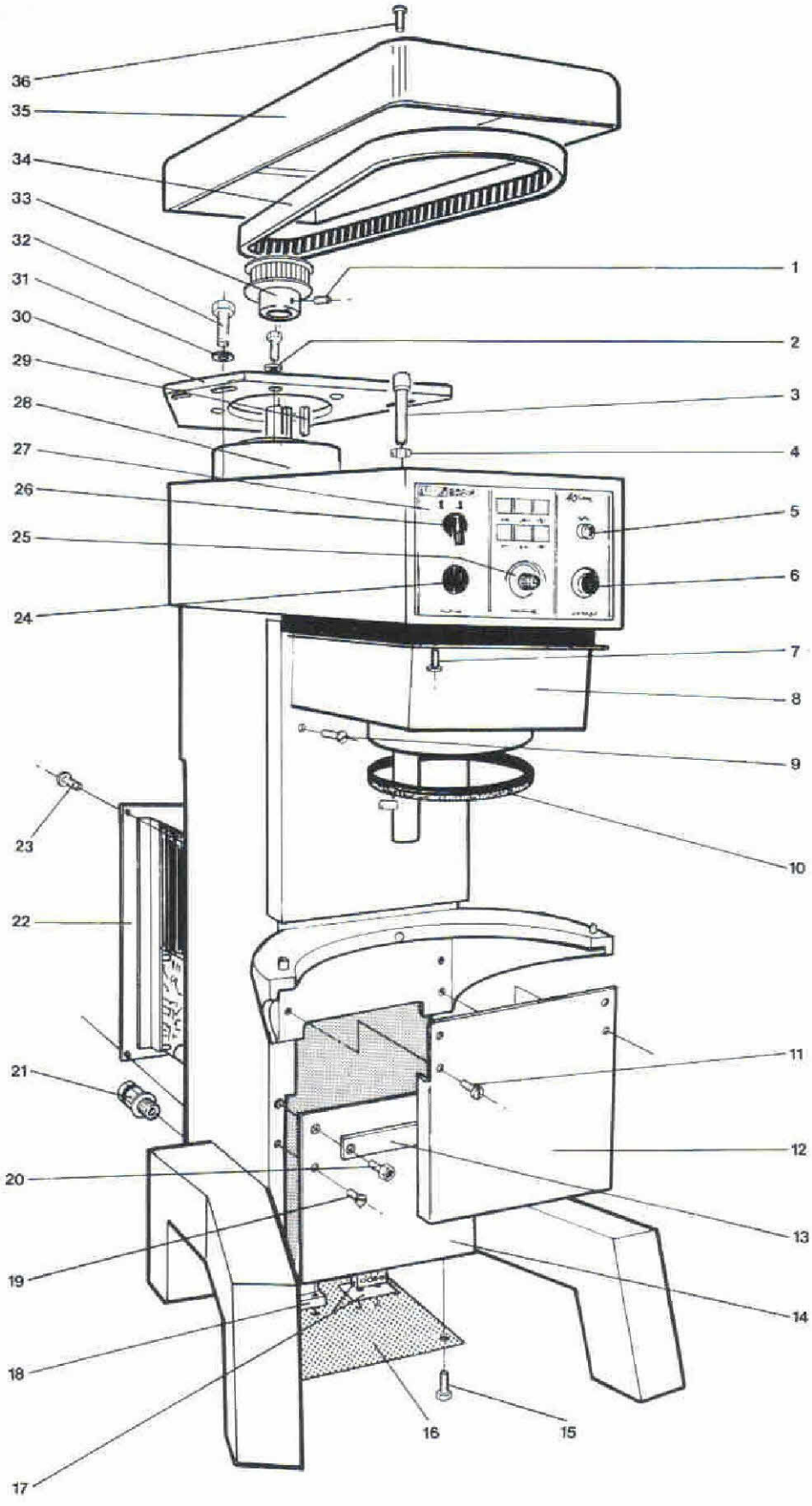
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ED30/EC40 Mixer Spare Parts

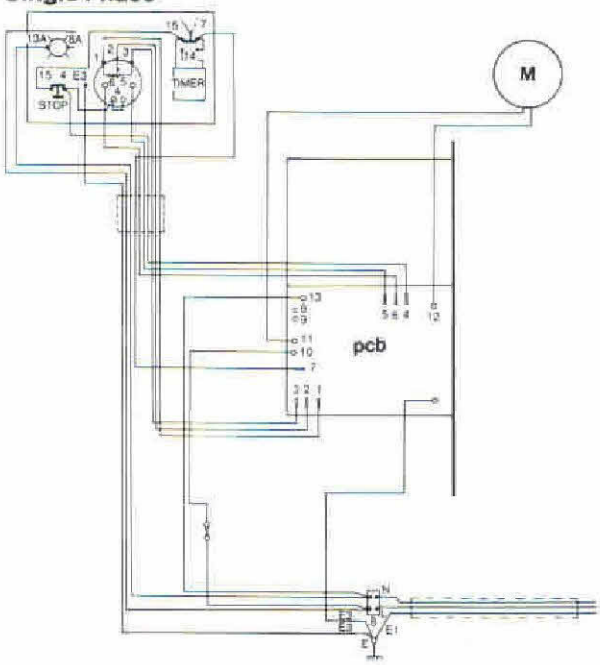
ELECTRICAL DIAGRAMS

Electrical schematic diagrams for single and three phase models are shown in figure 9. Internal wiring of the mixers is colour coded as follows:

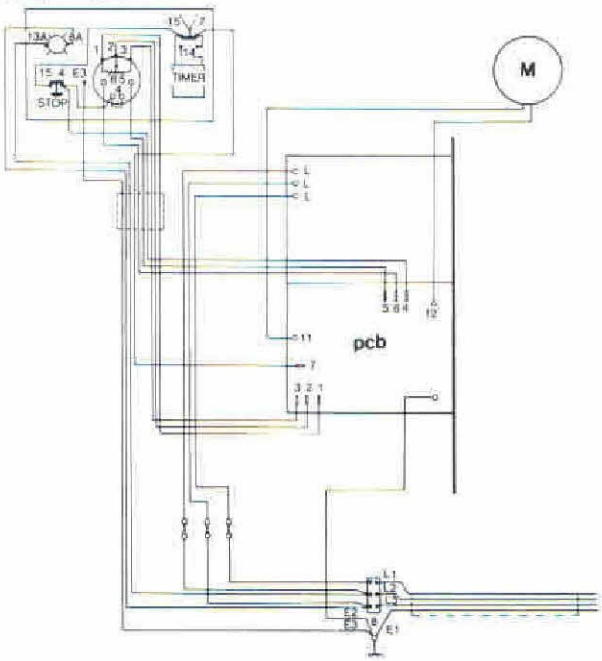
Earth continuity	Green/Yellow
Neutral	Blue
AC power circuits	Brown
Control circuits	Red
DC circuits	Grey

These diagrams are reproduced for the convenience of competent engineers or electricians – if in doubt do not interfere with the internal wiring of the machine.

Single Phase



Three Phase



Covers and Electrical Equipment

Item	Part No.	Description	Qty
1	4005-008-ZA	Grubscrew, M5 x 8 LG	1
2	4108-016-YA	Screw, HX HD M8 x 16 LG	4
		and	
	6008-ZA	M8 Washer	4
3	AS16022	Top Cover Support	4
4	5008-ZA	M8 Nut	4
5	51104/01	Neon Lamp	1
		and	
	51105/01	Sealing Washer	1
6		Stop PB Assembly Comprising:	
	50986/17	Mushroom Operator	1
	50987/02	N/C Contact Block	1
7	3705-008-WA	Screw, Pan HD M5 x 8 LG	6
8	AY43258	Planetary Cover	1
9	3708-012-WA	Screw, Pan HD M8 x 12 LG	2
10	51037/01	Seal Ring VL250	1
11	3704-008-WA	Screw, Pan HD M4 x 8 LG	4
12	AY33305	Cradle Bottom Skirting	1
13	AY27605	Bottom Cradle Stop	1
14	AY33302	Bottom Cover	1
15	4106-010-YA	Screw, HX HD M6 X 10 LG	4
16	AY33303	Bottom Cover Plate	1
17		Terminal Block Assy. Comprising:	
	51015/04	Terminal Block	1
	AT16156	Terminal Board	1
	3703-020-ZA	Screw, Pan HD M3 x 20 LG	2
	5003-ZA	M3 Nut	2
18		Fuseholder C/W Fuse (state single or three phase supply)	1
19	3704-008-WA	Screw, Pan HD M4 x 8 LG	4
20	3708-020-ZA	Screw, Pan HD M8 x 20 LG	2
21	50344/03	Cable Gland	1
22		Electronic Board Assembly (state single or three phase supply)	1
23	4705-010-WA	Screw, Pan HD M5 x 10 LG	6
24	51116/01	Timer	1
		and	
	3703-006-ZB	Screw, Pan HD M3 x 6 LG	2
25		Speed Control Comprising	1
	51075/08	Switched Potentiometer	1
	51072/01	Control Knob	1
	51072/02	Cap for Control Knob	1
	51073/01	Figure Dial	1
	6110-XA	M10 Brass Washer	2
26	51106/01	Selector Switch	1
27		Control Panel Comprising:	
	AY33384	Metal Blank	1
	AY33424	Panel Fascia	1
	51126/01	Earth Stud	1
28	51128/01	Motor	1
29	MRE0606/40	Key, 6 x 6 x 40 LG	1
30	AY33383	Motor Mounting Plate	1
31	6008-ZA	M8 Washer	4
32	4108-016-YA	Screw, HX HD M8 x 16 LG	4
33	AY27610	Motor Pulley	1
34	50945/04	Drive Belt 1440-8M-20	1
35	AY43257	Top Cover	1
36	3705-010-ZB	Screw, Pan HD M5 x 10 LG	4

Items required if attachment hub is not fitted.

Item	Part No.	Description	Qty
	AS16303	Blanking Disc	1
		secured by	
	3708-010-ZB	Screw, Pan HD M8 x 10 LG	3

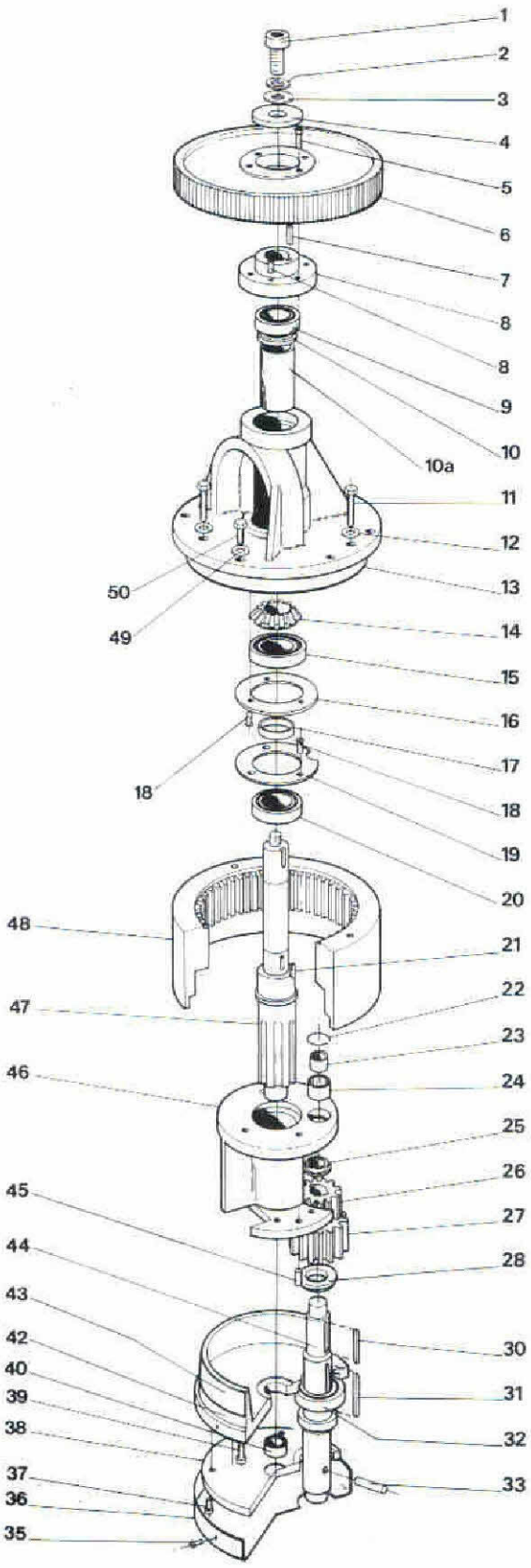
Alternative Parts
Mixers built to UL and CSA standards

Item	Part No.	Description	Qty
5	51104/01	Neon Lamp	1
6	50986/17	Stop Mushroom Operator	1
28	51128/03	Motor	1

Mixers built for Germany

Item	Part No.	Description	Qty
5	51104/04	Neon Lamp	1
6	50986/20	Stop Mushroom Operator	1
		Protection Cover	1

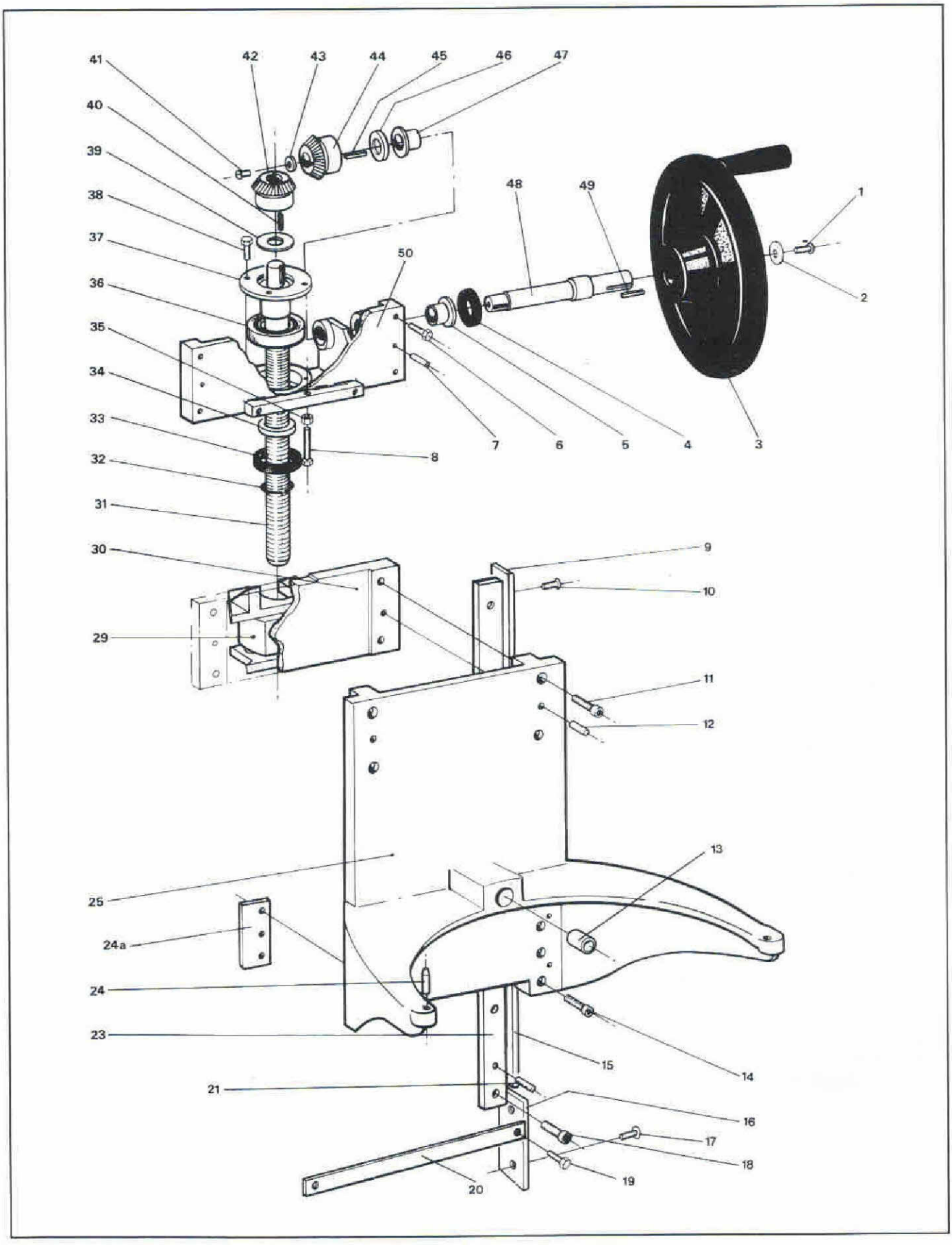
ED30/EC40 Mixer Spare Parts



Planetary Assembly

Item	Part No.	Description	Qty
1	3916-035-YA	Screw, Cap HD M 16 x 35 LG	1
2	6516-TA	Spring Washer	1
3	6216-ZA	M16 Washer	1
4	AS15729	Special Washer	1
5	3906-025-YA	Screw, Cap HD M6 x 25 LG	4
6	AY33381	Planetary Pulley	1
7	MRE1008/25	Key, 10 x 8 x 25	1
8A	MDP0624	Dowel, 6 dia x 24 LG	2
8	AS27242	Planetary Pulley Hub	1
9	50067/08	Bearing, 6207-2RS	1
10	AS16213	Spacer Ring	1
10A	AS16214	Spacer	1
11	4110-065-ZA	Screw, HX HD M10 x 65	3
12	6210-ZA	M10 Washer	3
13	AS60028	Planetary Housing	1
14	AS27522	Bevel Gear	1
15	50067/09	Bearing, 6209-2RS	1
16	AS27142	Cover Plate	1
17	AS15727	Spacer	1
18	4308-020-ZA	Screw, CSK HD M8 x 20	6
19	AS27141	Cover Plate	1
20	50970/02	Bearing, 6009-2RS	1
21	MRE0907/16	Key, 8 x 7 x 16	1
22	50274/11	Circlip, External 25 dia	1
23	50971/01	Inner Race, IR 25 x 30 x 20.5	1
24	50761/02	Needle Bearing, 3020-2RS	1
25	AS15732	Spacer	1
26	AY27608	Pinion	1
27	AY27609	Gear	1
28	AS15731	Spacer	1
30	MRE1008/25	Key, 10 x 8 x 25	2
31	MRE1008/36	Key, 10 x 8 x 36	2
32	50970/01	Bearing, 6008-2RS	1
33	MDP1240	Drive Shaft Pin	1
35	4304-010-ZA	Screw, CSK HD M4 x 10 LG	3
36	AS33289	Cover	1
37	3906-016-YA	Screw, Cap HD M6 x 16 LG	4
38	AS33288	Cover Plate	1
39	3908-030-YA	Screw, Cap HD M8 x 30 LG	4
40	50761/02	Needle Bearing, 3020-2RS	1
		Complete with	
	50971/01	Inner Race	1
42	AT16216	Bearing Tape	1
		Fixed to Item 43 with	
	51121/01	Permabond F241 adhesive	
	51121/02	Permabond Initiator No. 1	
43	AS60160	Bearing Plate	1
44	AY43261	Drive Shaft	1
45	MDP0840	Dowel, 8 dia x 40 LG	1
46	AY43259	Housing	1
47	AY43260	Pinion Shaft	1
48	AY33382	Internal Wheel	1
49	6210-ZA	M10 Washer	6
50	4110-025-YA	Screw, HX HD M10 x 25 LG	6

ED30/EC40 Mixer Spare Parts



Bowl Cradle

Item	Part No.	Description	Qty
1	3705-008-WA	Screw, Pan HD M5 x 8 LG	1
2	AS15829	Handwheel Clamp	1
3	AS27218	Handwheel	1
4	51036/01	Oil Seal	1
5	50174/03	Bearing Bush	1
6	3906-020-YA	Screw HX HD M6 x 20 LG	4
7	MDP 0630	Dowel 601A x 30 LG	2
8	4108-030-YA	Screw HX HD M8 x 30 LG	1
9	AY27539	Packing Strip – Left Hand	1
		or	
	AY27540	Packing Strip – Right Hand	1
10	3505-010-ZA	Screw CSK HD M5 x 10 LG	4
11	3908-035-YA	Screw Cap HD M8 x 35 LG	4
12	MDP0640	Dowel, 6 dia. x 40 LG	2
13	AY16302	Bowl Locating Bush	1
14	3908-035-YA	Screw, Cap HD M8 x 35 LG	6
15	AY27541	Slide Rail Packing Strip	2
16	AY27606	Lower Packing Strip	2
17	3505-010-ZA	Screw, CSK HD M5 x 10 LG	4
18	3906-020-YA	Screw, Cap HD M6 x 20 LG	8
19	3708-020-ZA	Screw, HX HD M8 x 20 LG	2
20	AY27605	Bottom Cradle Stop	1
21	MDP0630	Dowel, 6 dia. x 30 LG	2
23	AY33235	Slide rail	2
24	AY16301	Bowl Locating Pin	2
24A	AS27213	Cradle Back Plate	2
25	AY60129	Bowl Cradle	1
29	AS27212	Lifting Nut	1
30	AY43045	Nut Housing	1
31	AS32876	Bowl Lift Screw	1
32	50274/34	Circlip	1
33	51036/02	Oil Seal	1
34	AS15826	Spacer	1
35	5108-ZA	M8 Nut	1
36	50075/02	Bearing	1
37	AS15825	Bearing Cover	1
38	4105-012-YA	Screw, HX HD M5 x 12 LG	4
39	AS15827	Spacer	2
40	MRE0505/20	Key, 5 x 5 x 20 LG	1
41	3705-008-ZA	Screw, Pan HD M5 x 8 LG	1
42	AS16238	Bevel Gear	1
43	AS16099	Washer	1
44	AS16238	Bevel Gear	1
45	MRE0505/20	Key, 5 x 5 x 20 LG	1
46	AS16242	Spacer	1
47	50174/03	Bearing Bush	1
48	AY27487	Handwheel Shaft	1
49	MRE0606/20	Key, 6 x 6 x 20	1
50	AY43044	Screw Housing	1