

**SMAKY**

**SM-A80HI -automatic bowl lift-  
Parts Catalogue & Electrical Diagram**

**SMAKY AB**

Regulatorvägen 21, S-141 49 Huddinge, Sweden

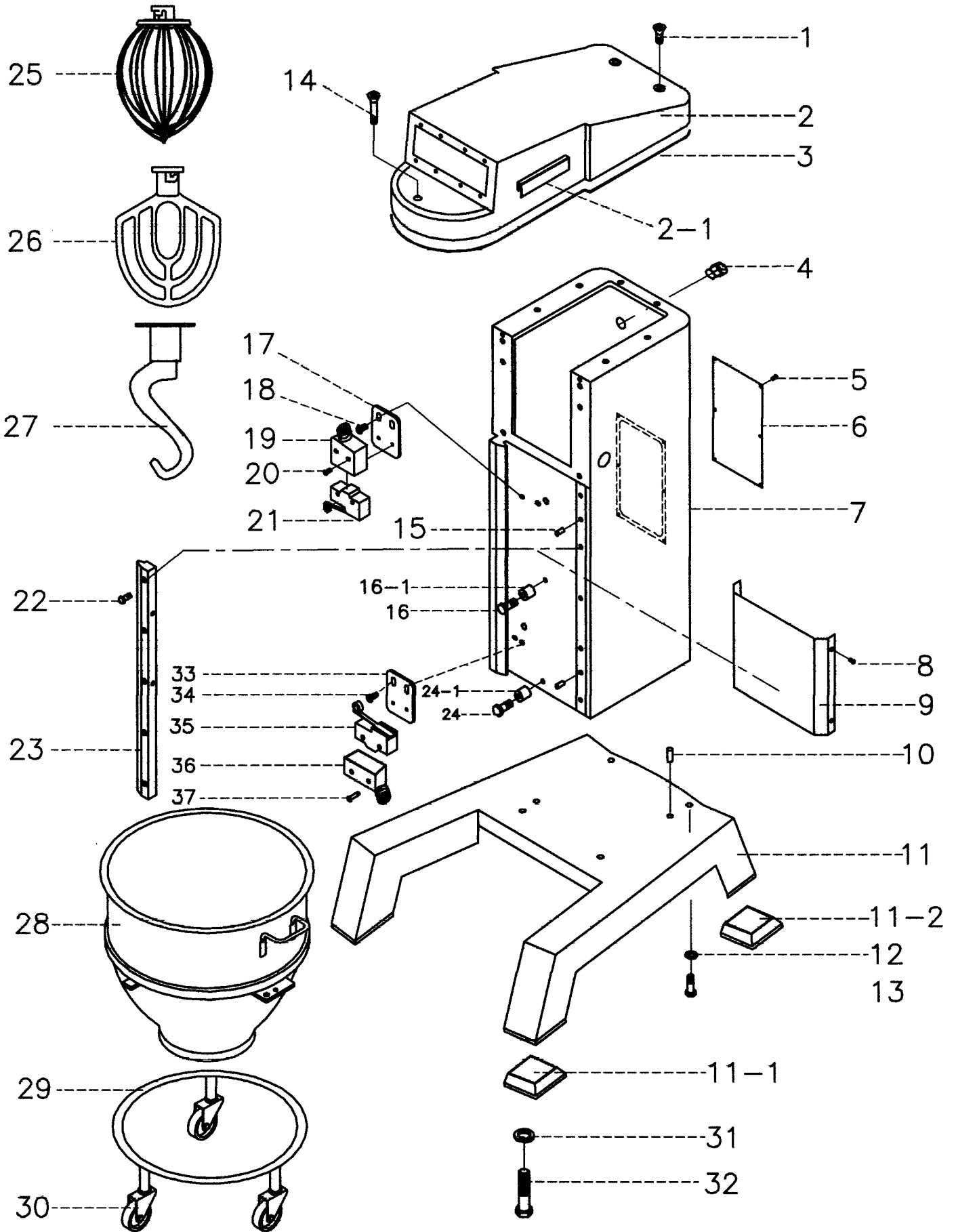
Tel+ 46 8 657 9490

Fax+ 46 8 657 8980

<http://www.smakymixers.com>

e-mail: [info@smaky.com](mailto:info@smaky.com)

# Base Unit - A



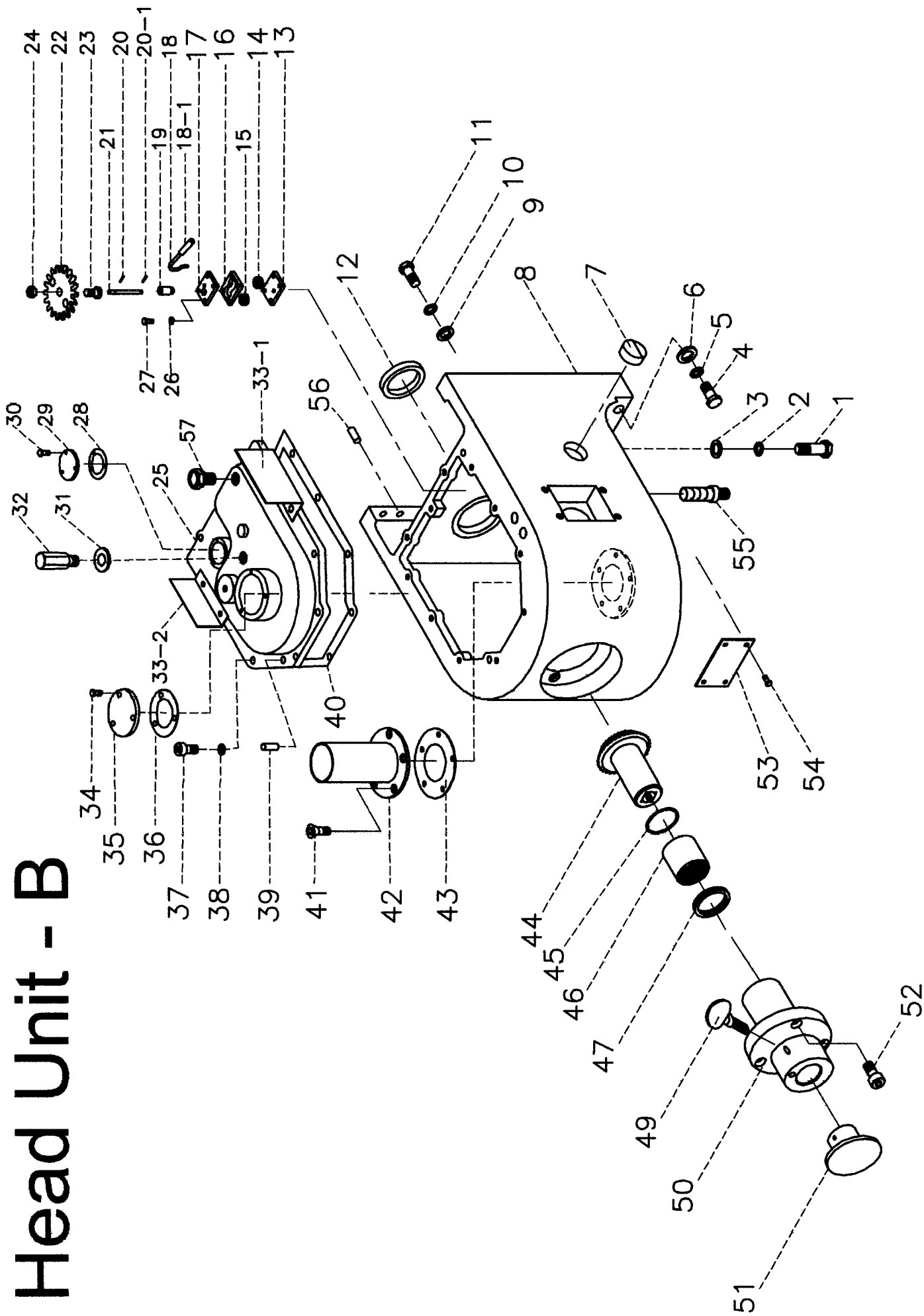
## Parts Table A for Base Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	A-8001	Screw: M8x1.25	2	
2	A-8002	Transmission case cover	1	
2_1	A-8002-1	Strain Reliever	1	
3	A-8003	Rubber cover seat	1	
4	A-8004	Strain relief	1	
5	A-8005	Screw: M5x0.8	6	
6	A-8006	Column rear plate	1	
7	A-8007	Mixer column	1	
8	A-8008	Screw: M5x0.8	4	
9	A-8009	Column front plate	1	
10	A-8010	Ø 10 mounting pin	2	
11	A-8011	Base	1	
11_1	A-8011-1	Rubber mates (front)	2	
11_2	A-8011-2	Rubber mates (rear)	2	
12	A-8012	Spring washer: M14	4	
13	A-8013	Screw: M14x2.0	4	
14	A-8014	Screw: M8x1.25	1	
15	A-8015	Pin: Ø 10	3	
16	A-8016	Screw	1	
16_1	A-8016_1	Sleeve	1	
17	A-8017	Mounting plate	1	
18	A-8018	Screw: M5x0.8	2	
19	A-8019	Micro switch housing	1	
20	A-8020	Screw: M4x0.7	2	
21	A-8021	Micro switch	1	
22	A-8022	Screw: M12x1.75	10	
23	A-8023	Front bowl slide	1	
24	A-8024	Pin: M12x1.75	1	
24_1	A-8024-1	Sleeve	1	
25	A-8025	Wire whip	1	
26	A-8026	Flat beater	1	Standard Accessory
	A-8026-1	S/S Flat beater	1	Optional Accessory
27	A-8027	Spiral Dough Hook (Round Type)	1	Optional Accessory
	A-8027-1	J Type Dough Hook	1	Optional Accessory
	A-8027-2	Spiral Dough Hook (Square	1	Standard Accessory
28	A-8028	S/S Bowl	1	

### Parts Table A for Base Unit

Item	Parts No.	Name of Parts	Qty.	Remark
29	A-8029	Trolley	1	
30	A-8030	(1/2 UNC) wheels	4	
31	A-8031	(1/2 UNC) washer	4	
32	A-8032	(1/2 UNC) screw	4	
33	A-8033	Steady (for Microswitch)	1	
34	A-8034	Screw: M6 x 1.0	2	
35	A-8035	Micro switch	1	
36	A-8036	Housing (for Microswitch)	1	
37	A-8037	Screw: M4x0.7	2	

# Head Unit - B



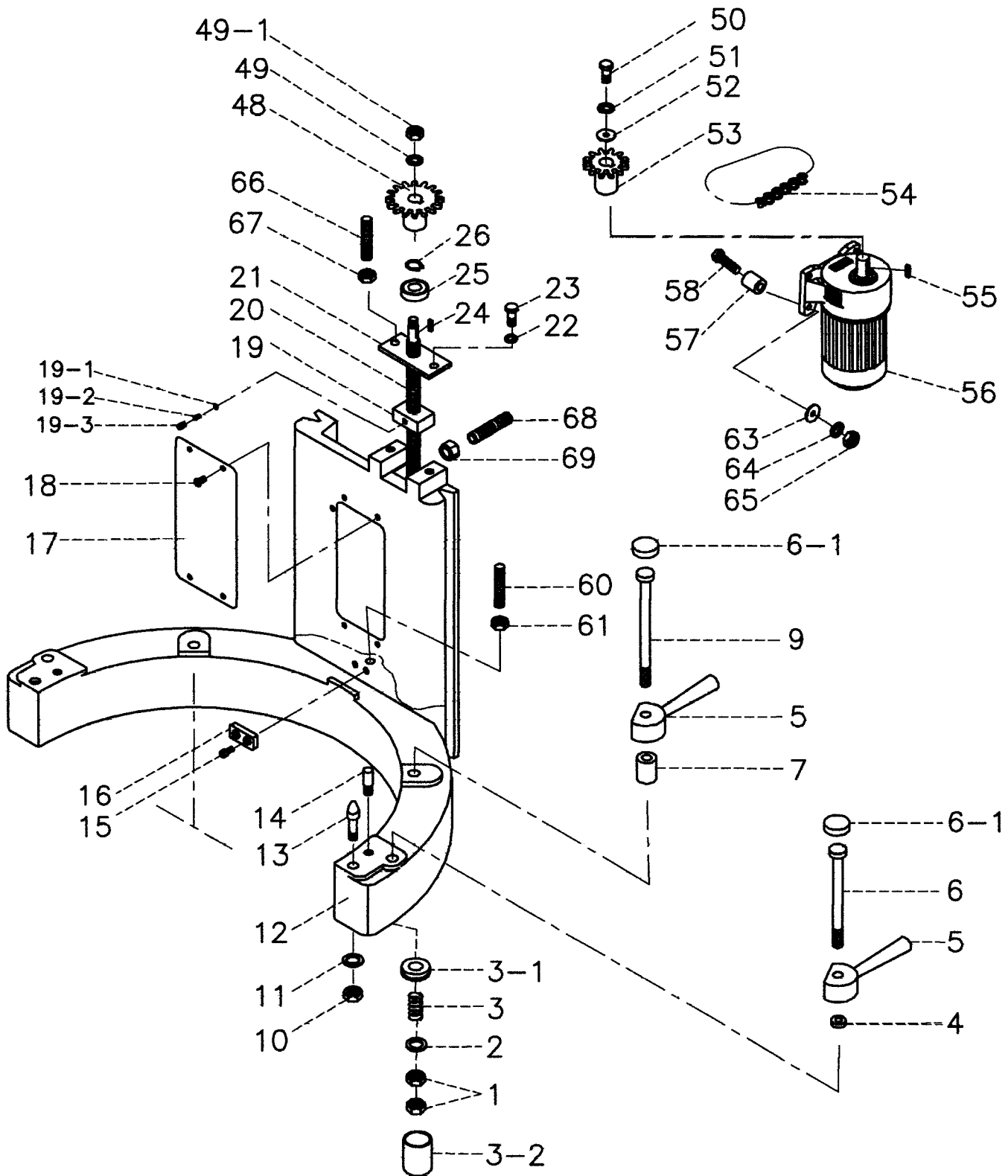
## Parts Table B for Head Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	B-8001	Screw: M10x1.5	1	
2	B-8002	Spring washer: M10	1	
3	B-8003	Washer: M10	1	
4	B-8004	Mach screw: M12x1.75	2	
5	B-8005	Spring washer: M12	2	
6	B-8006	Washer: M12	2	
7	B-8007	Gauge oil level	1	
8	B-8008	Case transmission	1	
9	B-8009	Washer: M12x1.75	6	
10	B-8010	Spring washer: M12	6	
11	B-8011	Mach screw: M12	6	
12	B-8012	Seal oil: TC50x80x10	1	
13	B-8013	Plate oil pump bottom	1	
14	B-8014	Gear oil pump right: 15T	1	
15	B-8015	Gear oil pump left: 15T	1	
16	B-8016	Gear set pump	1	
17	B-8017	Housing & tube assy	1	
18	B-8018	Pump outlet bronze pipe	1	Pump Assy.
18_1	B-8018-1	Plastic tube	1	
18_2	***	***	***	
18_3	***	***	***	***
19	B-8019	Pump shaft bushing	1	
20	B-8020	Rollpin: Ø2x18	1	
20_1	B8020-1	Rollpin:Ø2x10	1	
21	B-8021	Shaft oil pump	1	
22	B-8022	Gear: 29T	1	
23	B-8023	Conveying gear pipe	1	
24	B-8024	Nut	1	
25	B-8025	Cover transmission case	1	
26	B-8026	Spring washer: M5	1	
27	B-8027	Screw: M5x0.8	2	
28	B-8028	Lead-in oil pad	1	
29	B-8029	Transmission shaft Bearing	1	
30	B-8030	Screw: 5x0.8	3	
31	B-8031	Spring washer: M20	1	
32	B-8032	Bolt: M20x2.0	1	

## Parts Table B for Head Unit

Item	Parts No.	Name of Parts	Qty.	Remark
33	***	***	***	***
33_1	B-8033-1	Top cover assy (right)	1	
33_2	B-8033-2	Top cover assy (left)	1	
34	B-8034	Screw: M5x0.8	3	
35	B-8035	Retainer-drive shaft bearing	1	
36	B-8036	Lead-in oil pad	1	
37	B-8037	Cap screw M8x1.25	11	
38	B-8038	Washer: M8	11	
39	B-8039	Pin: Ø8	2	
40	B-8040	Lead-in oil pad gasket	1	
41	B-8041	Mach screw: M5x0.8	5	
42	B-8042	Lead-in oil bushing	1	
43	B-8043	Lead-in oil bush pad	1	
44	B-8044	Level drive gear: 16T	1	
45	B-8045	Washer-thrust: Ø45	1	
46	B-8046	Sleeve square drive TA-35x30	2	
47	B-8047	Seal-oil: TC 35x45x8	1	
48	***	***	***	***
49	B-8049	(1/2 UNC) thumb screw	1	
50	B-8050	Hub-attachment	1	
51	B-8051	Plug-attachment hole	1	
52	B-8052	Mach screw: M6x1.0	3	
53	B-8053	transmission front guard	1	
54	B-8054	Screw: M5x0.8	4	
55	B-8055	Dowel	1	
56	B-8056	Mach dowel: Ø10	2	
57	B-8057	Oil tube fixture	1	

# Power Bowl Lift Unit - C & H





## Parts Table C & H for Power Bowl Lift Unit

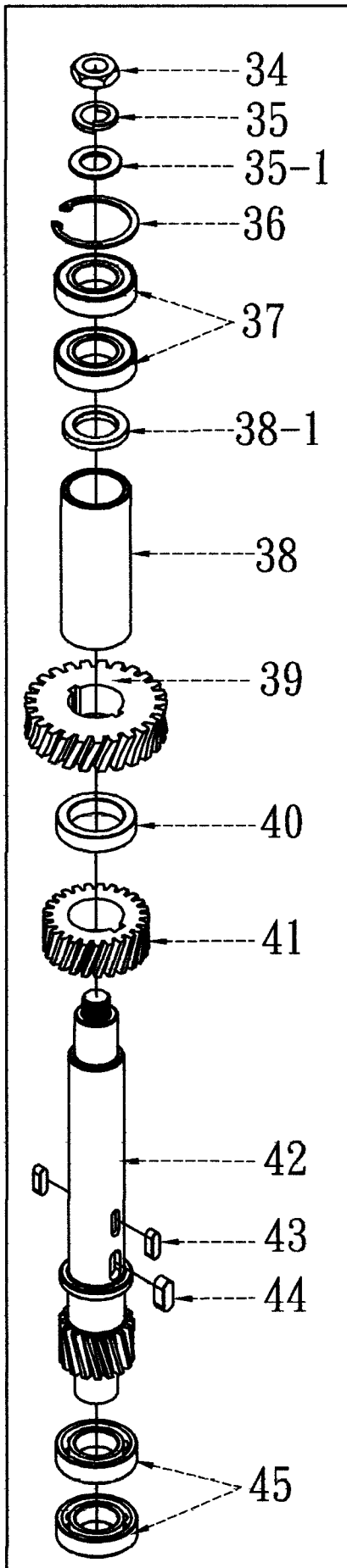
Item	Parts No.	Name of Parts	Qty.	Remark
1	C-8001	Nut: M12 x 1.75	8	
2	C-8002	Sfpring washer: M12	4	
3	C-8003	Spring	4	
3_1	C-8003-1	Spacer	4	
3_2	C-8003-2	Sleeve	4	
4	C-8004	Bronze bushing (front)	2	
5	C-8005	Bowl clamps	4	
6	C-8006	Screw (front): M12	2	
6_1	C-8006-1	Screw cover	4	
7	C-8007	Bronze bushing (rear)	2	
8	***	***	***	
9	C-8009	Screw (rear): M12	2	
10	C-8010	Nut: M12	2	
11	C-8011	Spring washer: M10	2	
12	C-8012	Bowl raise cradle	2	
13	C-8013	Screw: M10	2	
14	C-8014	Screw: M8	2	
15	C-8015	Screw: M8 x 1.25	2	
16	C-8016	Lokcing bracket	1	
17	C-8017	Bowl cradle front cover	1	
18	C-8018	Screw: M5 x 0.8	4	
19	C-8019	Nut	1	Bowl Raise Screw Assy.
19_1	C-8019-1	Ring	1	
19_2	C-8019-2	Spring	1	
19_3	C-8019-3	Screw: M6 x 1.0	1	
20	C-8020	Bowl raise screw	1	
21	C-8021	Nut mounting plate	1	
22	C-8022	Spring washer: M10	2	
23	C-8023	Screw: M10 x 1.5	2	
24	C-8024	Key-way: 6 x 6	1	
25	C-8025	Ball bearing: 6203	1	
26	C-8026	C-ring: RTW-40	1	
48	H-8048	Chain gear: 16T	1	
49	H-8049	Washer: M16	1	
49_1	H-8049-1	Nut: M16 x 2.0	1	
50	H-8050	Screw: M6 x 1.0	1	

## Parts Table C & H for Power Bowl Lift Unit

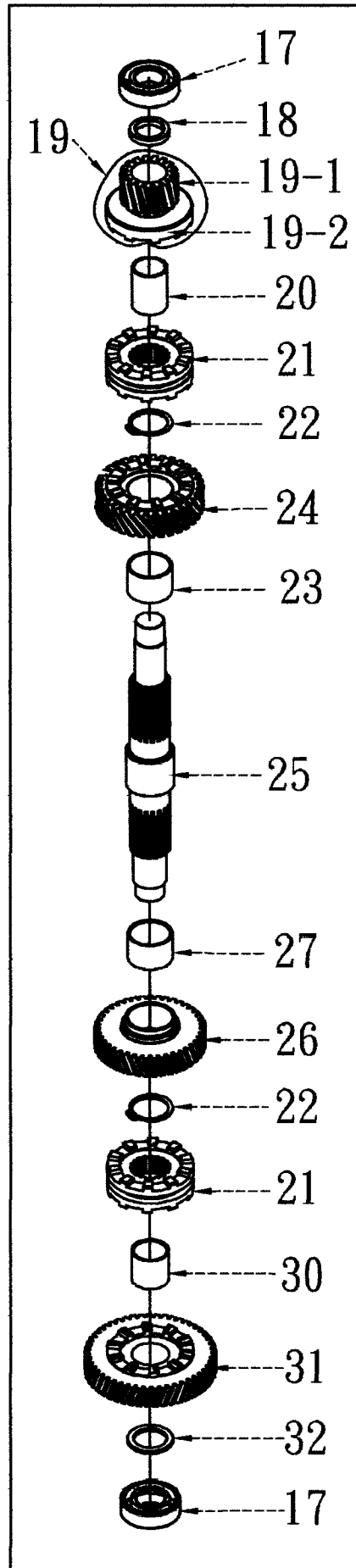
Item	Parts No.	Name of Parts	Qty.	Remark
51	H-8051	Spring washer: M6	1	
52	H-8052	Washer: M6	1	
53	H-8053	Chain gear: 12T	1	
54	H-8054	Chain: 3/8	1	
55	H-8055	Key way: 6 x 6	1	
56	H-8056	Motor: 1/8HP	1	Please indicate the voltage when ordering
57	H-8057	Sleeve	4	
58	H-8058	Screw: M8 x 1.25	4	
59	***	***	***	
60	H-8060	Nut: M10	1	
61	H-8061	Screw: M6	1	
62	***	***	***	
63	H-8063	Washer: M8	4	
64	H-8064	Spring washer: M8	4	
65	H-8065	Nut: M8	4	
66	H-8066	Screw: M10	1	
67	H-8067	Nut: M10	1	
68	H-8068	Screw: M6	1	
69	H-8069	Nut: M6	1	

# Gear Box Unit-D

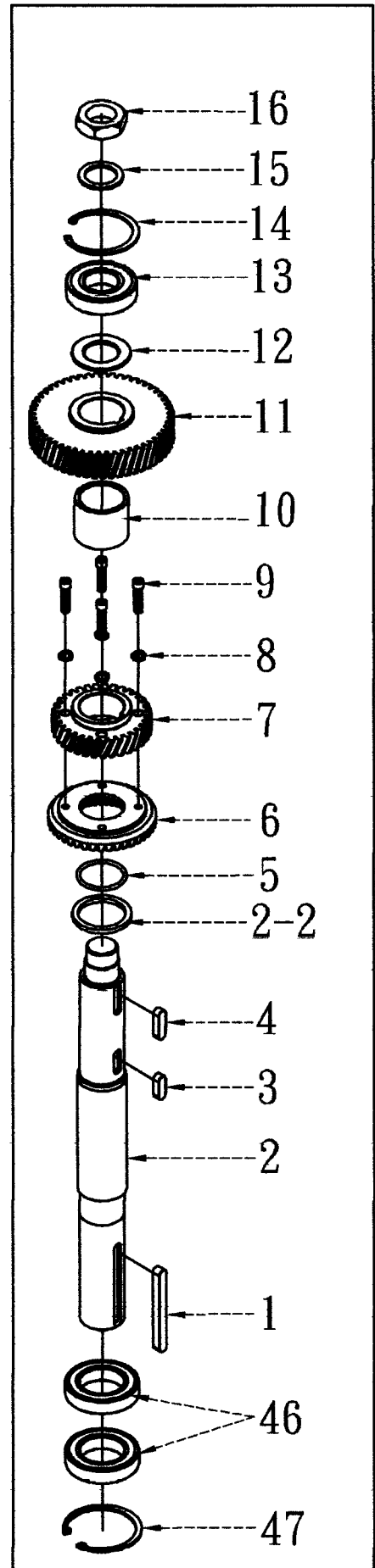
TRANSMISSION SHAFT ASSY.



MASTER SHAFT ASSY.



DRIVE SHAFT ASSY.



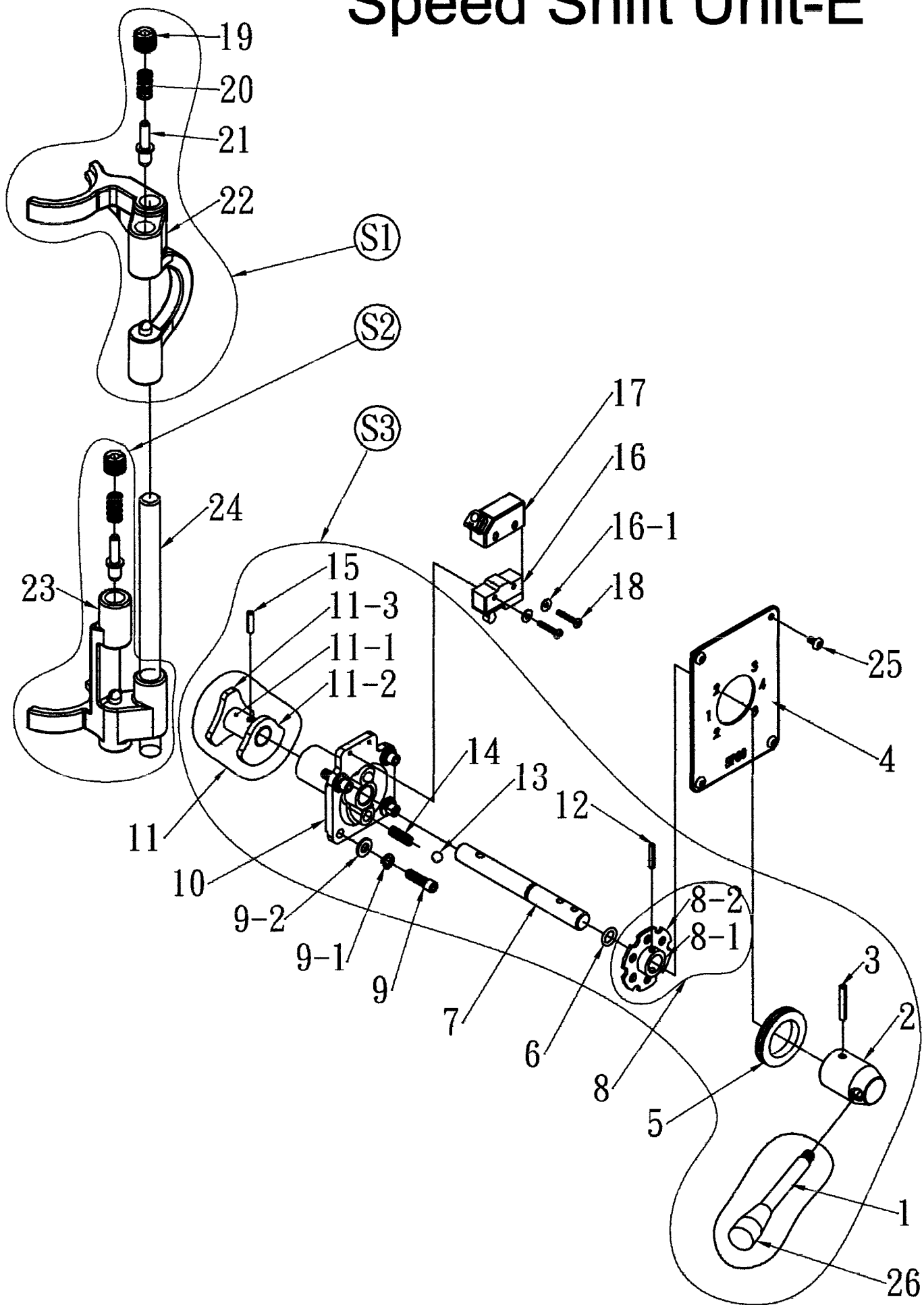
## Parts Table D for Gear Box Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	D-8001	Key-way: 10 x 10	1	
2	D-8002	Drive shaft	1	
2_2	D-8002-2	Pad	1	
3	D-8003	Key-way: 10 x 10	1	
4	D-8004	Key-way: 10 x 10	1	
5	D-8005	O-ring	1	
6	D-8006	Gear: 41T	1	
7	D-8007	Main shaft gear: 3T	1	
8	D-8008	Spring washer: M8	4	
9	D-8009	Screw: M8 x 1.25	4	
10	D-8010	Drive shaft bronze bushing	1	
11	D-8011	Drive shaft gear: 53T	1	
12	D-8012	Drive shaft pad	1	
13	D-8013	Ball bearing: 6207LLU	1	
14	D-8014	C-ring: RTW-72	1	
15	D-8015	Spring washer: M32	1	
16	D-8016	Nut: M32 x 1.5	1	
17	D-8017	Ball bearing: 6205z	2	
18	D-8018	Master shaft pad	1	
19	D-8019	Master shaft gear: 17T	1	Master shaft gear assy. (include Item 19-1 & 19-2)
20	D-8020	Bronze bushing	1	
21	D-8021	Clutch sleeve	1	
22	D-8022	C-ring: STW-35	1	
23	D-8023	Bronze bushing	1	
24	D-8024	Master shaft gear: 33T	1	
25	D-8025	Master shaft	1	
26	D-8026	Master shaft gear: 41T	1	
27	D-8027	Bronze bushing	1	
28	***	***	***	Same as Part No. D-8022
29	***	***	***	Same as Part No. D-8021
30	D-8030	Bronze bushing	1	
31	D-8031	Master shaft gear: 49T	1	
32	D-8032	C-ring	1	
33	***	***	***	Same as Part No. D-8017
34	D-8034	Nut: M16 x 1.5	1	

## Parts Table D for Gear Box Unit

Item	Parts No.	Name of Parts	Qty.	Remark
35	D-8035	Spring washer: M16	1	
35_1	D-8035-1	Washer: M16	1	
36	D-8036	C-ring: RTW-47	1	
37	D-8037	Ball bearing: 6005LLU	2	
38	D-8038	Bronze bushing (top)	1	
38_1	D-8038-1	Bronze bushing (down)	1	
39	D-8039	Worm gear: 26T (50HZ)	1	Parts might be different subject to mixer's frequency.
	D-8039-1	Worm gear: 25T (60HZ)	1	
40	D-8040	Bronze bushing	1	
41	D-8041	Transmission gear: 25T	1	
42	D-8042	Transmission gear: 25T	1	
43	D-8043	Key-way: 6 x 6	1	
44	D-8044	Key-way: 8 x 8	2	
45	D-8045	Ball bearing: 6005	2	
46	D-8046	Ball bearing: 6009	2	
47	D-8047	C-ring: RTW-75	1	

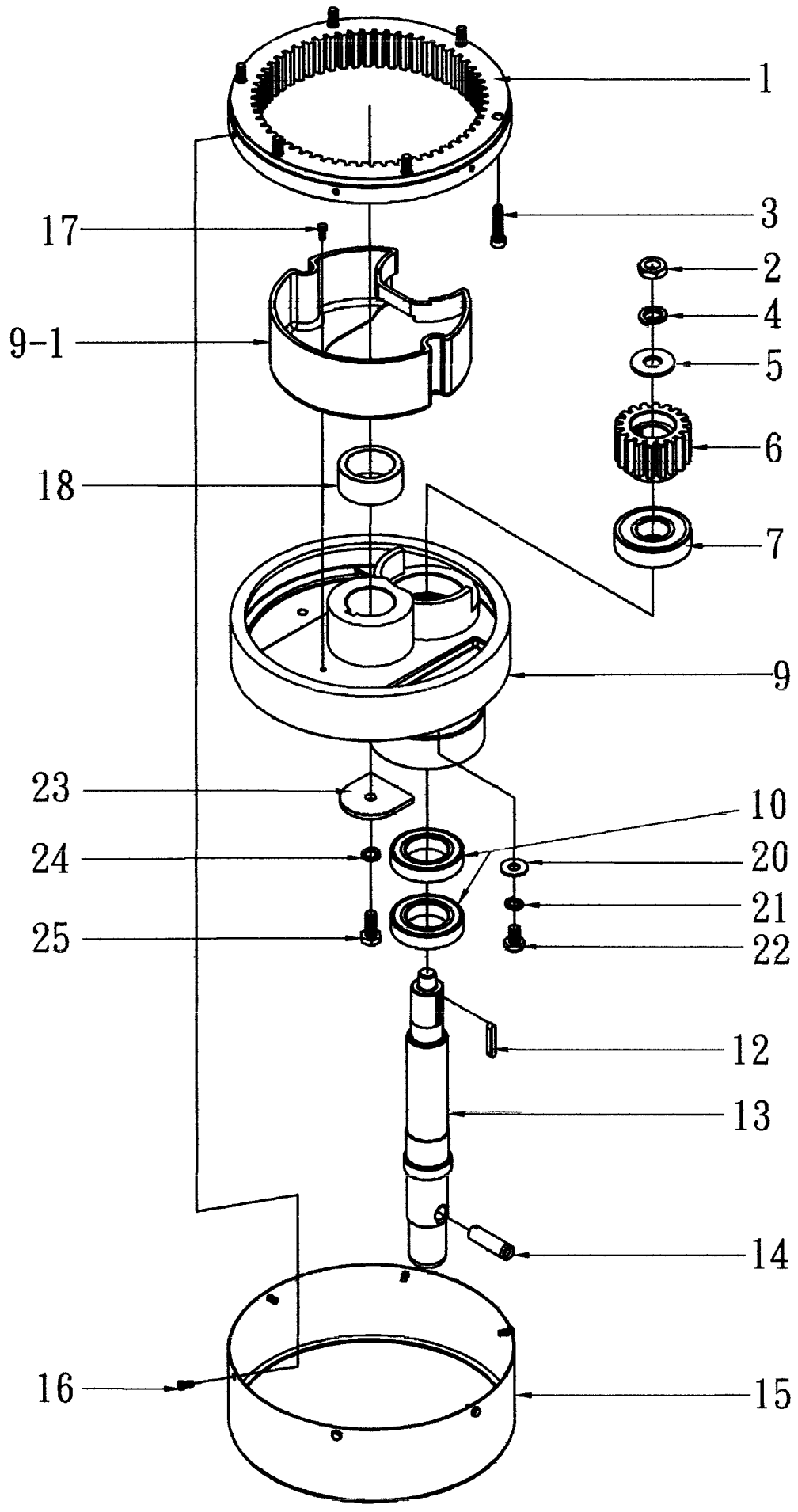
# Speed Shift Unit-E



### Parts Table E for Speed Shift Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	E-8001	Gear shift arm	1	
2	E-8002	Gear shift arm hub	1	
3	E-8003	Pin: 6x38	1	
4	E-8004	1-4 speed indication plate	1	
5	E-8005	Oil seal	1	
6	E-8006	O-ring	1	
7	E-8007	Shifter guide rod	1	
8	E-8008	Hub and cam assembly	1	Hub and Cam Assy.
8_1	E-8008-1	Sleeve	1	
8_2	E-8008-2	Plate	1	
9	E-8009	Screw: M8x1.25	4	
9_1	E-8009-1	Spring washer: M8	4	
10	E-8010	Shaft cover	1	
11	E-8011	Gear shift cam assembly	1	Gear Shift Cam Assy.
11_1	E-8011-1	Sleeve	1	
11_2	E-8011-2	Plate (front)	1	
11_3	E-8011-3	Plate (back)	1	
12	E-8012	Pin: M5	1	
13	E-8013	Steel ball: M9	2	
14	E-8014	Spring : M8	2	
15	E-8015	Pin: M6	1	
16	E-8016	Micro switch	1	
16_1	E-8016-1	Washer	2	
17	E-8017	Micro switch cover	1	
18	E-8018	Screw: M4x0.7	2	
19	E-8019	Nut: M20x2.0	4	
20	E-8020	Spring: M9	4	
21	E-8021	Touch shaft	4	
22	E-8022	Speed shifter yoke (top)	1	
23	E-8023	Speed shifter yoke (rear)	1	
24	E-8024	Shifter guide rod	1	
25	E-8025	Screw: M5x0.8	4	
26	E-8026	Hand knob	1	
S1	E-80S1	Speed Shifter Yoke (TOP) Assy.	1	Include Item 19~22
S2	E-80S2	Speed Shifter Yoke (REAR) Assy.	1	Include Item 23~24 and Item 19~21
S3	E-80S3	Gear Shift Assy.	1	Include Item 1~18, Item 25 and Item 26

# Planetary Unit-F

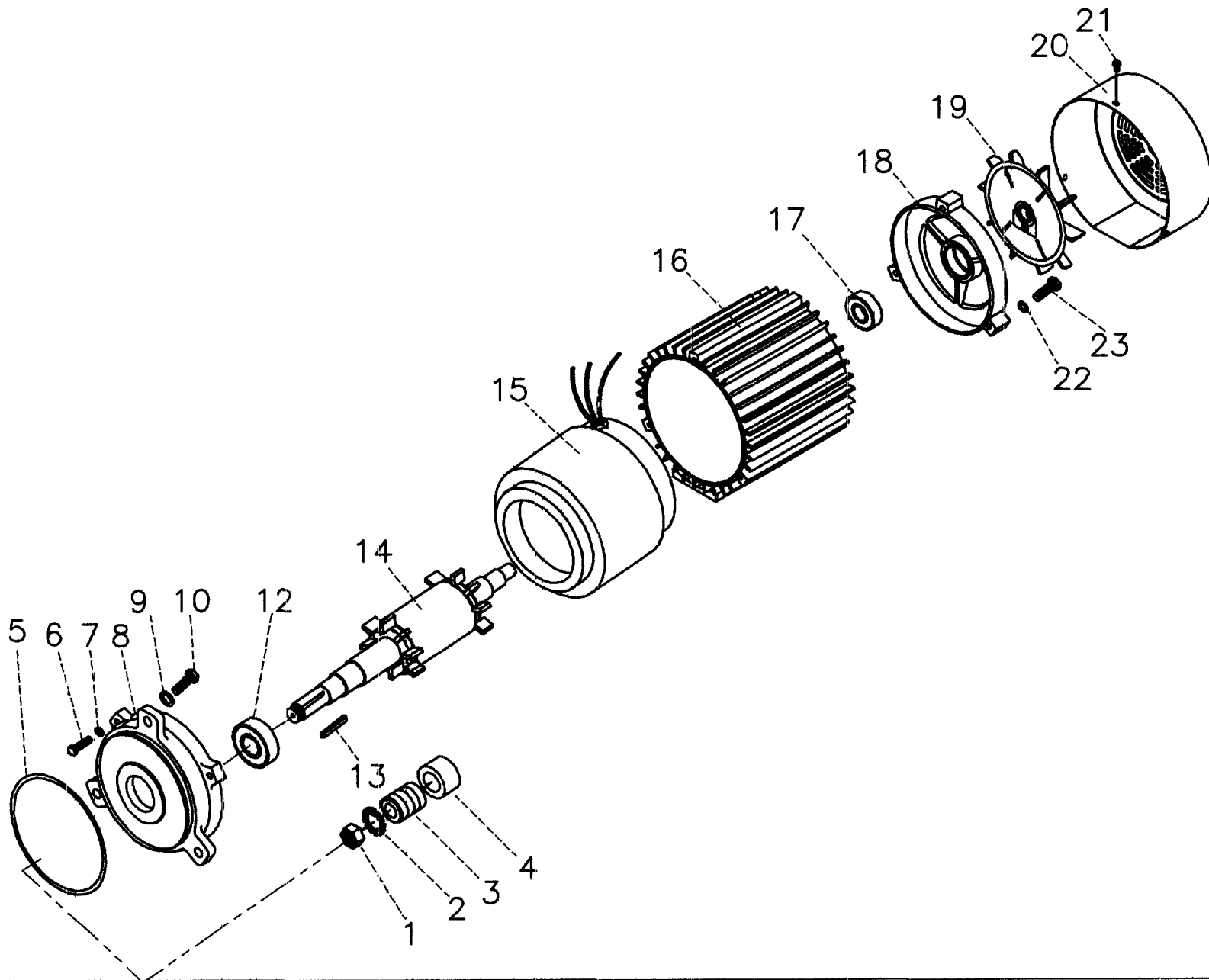




## Parts Table F for Planetary Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	F-8001	Planetary gear: 59T	1	
2	F-8002	Nut: M16x1.5	1	
3	F-8003	Steel screw: M8x1.25	6	
4	F-8004	Spring washer: M16	1	
5	F-8005	Washer: M16	1	
6	F-8006	Pinion gear: 18T	1	
7	F-8007	Ball bearing: 6306zz	1	
8	***	***	***	
9	F-8009	Planetary holder	1	
9_1	F-8009-1	Oil cover for Planetary Holder	1	
10	F-8010	Ball bearing: 6008	2	
	F-8010-1	Ball bearing: 6207	1	For USA Market Use Only
11	F-8011	Oil seal: 40x72x12	1	For USA Market Use Only
12	F-8012	Key-way: 6x6	1	
13	F-8013	Planetary shaft	1	
14	F-8014	Planetary shaft pin: M14	1	
15	F-8015	Holder cover	1	
16	F-8016	S/S screw: M5x0.8	6	
17	F-8017	Screw	1	
18	F-8018	Guard oil busk	1	
19	***	***	***	***
20	F-8020	Washer: M10	2	
21	F-8021	Spring washer: M10	2	
22	F-8022	S/s screw: M10x1.5	2	
23	F-8023	Washer: M10	1	
24	F-8024	Spring washer: M10	1	
25	F-8025	S/S screw: M10x1.5	1	

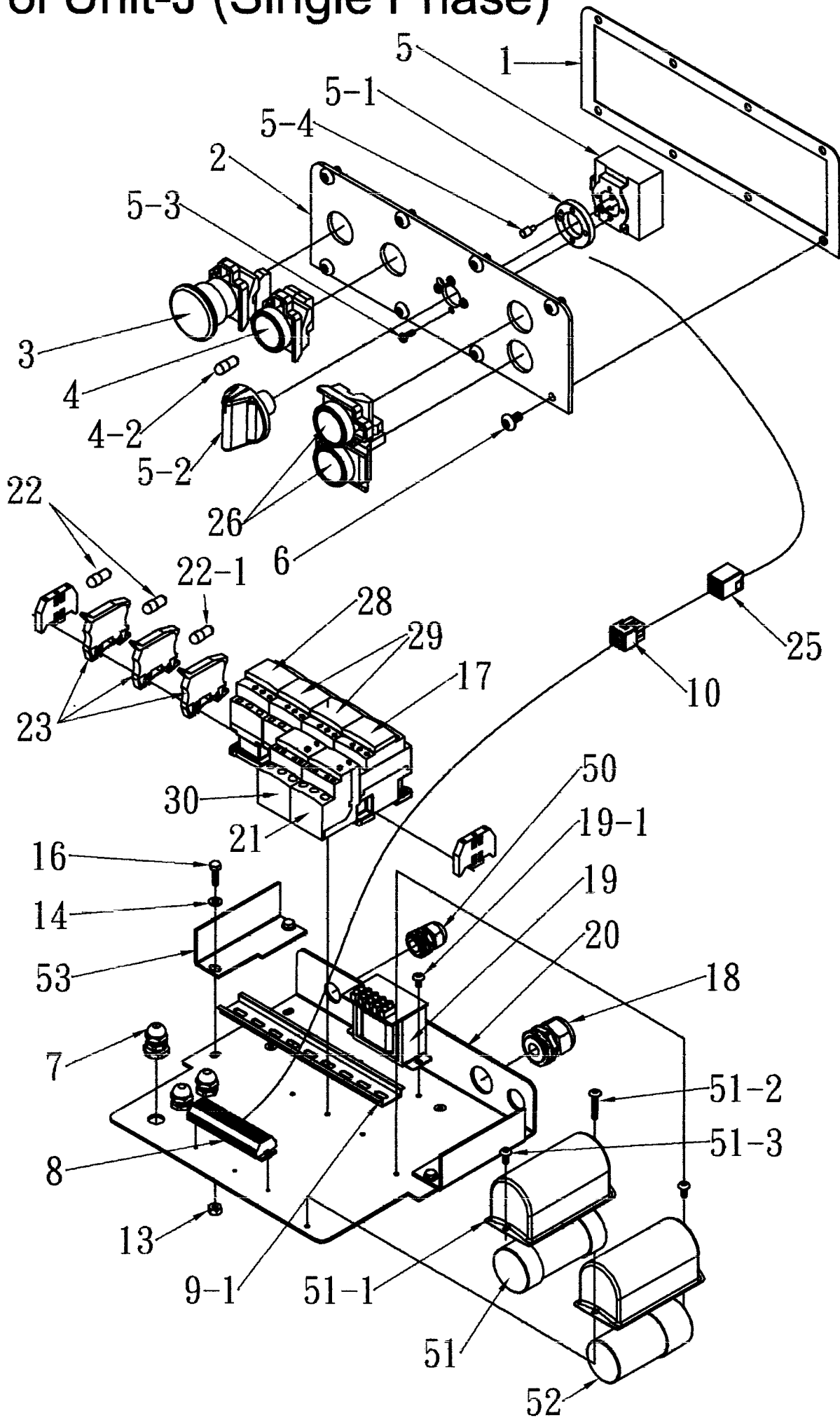
# Motor Unit- G



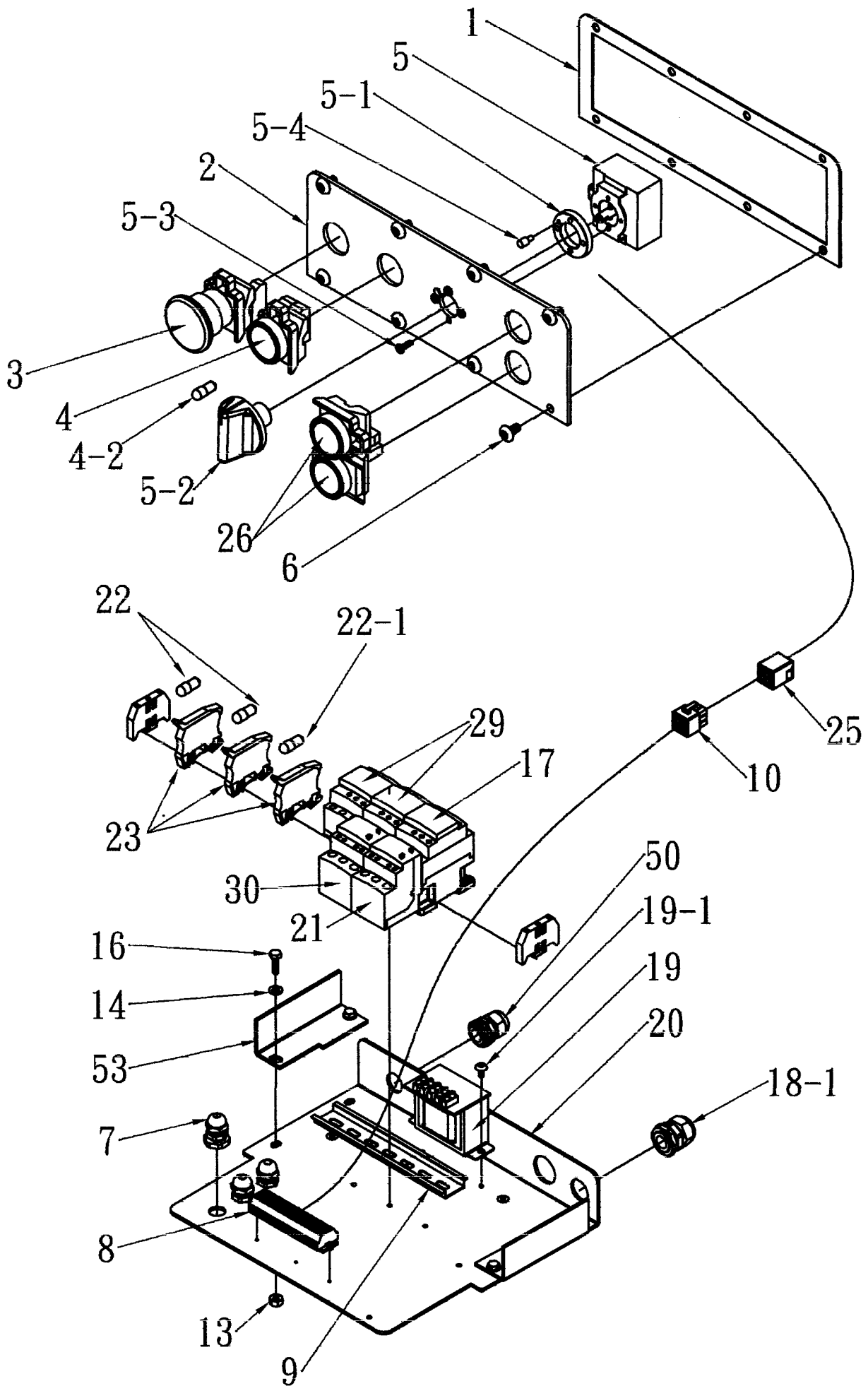
## Parts Table G for Motor Unit

Item	Parts No.	Name of Parts	Qty.	Remark
1	G-8001	Nut: M25x1.25	1	
2	G-8002	Washer: M25	1	
3	G-8003	Worm drive: 50Hz	1	Parts might be different subject to mixer's frequency.
	G-8003-1	Worm drive: 60Hz	1	
4	G-8004	Bronze bushing	1	
5	G-8005	O-ring: P73x3	1	
6	G-8006	Screw: M6x1.0	3	
7	G-8007	Spring washer: M6	3	
8	G-8008	Motor front cover	1	
9	G-8009	Spring washer: M12	3	
10	G-8010	Washer: M12x1.75	3	
12	G-8012	Ball bearing: 6307zz	1	
13	G-8013	Key-way: 6x45	1	
14	G-8014	Motor shaft	1	
15	G-8015	Motor coil: 3HP	1	
16	G-8016	Motor body	1	
17	G-8017	Ball bearing: 6204zz	1	
18	G-8018	Motor rear cover	1	
19	G-8019	Fan	1	
20	G-8020	Fan cover	1	
21	G-8021	Screw: M5x0.8	1	
22	G-8022	Spring washer: M6	3	
23	G-8023	Screw: M6x1.0	3	

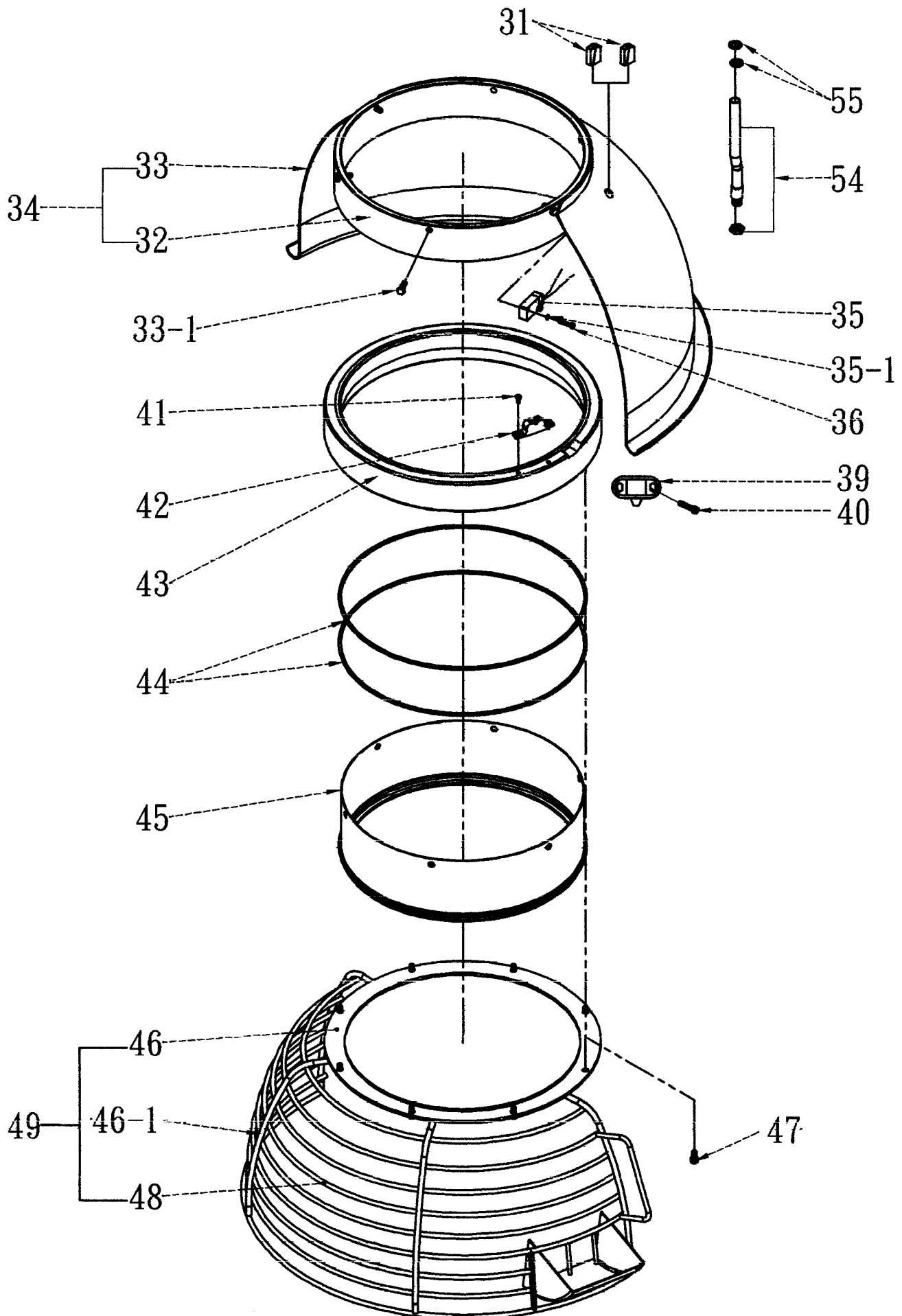
# Control Unit-J (Single Phase)



# Control Unit-J (Three Phase)



# Safety Guard Unit-J



**Parts Table J for Control Panel and Safety Guard Unit**

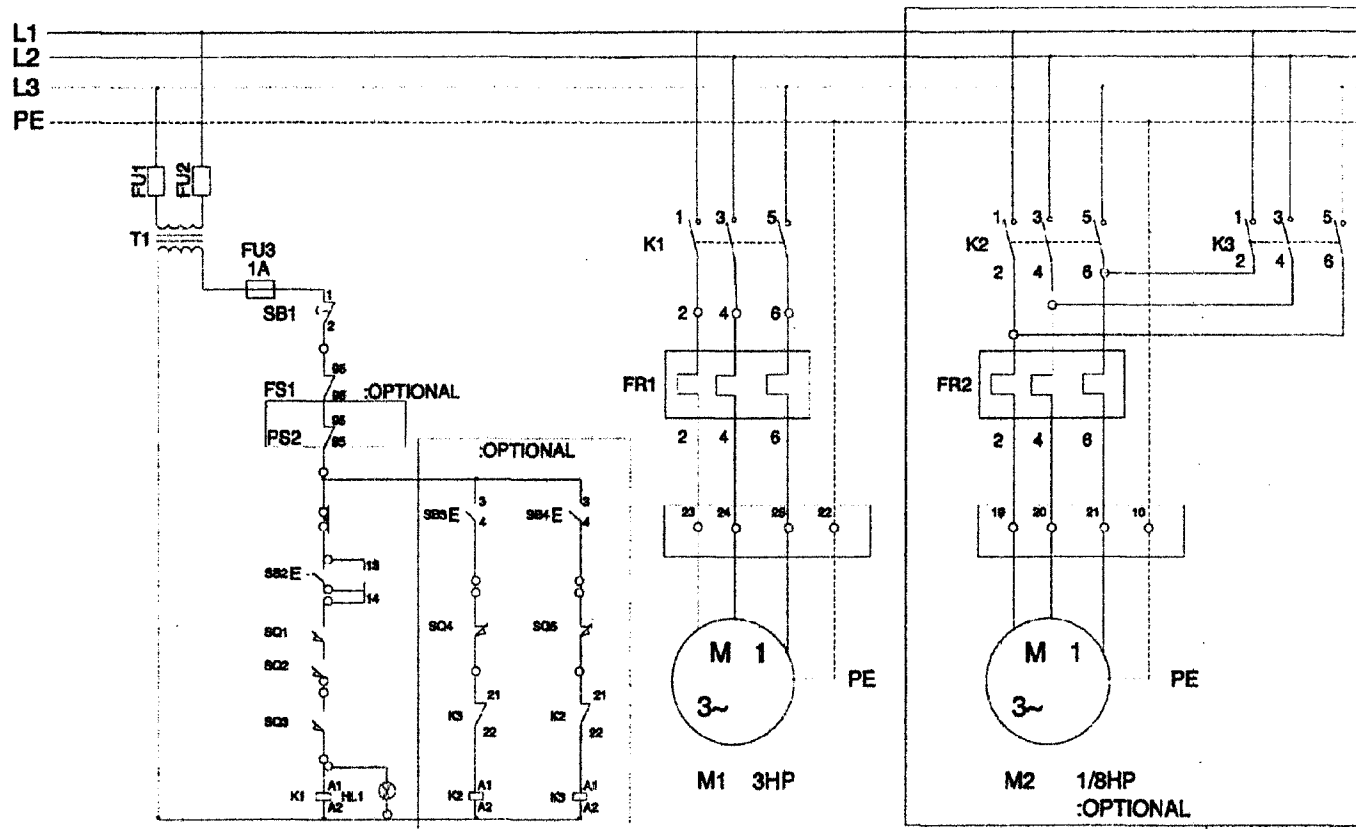
Item	Parts No.	Name of Parts	Qty.	Remark
1	J-8001	Gasket	1	
2	J-8002	Operation plate	1	
3	J-8003	Off-stop button assy.	1	Include seat
4	J-8004	On-start button assy.	1	Include seat
4_2	J-8004-2	Light (for start button)	1	
5	J-8005	Timer	1	
5_1	J-8005-1	Washer	1	
5_2	J-8005-2	Hand knob	1	
5_3	J-8005-3	Screw: M3x0.6	2	
5_4	J-8005-4	Screw	1	
6	J-8006	S/s screw: M4x0.7	8	
7	J-8007	Fixture	3	
8	J-8008	Terminal block	1	
9	J-8009	Foundation (for Contactor)	1	Three Phase Mixer Use Only
9_1	J-8009-1	Foundation (for Contactor)	1	Single Phase Mixer Use Only
10	J-8010	Connecting block	1	
11	***	***	***	
12	***	***	***	
13	J-8013	Sleeve	4	
14	J-8014	Washer	4	
15	***	***	***	
16	J-8016	Screw: M6x1.0	4	
17	J-8017	Contactor: 24V	1	
18	J-8018	Support tube	1	Single Phase Mixer Use Only
18_1	J-8018-1	Support tube	1	Three Phase Mixer Use Only
19	J-8019	Transformer: 24V	1	
19_1	J-8019-1	Screw	2	
20	J-8020	Electronics mounting plate	1	
21	J-8021	Overload relay	1	
22	J-8022	Fuse	2	
22_1	J-8022-1	Fuse	1	
23	J-8023	Fuse fixture	3	
24	***	***	***	
25	J-8025	Connector	1	
26	J-8026	Bowl raise and lower button	2	Include seat

**Parts Table J for Control Panel and Safety Guard Unit**

<b>Item</b>	<b>Parts No.</b>	<b>Name of Parts</b>	<b>Qty.</b>	<b>Remark</b>
27	***	***	***	
28	J-8028	Contactor: 24V	1	Single Phase Mixer Use Only
29	J-8029	Bowl raise contactor: 24V	2	
30	J-8030	Overload relay (for bowl lift motor )	1	
31	J-8031	Connector	2	For Safety Guard Use Only
32	J-8032	Internal	1	For Safety Guard Use Only
33	J-8033	Rear guard-fixed	1	For Safety Guard Use Only
33_1	J-8033-1	Screw	6	For Safety Guard Use Only
34	J-8034	Rear Safety Guard Assy.	1	For Safety Guard Use Only (Include Part J-8032, J-8033)
35	J-8035	Microswitch	1	For Safety Guard Use Only
35_1	J-8035-1	Washer	2	For Safety Guard Use Only
36	J-8036	Screw: M3x0.5	2	For Safety Guard Use Only
37	***	***	***	***
38	***	***	***	***
39	J-8039	Safety guard spring lock	1	For Safety Guard Use Only
40	J-8040	Screw: M3x0.6	2	For Safety Guard Use Only
41	J-8041	Screw: M4x0.7	2	For Safety Guard Use Only
42	J-8042	Safety guard spring lock fixture	1	For Safety Guard Use Only
43	J-8043	Slide sheath	1	For Safety Guard Use Only
44	J-8044	Mat	2	For Safety Guard Use Only
45	J-8045	Planetary internal gear	1	For Safety Guard Use Only
46	J-8046	Fixed slice	1	For Safety Guard Use Only
46_1	J-8046-1	Fixture for safety guard	4	For Safety Guard Use Only
47	J-8047	S/s screw: M5x0.8	6	For Safety Guard Use Only
48	J-8048	Safety guard	1	For Safety Guard Use Only
49	J-8049	Safety Guard Assy	1	For Safety Guard Use Only (Include Item 46, 46-1 and 48)
50	J-8050	Support tube	1	
51	J-8051	Capacitor (start)	1	Single Phase Mixer Use Only
51_1	J-8051-1	Cover for Capacitor	2	
51_2	J-8051-2	Screw	2	
51_3	J-8051-3	Screw	2	
52	J-8052	Capacitor (low voltage)	1	Single Phase Mixer Use Only
53	J-8053	Foundation for Top Cover	2	
54	J-8054	Wire Piping	1	For Safety Guard Use Only
55	J-8055	O-Ring	2	For Safety Guard Use Only



# SM-A80HI Electrical Diagram Three Phase 230/400V automatic bowl lift



Item Description	Maker	Part number	Qty	Item Description	Maker	Part number	Qty
FU4 FUSE FLXTURE+FUSE 1A(5X20)	ENTRELEC	M 4/8 SF	1	SQ3 MICROSWITCH(top position connection)	OMRON	Z-15GW22-B	1
FU5 FUSE FLXTURE+FUSE 1A(5X20)	ENTRELEC	M 4/8 SF	1	SQ4 MICROSWITCH(Raising Locking position)	OMRON	Z-15GW22-B	1
FU6 FUSE FLXTURE+FUSE 1A(5X20)	ENTRELEC	M 4/8 SF	1	SQ5 MICROSWITCH(Lower Locking position)	OMRON	Z-15GW22-B	1
SB1 EMERGENCY STOP BUTTON	BRETER	RT065R/V40	1	SB3 UP BUTTON	BRETER	RT010/V50	1
SB2 START BUTTON	BRETER	RT122R/V50	1	SB4 DOWN BUTTON	BRETER	RT010/V50	1
K1 CONTACTOR COIL 24VAC	Allen-brodey	100C12KJ3	1	M2 MOTOR 1/8HP THREE PHASE400V	SHIUH JLANN	1/8HP 400V	1
FS1 OVERLOAD RELAY	Allen-brodey	193-TAC16	1	K2 UP CONTACTOR COIL 24VAC	Allen-brodey	100-M05KD31	1
M1 MOTOR 3HP THREE PHASE400V	SHIUH JLANN	3HP 400V	1	K3 OVERLOAD RELAY	Allen-brodey	100-M05KD31	1
KT1 TIMER	ANN YIH	AT-615	1	FS2 OVERLOAD RELAY	ABB	T7DU0.6	1
SQ1 MICROSWITCH(Transmission Gear)	OMRON	Z-15GQ22-B	1	T1 TRANSFORMER AC24V	SHIUH JLANN	230/400/24V 24AV	1
SQ1 MICROSWITCH(safety guard locking position)	OMRON	D2VW-5-1M	1				

APPROVED:  
DRAW:  
MECH NO:  
ITEM NO:  
DATE:

AUG.2002

