

PARTS LIST OF VB-1820PS /3012PS (120V)
(Push to Start Type)

ISSUED : February, 2007

REVISED : July,30,2009

PARTS NAME	PARTS NO.	PARTS NAME	PARTS NO.
1 Torque Adjusting Protect Cover Front Ring Assy (2 , 3)	VB18-0920 VB18-3010-1	44 Plate B	VZ30-0390
2 Rubber Ring	_____	45 Upper Planet Cage	VZ30-0400
3 Front Ring	_____	46 Pinion Gear	VZ30-0410
4 Collar Stopper for HIOS for 1/4 HEX	CL65-0110 VZ18X-0070	47 Grease Seal	ACL20-0351
5 Collar Spring	BL65-0120	48 OV-Ring	VZ18-0350
6 Joint Shaft Collar for HIOS for 1/4 HEX	VZ18-0081 VB18X-0081	49 Joint Pin	VZ18PS-0700
7 Nut Stopper Ring	VZ18-0022	50 Center Pin 2X21.8	VZ18-0041
8 Torque Adjusting Nut	VZ18-0030	51 Bearing (included with No.52)	-----
9 Knotting Roller for VB-1820 for VB-3012	VZ18-0041 VZ30-0040	52 Fan Assy	VB18-3381
10 Torque Adjusting Bolt (W/Bearing)	VZ18-3050	53 Insulation Ring	VB18-0400
11 Set Screw 3X25	SPP30X025	54 Motor	VB18-0391-120
12 O-Ring 18dia	M3-0260	55 Body Case A&B	VB18PS-0564
13 Spling Stopper for HIOS for 1/4 HEX	ACL20-0130 VZ18X-0130	56 Pivot	VZ18PS-0660
14 Bearing 15X10X4 (X2) Included no.10		Circuit Assmbly	VB18PS-3550
15 Steel Ball 2.5dia	BALL-025	57 For/Rev Switch	VB18-0521
16 Joint Shaft for HIOS for 1/4 HEX	VZ18-0120 VZ18X-0120	58 Limit Switch	CL4-0230
17 Push Spring	VZ18-0651	59 Name Plate	VZ18-0601
18 Spring Holder	VZ18-0150	60 Name Plate for VB-1820PS for VB-3012PS	VB1820PS-0610 VB3012PS-0610
19 Torque Adjusting Spring for VB-1820 Torque Adjusting Spring for VB-3012	VZ18-0160 VZ30-0160	61 } Lever Shaft 2X18.8	VZ18-0580
20 Thrust Washer Set Ring	VZ45-0170	62 } Push Lever	VB18PS-0572-AB
21 Thrust Washer	VZ18-0180	63 }	
22 Steel Ball 2.5dia	BALL-025	64 Push Lever Spring	VB18PS-0681
23 Clutch Panel Spring	VZ30-0220	65 Switch Hold Spring	VB18PS-0671
24 Clutch Panel Cover	VZ18-0210	66 Set Screw 3x12	B0HD5F35120N1TP
25 Clutch Panel	VZ18-0220	67 PCB Assembly (Included in Circuit Assy)	-----
26 Cam	VZ18-0241	68 Hanger	CL65-0651
27 Cam Roller 4.5X4.5	VZ40-0250	69 End Ring	VB18-0642-1
28 Steel Ball 4.5dia	BALL-045	70 AC Cord W/Earth	VZ18-3650U
29 Ball Guide	VZ18-0262		
30 Steel Ball 2.5dia	BALL-025		
31 Thrust	VZ18-0270		
32 Gear Case	VZ18-0280		
33 Set Screw 3x2.5	SPP30X025		
34 Ground Connector	-----		
35 Switch Protector	VZ18-0290		
36 Limit Switch	CL4-0230		
37 Center Pin	VZ18PS-0690		
38 Lower Planet Cage	VZ18-0310		
39 Planet Gear	VZ18-0320		
40 Spacer	VZ18-0330		
41 Pinion Gear	VZ18-0360		
42 Lower Planet Cage	VZ30-0360		
43 Thrust Washer	CL4-0290		