Bearing	CL65-0410
15 Spring Holder	VZ18-0150	56 End Cover	VZ18-0470
16 Torque Adj. Spring 2.6φ (Silver) for VZ-1820	VZ18-0160	57 Carbon Brush	VZ18-0480
Torque Adj. Spring 3.6φ (Black) for VZ-3012	VZ30-0160	58 Carbon Brush Cap	VZ18-0490
Clutch Panel Set 17-19A, 22-23	VZ18-3220	59 Capacitor A	VZ18-0501
		60 Capacitor B	VZ18-0511
17 Thrust Washer Set Ring	VZ18-0170	Circuit Assembly 29, 61, 62, 65	VZ18-3551C
18 Thrust Washer	VZ18-0180		
19A Steel Ball 2.5φ	BALL-025	For/Rev Switch Assembly 61, 62	VZ18-3521
19B Steel Ball 2.5φ for HIOS SHANK	BALL-025		
2.0φ for HEX SHANK	BALL-020	61 For/Rev Switch	_____
20 Clutch Panel Spring	VZ30-0200	62 Noise Filter (Surge Absorber)	_____
21 Clutch Panel Cover	VZ18-0210		
22 Clutch Panel	VZ18-0220	63 Sleeve (Included In no.75)	_____
		64 Earth Cord (Included In NO.75)	_____
23 Cam	VZ18-0241		
24 Steel Ball 4.5φ, 2pcs	BALL-045	65 P.C.B. Assembly (Includes Circuit Assy)	_____
25 Ball Guide	VZ18-0262		
26 Thrust	VZ18-0270	66 Body Case A&B	VZ18C-0560
27 Gear Case for VZ-1820	VZ18-0280	67 Switch Lever	VZ18-0571
Gear Case for VZ-3012	VZ18-3280	68 Lever Shaft 2X18.8	VZ18-0580
28 Switch Protector	VZ18-0290	69 Switch Lever Spring	VZ18-0591
29 Limit Switch	CL4-0230	70 Caution Seal	VZ18-0601CCC
		71 Name Plate B (Model No. Seal)	VZ1820-0610CCC
30 Set Screw 3.5x5.5	MSHW7F350553CTP	Name Plate B (Model No. Seal)	VZ3012-0610CCC
31 Ground Connector (Included in NO.75)	_____	72 Set Screw 3.5x12, 2pcs	BOHD5F35120NITP
32 Center Pin 2x 71.9	VZ18-0690	73 Hanger	CL65-0651
33 Lower Planet Cage	VZ18-0310	74 End Ring	VZ18-0641
34 Planet Gear 6.33/1	VZ18-0320	75 A.C. Cord 100V (CCC)	VZ18-3652CCC
35 Spacer	VZ18-0330		
36 Pinion Gear 6.33/1	VZ18-0360		