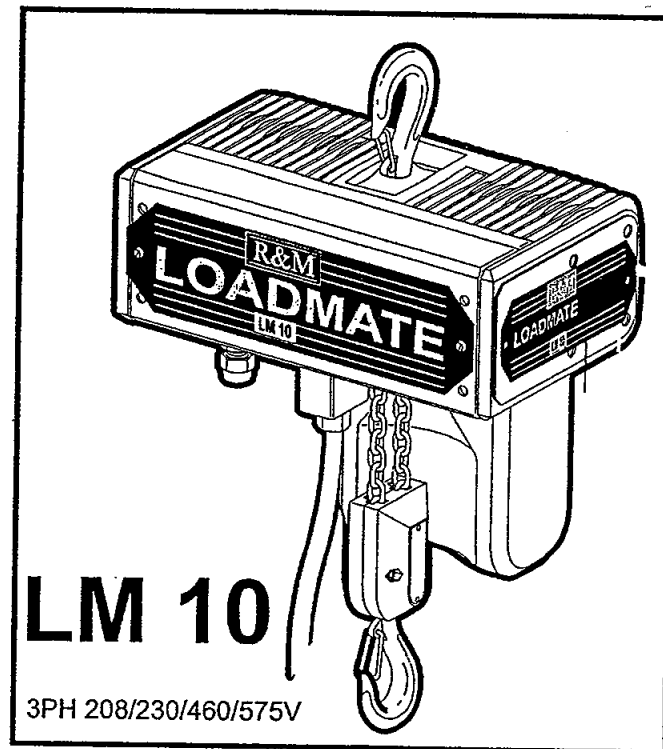




R&M LOADMATE CHAIN HOIST



INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

JOB No.: _____

SERIAL No.: _____

(RECORD HOIST SERIAL NUMBER FOR FUTURE REFERENCE)

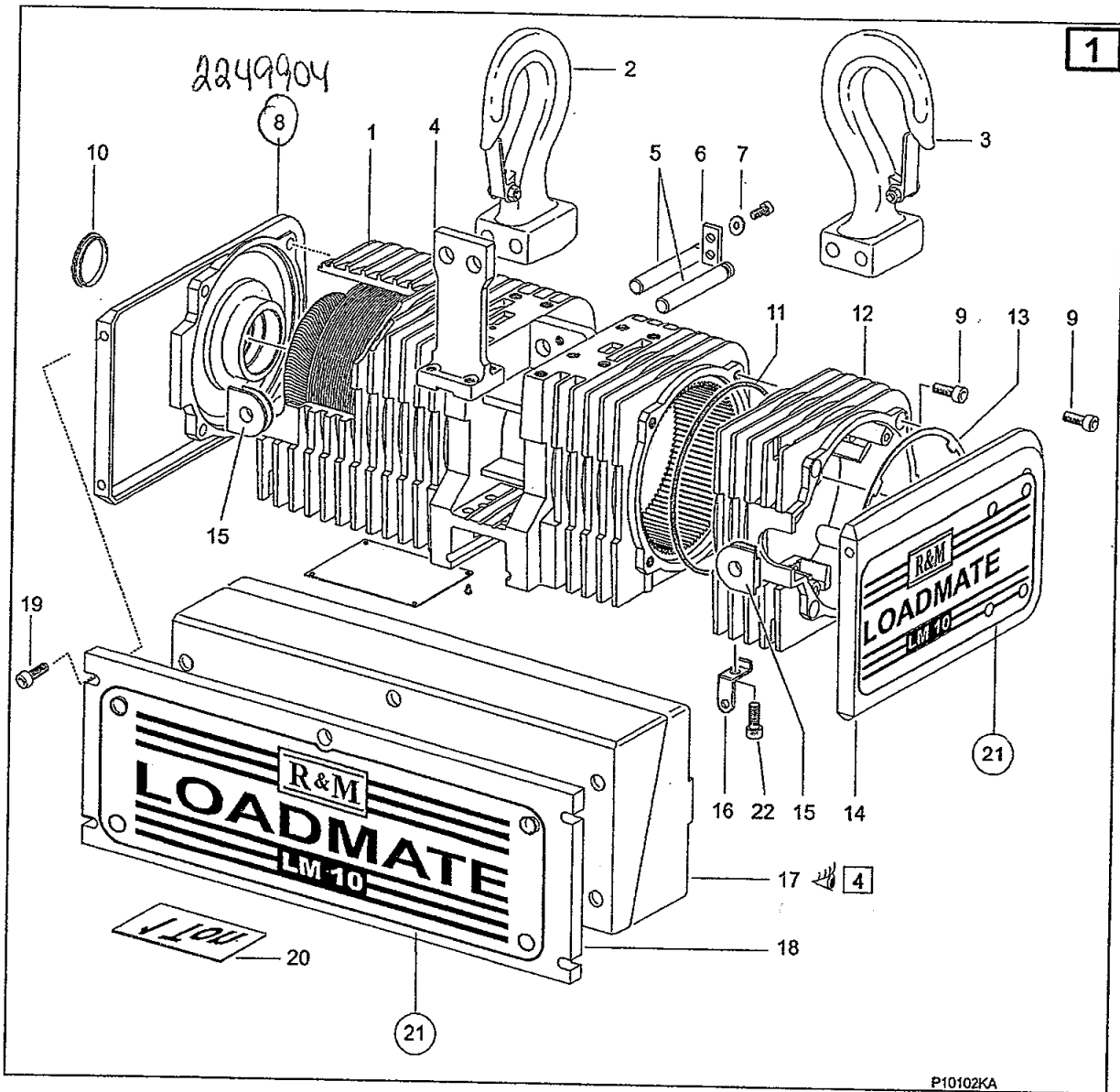


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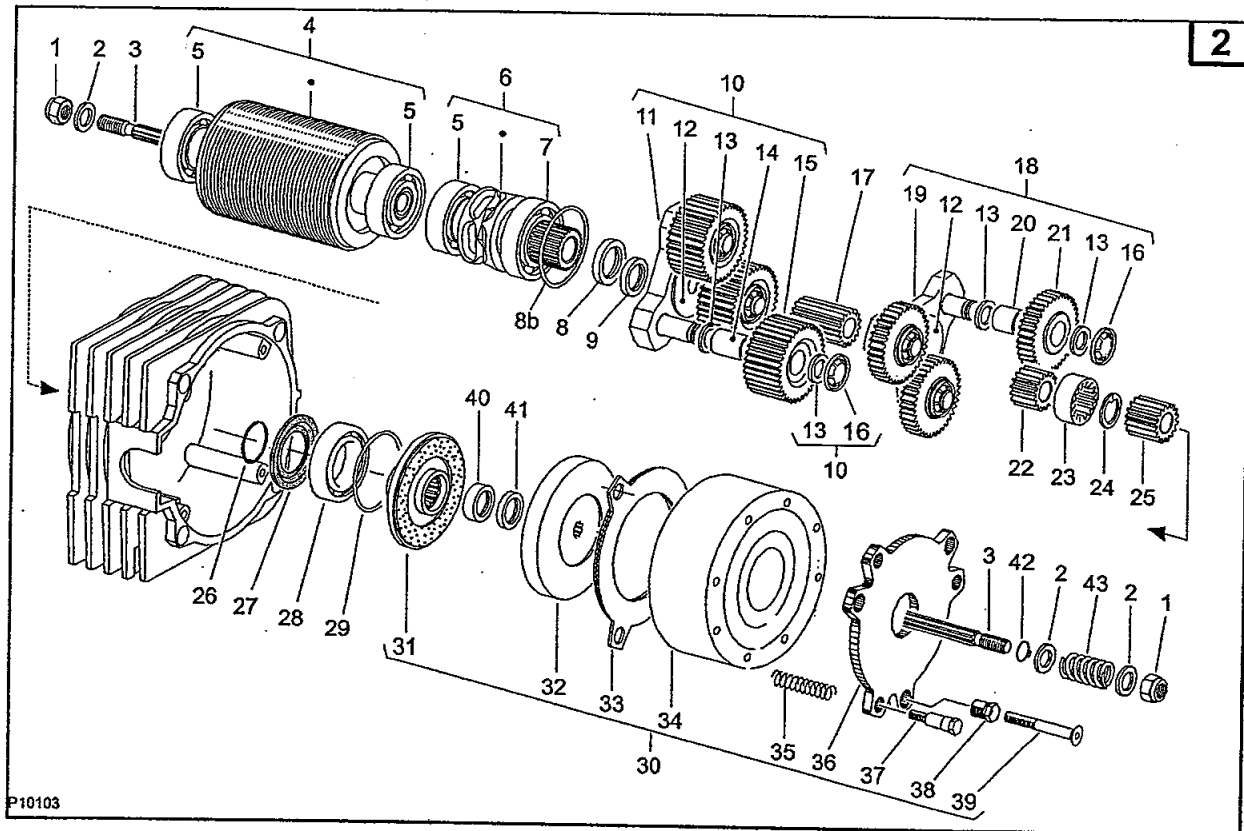


Hoist Body





Gear Mechanism & Version A Brake



Version A brake has been replaced by Version B brake, which are interchangeable.



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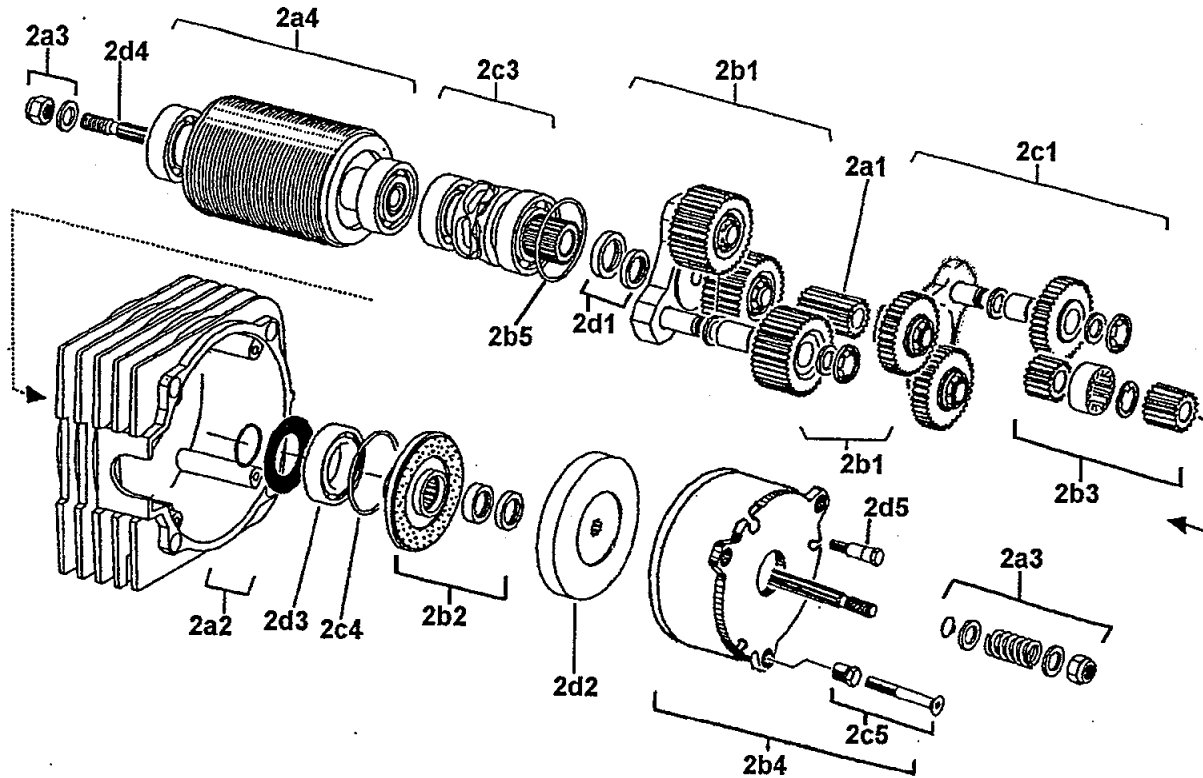
LoadMate® Chain Hoist
LM10 Spare Parts
Revision 5

Gear Mechanism & Version A Brake

Item	Part Number	Description	Comments	Qty	
1		Self locking nut		2	
2		Washer		3	
3	2241501	Gear input shaft assembly		1	
4	2245001	Rotor assembly		1	
5		Bearing		3	
6	2249941	Chain sprocket assembly	=5+7	1	
7		Bearing		1	
	2249971	Seal, retaining ring, bushing set	=8+8b+9	1	
8		Bush		1	
8b		Retaining ring		1	
9		Seal		1	
10	2249938	Planetary gear assembly, 2nd step	16 FPM	1	
10	2240552	Planetary gear assembly, 2nd step	32 FPM	1	
16		Retaining ring		6	
17	2240503	Pinion, 2nd step		1	
18	2249937	Planet gear assembly, 1st step		1	
19		Planet carrier		1	
20		Needle bearing		3	
21		Planet gear, 1st step		3	
	2249981	Coupling pinion set	=22+23+24+25	1	
22		Pinion, 1st step		1	
23		Coupling		1	
24		Snap ring		1	
25		Coupling part		1	
	2249972	Metal sealing ring set	=26+27+28+29	1	
26		Toothed lock ring		1	
28	8176214	Bearing 60072RS1		1	
29		O-ring		1	
30	2241075	Brake & torque limiter assy 190VDC	380V-480V	1	
30	2241076	Brake & torque limiter assy 100VDC	200V-230V	1	
30		Brake & torque limiter assy 240VDC	500-575V	1	
31	2241018	Torque limiter friction disc assy	=31+40+41	1	
32	2241015	Limiter & brake disc		1	
33		Friction disc		1	
34	2241010	190VDC Coil with friction disc	380V-480V	1	
34	2241011	100VDC Coil with friction disc	200V-230V	1	
34	2241012	240VDC Coil with friction disc	500V-575V	1	
35	2241030	Brake spring		1	
36	2241070	Anchor disc		1	
37	2241027	Screw		3	
38		Adjustment nut		3	
39	2249951	Screw M6x40 & nut kit	=38+39	3	
40		Locating bushing		1	
41		Lipseal		1	
42		O-ring		1	
43	2249940	Torque limiter spring set	=1+1+2+2+2+43+42	1	



Gear Mechanism & Version B Brake





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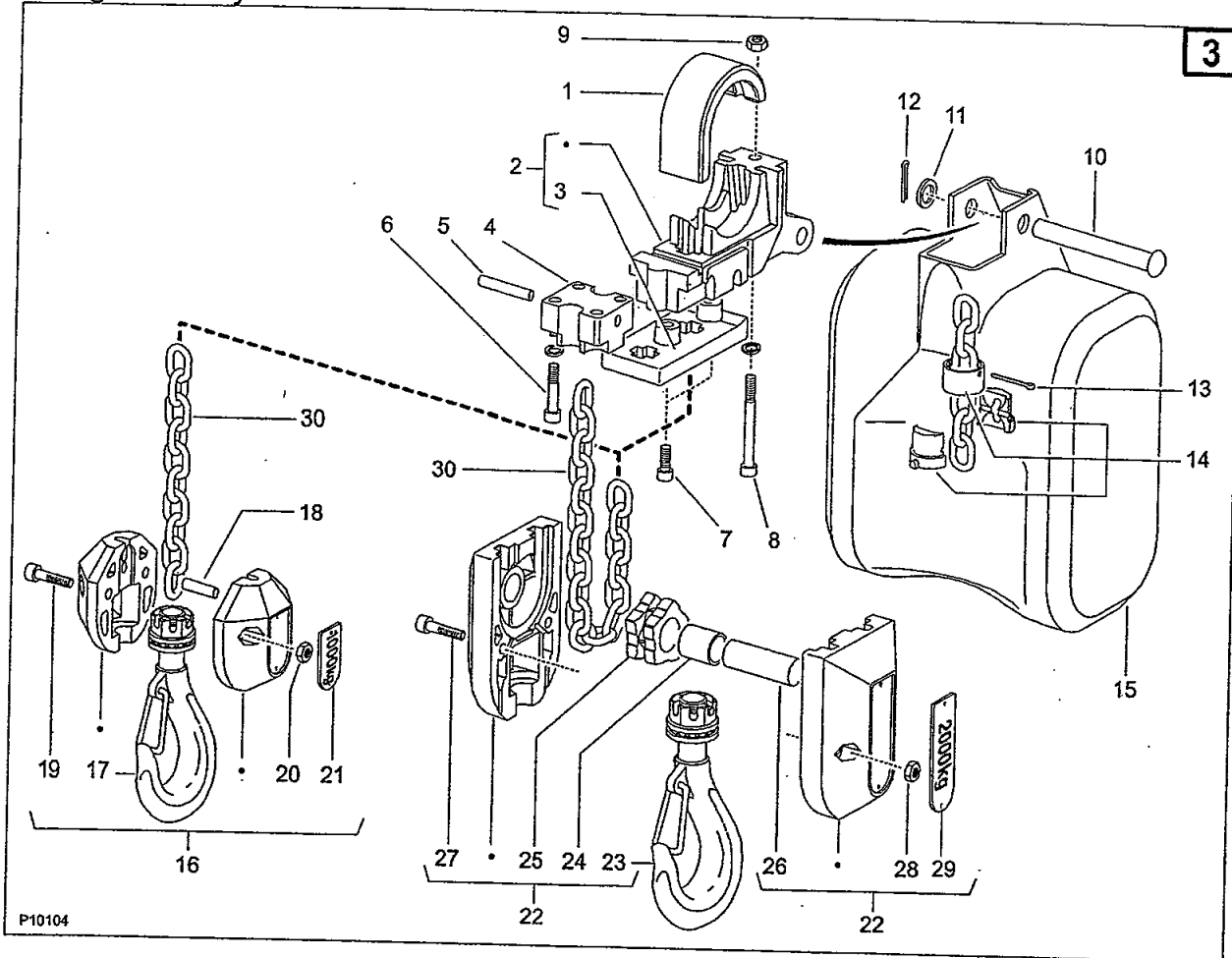
LoadMate® Chain Hoist
LM10 Spare Parts
Revision 5

Gear Mechanism & Version B Brake

Item	Part Number	Description	Comments	Qty	
2a1	2240503	Pinion		1	
2a2	2249970	Seal/ring set		1	
2a3	2249940	Limiter spring set		1	
2a4	2245001	Rotor assembly		1	
2b1	2249938	Planetary gear assembly, 2nd step	16 fpm	1	
2b1	2240552	Planetary gear assembly, 2nd step	32 fpm	1	
2b2	2241018	Limiter friction disc set		1	
2b3	2249981	Brake coupling set		1	
2b4	2248001	Coil assembly 190 VDC	380 to 480 V	1	
2b4	2248000	Coil assembly 100 VDC	200 to 230 V	1	
2b4	2248003	Coil assembly 240 VDC	500 to 575 V	1	
2b5	8287225	Retaining ring		1	
2c1	22449937	Planetary gear assembly, 1st step		1	
2c3	2249941	Chain sprocket assembly		1	
2c4	8386202	O-ring		1	
2c5	2249951	Brake limiter screw set		1	
2d1	2249980	Sprocket parts		1	
2d2	2241015	Clutch disc 1		1	
2d3	8176214	Bearing		1	
2d4	2241501	Shaft		1	
2d5	2241027	Screw		3	



Lifting Assembly





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Lifting Assembly

Item	Part Number	Description	Comments	Qty	
1	2244011	Upper chain guide		1	
2	2244014	Lower chain guide set	=2+8+9	1	
		Lower chain guide		1	
3	2249936	Rubber plate set		1	
		Rubber plate		1	
4	2243523	Chain anchor set		1	
		Slack fall			
5		Dowel		1	
7		Screw		1	
8		Screw		1	
9		Screw		1	
10		Suspension pin		1	
11		Washer		1	
12		Split pin		1	
13		Split pin		1	
14	2249942	Slack fall stop assembly		1	
15	2249985	Chain bucket & hardware 25 ft	=10+11+12+15	1	
15	2249986	Chain bucket & hardware 50 ft	=10+11+12+15	1	
15	2249987	Chain bucket & hardware 100 ft	=10+11+12+15	1	
15	2249988	Chain bucket & hardware 150 ft	=10+11+12+15	1	
16	2249983	Load block complete assembly 1 fall		1	
17	2217004	Hook assembly (1 fall)		1	
17	2212024	Safety latch (1 fall)		1	
18		Shaft		1	
19		Screw		2	
20		Self locking nut		2	
21	2213333002	Self adhesive load plate - 1/2 ton	1 fall	1	
21	2213333004	Self adhesive load plate - 1 ton	1 fall	1	
21	2213333009	Self adhesive load plate - 500 kg	1 fall	1	
21	2213333011	Self adhesive load plate - 1000 kg	1 fall	1	
22	2249984	Load block complete assembly 2 fall	2 fall	1	
23	2242021	Hook assembly (2 fall)	2 fall	1	
23a	2242017	Safety latch (2 fall)	2 fall	1	
24		Self lubricating bushing	2 fall	1	
25	2249977	Idler sprocket assembly	=24+25+26	1	
26		Shaft		1	
27		Screw		2	
28		Self locking nut		2	
29	2213333004	Self adhesive load plate - 1 ton	2 fall	2	
29	2213333005	Self adhesive load plate - 2 ton	2 fall	2	
29	2213333011	Self adhesive load plate - 1000 kg	2 fall	2	
29	2213333012	Self adhesive load plate - 2000 kg	2 fall	2	
30	2243500	Load Chain 6.8 x 17.8 standard		ar	
	2241045	Chain fitting tool		1	

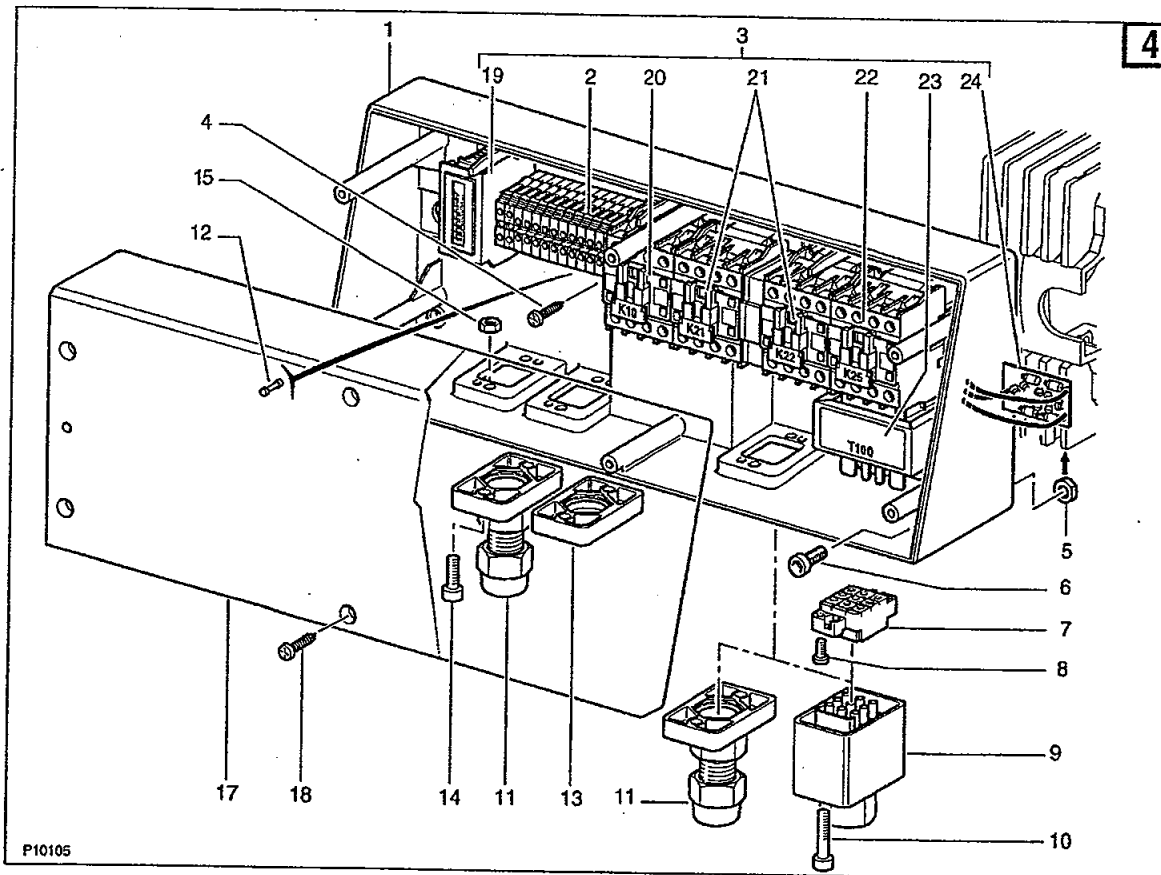


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LM10 Spare Parts
Revision 5

Controls





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LM10 Spare Parts
Revision 5

Controls

Item	Part Number	Description	Comments	Qty	
1	2249935	Electrical box base unit		1	
2		Terminal board		1	
3	2245065	Control panel assy 460V/115V/60Hz	Two speed	1	
3	2245064	Control panel assy 575V/115V/60Hz	Two speed	1	
3	2245065	Control panel assy 230V/115V/60Hz	Two speed	1	
3	2245062	Control panel assy 230/460V/115V	Single speed	1	
4		Screw		9	
5		Stop nut		4	
6		Screw		4	
7	7285039	Female connector + wire harness	Pushbutton pendant	1	
8		Plastic screw		2	
	2249945	Plug set for pushbutton		1	
	2249946	Plug set for trolley		1	
	2249982	Plug set for power supply		1	
9		Plug		1	
10		Screw		2	
11	2219808	Cable gland set		1	
12	2249979	Fuse		1	
13	2219814	Closing plate set		1	
13		Closing plate		1	
14		Screw		4	
15		Nut		4	
17	2249934	Electrical box cover set		1	
		Electrical box cover		1	
18		Plastic Screw		6	
19	2219092	Hour counter		1	
20	8040111	Mainline contactor K10	208-575V/115V	1	
21	8040112	Contactor lifting K21	208-575V/115V	2	
22	8040300	Contactor lowering K22	208-575V/115V	1	
22	8040113	Contactor K25	208-575V/115V	1	
23	7983026	Transformer 208/230/460V/115V		1	
23	7983027	Transformer 575V/115V		1	
23	7983028	Transformer		1	
23	7983029	Transformer		1	
23	7983030	Transformer		1	
24	2243060	Rectifier	575 V	1	
24	2243061	Rectifier	230/460 V	1	
	2218000	Pendant suspension set		1	

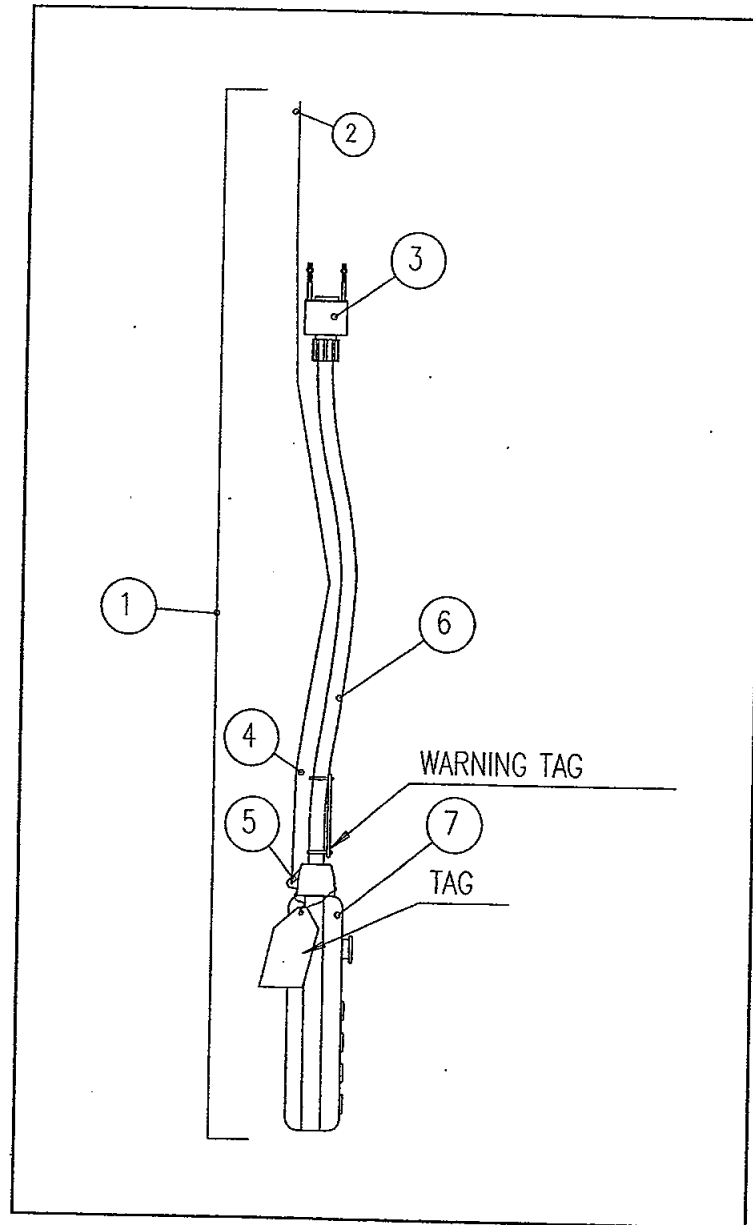


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LoadMate® Chain Hoist
LM1.0 Spare Parts
Revision 5

Pushbutton





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LoadMate® Chain Hoist

LM10 Spare Parts

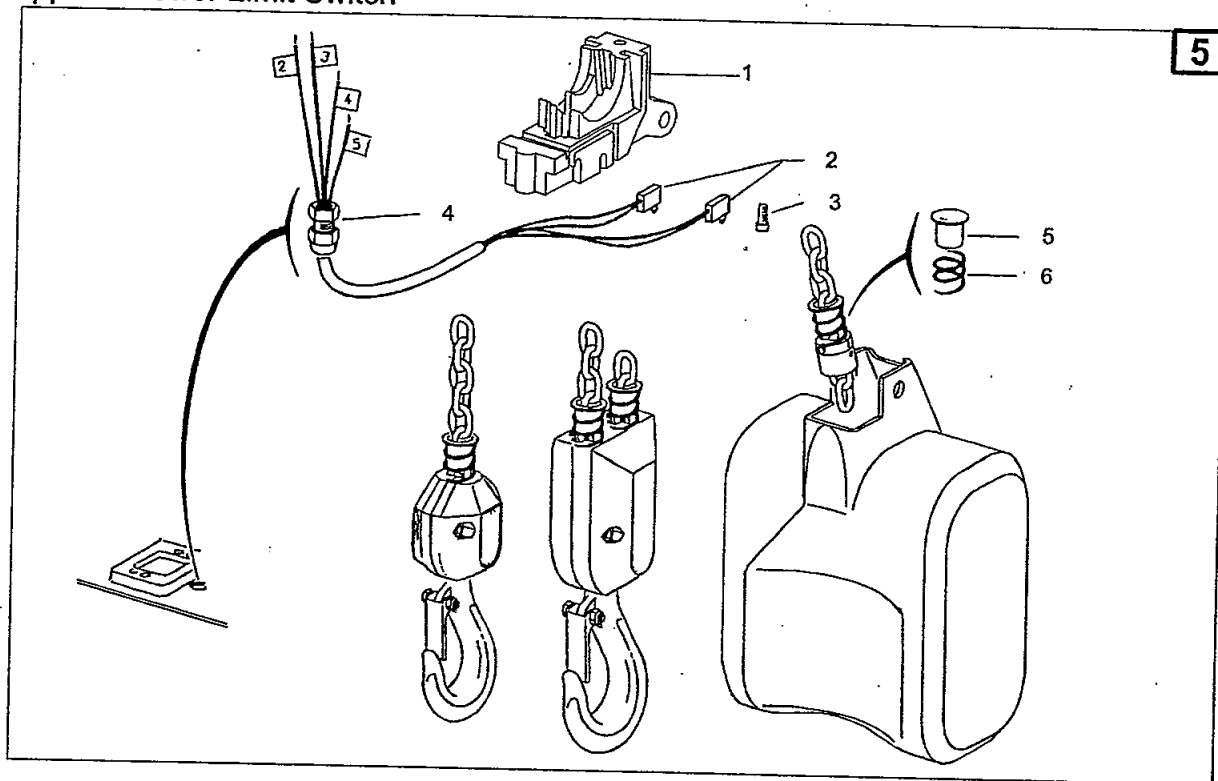
Revision 5

Pushbutton

Item	Part Number	Description	Comments	Qty
1	2309673010	E-stop, SS Hoist pendant assy	10 ft hoist lift	1
1	2309673015	E-stop, SS Hoist pendant assy	15 ft hoist lift	1
1	2309673020	E-stop, SS Hoist pendant assy	20 ft hoist lift	1
1	2309674010	E-stop, TS Hoist pendant assy	10 ft hoist lift	1
1	2309674015	E-stop, TS Hoist pendant assy	15 ft hoist lift	1
1	2309674020	E-stop, TS Hoist pendant assy	20 ft hoist lift	1
1	2309675010	E-stop, SS Hoist, TS Trolley pendant	10 ft hoist lift	1
1	2309675015	E-stop, SS Hoist, TS Trolley pendant	15 ft hoist lift	1
1	2309675020	E-stop, SS Hoist, TS Trolley pendant	20 ft hoist lift	1
1	2309676010	E-stop, TS Hoist, TS Trolley pendant	10 ft hoist lift	1
1	2309676015	E-stop, TS Hoist, TS Trolley pendant	15 ft hoist lift	1
1	2309676020	E-stop, TS Hoist, TS Trolley pendant	20 ft hoist lift	1
2	2218000	Upper suspension kit		1
3	2219812	Plug kit		1
4	2212752001	Strain relief cable		1
5	2212753001	Suspension unit		1
6	RPC1612	Electrical cable		1
7	2212932011	E-stop, SS Hoist pushbutton assy		1
7	2212932012	E-stop, TS Hoist pushbutton assy		1
7	2212932032	E-stop, SS Hoist, TS Trolley pushbutton		1
7	2212932033	E-stop, TS Hoist, TS Trolley pushbutton		1



Upper & Lower Limit Switch



Item	Part Number	Description	Comments	Qty
	2243051	Complete limit switch	=1+2+3+4+5+6	1
1		Switch plate		1
2		Switch set		1
3		M8 x 25 screw		1
4		Cable gland		1
5	2249002	Spring plate	1 fall/2 fall	2/3
6	2249003	Spring	1 fall/2 fall	2/3
-	2249960	Set of springs & spring plates	Items 5 & 6	1