

# Parts Catalog



**SP80PL**

## **MIXERS**

**MODEL: SP80PL**

03-29-06

**IMPORTANT!**

TO EXPEDITE SHIPMENT OF PARTS, ALWAYS SPECIFY MODEL, REV,  
PART NUMBER, AND SERIAL NUMBER OF MIXER.

## **GLOBE FOOD EQUIPMENT COMPANY**

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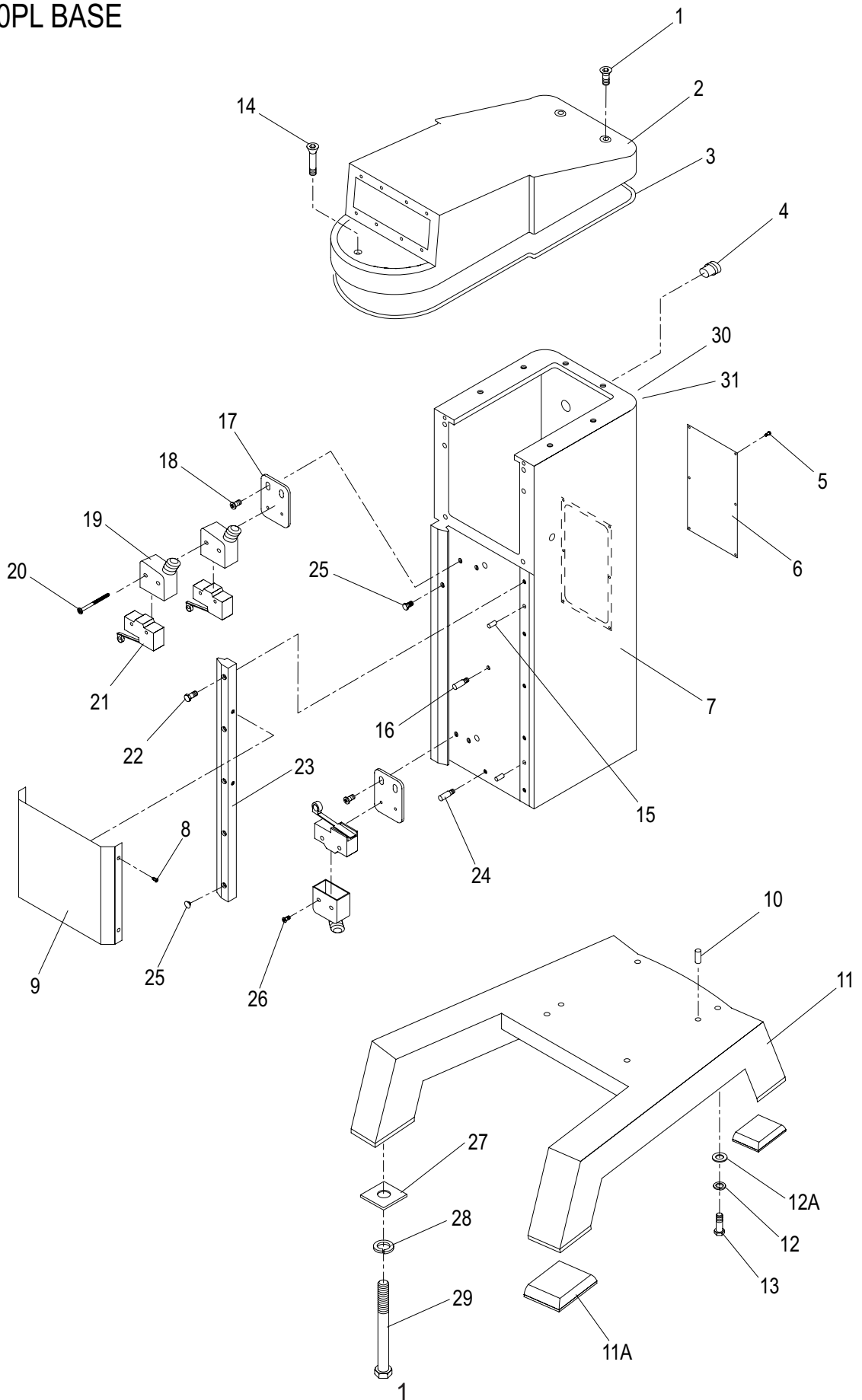
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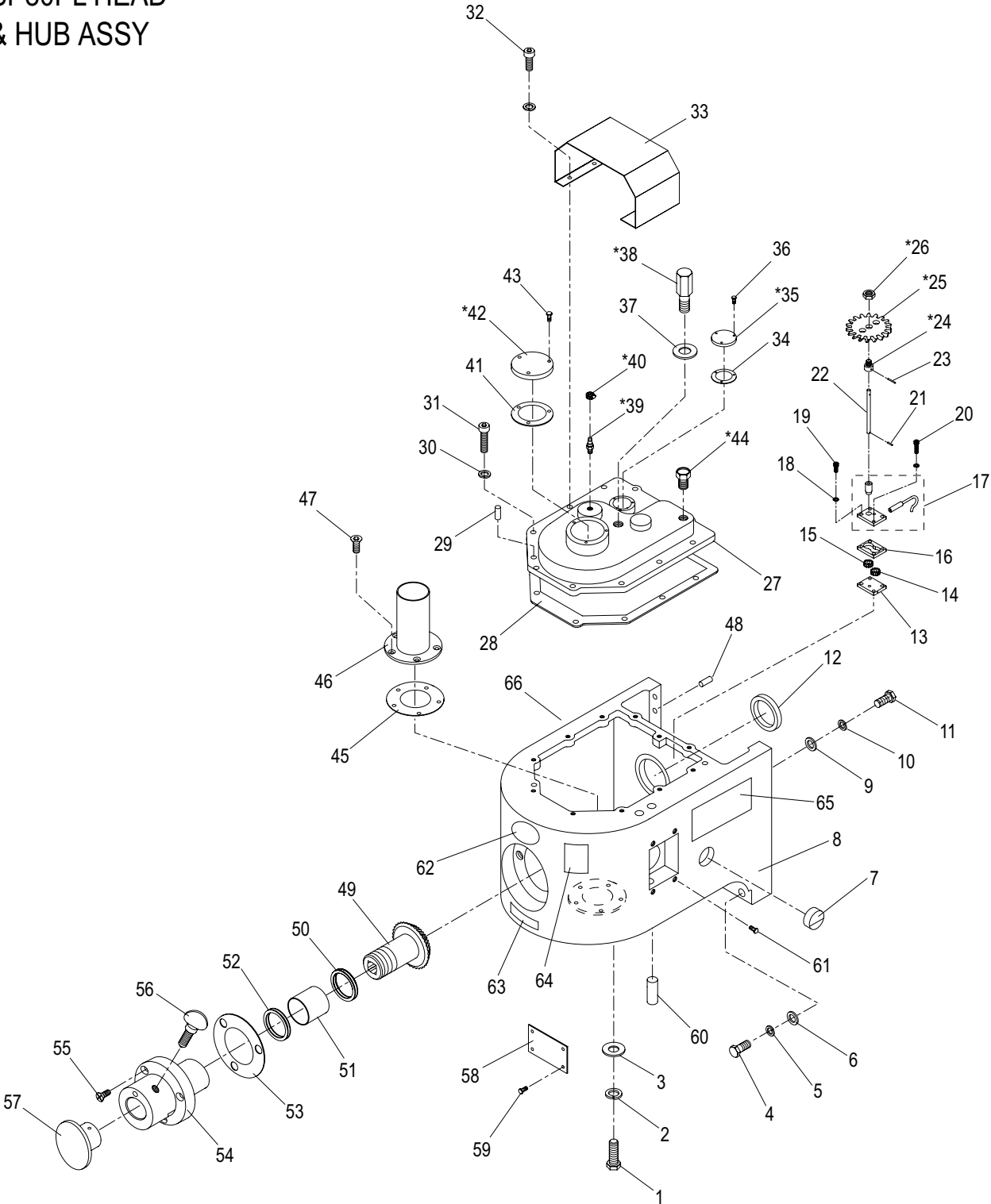
# SP80PL BASE



SP80PL  
BASE

ITEM	DESCRIPTION	PART NUMBER	QTY
1	SCREW	X80A01	2
2	COVER, TRANSMISSION CASE	X80A02	1
3	RUBBER SEAL, COVER	X80A03	1
4	STRAIN RELIEF	X80A04	1
5	SCREW	X80A05	6
6	PLATE, REAR COLUMN	X80A06	1
7	MIXER COLUMN	X80A07	1
8	SCREW	X80A08	4
9	COVER, COLUMN FRONT	X80A09	1
10	MOUNTING PIN	X80A10	2
11	MIXER BASE	X80A11	1
11A	RUBBER FEET SET (FRONT/REAR)	X80A11-1	1
12A	FLAT WASHER	X80A12-1	4
12	SPRING WASHER	X80A12	4
13	SCREW	X80A13	4
14	SCREW	X80A14	1
15	PIN	X80A15	2
16	SCREW	X80A16	1
17	PLATE, MICROSWITCH MOUNTING	X80A17	2
18	SCREW	X80A18	4
19	HOUSING, MICROSWITCH	X80A19	3
20	SCREW	X80A20	2
21	MICROSWITCH	X80A21	3
22	SCREW	X80A22	5
23	SLIDE, FRONT BOWL	X80A23	1
24	PIN	X80A24	1
25	PLUG, PLASTIC	X80A33	5
26	SCREW	X80A37	2
27	SPRING WASHER	X80A31	4
28	SCREW	X80A32	4
29	LABEL, HAZARDOUS VOLTAGE	X91008	1
30	LABEL, CAUTION - 3 PHASE	X91011	1

# SP80PL HEAD & HUB ASSY

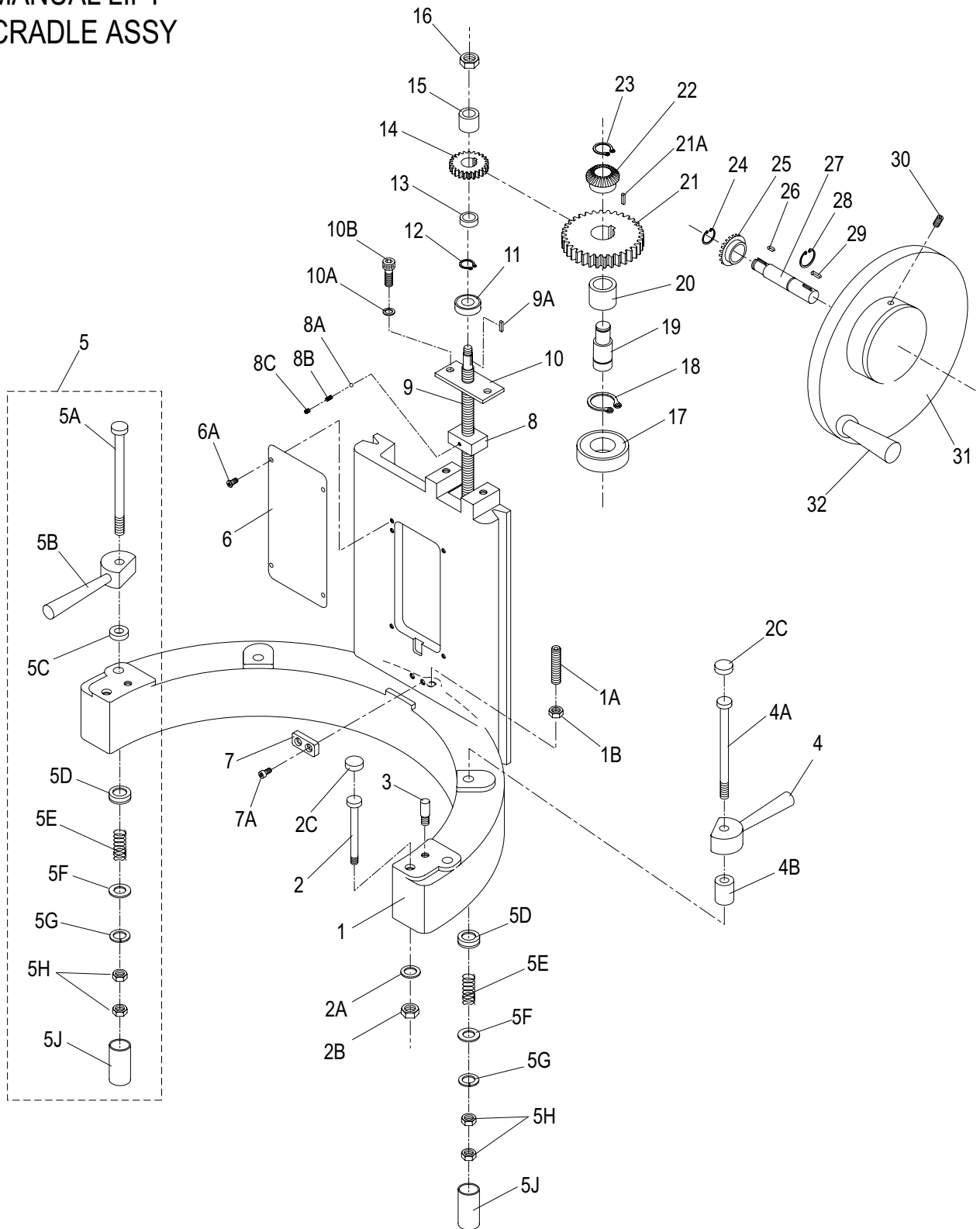


SP80PL HEAD  
& HUB ASSY

ITEM	DESCRIPTION	PART NUMBER	QTY
1	SCREW	X80B01	1
2	SPRING WASHER	X80B02	1
3	FLAT WASHER	X80B03	1
4	MACHINE SCREW	X80B04	2
5	SPRING WASHER	X80B05	2
6	FLAT WASHER	X80B06	2
7	GAUGE, OIL LEVEL	X80B07	1
8	TRANSMISSION CASE	X80B08	1
9	FLAT WASHER	X80B09	6
10	SPRING WASHER	X80B10	6
11	MACHINE SCREW	X80B11	6
12	OIL SEAL	X80B12	1
13	PLATE, OIL PUMP - BOTTOM	X80B13	1
14	GEAR, OIL PUMP, RIGHT (15T)	X80B14	1
15	GEAR, OIL PUMP, LEFT (15T)	X80B15	1
16	GEAR SET PUMP	X80B16	1
17	HOUSING & TUBE ASSY		1
	PUMP OUTLET BRONZE PIPE	X80B17-19	1
	PUMP SHAFT BUSHING		1
18	SPRING WASHER	X80B26	4
19	CAP SCREW	X80B27	2
20	CAP SCREW	X80B27A	2
21	ROLL PIN	X80B22	1
22	SHAFT, OIL PUMP	X80B21	1
23	ROLL PIN	X80B20	1
*24	CONVEYING GEAR BUSHING	X80B23	1
*25	CONVEYING GEAR (29T)	X80B24	1
*26	JAM NUT	X80B23A	1
27	COVER, TRANSMISSION CASE	X80B25	1
28	GASKET, TRANSMISSION COVER	X80B40	1
29	LOCATING PIN (THREADED STUD)	X80B39	2
30	SPRING WASHER	X80B38	11
31	CAP SCREW	X80B37	9
32	CAP SCREW	X80B37A	2
33	TOP COVER	X80B33	1
34	GASKET, TRANSMISSION SHAFT BEARING RETAINER	X80B28	1
*35	BEARING RETAINER, TRANSMISSION SHAFT	X80B29	1
36	SCREW	X80B30	3
37	FLAT WASHER	X80B31	1
*38	OIL FILL PLUG	X80B32	1
*39	HOSE FITTING	X80B18-2	1
*40	HOSE CLAMP	X80B18-3	1
41	GASKET, DRIVE SHAFT BEARING RETAINER	X80B36	1
*42	BEARING RETAINER, DRIVE SHAFT	X80B35	1
43	SCREW	X80B34	3
*44	OIL FILL PLUG	X80B57	4
45	GASKET, LUBE OVERFLOW CYLINDER	X80B43	1
46	LUBE OVERFLOW CYLINDER	X80B42	1
47	SCREW	X80B41	5
48	LOCATING PIN	X80B56	2
49	LEVEL DRIVE GEAR (16T)	X80B44	1
50	THRUST WASHER	X80B45	A/R
51	SLEEVE, SQUARE DRIVE	X80B46	2
52	OIL SEAL	X10089	1
53	GASKET, ATTACHMENT HUB	X80B48	1
54	HUB, ATTACHMENT	X80B50	1
55	MACHINE SCREW	X80B52	3
56	THUMB SCREW	X80B49	1
57	HOLE PLUG, ATTACHMENT	X80B51	1
58	COVER PLATE, TRANSMISSION	X80B53	1
59	SCREW	X80B54	4
60	LOCATING PIN	X80B55	1
61	SCREW	X80E09	4
62	LABEL, GLOBE LOGO	871-3	1
63	LABEL, ARROW	X91012	1
64	LABEL, STOP TO CHANGE GEARS	X91010	1
65	LABEL, WARNING	X91015	1
66	LABEL, WARNING, FRENCH (CANADAONLY)	X91016	1

\*PART CONFIGURATION MAY VARY.

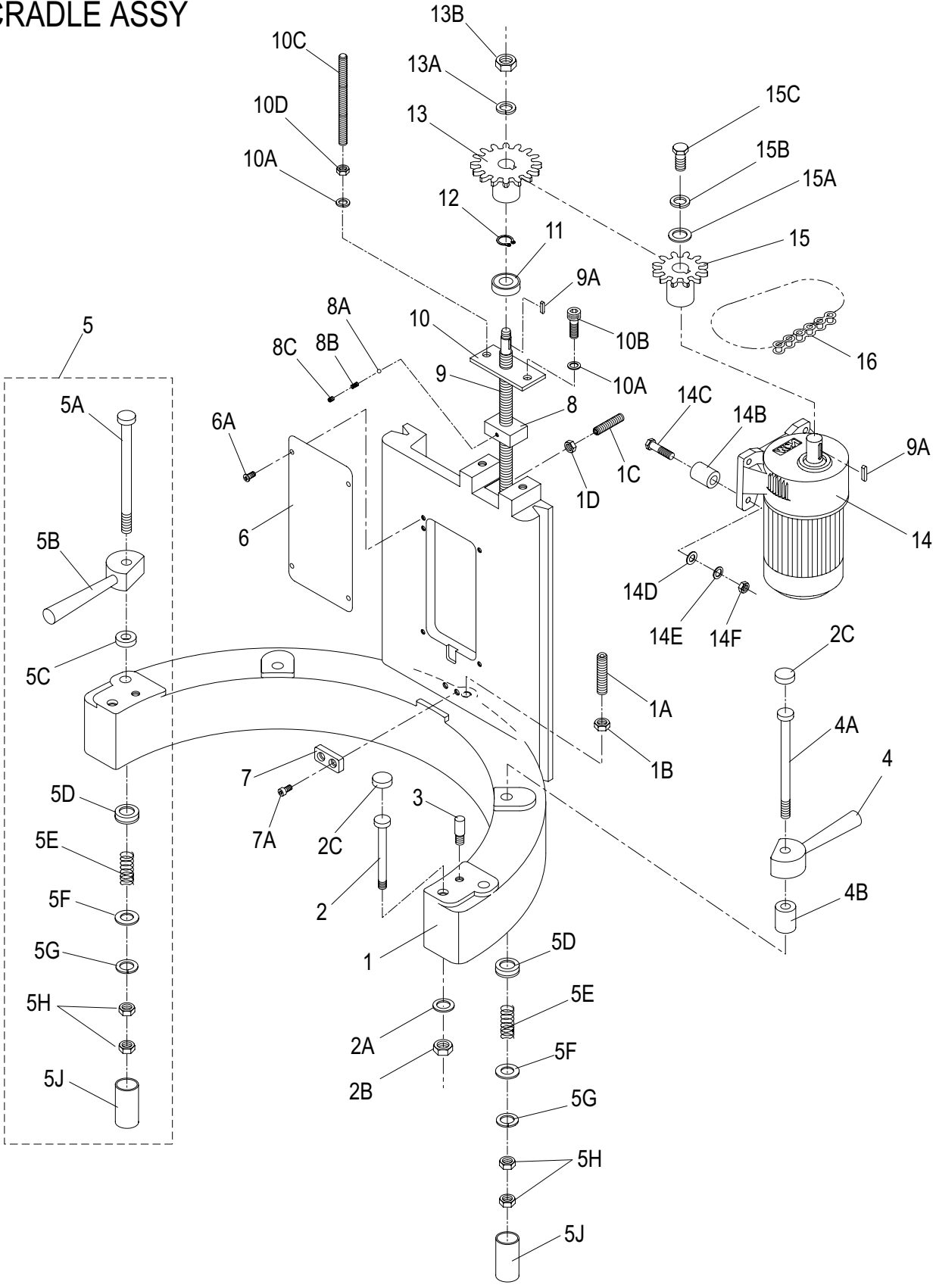
SP80PL  
 MANUAL LIFT  
 CRADLE ASSY



SP80PL  
MANUAL LIFT  
CRADLE ASSY

ITEM	DESCRIPTION	PART NUMBER	QTY
1	BOWL CRADLE	X80C12	1
1A	SET SCREW	X80C60	1
1B	NUT	X80C61	1
2	BOWL LOCATING SCREW	X80C13	2
2A	SPRING WASHER	X80C11	2
2B	NUT	X80C10	2
2C	SCREW COVER	X80C06-1	4
3	SCREW	X80C14	2
4	BOWL CLAMPS	X80C08	2
4A	SCREW, REAR	X80C09	2
4B	BRONZE BUSHING REAR	X80C07	2
5	BOWL CLAMP ASSEMBLY		2
5A	BOWL CLAMP SCREW	X80C06	2
5B	BOWL CLAMP	X80C05	2
5C	BRONZE BUSHING, FRONT	X80C04	2
5D	HARDWARE CAP RETAINER	X80C03-1	4
5E	SPRING	X80C03	4
5F	FLAT WASHER	X80B09	4
5G	WASHER, LOCK	X80C02	4
5H	NUT, STOP	X80C01	4
5J	HARDWARE CAP	X80C03-2	4
6	BOWL CRADLE FRNT COVER	X80C17	1
6A	SCREW	X80C18	4
7	LOCKING BRACKET	X80C16	1
7A	SCREW W/LOCK WASHER	X80C15	2
8	NUT	X80C19	1
8A	ROLLER	X80C19-1	1
8B	SPRING	X80C19-2	1
8C	SET SCREW	X80C19-3	1
9	BOWL RAISE SCREW	X80C20	1
9A	KEY	X80H55	2
10	NUT MOUNTING PLATE	X80C21	1
10A	SPRING WASHER	X80C22	1
10B	SCREW	X80C23	2
11	BALL BEARING	X80C25	1
12	C-RING	X80C26	1
13	BRONZE BUSHING, LOWER	X80C27	1
14	OBLIQUE GEAR (31T)	X80C28	1
15	BRONZE BUSHING, UPPER	X80C29	1
16	NUT	X80H49-1	1
17	BALL BEARING	X80C31	1
18	C-RING	X80C32	1
19	DRIVE SHAFT	X80C33	1
20	OBLIQUE SHAFT SLEEVE	X80C34	1
21	OBLIQUE GEAR (41T)	X80C35	1
21A	KEY	X80C36	1
22	GEAR, MALE (23T)	X80C37	1
23	C-RING	X80C38	1
24	C-RING	X80C39	1
25	GEAR, FEMALE (23T)	X80C40	1
26	KEY	X80C41	1
27	HAND WHEEL SHAFT	X80C42	1
28	C-RING	X80C43	1
29	KEY	X80C44	1
30	SET SCREW	X80C45	1
31	HAND WHEEL	X80C46	1
32	HANDLE	X80C47	1

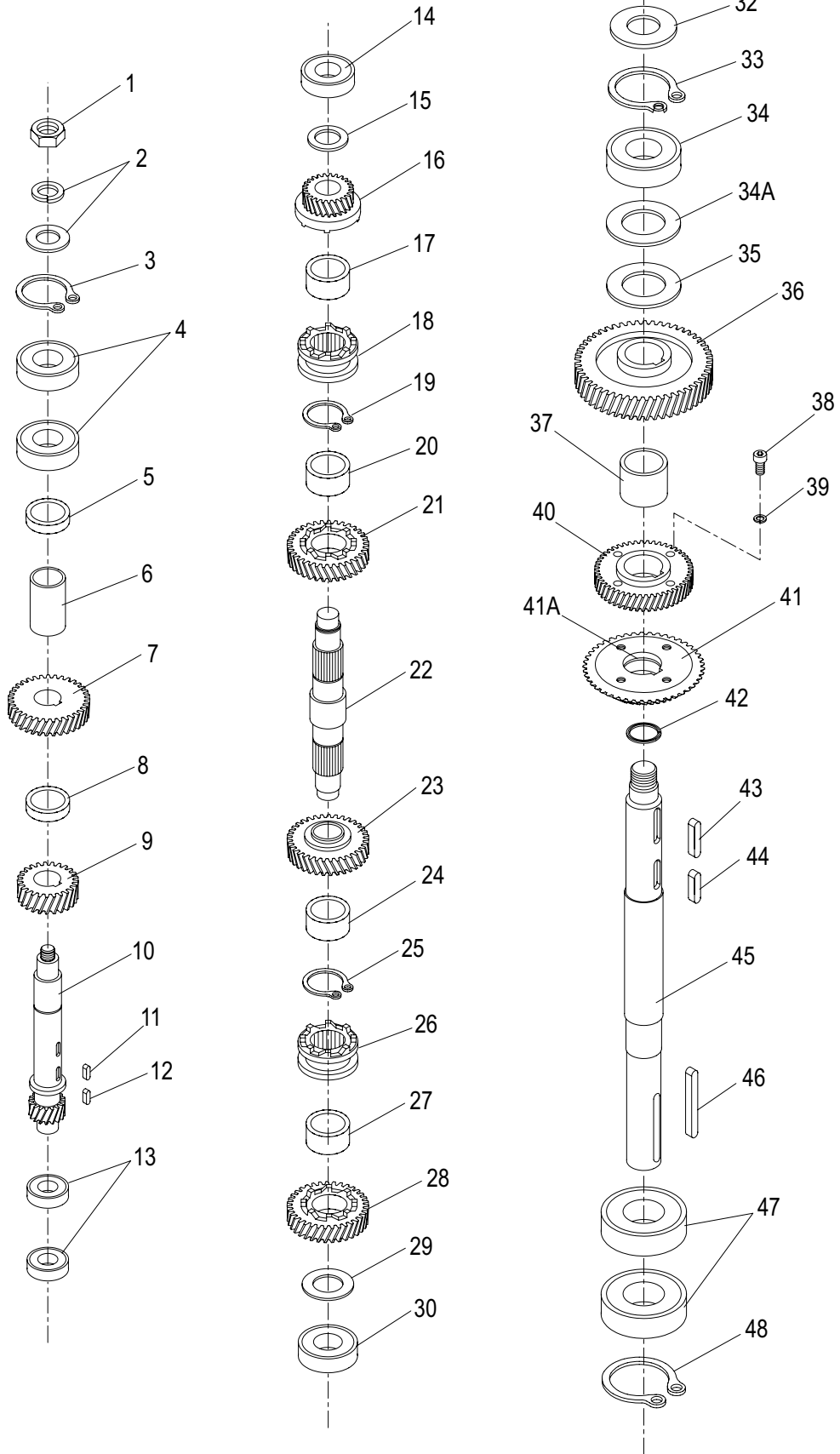
SP80PL  
POWER LIFT  
CRADLE ASSY



SP80PL  
POWER LIFT  
CRADLE ASSY

ITEM	DESCRIPTION	PART NUMBER	QTY
1	NUT	X80C01	4
2	NUT	X80C02	4
3	SPRING	X80C03	4
4	BRONZE BUSHING (FRONT)	X80C04	2
5	BOWL CLAMPS	X80C05	2
6	SCREW (FRONT)	X80C06	2
7	BRONZE BUSHING (REAR)	X80C07	2
8	BOWL CLAMPS	X80C08	2
9	SCREW (REAR)	X80C09	2
10	NUT	X80C10	2
11	SPRING WASHER	X80C11	2
12	BOWL CRADLE	X80C12	1
13	SCREW	X80C13	2
14	SCREW	X80C14	2
15	SCREW	X80C15	2
16	LOCKING BRACKET	X80C16	1
17	BOWL CRADLE FRNT COVER	X80C17	1
18	SCREW	X80C18	4
19	NUT	X80C19	1
20	BOWL RAISE SCREW	X80C20	1
21	NUT MOUNTING PLATE	X80C21	1
22	SPRING WASHER	X80C22	2
23	SCREW	X80C23	2
24	KEYWAY	X80C24	1
25	BALL BEARING	X80C25	1
26	C-RING	X80C26	1
27	CHAIN GEAR	X80H48	1
28	WASHER	X80H49	1
29	NUT	X80C30	1
30	SCREW	X80H50	1
31	SPRING WASHER	X80H51	1
32	WASHER	X80H52	1
33	CHAIN GEAR (11T)	X80H53	1
34	CHAIN	X80H54	1
35	KEYWAY	X80H55	1
36	MOTOR, 1/8HP 220V 50/60HZ 3PH	X80H56	1
	MOTOR, 1/8HP 380V 50HZ 3PH	X80H56-E	
37	SPRING WASHER (PLASTIC PIPE)	X80C57	4

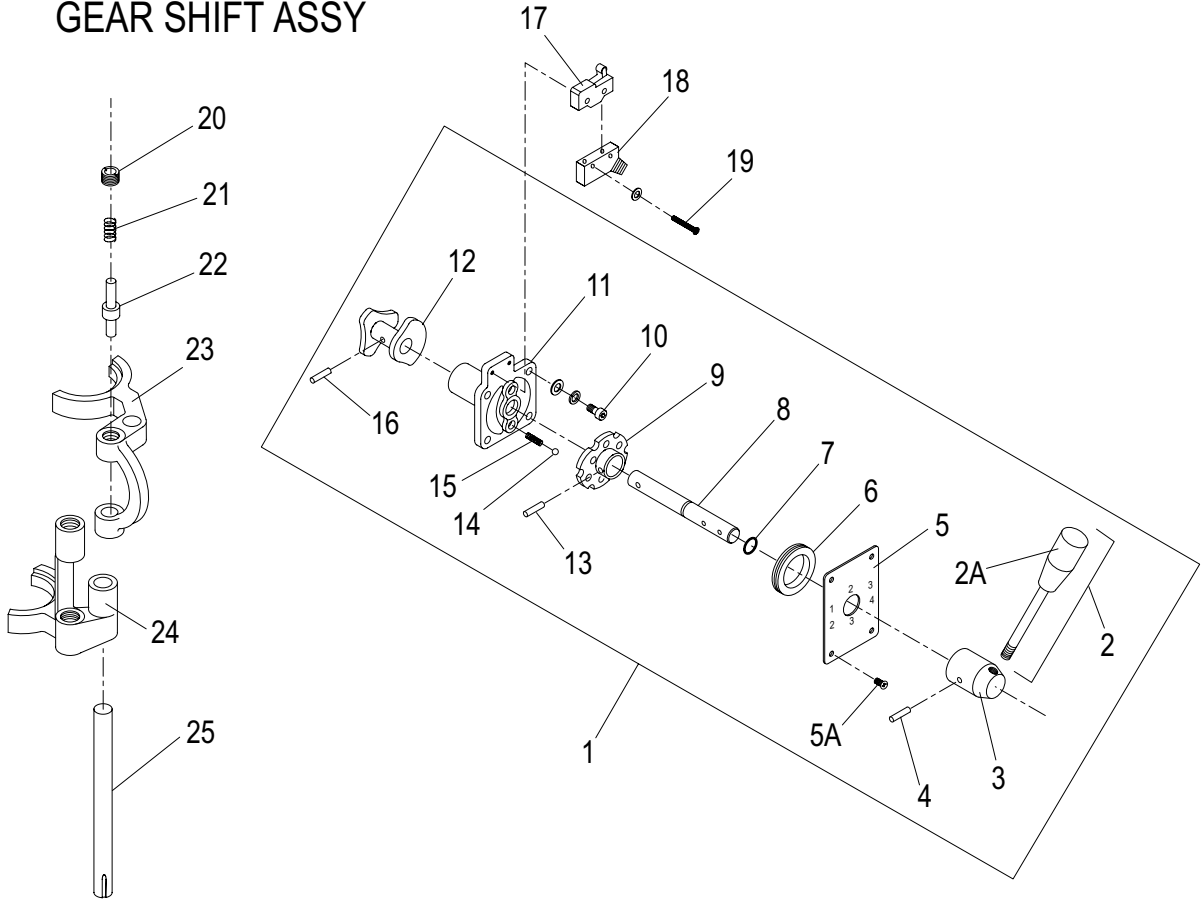
# SP80PL GEARBOX



SP80PL  
GEARBOX

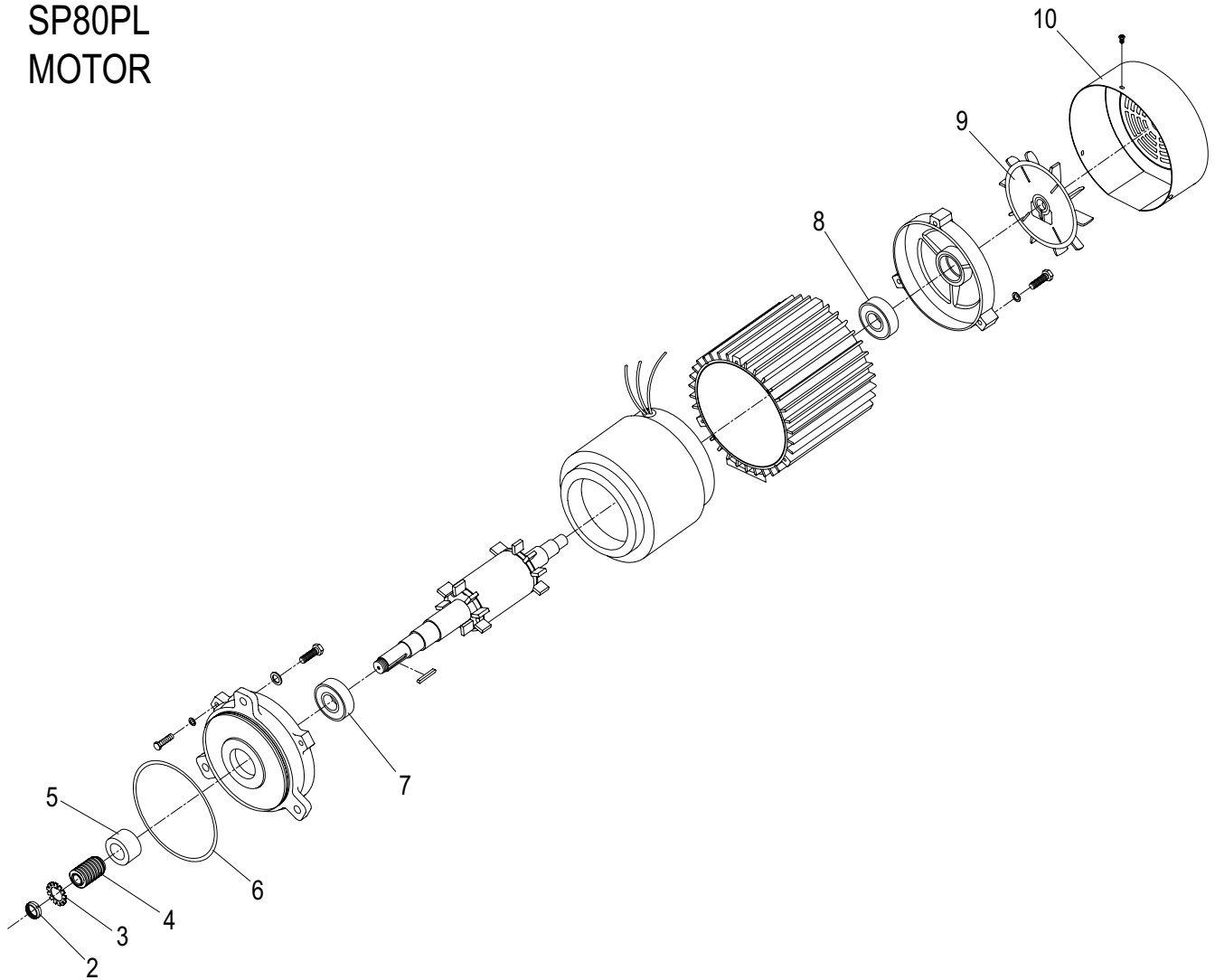
ITEM	DESCRIPTION	PART NUMBER	QTY
1	NUT	X80D34	1
2	FLAT WASHER & LOCK WASHER	X80D35	1
3	C-RING	X80D36	1
4	BALL BEARING	X80D37	2
5	SPACER	X80D38	1
6	SLEEVE	X80D38-1	1
7	WORM GEAR (25T) (220V MIXER)	X80D39-1	1
	WORM GEAR (29T) (350V MIXER)	X80D39	
8	BRONZE BUSHING	X80D40	1
9	TRANSMISSION GEAR (25T)	X80D41	1
10	TRANSMISSION SHAFT (17T)	X80D42	1
11	LEVEL KEY	X80D43	1
12	LEVEL KEY	X80D44	1
13	BALL BEARING	X80D45	2
14	BALL BEARING	X80D17	1
15	MASTER SHAFT PAD	X80D18	1
16	MASTER SHAFT GEAR (17T)	X80D19	1
17	BRONZE BUSHING	X80D20	1
18	CLUTCH SLEEVE	X80D21	1
19	C-RING	X80D22	1
20	BRONZE BUSHING	X80D23	1
21	MASTER SHAFT GEAR (33T)	X80D24	1
22	MASTER SHAFT	X80D25	1
23	MASTER SHAFT GEAR (41T)	X80D26	1
24	BRONZE BUSHING	X80D23	1
25	C-RING	X80D22	1
26	CLUTCH SLEEVE	X80D21	1
27	BRONZE BUSHING	X80D30	1
28	MASTER SHAFT GEAR (49T)	X80D31	1
29	WASHER	X80D32	1
30	BALL BEARING	X80D17	1
31	NUT	X80D16	1
32	FLAT WASHER	X80D15	1
33	C-RING	X80D14	1
34	BALL BEARING	X80D13	1
34A	SHIM	X80D13A	A/R
35	DRIVE SHAFT PAD	X80D12	1
36	DRIVE SHAFT GEAR (53T)	X80D11	1
37	BRONZE BUSHING	X80D10	1
38	SCREW	X80D09	4
39	LOCK WASHER	X80D08	4
40	MAIN SHAFT GEAR (35T)	X80D07	1
41	GEAR (41T)	X80D06	1
41A	O-RING	X80D06A	1
42	O-RING	X80D05	1
43	LEVEL KEY	X80D04	1
44	LEVEL KEY	X80D03	1
45	DRIVE SHAFT	X80D02	1
46	LEVEL KEY	X80D01	1
47	BALL BEARING	X80D46	2
48	C-RING	X80D47	1

# SP80PL GEAR SHIFT ASSY



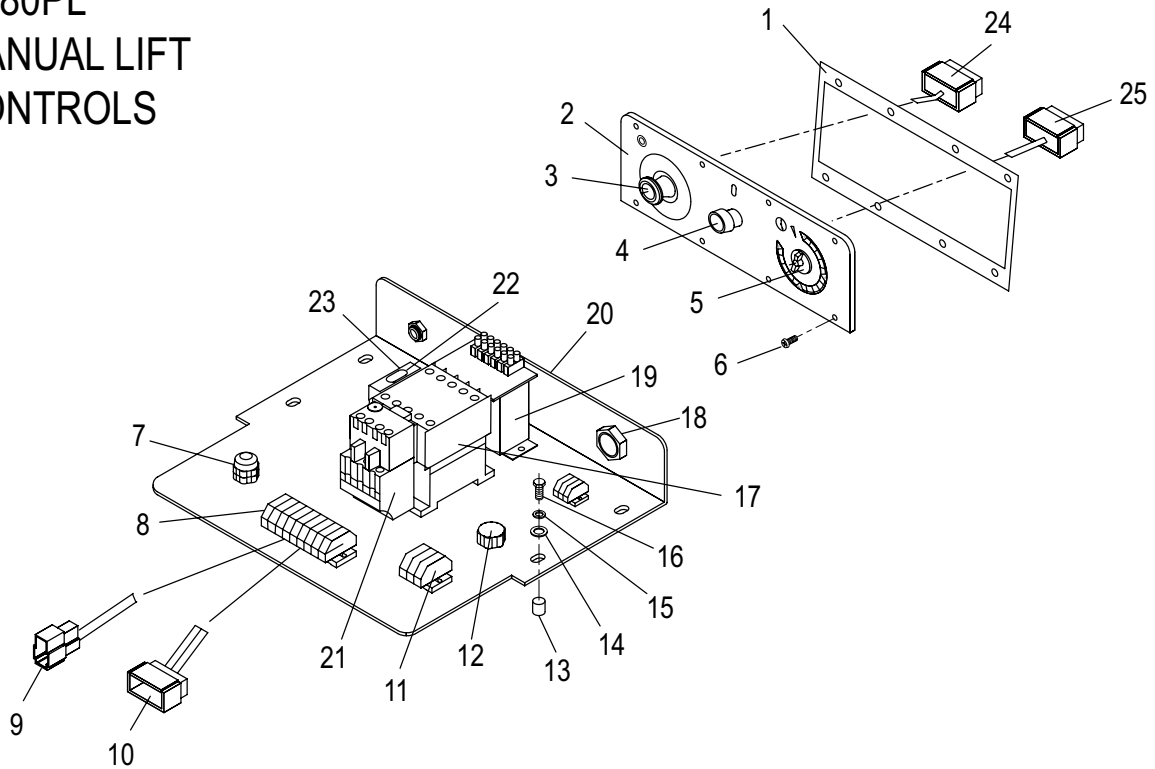
ITEM	DESCRIPTION	PART NUMBER	QTY
1	GEAR SHIFT ASSEMBLY	X80E01-15	1
2	GEAR SHIFT ARM ASSY (WITH KNOB)	X80E01	1
2A	KNOB, GEAR SHIFT	X80E01-1	1
3	GEAR SHIFT ARM HUB	X80E02	1
4	SPRING PIN	X80E03	1
5	1-4 SPEED INDICATION PLATE	X80E04	1
5A	SCREW	X80E04-1	4
6	OIL SEAL	X80E05	1
7	O-RING	X80E06	1
8	SHIFTER GUIDE ROD	X80E07	1
9	HUB & CAM ASSY	X80E08	1
10	SCREW, FLAT WASHER & LOCK WASHER	X80E09	4
11	SHAFT COVER	X80E10	1
3	GEAR SHIFT CAM ASSY	X80E11	1
13	SPRING PIN	X80E12	1
14	STEEL BALL	X80E13	2
15	SPRING	X80E14	2
16	SPRING PIN	X80E15	1
17	MICROSWITCH	X80E16	1
18	MICROSWITCH COVER	X80E17	1
19	SCREW & FLAT WASHER	X80E18	2
20	NUT	X80E19	4
21	SPRING	X80E20	4
22	TOUCH SHAFT	X80E21	4
23	SPEED SHIFTER YOKE (TOP)	X80E22	1
24	SPEED SHIFTER YOKE (REAR)	X80E23	1
25	SHIFTER GUIDE ROD	X80E24	1

SP80PL  
MOTOR



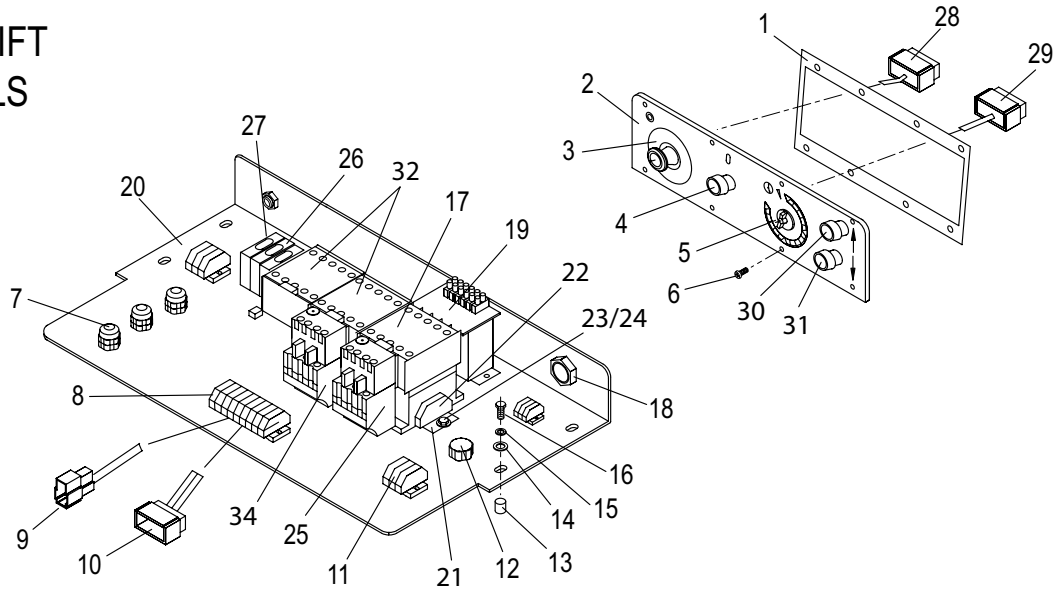
ITEM	DESCRIPTION	PART NUMBER	QTY
1	MOTOR ASSEMBLY, 3HP 3PH 220V	X80G24	1
	MOTOR ASSEMBLY, 3HP 3PH 380V	X80G1-23	
2	NUT	X80G01	1
3	WASHER	X80G02	1
4	WORM DRIVE, 50HZ	X80G03	1
	WORM DRIVE, 60HZ	X80G03-1	
5	BRONZE BUSHING (SPACER)	X80G04	1
6	O-RING	X80G05	1
7	BALL BEARING	X80G12	1
8	BALL BEARING	X80G17	1
9	FAN	X80G19	1
10	FAN COVER	X80G20	1

# SP80PL MANUAL LIFT CONTROLS



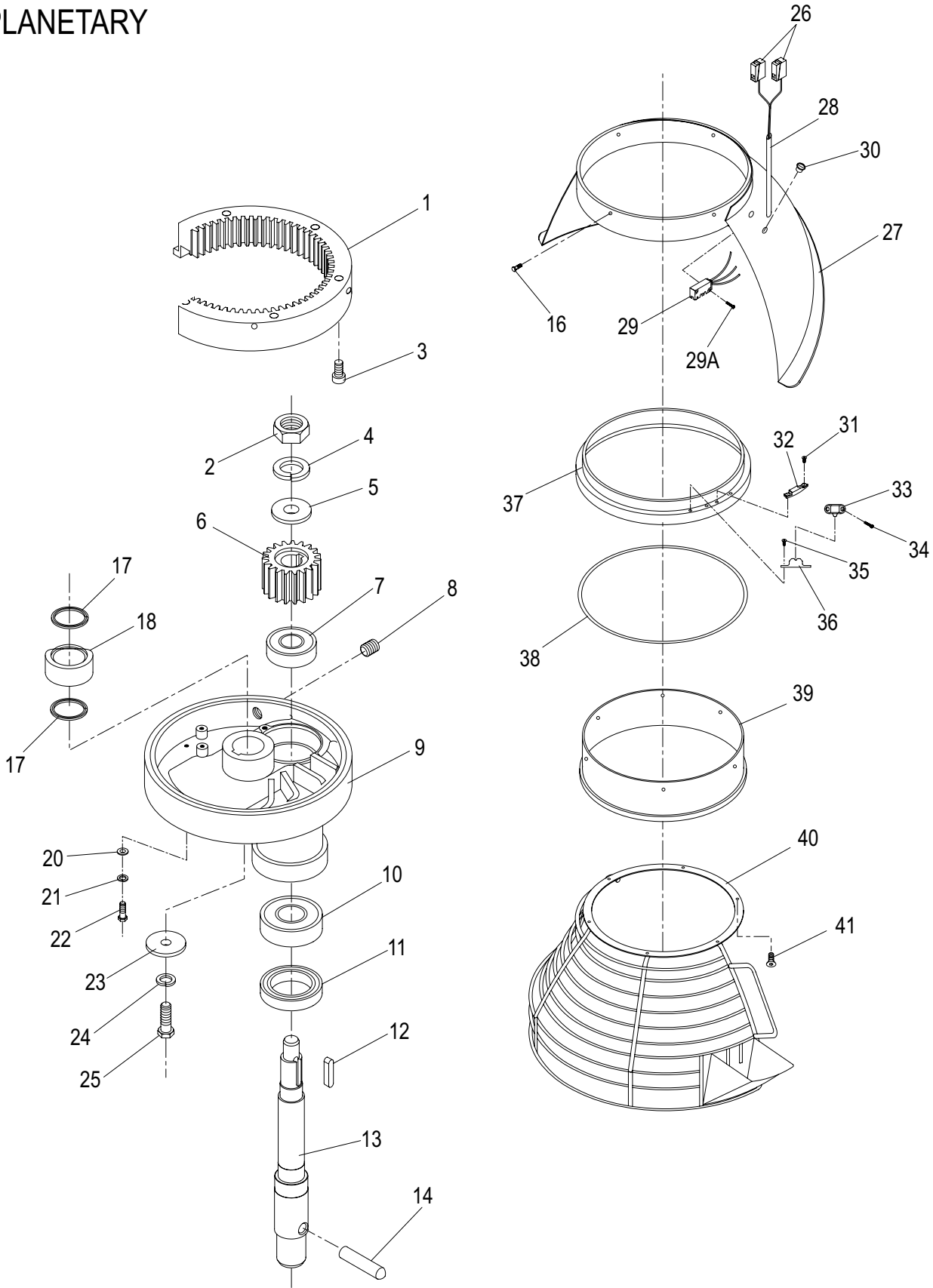
ITEM	DESCRIPTION	PART NUMBER	QTY
1	GASKET	X80J01	1
2	CONTROL PANEL	X80J02	1
3	STOP BUTTON	X80J03	1
4	START BUTTON	X80J04	1
5	TIMER	X80J05	1
6	SCREW	X80J06	8
7	SUPPORT TUBE	X80J07	4
8	TERMINAL BLOCK	X80J08	1
9	CONNECTING BLOCK	X80J09	1
10	CONNECTING BLOCK	X80J10	1
11	TERMINAL BLOCK	X80J11	3
12	SUPPORT TUBE	X80J12	1
13	SOCKET	X80J13	4
14	WASHER	X80J14	4
15	SPRING WASHER	X80J15	4
16	SCREW	X80J16	4
17	CONTACTOR, 24V	X80J17	1
18	SUPPORT TUBE	X80J18	1
19	TRANSFORMER, 24V (220V MIXER)	X80J19	1
	TRANSFORMER, 24V (380V MIXER)	CALL FOR P/N	
20	ELECTRONICS MTG PLATE	X80J20	1
21	OVERLOAD RELAY	X80J21	1
22	FUSE	X80J22	3
23	FUSE FIXTURE	X80J23	3
24	CONNECTOR	X80J24	1
25	CONNECTOR	X80J25	1

SP80PL  
POWER LIFT  
CONTROLS



ITEM	DESCRIPTION	PART NUMBER	QTY
1	GASKET	X80J01	1
2	CONTROL PANEL	X80J02	1
3	STOP BUTTON	X80J03	1
4	START BUTTON	X80J04	1
5	TIMER	X80J05	1
6	SCREW	X80J06	8
7	SUPPORT TUBE	X80J07	4
8	CONNECTING BLOCK ASSEMBLY	X80J08	1
	CONNECTING BLOCK, 2 CONDUCTOR GRY	X80J08-2G	7
	CONNECTING BLOCK, 4 CONDUCTOR GRY	X80J08-4G	5
	CONNECTING BLOCK, END CAP	X80J08-EC	1
9	CONNECTOR	X80J09	1
10	CONNECTOR	X80J10	1
11	TERMINAL BLOCK	X80J11	3
12	SUPPORT TUBE	X80J12	1
13	SOCKET	X80J13	4
14	WASHER	X80J14	4
15	SPRING WASHER	X80J15	4
16	SCREW	X80J16	4
17	CONTACTOR, 24V	X80J17	1
18	SUPPORT TUBE	X80J18	1
19	TRANSFORMER, 24V (220V MIXER)	X80J19	1
	TRANSFORMER, 24V (380V MIXER)	CALL FOR P/N	
20	ELECTRONICS MTG PLATE	X80J20	1
21	CONTACTOR MOUNTING PLATE	X80J20A	1
22	CONTACTOR LOCKING CAPS	X80J20B	2
23	SCREW (X80J20A)	X80J20C	2
24	WASHER (X80J20A)	X80J20D	2
25	OVERLOAD RELAY	X80J21	1
26	FUSE, 250V 500mA	X80J22A	2
	FUSE, 250V 1A	X80J22B	1
27	FUSE FIXTURE	X80J23	3
28	CONNECTOR	X80J24	1
29	CONNECTOR	X80J25	1
30	BOWL RAISE BUTTON	X80J26	1
31	BOWL LOWER BUTTON	X80J26	1
32	BOWL RAISE/LOWER CONTACTORS, 24V	X80J28	2
33	CONTACTOR MECHANICAL INTERLOCK KIT (NOT SHOWN)	X80J28A	1
34	BOWL LIFT MOTOR OVERLOAD RELAY	X80J30	1

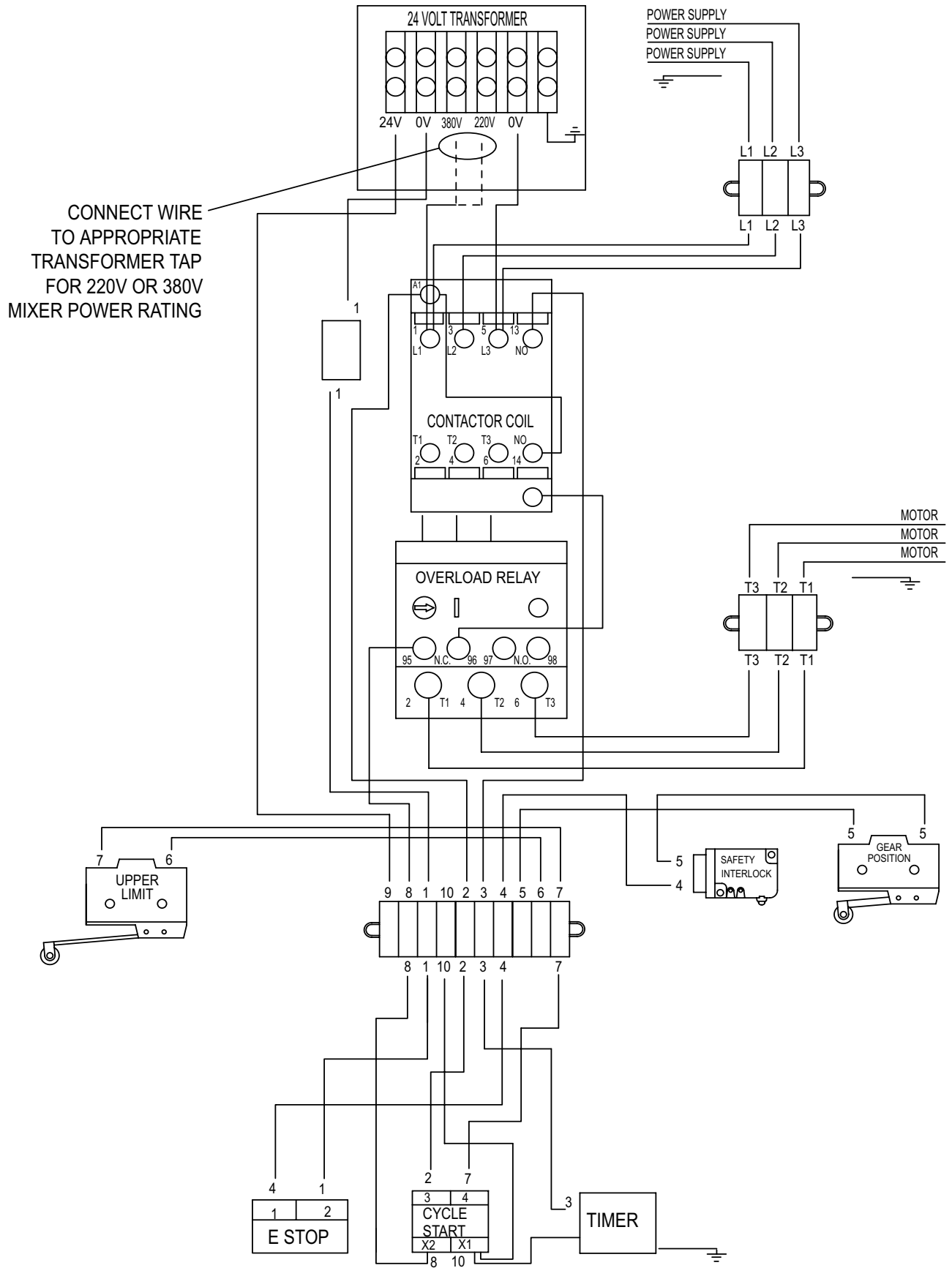
SP80PL  
PLANETARY



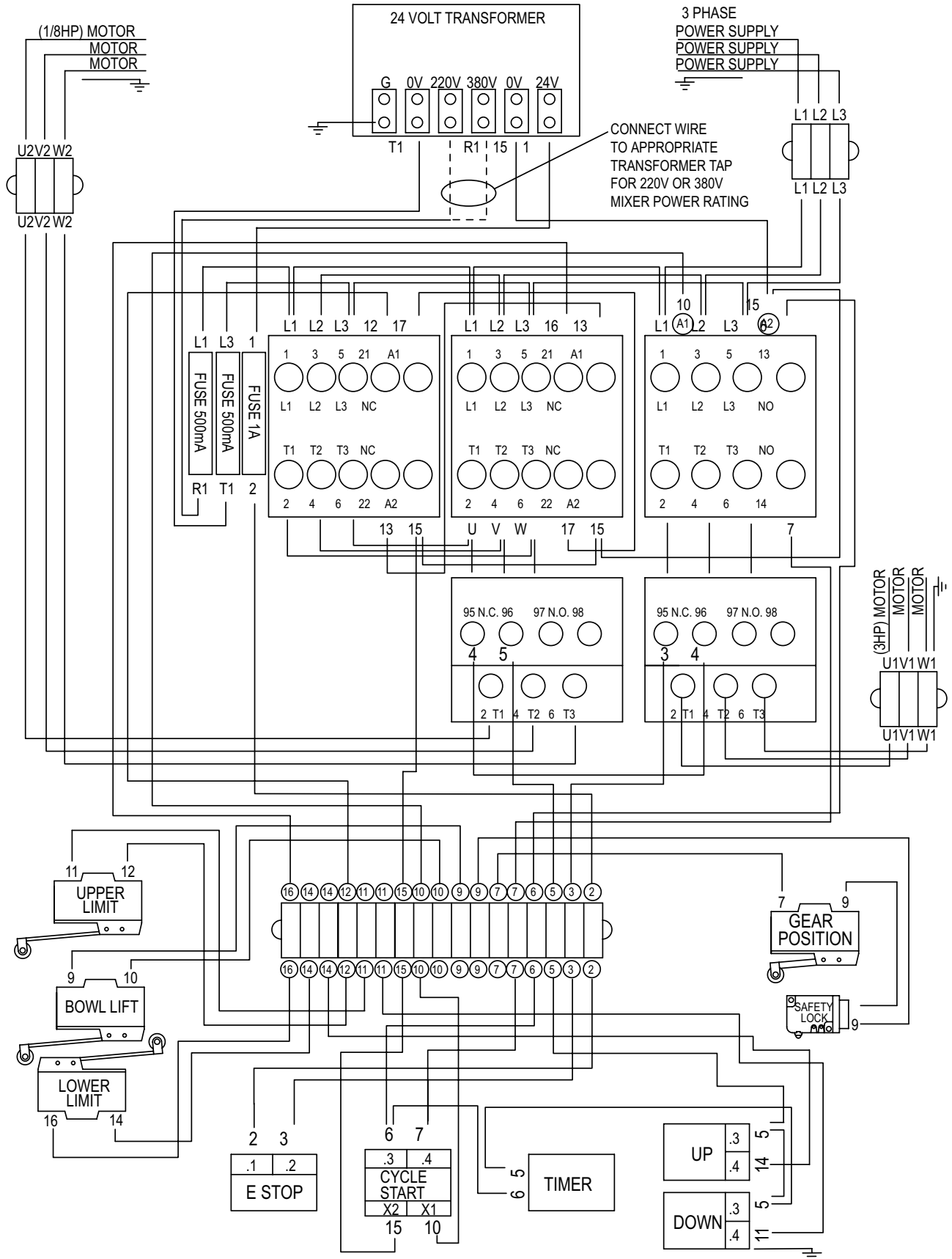
SP80PL  
PLANETARY

ITEM	DESCRIPTION	PART NUMBER	QTY
1	PLANETARY GEAR (59T)	X80F01	1
2	NUT	X80F02	1
3	SCREW	X80F03	6
4	LOCK WASHER	X80F04	1
5	FLAT WASHER	X80F05	1
6	PINION GEAR (18T)	X80F06	1
7	BALL BEARING	X80F07	1
8	SET SCREW	X80F08	1
9	PLANETARY HOLDER	X80F09	1
10	BALL BEARING	X80F10	1
11	OIL SEAL	X80F11	1
12	LEVEL KEY	X80F12	1
13	PLANETARY SHAFT	X80F13	1
14	PLANETARY SHAFT PIN	X80F14	1
15	HOLDER COVER	X80F15	1
16	SCREW	X80F16	6
17	O-RING	X80F17	2
18	GUARD OIL BUSHING	X80F18	1
20	WASHER	X80F20	2
21	LOCK WASHER	X80F21	2
22	S/S SCREW	X80F22	2
23	WASHER	X80F23	1
24	LOCK WASHER	X80F24	1
25	SCREW	X80F25	1
26	CONNECTOR	X80J31	2
27	REAR GUARD, FIXED	X80J33	1
28	TUBE WIREWAY	X80J31A	1
29	MICROSWITCH	X80J35	1
29A	SCREW	X80J36	2
30	ACCESS PLUG	X80J34	2
31	SCREW	X80J37	2
32	TOUCH MASS	X80J38	1
33	SAFETY GUARD SPRING LOCK	X80J39	1
34	SCREW	X80J40	2
35	SCREW	X80J41	2
36	SAFETY GUARD SPRING LOCK FIXTURE	X80J42	1
37	SLIDE SHEATH	X80J43	1
38	MAT	X80J44	1
39	PLANETARY INTERNAL GEAR	X80J45	1
40	FRONT INTERLOCKING GUARD ASSY	X80J48	1
41	S/S SCREW	X80J47	8

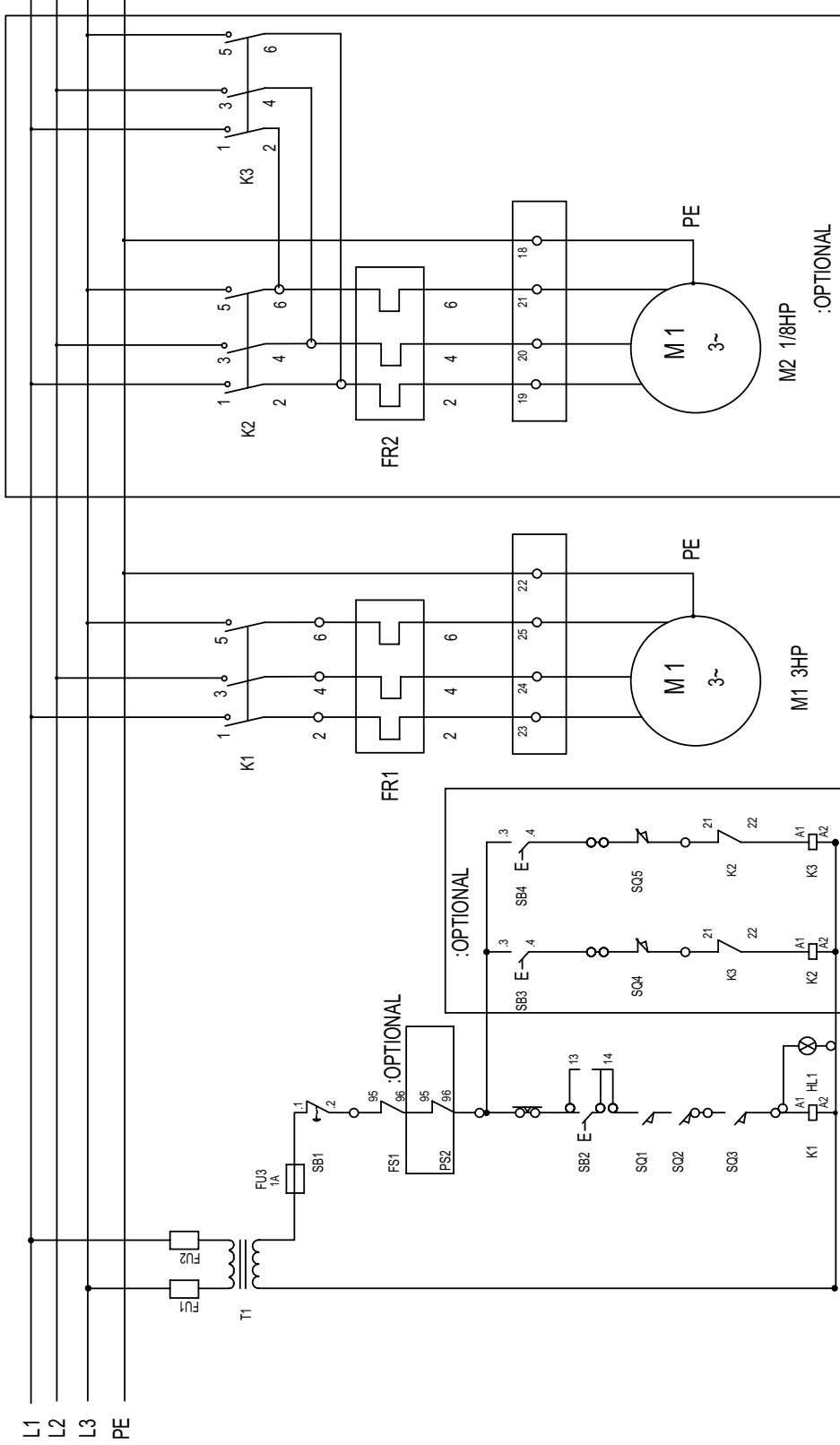
# SP80PL 3 PHASE MANUAL LIFT MIXER SCHEMATIC



# SP80PL 3 PHASE POWER LIFT MIXER SCHEMATIC



# SP80PL THREE PHASE MIXER WIRING 220V



FU4	FUSE FIXTURE + FUSE 1A (5 X 20)
FU5	FUSE FIXTURE + FUSE 1A (5 X 20)
FU6	FUSE FIXTURE + FUSE 1A (5 X 20)
SB1	EMERGENCY STOP BUTTON
SB2	START BUTTON
K1	CONTACT COIL 24VAC
FS1	OVERLOAD RELAY

M1	MOTOR, 3HP, 3PH, 220V OR 380V
KT1	TIMER
SQ1	MICROSWITCH (TRANSMISSION GEAR)
SQ2	MICROSWITCH (INTERLOCK GUARD)
SQ3	MICROSWITCH (BOWL LIFT SAFETY)
SQ4	MICROSWITCH (BOWL LIFT UPPER LIMIT)
SQ5	MICROSWITCH (BOWL LIFT LOWER LIMIT)

SB3	RAISE BUTTON
SB4	LOWER BUTTON
M2	MOTOR, 1/8HP, 3PH, 220V OR 380V
K2	RAISE CONTACTOR COIL, 24VAC
K3	LOWER CONTACTOR COIL, 24VAC
FS2	OVERLOAD RELAY
T1	TRANSFORMER, 24VAC



