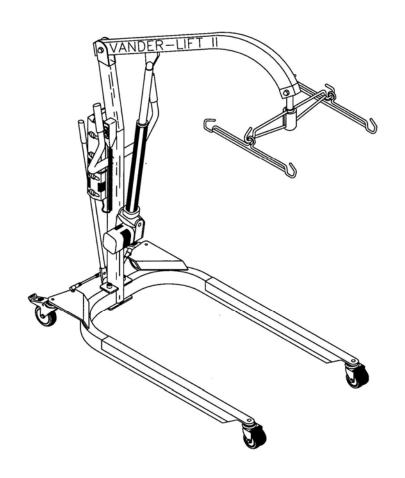
VANDER-LIFT IITM MODELS B450 & B600 MAINTENANCE MANUAL

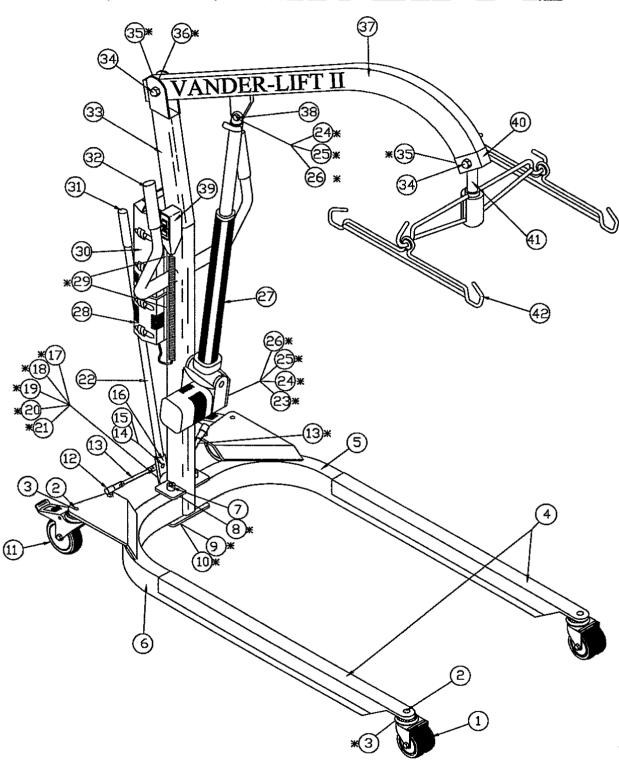


VANCARE, Inc. 1515 First Street Aurora, Nebraska 68818 Phone: (800) 694-4525 FAX: (402) 694-3994 Email: info@vancare.com

Table of Contents

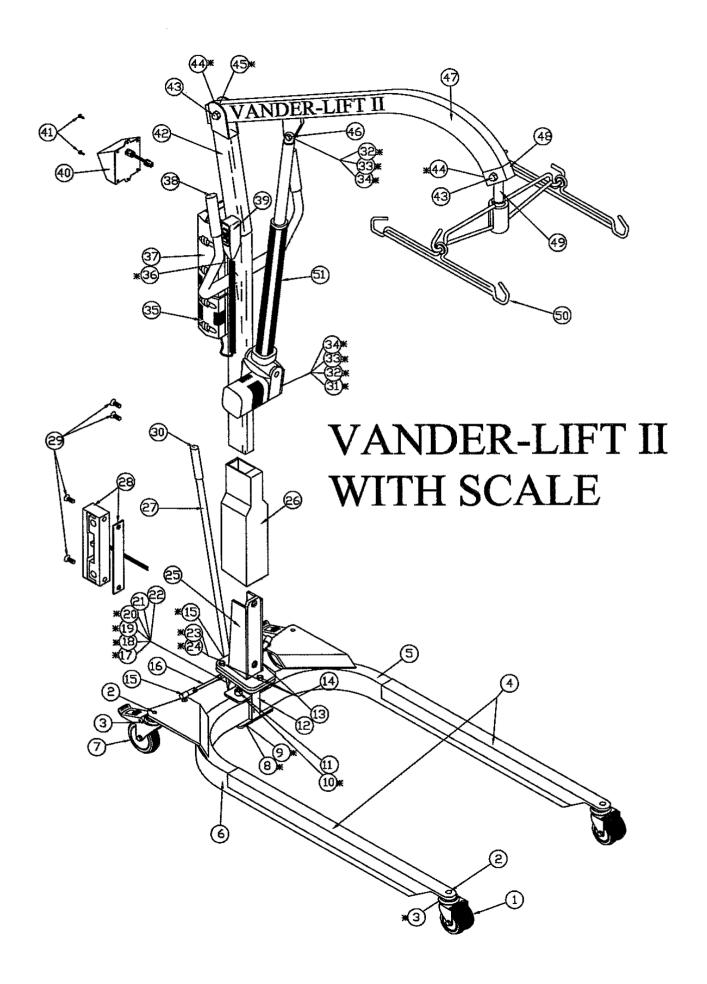
Parts Diagrams & Lists	
Vander-Lift II B450	3
Vander-Lift II BS450 w/built in scale	
Vander-Lift II B600	
Vander-Lift II BS600 w/built in scale	9
Monthly Vander-Lift II Inspection Sheet	12
Monthly Vander-Lift II Sling Inspection Sheet	14
Linear Actuators and Flectronics	4.0

VANDER-LIFT II



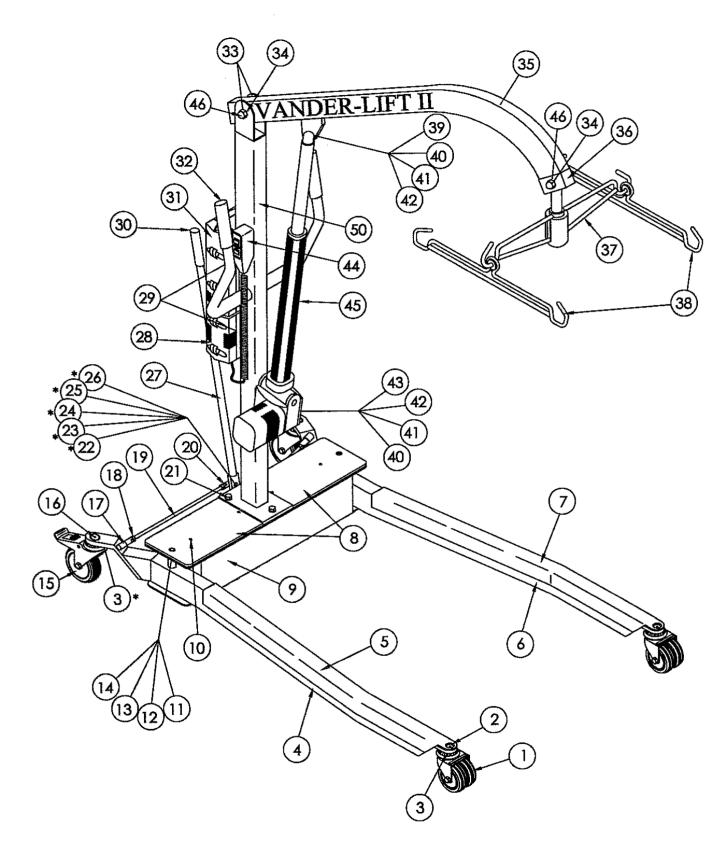
VANDER-LIFT II B450 (PURPLE) 4-L-2450

REF#	PART#	DESCRIPTION	QTY
1		CASTER 3" NON-LOCK	2
2	MFG-9-238120	3/8-16X1.25 FH-SH/SS	4
3	MFG-9-263820	3/8-16 NYLON LOCKNUT	4
4		V-L LEG PROTECTOR - CLEAR	2
*		#6-32-1/2 SCREW FHPH	4
5		LEG V-L 2 LEFT PURPLE	1
6		LEG V-L 2 RIGHT PURPLE	1
7		1/2-13 NYLON INSERT JAM NUT	2
8		WASHER .062/SS	2
9		WASHER .040/SS	2
10	MFG-9-250047	1/2-13 X 4 SH CS -SS	2
11	MFG-9-523120	CASTER 4" LOCKING	2
12	MFG-9-583600	TIE ROD END	4
13	MFG-6-582600	TIE ROD-2	1
13*	MFG-6-582601	TIE ROD-2 LEFT/BEND	1
14	MFG-9-293807	3/8" SPLIT LOCK WASH	4
15	MFG-9-263824	3/8-24 N.F. NUT-ZN	8
16	MFG-6-542470	INDEX ARM-2	1
17	MFG-6-542575	INDEX GUIDE BOLT	1
18	MFG-9-250045	1/2-13 X 4 1/2 HH	1
19	MFG-6-542212	.060 RACE	2
20		.078 THRUST BEARING	1
21		1" GREEN SPRING/DANLY	1
22	MFG-6-573290	SHIFT BAR-2 (29")	1
23	MFG-9-238154	3/8-16X1.5 HH GR5 Z	1
24	MFG-9-295012	WASHER .020/NYLON	4
25	MFG-9-677100	ACTUATOR SPACER	2
26	MFG-9-263820	3/8-16 NYLON LOCKNUT	2
27	MFG-4-611100	LINAK ACTUATOR	1
28		LINAK CONTROL BOX	1
29		1/4-28-1/2 BH SH-SS	1
30	MFG-9-323200	LINAK BATTERY	1
31	MFG-9-633820	7/8" END CAP-RUBBER	1
32	MFG-9-671050	1-1/4" ROUND RIBBED PLUG	2
33	MFG-7-242060	MAST V-L 2 PURPLE	1
34	MFG-9-265005	JAM NUT 1/2-20 N.F	2
35	MFG-9-250250	1/2-20-2 1/2 HH GR 5	1
36	MFG-9-624110	BRONZE BUSHING 3/4"	2
37	MFG-7-242020	ARM/V-L 2 PURPLE	1
38	MFG-9-268152	3/8-16X1.5 BH SH(SS)	1
39	MFG-9-323301	LINAK SINGLE HANDSWITCH	1
40	MFG-4-510248	PLASTIC CAP (GREY)	1
41	MFG-7-910222	HANGER BAR-2/COMP GREY	1
42	MFG-4-910120	HANGER ROD COMPLETE	2
*	MFG-9-323500	CHARGING CABLE	1
*	MFG-9-225020	3/4 WHITE PLASTIC NUT COVER	6
29 TOP	MFG-9-225870	1/4 28 X 1 BH SH SS	1
29 TOP	MFG-9-321204	CONTROL PAK SPACER	1



VANDER-LIFT II B450 W/SCALE (PURPLE) 4-L-2457

REF# PART # DESCRIPTION QTY			6450 W/SCALE (PURPLE) 4-L-	
2 MFG-9-238120 38-16X1.25 FH-SH/SS 4 3 MFG-9-263820 3/8-16 NYLON LOCKNUT 4 4 MFG-4-900615 V-L LEG PROTECTOR - CLEAR 2 * MFG-9-270670 #6-32-1/2 SCREW FHPH 4 5 MFG-7-242051 LEG V-L 2 LEFT PURPLE 1 6 MFG-7-242051 LEG V-L 2 LEFT PURPLE 1 7 MFG-9-253120 CASTER 4" LOCKING 2 8 MFG-9-250047 1/2-13 X 4 SH CS -SS 2 9 MFG-9-295040 WASHER .040/SS 2 10 MFG-9-295062 WASHER .052/SS 2 11 MFG-9-265002 WASHER .052/SS 2 11 MFG-9-285002 WASHER .052/SS 2 11 MFG-9-288002 WASHER .052/SS 2 11 MFG-9-288002 WASHER .052/SS 2 11 MFG-9-288020 M2-13 NYLON INSERT JAM NUT 2 12 MFG-7-542670 BASE II/SCALE PURPLE 1 13 MFG-9-238122 3/8-16 X 1 1/4 HH-G5 3 14 MFG-9-238007 3/8" SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-9-583600 TIE ROD END 4 17 MFG-6-542271 INDEX GUIDE BOLT 1 17 MFG-6-542271 INDEX GUIDE BOLT 1 18 MFG-6-5422710 INDEX ARM-2/SCALE 1 19 MFG-6-542211 0/78 THRUST BEARING 1 10 MFG-9-2050045 1/2-13 X 4 1/2 HH 1 123 MFG-9-250045 1/2-13 X 4 1/2 HH 1 124 MFG-9-5638201 TIE ROD-2 LEFT/BEND 1 15 MFG-9-5638201 TIE ROD-2 LEFT/BEND 1 16 MFG-9-5638201 SI-21 MS A 1 1/2 HH 1 1 MFG-9-23812 3/8-24 N.F. NUT-ZN 8 125 MFG-9-563821 3/8-24 N.F. NUT-ZN 8 126 MFG-9-250345 3/8-16 X 1 FH SH(SS) 2 127 MFG-6-771017 MAST/SCALE LIOND CELL 1 128 MFG-9-238107 3/8-14 N.F. NUT-ZN 8 129 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 130 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 140 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 150 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 150 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 150 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 151 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 152 MFG-9-233010 LINAK CONTOL BOX 1 1 MFG-9-245004 1 LINAK CONTOL BOX 1 1 MFG-9-245004 1 LINAK SINGLE HANDSWITCH 1 1 MFG-9-245005 1 LINAK SINGLE HANDSWITCH 1 1 MFG-9-245007 1 LINAK CONTOL BOX 1 1 MFG-9-245000 1 LINAK SINGLE HANDSWITCH 1 1 MFG-9-245000 1 LINAK SINGLE HANDSWITCH 1 1 MFG-9-245000 1 LINAK SINGLE HANDSWITCH 1 1 MFG-9-245000 1 LINAK CONTOL BOX 1 1 MFG-9-250500 1 LINAK CONTOL BOX 1 1 MFG-9-		PART #	DESCRIPTION	
3 MFG-9-263820 38-16 NYLON LOCKNUT				
## MFG-9-270670 ##6-32-1/2 SCREW FHPH ## ## ## ## ## ## ## ## ## ## ## ## ##				
* MFG-9-270670 #6-32-1/2 SCREW FHPH				
5 MFG-7-242051 LEG V-L 2 LEFT PURPLE 1 6 MFG-7-242052 LEG V-L 2 RIGHT PURPLE 1 7 MFG-9-523120 CASTER 4" LOCKING 2 8 MFG-9-250047 /1/2-13 X 4 SH CS -SS 2 9 MFG-9-250047 /1/2-13 X 4 SH CS -SS 2 10 MFG-9-250082 WASHER. 040/SS 2 11 MFG-9-265008 /1/2-13 NYLON INSERT JAM NUT 2 12 MFG-9-245009 WASHER. 062/SS 2 11 MFG-9-283122 MASHER. 062/SS 2 11 MFG-9-283122 J3/8-18 X 1 1/4 HH-G5 3 13 MFG-9-283122 J3/8-18 X 1 1/4 HH-G5 3 14 MFG-9-293807 J3/8" SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-6-542575 INDEX GUIDE BOLT 1 17 MFG-6-542575 INDEX GUIDE BOLT 1 18 MFG-6-542211 J0/8 THRUST BEARING 1 19 MFG-6-542211 J0/8 THRUST BEARING 1 20 MFG-6-542211 J0/8 ORACE 2 21 MFG-9-250045 I1/2-13 X 4 1/2 HH 1 22 MFG-9-263824 J3/8-18 X 1,F NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-6-542800 V-2, V-L 2 CELL MOUNT (PURPLE) 1 27 MFG-6-542814 J3/8-18 X 1,F NUT-ZN 8 28 MFG-9-238154 J3/8-18 X 1,F NUT-ZN 8 29 MFG-9-238154 J3/8-18 X 1,F NUT-ZN 8 30 MFG-9-238154 J3/8-18 X 1,F NUT-ZN 1 31 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 2 32 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 2 33 MFG-9-238104 J3/8-18 X 1,F HH GR5 Z 1 34 MFG-9-238300 J3/8-16 X 1 FH SH(SS) 2 35 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 2 36 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 2 37 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 1 38 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 1 39 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 1 30 MFG-9-238107 J3/8-16 X 1 FH SH(SS) 2 31 MFG-9-263820 J3/8-16 NYLON LOCKNUT 2 32 MFG-9-633200 LINAK SINGLE HANDSWITCH 1 33 MFG-9-225880 J1/4-128-114 BH SH-SS 2 44 MFG-9-225880 J1/4-128-114 BH SH-SS 2 45 MFG-9-225880 J1/4-128-114 BH SH-SS 2 46 MFG-9-225880 J1/4-128-114 BH SH-SS 2 47 MFG-9-624110 BCON MASTY-CAUE ON METER SINGLE HANDSWITCH 1 48 MFG-9-268152 J3/8-16 X 1 FH SH(SS) 1 49 MFG-9-233010 LINAK SINGLE HANDSWITCH 1 40 MFG-9-242007 AMNU-L 2 WISCALE (PURPLE) 1 41 MFG-9-268152 J3/8-16 X 1 FH SH(SS) 1 42 MFG-9-268152 J3/8-16 X 1 FH SH(SS) 1 43 MFG-9-233010 LINAK SINGLE HANDSWITCH 1 44 MFG-9-264810 AMSTY-CAUE ON METER SINGLE HANDSWITCH 1 45 MFG-9-225880 H1-12-12-14-14-14-14-15-15-14				
6 MFG-7-242052 LEG V-L 2 RIGHT PURPLE 1 7 MFG-9-253120 CASTER 4" LOCKING 2 8 MFG-9-250047 1/2-13 X 4 SH CS -SS 2 9 MFG-9-295060 WASHER 040/SS 2 10 MFG-9-295062 WASHER 062/SS 2 11 MFG-9-265008 1/2-13 NYLON INSERT JAM NUT 2 12 MFG-7-542670 BASE II/SCALE PURPLE 1 13 MFG-9-238122 3/8-16 X 1 1/4 HH-G5 3 14 MFG-9-23807 3/8" SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-9-6583600 TIE ROD END 4 17 MFG-6-542670 INDEX GUIDE BOLT 1 17 MFG-6-542670 INDEX GUIDE BOLT 1 18 MFG-6-542700 INDEX ARM-2/SCALE 1 19 MFG-6-542701 INDEX GUIDE BOLT 1 10 MFG-6-542710 INDEX ARM-2/SCALE 1 10 MFG-6-542211 .078 THRUST BEARING 1 10 MFG-6-542211 .078 THRUST BEARING 1 10 MFG-9-250045 1/2-13 X 4 1/2 HH 1 11 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 12 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 12 MFG-7-542670 V-2, V-L 2 CELL MOUNT (PURPLE) 1 12 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 12 MFG-9-238154 3/8-16X 1.5 HH GR5 Z 1 13 MFG-9-238107 3/8-16 X 1 FH SHRS) 2 2 MFG-9-238107 3/8-16 X 1 FH SHRS) 2 2 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 28 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 29 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 20 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 21 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 22 MFG-9-238107 MAST/SCALE CELL HOUSING PURPLE 1 23 MFG-9-238107 MAST/SCALE LOAD CELL 1 24 MFG-9-238107 MAST/SCALE LOAD CELL 1 25 MFG-9-238107 MAST/SCALE LOAD CELL 1 26 MFG-9-238107 MAST/SCALE LOAD CELL 1 27 MFG-9-238107 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 MAST/SCALE LOAD CELL 1 29 MFG-9-238107 MAST/SCALE LOAD CELL 1 20 MFG-9-238107 MAST/SCALE LOAD CELL 1 21 MFG-9-263820 MAST/SCALE LOAD CELL 1 22 MFG-9-238107 MAST/SCALE LOAD CELL 1 23 MFG-9-238107 MAST/SCALE LOAD CELL 1 24 MFG-9-238107 MAST/SCALE LOAD CELL 1 25 MFG-9-238107 MAST/SCALE LOAD CELL 1 26 MFG-9-238107 MAST/SCALE LOAD CELL 1 27 MFG-9-238107 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 MAST/SCALE LOAD CELL 1 29 MFG-9-238107 MAST/SCALE MAST/SC				
7 MFG-9-251212 CASTER 4" LOCKING 8 MFG-9-250047 12-13 X 4 S LCS -SS 2 9 MFG-9-250047 WASHER .040/SS 2 10 MFG-9-295040 WASHER .040/SS 2 11 MFG-9-265008 12-13 NYLON INSERT JAM NUT 2 12 MFG-9-265008 12-13 NYLON INSERT JAM NUT 2 13 MFG-9-238122 3/8-16 X 1 1/4 HH-G5 3 14 MFG-9-293807 3/8" SPLIT LOCK WASH 7 15 MFG-9-583800 TIE ROD END 4 16 MFG-9-542575 INDEX GUIDE BOLT 1 17 MFG-6-542575 INDEX GUIDE BOLT 1 18 MFG-9-542770 INDEX ARM-2/SCALE 1 19 MFG-6-542271 0/80 KARM-2/SCALE 1 19 MFG-6-542211 0/78 THRUST BEARING 1 20 MFG-6-542212 0/80 RACE 2 21 MFG-9-250045 1/2-13 X 4 1/2 HH 1 22 MFG-9-263024 1/2-13 X 4 1/2 HH 1 23 MFG-9-263024 1/2-13 X 4 1/2 HH 1 24 MFG-9-263024 1/2-13 X 4 1/2 HH 1 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L/2/SCALE CELL HOUSING PURPLE 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238107 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238104 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238104 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238104 13/8-16X1.5 HH GR5 Z 1 31 MFG-9-238107 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238107 WASHER .020/NYLON 4 32 MFG-9-677101 ACTUATOR SPACER 2 33 MFG-9-677100 ACTUATOR SPACER 2 34 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 35 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 36 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 37 MFG-9-677100 ACTUATOR SPACER 2 38 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 39 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 30 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 31 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 31 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-677100 ACTUATOR SPACER 2 34 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 35 MFG-9-238107 1/3-16X1.5 HH GR5 Z 1 36 MFG-9-232100 LINAK CONTROL BOX 1 37 MFG-9-67100 ACTUATOR SPACER 2 38 MFG-9-232300 LINAK SINGLE HANDSWITCH 1 39 MFG-9-2724007 MAST V-L 2 WSCALE (PURPLE) 1 40 MFG-9-250800 JAM NUT 1/2-20 N.F 2 41 MFG-9-225080 JAM NUT 1/2-20 N.F 2 42 MFG-9-232300 LINAK GOTTROL BOX 1 43 MFG-9-232300 LINAK GOTTROL BOX 1 44 MFG-9-232500 HANGLER BAR-2/COMP GREY 1 45 MFG-9-321218 CABLE EXTENSION 1 57 MFG-9-321218 CABLE EXTENSI				
8 MFG-9-250047 1/2-13 X 4 SH CS -SS 2 9 MFG-9-2950602 WASHER .040/ISS 2 10 MFG-9-265008 WASHER .062/ISS 2 11 MFG-9-265008 LY2-13 NYLON INSERT JAM NUT 2 12 MFG-7-542670 BASE II/SCALE PURPLE 1 13 MFG-9-293807 3/8 SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-8-583600 TIE ROD END 4 16 MFG-6-582600 TIE ROD-2 1 17 MFG-6-5422710 INDEX ARM-2/SCALE 1 19 MFG-6-5422711 JOR RACE 2 20 MFG-6-542212 JOR RACE 2 21 MFG-6-542211 JOR RACE 2 22 MFG-6-542212 JOR RACE 2 21 MFG-6-542211 JOR RACE 2 21 MFG-6-542212 JOR RACE 2 21 MFG-6-542211 JOR RACE 1				
9 MFG-9-295040 WASHER .040/SS 2 10 MFG-9-295062 WASHER .062/SS 2 11 MFG-9-265008 1/2-13 NYLON INSERT JAM NUT 2 12 MFG-7-542670 BASE II/SCALE PURPLE 1 13 MFG-9-238122 3/8-16 X 1 1/4 HH-GS 3 14 MFG-9-238122 3/8-16 X 1 1/4 HH-GS 3 15 MFG-9-583600 TIE ROD END 4 16 MFG-6-582600 TIE ROD END 4 17 MFG-6-582600 TIE ROD END 4 18 MFG-6-542275 INDEX GUIDE BOLT 1 19 MFG-6-542271 INDEX ARM-2/SCALE 1 19 MFG-6-542211 0/78 THRUST BEARING 1 20 MFG-6-542211 0/78 THRUST BEARING 1 21 MFG-6-542211 0/78 THRUST BEARING 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD -2 LEFT/BEND 1 24 MFG-9-263024 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2. V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-542870 V-2. V-L 2 CELL MOUNT (PURPLE) 1 27 MFG-6-771017 MAST/SCALE CLL HOUSING PURPLE 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 30 MFG-9-238154 3/8-16 X 1 FH SH(SS) 2 31 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 33 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 34 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 35 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 36 MFG-9-238100 LINAK CONTROL BOX 1 37 MFG-9-23300 LINAK CONTROL BOX 1 38 MFG-9-32300 LINAK CONTROL BOX 1 39 MFG-9-32300 LINAK CONTROL BOX 1 30 MFG-9-23200 JINAK BATTERY 1 31 MFG-9-225007 MAST/SCALE HANDSWITCH 1 31 MFG-9-225007 MAST/SCALE HANDSWITCH 1 32 MFG-9-23200 LINAK BATTERY 1 33 MFG-9-23200 LINAK SONTROL BOX 1 34 MFG-9-32300 LINAK SONTROL BOX 1 35 MFG-9-32300 LINAK SONTROL BOX 1 36 MFG-9-32300 LINAK SONTROL BOX 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-225007 MAST/SCALE METER(SS) 1 39 MFG-9-225007 MAST/SCALE METER(SS) 1 40 MFG-9-225007 AMNUT 1/2-20 N.F 2 41 MFG-9-225007 ANNU-L 2 PURPLE 1 42 MFG-9-23000 LINAK SONTROL BOX 1 43 MFG-9-23000 LINAK SONTROL BOX 1 44 MFG-9-225000 JINAK SONTROL BOX 1 45 MFG-9-225000 JINAK SONTROL SON 1 46 MFG-7-242007 MAST/SCALE METER(SS) 1 47 MFG-9-230100 LINAK SONTROL BOX 1 48 MFG-9-230100 LINAK SONTROL BOX 1 49 MFG-9-2250200 JINAK SONTROL SON 1 40 MFG-9-2250200 JINAK SONTROL SON 1 41 MFG-9-2250200 ARWU-L 2 PURPLE 1 42 MFG-9-2250200 ARWU-L 2 PURPLE 1 43				
10				
11				
12 MFG-7-542670 BASE II/SCALE PURPLE 1 13 MFG-9-238122 3/8-16 X 1 1/4 HH-G5 3 14 MFG-9-23807 3/8' SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-6-582600 TIE ROD 2 1 17 MFG-6-582600 TIE ROD 2 1 18 MFG-6-542770 INDEX GUIDE BOLT 1 18 MFG-6-542711 JORS THRUST BEARING 1 19 MFG-6-542211 JORS THRUST BEARING 1 20 MFG-6-542211 JORS THRUST BEARING 1 21 MFG-6-542212 JORS THRUST BEARING 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD 2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 27 MFG-6-573290 SHIFT BAR-2 (29') 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8' END CAP-RUBBER 1 30 MFG-9-238144 3/8-16X.1 5 HH GR5 Z 1 31 MFG-9-295012 WASHER JOZONYLON 4 32 MFG-9-263820 3/8-16 NYLON LOKNUT 2 33 MFG-9-233100 LINAK CONTROL BOX 1 34 MFG-9-2332100 LINAK CONTROL BOX 1 35 MFG-9-233301 LINAK CONTROL BOX 1 36 MFG-9-332300 LINAK CONTROL BOX 1 37 MFG-9-71007 MAST SCALE HADSWITCH 1 38 MFG-9-323301 LINAK CONTROL BOX 1 39 MFG-9-271040 10-24 X 3/8" 5 30 MFG-9-233010 LINAK CONTROL BOX 1 31 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 34 MFG-9-225005 JAM NUT 1/2-20 N.F 2 35 MFG-9-263820 3/8-16 NYLON LINAK BATTERY 1 36 MFG-9-23301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-71007 MAST SCALE METER(SS) 1 40 MFG-9-263815 3/8-16X1.5 BH SH-SS 2 41 MFG-9-26005 JAM NUT 1/2-20 N.F 2 42 MFG-9-26005 JAM NUT 1/2-20 N.F 2 43 MFG-9-26005 JAM NUT 1/2-20 N.F 2 44 MFG-9-26006 JAM NUT 1/2-20 N.F 2 45 MFG-9-26006 JAM NUT 1/2-20 N.F 2 45 MFG-9-26007 MAST V-L 2 WSCALE (PURPLE) 1 45 MFG-9-260120 HANGER BAR-2/COMP GREY 1 45 MFG-9-263110 LINAK BATTERY 1 45 MFG-9-263120 HANGER BAR-2/COMP GREY 1 45 MFG-9-231218 CABLE EXTENSION 1 56 MFG-9-331218 CABLE EXTENSION 1 57 MFG-9-31218 CABLE EXTENSION 1 57 MFG-9-321218 CABLE EXTENSION 1 58 MFG-9-225000 JAW WHITE PLASTIC NUT COVER 6	10			
13 MFG-9-238122 3/8-16 X 1 1/4 HH-G5 3 14 MFG-9-293807 3/8" SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-9-583600 TIE ROD END 4 17 MFG-6-542575 INDEX GUIDE BOLT 1 18 MFG-6-542575 INDEX GUIDE BOLT 1 19 MFG-6-542271 INDEX GUIDE BOLT 1 19 MFG-6-542271 INDEX GUIDE BOLT 1 19 MFG-6-542211 078 THRUST BEARING 1 20 MFG-6-542211 078 THRUST BEARING 1 21 MFG-5-704000 1" GREEN SPRING/DANLY 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-9-250045 1/2-13 X 4 1/2 HH 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-1 CELL MOUNT (PURPLE) 1 26 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 27 MFG-6-571017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 30 MFG-9-295012 WASHER. 020/NYLON 4 31 MFG-9-295012 WASHER. 020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-233100 LINAK CONTROL BOX 1 34 MFG-9-332100 LINAK CONTROL BOX 1 35 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK BATTERY 1 37 MFG-9-67100 MAST/SCALE HANDSWITCH 1 38 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-67100 ASST V-L 2 W/SCALE (PURPLE) 1 42 MFG-9-627100 BRONZE BUSHING 3/4" 2 43 MFG-9-627100 BRONZE BUSHING 3/4" 2 44 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 45 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 46 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 47 MFG-9-67100 HANST V-L 2 W/SCALE (PURPLE) 1 42 MFG-9-624110 BRONZE BUSHING 3/4" 2 43 MFG-9-255880 1/4-28-1 1/4 BH SH-SS 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-21022 HANGER BAR 2/COMP GREY 1 45 MFG-9-321218 CABLE EXTENSION 1 56 MFG-9-321218 CABLE EXTENSION 1 57 MFG-9-321218 CABLE EXTENSION 1 56 MFG-9-321218 CABLE EXTENSION 1 57 MFG-9-22500 3/4 WHITE PLASTIC NUT COVER 6		MFG-9-265008		
14 MFG-9-293807 3/8" SPLIT LOCK WASH 7 15 MFG-9-583600 TIE ROD END 4 16 MFG-6-582600 TIE ROD END 4 17 MFG-6-582575 INDEX GUIDE BOLT 1 18 MFG-6-542770 INDEX GRILL 1 19 MFG-6-542711 INDEX GRILL 1 20 MFG-6-542212 060 RACE 2 21 MFG-6-542211 078 THRUST BEARING 1 20 MFG-6-542211 078 THRUST BEARING 1 21 MFG-6-542211 078 THRUST BEARING 1 20 MFG-6-542210 060 RACE 2 21 MFG-6-520001 1"GREEN SPRING/DANLY 1 22 MFG-9-2530045 1/2-13 X 4 1/2 HH 1 23 MFG-9-263820 3/8-24 N.F. NUT-ZN 8 25 MFG-9-263820 3/8-24 N.F. NUT-ZN 8 25 MFG-9-248200 V-2. V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-9-233100 V-1 LY-1 CHRUST (PURPLE	12	MFG-7-542670		
15	13	MFG-9-238122	3/8-16 X 1 1/4 HH-G5	3
Tile Rod-2	14	MFG-9-293807	3/8" SPLIT LOCK WASH	7
17 MFG-6-542575 INDEX GUIDE BOLT 1 18 MFG-6-542770 INDEX ARM-2/SCALE 1 19 MFG-6-542211 .078 THRUST BEARING 1 20 MFG-6-542212 .060 RACE 2 21 MFG-9-250045 1/2-13 X 4 1/2 HH 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582201 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 27 MFG-6-573290 SHIFT BAR-2 (29") 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238164 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238164 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238100 ACTUATOR SPACER 2 33 MFG-9-332100 LINAK CONTROL BOX 1 34 MFG-9-332100 LINAK CONTROL BOX 1 35 MFG-9-323200 LINAK CONTROL BOX 1 36 MFG-9-323301 LINAK CONTROL BOX 1 37 MFG-9-323301 LINAK CONTROL BOX 1 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-25880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-250505 1/2-20-2 1/2 HH GR 5 2 43 MFG-9-266005 JAM NUT 1/2-20 N.F 2 44 MFG-9-266005 JAM NUT 1/2-20 N.F 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46 MFG-9-268100 1/2-20-2 1/2 HH GR 5 2 47 MFG-9-265005 1/2-20-2 1/2 HH GR 5 2 48 MFG-9-266005 JAM NUT 1/2-20 N.F 2 49 MFG-9-266005 JAM NUT 1/2-20 N.F 2 40 MFG-9-266005 JAM NUT 1/2-20 N.F 2 41 MFG-9-266005 JAM NUT 1/2-20 N.F 2 42 MFG-9-268102 HANGER BAR-2/COMP GREY 1 43 MFG-9-268102 HANGER BAR-2/COMP GREY 1 44 MFG-9-268104 PLASTIC CAP (GREY) 1 55 MFG-9-261100 HANGER BAR-2/COMP GREY 1 56 MFG-9-321204 V-L-2/S CONTROL SHIM 1 56 MFG-9-323200 CHARGING CABLE 1 57 MFG-9-225020 CHARGING CABLE 1 58 MFG-9-225020 CHARGING CABLE 1 58 MFG-9-225020 CHARGING CABLE 1 59 MFG-9-225020 CHARGING CABLE 1 50 MFG-9-225020 CHARGING CABLE 1 51 MFG-9-225020 CHARGING CABLE 1 51 MFG-9-225020 CHARGIN	15	MFG-9-583600	TIE ROD END	4
18	16	MFG-6-582600	TIE ROD-2	1
19 MFG-6-542211 078 THRUST BEARING 1 20 MFG-6-542212 .060 RACE 2 21 MFG-5-704000 1" GREEN SPRING/DANLY 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 27 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-3323100 LINAK CONTROL BOX 1 35 MFG-9-233100 LINAK CONTROL BOX 1 36 MFG-9-323300 LINAK SATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323300 LINAK SATTERY 1 39 MFG-9-252880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-252880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-252880 1/4-28-1 1/4 BH SH-SS 2 42 MFG-9-65005 JAM NUT 1/2-20 N.F 2 43 MFG-9-26005 JAM NUT 1/2-20 N.F 2 43 MFG-9-26005 JAM NUT 1/2-20 N.F 2 44 MFG-9-26005 JAM NUT 1/2-20 N.F 2 45 MFG-9-26005 JAM NUT 1/2-20 N.F 2 46 MFG-9-26005 JAM NUT 1/2-20 N.F 2 47 MFG-9-624110 BRONZE BUSHING 3/4" 2 48 MFG-9-263120 BRONZE BUSHING 3/4" 2 49 MFG-9-10220 ARMV-L 2 PURPLE 1 51 MFG-9-10220 ARMV-L 2 PURPLE 1 51 MFG-9-10220 HANGER BAR-2/COMP GREY 1 52 MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6	17	MFG-6-542575	INDEX GUIDE BOLT	1
20 MFG-6-542212 .060 RACE 2 21 MFG-5-704000 1" GREEN SPRING/DANLY 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 27 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238104 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323200 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323200 LINAK SINGLE HANDSWITCH 1 39 MFG-9-25880 1/4-28-11/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-11/4 BH SH-SS 2 41 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 43 MFG-9-263050 JAM NUT 1/2-20 N.F 2 44 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46 MFG-9-268152 AND NUT 1/2-20 RIF 2 47 MFG-9-641110 BRONZE BUSHING 3/4" 2 48 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 49 MFG-9-268152 AND NUT 1/2-20 RIF 2 40 MFG-9-268152 AND NUT 1/2-20 RIF 2 41 MFG-9-268152 AND NUT 1/2-20 RIF 2 42 MFG-9-268152 AND NUT 1/2-20 RIF 2 43 MFG-9-268152 AND NUT 1/2-20 RIF 2 44 MFG-9-268152 AND NUT 1/2-20 RIF 2 45 MFG-9-268152 AND NUT 1/2-20 RIF 2 45 MFG-9-268152 AND NUT 1/2-20 RIF 2 46 MFG-9-268152 AND NUT 1/2-20 RIF 2 47 MFG-9-268152 AND NUT 1/2-20 RIF 2 48 MFG-9-268152 AND NUT 1/2-20 RIF 2 49 MFG-9-268152 AND NUT 1/2-20 RIF 2 40 MFG-9-268152 AND NUT 1/2-20 RIF 2 41 MFG-9-268152 AND NUT 1/2-20 RIF 2 42 MFG-9-268152 AND NUT 1/2-20 RIF 2 43 MFG-9-268152 AND NUT 1/2-20 RIF 2 44 MFG-9-268152 AND NUT 1/2-20 RIF 2 45 MFG-9-268152 AND NUT 1/2-20 RIF 2 46 MFG-9-268152 AND NUT 1/2-20 RIF 2 47 MFG-9-268152 AND NUT 1/2-20 RIF 2 48 MFG	18	MFG-6-542770	INDEX ARM-2/SCALE	1
21 MFG-5-704000 1" GREEN SPRING/DANLY 1 22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 26 MFG-6-771017 MAST/SCALE LOAD CELL 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-925012 WASHER 020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK BATTERY 1 35	19	MFG-6-542211	.078 THRUST BEARING	1
22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 26 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-233154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238320 WASHER .020/NYLON 4 32 MFG-9-671000 ACTUATOR SPACER 2 33 MFG-9-823300 LINAK SHOTERY 1 35 MFG-9-323200 LINAK SHOTERY 1 36 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 <t< td=""><td>20</td><td>MFG-6-542212</td><td>.060 RACE</td><td>2</td></t<>	20	MFG-6-542212	.060 RACE	2
22 MFG-9-250045 1/2-13 X 4 1/2 HH 1 23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 26 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-233154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-238320 WASHER .020/NYLON 4 32 MFG-9-671000 ACTUATOR SPACER 2 33 MFG-9-823300 LINAK SHOTERY 1 35 MFG-9-323200 LINAK SHOTERY 1 36 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 <t< td=""><td></td><td></td><td>1" GREEN SPRING/DANLY</td><td></td></t<>			1" GREEN SPRING/DANLY	
23 MFG-6-582601 TIE ROD-2 LEFT/BEND 1 24 MFG-9-263824 3/8-24 N.F. NUT-ZN 8 25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 1 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 26 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-6771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-633820 7/8" END CAP-RUBBER 1 31 MFG-9-9633824 3/8-16 N.T. SH GR5 Z 1 31 MFG-9-25012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-2323100 LINAK CONTROL BOX 1 35 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 36 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 <t< td=""><td></td><td></td><td></td><td></td></t<>				
25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 26 MFG-6-773290 SHIFT BAR-2 (29") 27 MFG-6-771017 MAST/SCALE LOAD CELL 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 9 MFG-9-238154 3/8-16 X 1 FH GR5 Z 30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 35 MFG-9-271040 10-24 X 3/8" 56 MFG-9-323200 LINAK BATTERY 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 39 MFG-7-242067 MAST/SCALE METER(SS) 40 MFG-9-25880 1/4-28-1 1/4 BH SH-SS 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 42 MFG-9-624110 BRONZE BUSHING 3/4" 2 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 MFG-7-242020 ARM/V-L 2 PURPLE 1 MFG-7-242020 ARM/V-L 2 PURPLE 1 MFG-7-242020 HANGER BAR-2/COMP GREY 1 MFG-9-321218 CABLE EXTENSION 1 MFG-9-321218 CABLE EXTENSION 1 MFG-9-323500 CHARGING CABLE 1 MFG-9-323500 CHARGING CABLE 1 MFG-9-325020 JAW WHITE PLASTIC NUT COVER	23	MFG-6-582601	TIE ROD-2 LEFT/BEND	1
25 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 26 MFG-6-773290 SHIFT BAR-2 (29") 27 MFG-6-771017 MAST/SCALE LOAD CELL 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 9 MFG-9-238154 3/8-16 X 1 FH GR5 Z 30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 35 MFG-9-271040 10-24 X 3/8" 56 MFG-9-323200 LINAK BATTERY 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 39 MFG-7-242067 MAST/SCALE METER(SS) 40 MFG-9-25880 1/4-28-1 1/4 BH SH-SS 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 42 MFG-9-624110 BRONZE BUSHING 3/4" 2 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 MFG-7-242020 ARM/V-L 2 PURPLE 1 MFG-7-242020 ARM/V-L 2 PURPLE 1 MFG-7-242020 HANGER BAR-2/COMP GREY 1 MFG-9-321218 CABLE EXTENSION 1 MFG-9-321218 CABLE EXTENSION 1 MFG-9-323500 CHARGING CABLE 1 MFG-9-323500 CHARGING CABLE 1 MFG-9-325020 JAW WHITE PLASTIC NUT COVER				8
26 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 1 26 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238154 3/8-16 X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-323000 LINAK BATTERY 1 36 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-525080 1/4-28-1 1/4 BH SH-SS 2 41 <td></td> <td></td> <td></td> <td></td>				
26 MFG-6-573290 SHIFT BAR-2 (29") 1 27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238154 3/8-16 X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-267100 ACTUATOR SPACER 2 33 MFG-9-677100 ACTUATOR SPACER 2 34 MFG-9-233100 LINAK CONTROL BOX 1 35 MFG-9-323200 LINAK BATTERY 5 36 MFG-9-323300 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225080 JAM NUT 1/2-20 N.F 2 42 MFG-9-225025				
27 MFG-6-771017 MAST/SCALE LOAD CELL 1 28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-323100 LINAK CONTROL BOX 1 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225805 JAM NUT 1/2-20 N.F 2 42 MFG-9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-265005 JAM NUT 1/2-20 N.F 2 44 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 45 MFG-9-26				
28 MFG-9-238107 3/8-16 X 1 FH SH(SS) 2 29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-633820 7/8" END CAP-RUBBER 1 31 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-267100 ACTUATOR SPACER 2 33 MFG-9-67100 ACTUATOR SPACER 2 34 MFG-9-2323100 LINAK CONTROL BOX 1 35 MFG-9-323100 LINAK CONTROL BOX 1 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-71050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-7242067 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-250250 1/2-20 N.F 2 42 MFG-9-250250 <td></td> <td></td> <td>` ,</td> <td></td>			` ,	
29 MFG-9-633820 7/8" END CAP-RUBBER 1 30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-2271040 10-24 X 3/8" 5 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-871050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-6771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-250250 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG-9-265005 JAM NUT 1/2-20 N.F 2 43 <				
30 MFG-9-238154 3/8-16X1.5 HH GR5 Z 1 31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-91022 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-9-321218 CABLE EXTENSION 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6			` '	
31 MFG-9-295012 WASHER .020/NYLON 4 32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 39 MFG-9-9323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-323300 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-2250050 JAM NUT 1/2-20 N.F 2 42 MFG-9-250050 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020				
32 MFG-9-677100 ACTUATOR SPACER 2 33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-9-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-250050 JAM NUT 1/2-20 N.F 2 42 MFG9-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-4-910120 HANGER BAR-2/COMP GREY 1 55* MFG-9-321204 <t< td=""><td></td><td></td><td></td><td></td></t<>				
33 MFG-9-263820 3/8-16 NYLON LOCKNUT 2 34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
34 MFG-9-323100 LINAK CONTROL BOX 1 35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225005 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321218				
35 MFG-9-271040 10-24 X 3/8" 5 36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-250050 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG-9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-264110 BRONZE BUSHING 3/4" 2 45 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-628152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321218				
36 MFG-9-323200 LINAK BATTERY 1 37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020				
37 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 2 38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-9-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-9-321204 V-L-2/S CONTROL SHIM 1 55* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-2250				
38 MFG-9-323301 LINAK SINGLE HANDSWITCH 1 39 MFG-6-771007 MAST/SCALE METER(SS) 1 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
39 MFG-6-771007 MAST/SCALE METER(SS) 40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 51 MFG-4-510248 PLASTIC CAP (GREY) 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
40 MFG-9-225880 1/4-28-1 1/4 BH SH-SS 2 41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
41 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 1 42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6			,	
42 MFG9-265005 JAM NUT 1/2-20 N.F 2 43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
43 MFG-9-250250 1/2-20-2 1/2 HH GR 5 2 44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6			· · ·	
44 MFG-9-624110 BRONZE BUSHING 3/4" 2 45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
45 MFG-9-268152 3/8-16X1.5 BH SH(SS) 1 46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
46MFG-7-242020 ARM/V-L 2 PURPLE 1 51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
51 MFG-4-510248 PLASTIC CAP (GREY) 1 52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6	_		,	
52 MFG-7-910222 HANGER BAR-2/COMP GREY 1 53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
53 MFG-4-910120 HANGER ROD COMPLETE 2 54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6			,	
54 MFG-4-611100 LINAK ACTUATOR 1 55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
55* MFG-9-321204 V-L-2/S CONTROL SHIM 1 56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
56* MFG-9-321218 CABLE EXTENSION 1 57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
57* MFG-9-323500 CHARGING CABLE 1 * MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
* MFG-9-225020 3/4 WHITE PLASTIC NUT COVER 6				
	5/*			
* NOT PICTURED	*	MFG-9-225020	3/4 WHITE PLASTIC NUT COVER	б
* NOT PICTURED				
	*	NOT PICTURED		

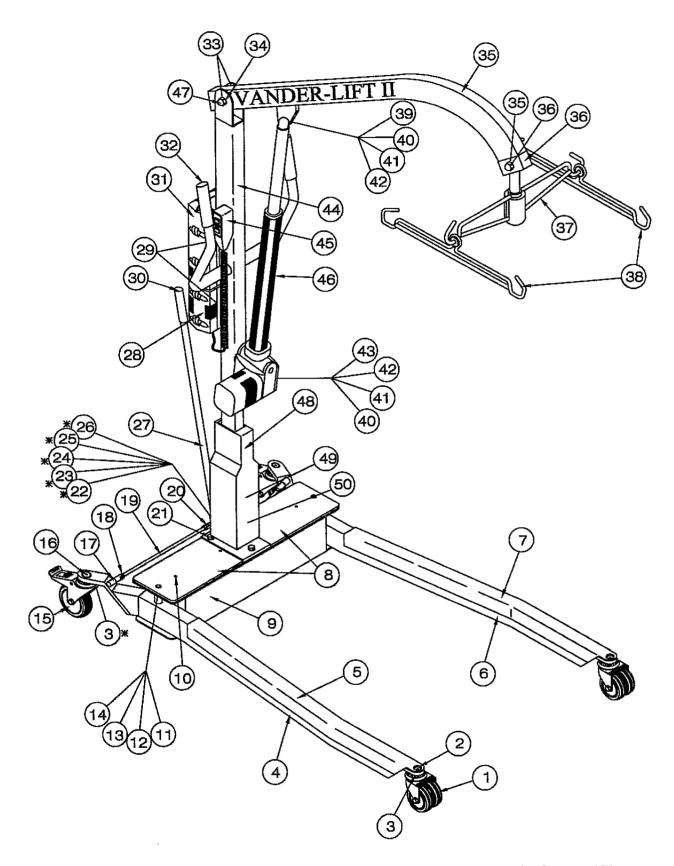


VANDER LIFT II 600

VANDER-LIFT II B600 (PURPLE) 4-L-2600

		IFT II B600 (PURPLE) 4-L-2600	
REF#	PART#	DESCRIPTION	QTY
1	MFG-9-523190	CASTER 3" NON-LOCK	2
2	MFG-9-238120	3/8-16X1.25 FH-SH/SS	2
3	MFG-9-263820	3/8-16 NYLON LOCKNUT	4
4	MFG-7-600002	SERIES II 600 LEG RIGHT PURPLE	1
5	MFG-4-900617	600 LEG PROTECTOR CLEAR RIGHT	1
6	MFG-7-600001	SERIES II 600 LEG LEFT PURPLE	1
7	MFG-4-900616	600 LEG PROTECTOR - CLEAR LEFT	1
*	MFG-9-270670	#6-32-1/2 SCREW FHPH	4
8	MFG-6-000522	PLASTIC LIDS	2
9	MFG-7-600004	SERIES II 600 BASE BOX PURPLE	1
9*	MFG-9-271075	#10-24 X 3/4 MS	1
9*	MFG-9-620500	1/2" LOCKING HOLE PLUG	1
9*	MFG-9-620875	7/8" LOCKING HOLE PLUG	1
10	MFG-9-225750	1/4-20 X 3/4 FH PH	4
11	MFG-9-250050	1/2-13 X 5 1/4 HH G5-LEG	2
12	MFG-9-295040	WASHER .040/SS	2
13	MFG-9-295062	WASHER .062/SS	3
14	MFG-9-265008	1/2-13 NYLON INSERT JAM NUT	2
15	MFG-9-523120	CASTER 4" LOCKING	2
16	MFG-9-238153	3/8-16X 1.5 FH SH/SS	2
17	MFG-6-583650	CUT TIE ROD ENDS	2
18	MFG-9-263824	3/8-24 N.F. NUT-ZN	6
19	MFG-4-900605	600 TIE ROD-CHROMED	2
20	MFG-9-583600	TIE ROD END	2
21	MFG-9-238100	3/8-16 X 1 GR 5 B0LT	3
21*		3/8" SPLIT LOCK WASH	
	MFG-9-293807		5
22	MFG-5-704000	1" GREEN SPRING/DANLY	1
23	MFG-6-542211	.078 THRUST BEARING	1
24	MFG-6-542212	.060 RACE	2
25	MFG-6-000350	INDEX ARM	1
26	MFG-6-542575	INDEX GUIDE BOLT	1
27	MFG-6-573290	SHIFT BAR-2 (29")	1
28	MFG-9-323100	LINAK CONTROL BOX	1
29	MFG-9-271052	1/4-28-1/2 BH SH-SS	3
30	MFG-9-633820	7/8" END CAP-RUBBER	1
31	MFG-9-323200	LINAK BATTERY	1
32	MFG-9-671050		2
33	MFG-9-624110	BRONZE BUSHING 3/4"	2
34	MFG-9-265005	JAM NUT 1/2-20 N.F	2
35	MFG-7-242020	ARM/V-L 2 PURPLE	1
36	MFG-4-510248	PLASTIC CAP (GREY)	1
37	MFG-7-910222	HANGER BAR-2/COMP GREY	1
38	MFG-4-910120	HANGER ROD COMPLETE	2
39	MFG-9-268152	3/8-16X1.5 BH SH(SS)	1
40	MFG-9-295012	WASHER .020/NYLON	4
41	MFG-9-677100	ACTUATOR SPACER	2
42	MFG-9-263820	3/8-16 NYLON LOCKNUT	2
43	MFG-9-238154	3/8-16X1.5 HH GR5 Z	1
44	MFG-9-323301	LINAK SINGLE HANDSWITCH	1
45	MFG-4-611100	LINAK ACTUATOR	1
46	MFG-9-250250	1/2-20-2 1/2 HH GR 5	2
47	MFG-7-242060	MAST V-L 2 PURPLE	<u></u>
*	MFG-5-738630	1 1/2" SPACER-ACETAL	1
*	MFG-9-250047	1/2-13 X 4 SH CS -SS	1
*	MFG-9-265010	1/2-13 HEX NUT -ZN	2
*	MFG-9-321218	CABLE EXTENSION	1
	WII O-3-32 12 10		
*	MEG-0-323500	CHARGING CARLE	1
	MFG-9-323500 MFG-9-225020	CHARGING CABLE 3/4 WHITE PLASTIC NUT COVER	<u>1</u>

NOT PICTURED



VANDER LIFT II 600 W / BUILT IN SCALE

VANDER-LIFT II BS600 W/SCALE (PURPLE) 4-L-2607

MFG-9-23190		BS600 W/SCALE (PURPLE) 4-L		
2 MFG-9-238120 3/8-16X1.25 FH-SH/SS 3 MFG-9-263820 3/8-16 NYLON LOCKNUT 4 MFG-7-600001 SERIES II 600 LEG LEFT PURPLE 5 MFG-4-900616 600 LEG PROTECTOR - CLEAR LEFT 6 MFG-7-600002 5ERIES II 600 LEG RIGHT PURPLE 7 MFG-4-900617 600 LEG PROTECTOR - CLEAR LEFT 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225050 1/2-13 X 5 1/4 HH G5-LEG 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 13 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-238120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD END 20 MFG-9-583600 1" GREEN SPRING/DANLY 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 0.08 RACE 24 MFG-9-250017 1/2-13 X 4 S H CS -SS 26 MFG-9-250017 1/2-13 X 4 S H CS -SS 26 MFG-9-250017 1/2-13 X 4 S H CS -SS 26 MFG-9-250017 1/2-13 X 4 S H CS -SS 26 MFG-9-250107 1/2-13 X 4 S H CS -SS 27 MFG-6-572290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK CONTROL BOX 31 MFG-9-265010 1/4-28 X 1 1/4 30 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 31 MFG-9-268005 JAM NUT 1/2-20 N.F. 34 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268010 3/8-16X1.5 BH SH(SS) 40 MFG-9-250050 JAM NUT 1/2-20 N.F. 41 MFG-9-250050 JAM NUT 1/2-20 N.F. 42 MFG-9-250050 JAM NUT 1/2-20 N.F. 43 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-250050 JAM NUT 1/2-20 N.F. 41 MFG-9-250050 JAM NUT 1/2-20 N.F. 42 MFG-7-242007 MASTER. 020/NYLON 42 MFG-9-250050 JAM NUT 1/2-20 N.F. 43 MFG-9-250100 LINAK SINGLE HANDSWITCH 44 MFG-9-250301 LINAK SINGLE HANDSWITCH 45 MFG-9-250201 1/2-20X2 1/2 HH GR 5 46 MFG-9-250201 1/2-20X2 1/2 HH GR 5 47 MFG-9-250201 1/2-20X2 1/2 HH GR 5 48 MFG-9-250200 1	QTY	DESCRIPTION	PART#	REF#
3 MFG-9-263820 3/8-16 NYLON LOCKNUT 4 MFG-7-600001 SERIES II 600 LEG LEFT PURPLE 5 MFG-4-900616 600 LEG PROTECTOR - CLEAR LEFT 6 MFG-4-900617 600 LEG PROTECTOR - CLEAR LEFT 7 MFG-4-900617 600 LEG PROTECTOR - CLEAR LEFT 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 LEG RIGHT PURPLE 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-2250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-2250060 WASHER .040/SS 13 MFG-9-225002 WASHER .062/SS 14 MFG-9-225002 WASHER .062/SS 14 MFG-9-223103 3/8-16X 1.5 FH SH/SS 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-523120 CASTER 4" LOCKING 17 MFG-6-5833650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD ENDS 18 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 20 MFG-9-833800 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-9-250047 1/2-13 X 4 SH CS - SS 26 MFG-9-250047 1/2-13 THEX NUT - ZN 27 MFG-6-542210 .1060 RACE 28 MFG-9-250047 1/2-13 THEX NUT - ZN 29 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK CONTROL BOX 30 MFG-9-833820 LINAK CONTROL BOX 31 MFG-9-642110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAN DUT 1/2-20 N.F. 35 MFG-9-271052 JAN DUT 1/2-20 N.F. 36 MFG-9-265015 JAN DUT 1/2-20 N.F. 37 MFG-9-71052 WASHER .020/NYLON 38 MFG-9-268152 3/8-16 NYLON LOCKNUT 39 MFG-9-268152 3/8-16 NYLON LOCKNUT 40 MFG-9-233100 LINAK BATTERY 40 MFG-9-268152 3/8-16 NYLON LOCKNUT 41 MFG-9-233101 LINAK SINGLE HANDSWITCH 41 MFG-9-233101 LINAK SINGLE HANDSWITCH 42 MFG-9-250200 1/2-1/2 CALE CELL HOUSING PURPLE 43 MFG-7-242007 V-L2/SCALE (PURPLE) 44 MFG-7-242047 V-L2/SCALE ELL HOUSING PURPLE 45 MFG-9-233100 LINAK BATTERY 46 MFG-9-233100 LINAK BATTERY 47 MFG-9-250200 1/2-1/2 COKKING HOLE PLUG 48 MFG-9-23000 1/2-1/2 COKKING HOLE PLUG 49 MFG-7-242047 V-L2/SCALE MASTY CALE LINGUNT (PURPLE) 49 MFG-7-242047 V-L2/SCALE MASTY CALE LINGUNT (PURPLE) 40 MFG-9-230200 1/2-1/2 COKKING HOLE PLUG 40 MFG-9-202070 1/2-1/2 CO	2			
4 MFG-7-600001 SERIES II 600 LEG LEFT PURPLE 5 MFG-4-900616 GO LEG PROTECTOR - CLEAR LEFT 6 MFG-4-900617 600 LEG PROTECTOR - CLEAR LEFT 7 MFG-4-900617 600 LEG PROTECTOR CLEAR RIGHT 8 MFG-6-000522 PLASTIC LIDS 9 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225050 1/4-20 X 3/4 FH PH 11 MFG-9-2250500 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-225050 WASHER .040/SS 13 MFG-9-295040 WASHER .040/SS 14 MFG-9-295040 WASHER .062/SS 15 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-833650 CUT TIE ROD ENDS 18 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-833650 CUT TIE ROD ENDS 18 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 20 MFG-9-838000 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250100 1/1 GREEN SPRING/DANLY 27 MFG-6-532300 VASHER .040/SS 28 MFG-9-250100 1/2-13 HEX NUT -ZN 29 MFG-9-23100 VASHER .040/SS 31 MFG-9-233100 LINAK CONTROL BOX 32 MFG-9-332100 LINAK CONTROL BOX 33 MFG-9-633820 VASHER .040/SS 34 MFG-9-624110 BRONZE BUSHING 3/4 35 MFG-9-624110 SPRING BEAR PLUG 36 MFG-9-265050 1-1/4" ROUND RIBBED PLUG 37 MFG-9-624110 BRONZE BUSHING 3/4 38 MFG-9-624110 BRONZE BUSHING 3/4 39 MFG-9-624110 SPRING BEAR PLUG 30 MFG-9-624110 HANGER RAP-2/COMP GREY 31 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 41 MFG-9-2633200 LINAK BATTERY 42 MFG-9-263320 LINAK BATTERY 43 MFG-9-263120 LINAK BATTERY 44 MFG-9-263120 LINAK BATTERY 45 MFG-9-263120 LINAK BATTERY 46 MFG-9-263120 LINAK BATTERY 47 MFG-9-263120 LINAK BATTERY 48 MFG-7-242047 VALZ/SCALE (PURPLE) 49 MFG-7-542870 VDZ-Z LANGER BAR-2/COMP GREY 41 MFG-9-263152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263152 3/8-16X1.5 BH SH(SS) 41 MFG-9-263152 3/8-16X1.5 BH SH(SS) 42 MFG-9-233103 LINAK SINGLE HANDSWITCH 43 MFG-9-263152 3/8-16X1.5 BH GR 5 44 MFG-7-242047 VALZ/SCALE (PURPLE) 45 MFG-9-233100 LINAK ACTUATOR 46 MFG-9-263820 3/9-16 NYLON LOCKNUT 47 MFG-9-233101 LINAK CONTROL DELL 48 MFG-9-242067 MAST VALZ WIS	2			
5 MFG-4-900616 600 LEG PROTECTOR - CLEAR LEFT 6 MFG-7-600002 SERIES II 800 LEG RIGHT PURPLE 7 MFG-9-000617 600 LEG PROTECTOR CLEAR RIGHT 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-250505 114-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-250060 WASHER 040/SS 13 MFG-9-250008 WASHER 040/SS 14 MFG-9-263008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-263120 CASTER 4" LOCKING 16 MFG-9-263185 3/8-16 X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-9-583600 TIE ROD END 21 MFG-9-583600 TIE ROD END 21 MFG-9-532100 1/2 GREEN SPRING/DANLY 23 MFG-9-533100 1/3/8-16 X 1 GR 5 BOLT 24 MFG-9-233100 1/2-13 X 4 SH CS-SS	4			
6 MFG-7-600002 SERIES II 600 LEG RIGHT PURPLE 7 MFG-4-900617 600 LEG PROTECTOR CLEAR RIGHT 8 MFG-9-270670 #6-32-1/2 SCREW FHPH 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295062 WASHER .062/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-2505008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-53120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16 X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 10 MFG-9-238100 3/8-16 X 1 GF 5 BOLT 12 MFG-9-538100 3/8-16 X 1 GF 5 BOLT 12 MFG-9-542211 .078 THRUST BEARING 14 MFG-9-250047 1/2-13 X 4 SH CS -SS 14 MFG-9-250047 1/2-13 X 4 SH CS -SS 15 MFG-9-323100 LINAK CONTROL BOX 16 MFG-9-323200 LINAK CONTROL BOX 17 MFG-9-332200 LINAK CONTROL BOX 18 MFG-9-323200 LINAK CONTROL BOX 19 MFG-9-323200 LINAK BATTERY 10 MFG-9-323200 LINAK BATTERY 10 MFG-9-624110 BRONZE BUSHING 3/4 14 MFG-9-250505 JAM NUT 1/2-20 N.F. 15 MFG-9-250501 VASHER BOX PURPLE 16 MFG-9-250501 JAM NUT 1/2-20 N.F. 17 MFG-9-233210 LINAK BATTERY 18 MFG-9-250505 JAM NUT 1/2-20 N.F. 18 MFG-9-250501 LINAK BATTERY 18 MFG-9-250501 JAM NUT 1/2-20 N.F. 18 MFG-9-250502 WASHER .020NYLON 19 MFG-9-233101 LINAK BATTERY 19 MFG-9-233101 LINAK BATTERY 10 MFG-9-250501 JAM NUT 1/2-20 N.F. 10 MFG-9-250501 JAM NUT 1/2-20 N.F. 10 MFG-9-250501 JAM NUT 1/2-20 N.F. 11 MFG-9-23310 LINAK BATTERY 11 MFG-9-23310 LINAK BATTERY 12 MFG-9-250501 JAM NUT 1/2-20 N.F. 13 MFG-9-250501 JAM NUT 1/2-20 N.F. 14 MFG-9-23310 LINAK BATTERY 15 MFG-9-23310 LINAK BATTERY 16 MFG-9-250501 JAM NUT 1/2-20 N.F. 17 MFG-6-54251 LINAK BATTERY 18 MFG-9-265005 JAM NUT 1/2-20 N.F. 18 MFG-9-23310 LINAK BATTERY 19 MFG-9-23310 LINAK BATTERY 10 MFG-9-23310 LINAK BATTERY 11 MFG-9-23310 LINAK BATTERY 11 MFG-9-23310 LINAK BATTERY 11 MFG-9-23310 LINAK BATTERY 11 MFG-9-23310 LINAK BATTERY 12 MFG-9-23301 LINAK BATTERY 13 MFG-9-23310 LINAK BATTERY 14 MFG-9-23310 LINAK BATTERY 15 MFG-9-23310 LINAK BATTERY 16 MFG-9-23310 LINAK BATT	1			
7 MFG-4-900617 600 LEG PROTECTOR CLEAR RIGHT * MFG-9-270670 #6-32-1/2 SCREW FHPH 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-250000 WASHER .040/SS 13 MFG-9-295002 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-9-283100 3/8-16 X 1 GR 5 BOLT 22 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 23 MFG-6-542271 J.078 THRUST BEARING 24 MFG-6-542271 J.078 THRUST BEARING 25 MFG-9-265004 1/2-13 HEX NUT -ZN 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-233100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK CONTROL BOX 30 MFG-9-323100 LINAK CONTROL BOX 31 MFG-9-323200 LINAK CONTROL BOX 32 MFG-9-250047 1/2-13 K S HIFT BAR-2 (29") 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265015 1/4-28 X 1 1/4 30 MFG-9-2671052 1/4-28 X 1 1/4 30 MFG-9-624110 BRONZE BUSHING 3/4 31 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-7-242020 ARM/V-L 2 PURPLE 37 MFG-6-73280 SHIFT BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16A1.5 BH SH(S) 40 MFG-9-263021 WASHER .020/NYLON 41 MFG-9-263020 MAST V-L 2 W/SCALE (PURPLE) 42 MFG-9-233101 LINAK SINGLE HANDSWITCH 43 MFG-9-263020 1/2-20X2 1/2 HH GR 5 44 MFG-9-263020 1/2-20X2 1/2 HH GR 5 45 MFG-9-233010 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 49 MFG-9-2638154 3/8-16X1.5 BH SH(S) 40 MFG-9-2638010 1/2-10 NAST/SCALE CELL HOUSING PURPLE 40 MFG-9-263030 1/2-10 CK/WASH 41 MFG-9-263030 1/2-10 CK/WASH 42 MFG-9-233010 LINAK ACTUATOR 47 MFG-9-233010 LINAK ACTUATOR 48 MFG-9-260500 1/2-20X2 1/2 HH GR 5 48 MFG-7-242067 MAST/SCALE CELL HOUSING PURPLE 49 MFG-7-242067 MAST/SCALE LOAD CELL 50 MFG-9-323301 CHARGING CABLE 51 MFG-9-323300 CHARGING CABLE 52 MFG-9-323300 CHARGING CABLE 53 MFG-9-620875 7/8"	1		MFG-4-900616	5
* MFG-9-270670 #6-32-1/2 SCREW FHPH 8 MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295062 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-523120 CASTER 4" LOCKING 17 MFG-9-533120 J8-16X 1.5 FH SH/SS 18 MFG-9-238153 3/8-16X 1.5 FH SH/SS 19 MFG-9-638650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-9-533600 TIE ROD-CHROMED 20 MFG-9-533600 TIE ROD-CHROMED 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542211 .078 THRUST BEARING 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-333100 LINAK CONTROL BOX 27 MFG-9-333200 LINAK CONTROL BOX 29 MFG-9-333200 LINAK CONTROL BOX 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 34 MFG-9-265015 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 37 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 38 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 39 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 40 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUG 43 MFG-9-263820 3/8-16 N.TLON DRIBBED PLUE 44 MFG-9-263820 1/2-20X2 1/2 HH GR 5 Z 45 MFG-9-263820 1/2-20X2 1/2 HH GR 5 Z 46 MFG-9-263820 1/2-20X2 1/2 HH GR 5 Z 47 MFG-9-263820 1/2-20X2 1/2 HH GR 5 Z 48 MFG-9-263820 1/2-20X2 1/2 HH GR 5 Z 49 MFG-7-542870 V-L-2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-L-2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-L-2/SCALE CELL HOUSING PURPLE 40 MFG-9-333301 LINAK SINGLE HANDSWITCH 41 MFG-9-333301 CINAK SINGLE HANDSWITCH 42 MFG-9-333301 CINAK SINGLE HANDSWITCH 43 MFG-9-333301 CINAK SINGLE HANDSWITCH 44 MFG-9-333301 CINAK SINGLE	1			
## MFG-6-000522 PLASTIC LIDS 9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295040 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-233120 CASTER 4" LOCKING 16 MFG-9-233153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-9-638320 3/8-16 X 1.5 FH SH/SS 17 MFG-6-583600 TIE ROD CHROMED 20 MFG-9-583600 TIE ROD CHROMED 21 MFG-9-538100 3/8-16 X 1 GR 5 BOLT 22 MFG-9-538100 3/8-16 X 1 GR 5 BOLT 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-9-250047 1/2-13 HEX NUT-ZN 26 MFG-9-250047 1/2-13 HEX NUT-ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-250047 1/2-13 HEX NUT-ZN 29 MFG-9-23100 LINAK CONTROL BOX 29 MFG-9-23100 LINAK BATTERY 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-265005 1/4-28 X 1 1/4 30 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-91022 HANGER BAR-2/COMP GREY 41 MFG-9-263815 3/8-16X 1.5 BH SH(SS) 40 MFG-9-263815 3/8-16X 1.5 BH SH(SS) 40 MFG-9-263815 3/8-16X 1.5 BH SH(SS) 41 MFG-9-233101 LINAK ASHER PAR-2/COMP GREY 42 MFG-6-5738630 1-1/2" SAHER PAR-2/COMP GREY 43 MFG-9-263815 3/8-16X 1.5 BH SH(SS) 44 MFG-9-263815 3/8-16X 1.5 BH SH(SS) 45 MFG-9-233151 LINAK SINGLE HANDSWITCH 46 MFG-9-233151 1/2-20X2 1/2 HH GR 5 47 MFG-9-233151 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-9-263803 1/2-20X2 1/2 HH GR 5 40 MFG-9-263803 1/2" SPACER-ACETAL 41 MFG-9-263803 1/2" SPACER-ACETAL 42 MFG-6-5748630 1-1/2" COKING HOLE PLUG 43 MFG-9-263000 1/2" LOCKING HOLE PLUG 44 MFG-9-263000 1/2" LOCKING HOLE PLUG 45 MFG-9-620875 7/8" LOCKING HOLE PLUG	1		MFG-4-900617	
9 MFG-7-600004 SERIES II 600 BASE BOX PURPLE 10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-225050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295062 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-283103 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263820 3/8-24 N.F. NUT-ZN 19 MFG-9-533600 TIE ROD-CHROMED 20 MFG-9-533600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-6-542211 .078 THRUST BEARING 26 MFG-9-250047 1/2-13 X 4 S H CS -SS 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-371052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-61050 JAM NUT 1/2-20 N.F. 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265055 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16X1.5 BH SH(SS) 41 MFG-9-283820 3/8-16X1.5 BH SH(SS) 42 MFG-9-233101 LINAK CONTROL BOX 43 MFG-9-268015 JAM NUT 1/2-20 N.F. 44 MFG-7-242021 HANGER BAR-2/COMP GREY 45 MFG-9-238154 3/8-16X1.5 BH SH(SS) 46 MFG-9-263820 3/8-16X1.5 BH SH(SS) 47 MFG-9-233101 LINAK SINGLE HANDSWITCH 48 MFG-9-233101 LINAK SINGLE HANDSWITCH 49 MFG-9-233101 LINAK SINGLE HANDSWITCH 41 MFG-9-233101 LINAK SINGLE HANDSWITCH 42 MFG-9-233101 LINAK SINGLE HANDSWITCH 43 MFG-9-233101 LINAK SINGLE HANDSWITCH 44 MFG-7-242067 MAST V-L 2 WISCALE (PURPLE) 45 MFG-9-233101 LINAK SINGLE HANDSWITCH 46 MFG-9-23300 JINAK SINGLE HANDSWITCH 47 MFG-9-23300 JINAK SINGLE HANDSWITCH 48 MFG-7-242070 MAST V-L 2 WISCALE (PURPLE) 49 MFG-9-233807 JINAK SINGLE HANDSWITCH 40 MFG-9-233807 JINAK SINGLE HETER(SS) 40 MFG-9-233807 JINAK SINGLE HANDSWITCH 41 MFG-9-233807 JINAK SINGLE HANDSWITCH 42 MFG-9-233807 JINAK SINGLE HANDSWITCH 43 MFG-9-233807 JINAK SINGLE HANDSWITCH 44 MFG-7-242067 MAST V-L 2 WISCALE (PURPLE) 45 MFG-9-3323500 CHARGING HOLE PLUG 46 MFG-9-620500 JI/2-LOCKING HOLE PLUG 47 MFG-9-620875 JR/8" LOCKING	4		MFG-9-270670	*
10 MFG-9-225750 1/4-20 X 3/4 FH PH 11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295040 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD-CHROMED 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-9-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-6-542212 .060 RACE 25 MFG-6-542210 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 HZ NUT-ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-633820 T/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARMV-L 2 PURPLE 36 MFG-9-265005 JAM NUT 1/2-20 N.F. 37 MFG-9-265005 JAM NUT 1/2-20 N.F. 38 MFG-9-265005 JAM NUT 1/2-20 N.F. 39 MFG-9-263820 WASHER .020/NYLON 40 MFG-9-63152 JAM-SUF ROUND CREET 41 MFG-9-263820 JAM-SUF ROUND CREET 42 MFG-9-263820 JAM-SUF ROUND CREET 43 MFG-9-263820 JAM-SUF L-20 N.F. 44 MFG-9-263820 JAM-SUF L-20 N.F. 45 MFG-9-263820 JAM-SUF L-20 N.F. 46 MFG-9-263820 JAM-SUF L-20 N.F. 47 MFG-9-263820 JAM-SUF L-20 N.F. 48 MFG-9-263820 JAM-SUF L-20 N.F. 49 MFG-9-263820 JAM-SUF L-20 N.F. 40 MFG-9-263820 JAM-SUF L-20 N.F. 41 MFG-9-263820 JAM-SUF L-20 N.F. 42 MFG-9-263820 JAM-SUF L-20 N.F. 43 MFG-9-263820 JAM-SUF L-20 N.F. 44 MFG-9-263820 JAM-SUF L-20 N.F. 45 MFG-9-263820 JAM-SUF L-20 N.F. 46 MFG-9-263820 JAM-SUF L-20 N.F. 47 MFG-9-263820 JAM-SUF L-20 N.F. 48 MFG-7-242000 ARMV-L 2 PURPLE 49 MFG-7-342000 LINAK SINGLE HANDSWITCH 40 MFG-9-263820 JAM-SUF L-20 N.F. 41 MFG-9-263820 JAM-SUF L-20 N.F. 42 MFG-9-263820 JAM-SUF L-20 N.F. 43 MFG-9-263820 JAM-SUF L-20 N.F. 44 MFG-9-263820 JAM-SUF L-20 N.F. 45 MFG-9-263820 JAM-SUF L-20 N.F. 46 MFG-9-263820 JAM-SUF L-20 N.F. 47 MFG-9-323500 CURPLE 48 MFG-9-263800 HARGING LE LOOUNT (PURPL	2	PLASTIC LIDS	MFG-6-000522	8
11 MFG-9-250050 1/2-13 X 5 1/4 HH G5-LEG 12 MFG-9-295040 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-6-542271 .078 THRUST BEARING 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-333100 LINAK CONTROL BOX 29 MFG-9-671052 1/4-28 X 1 1/4 30 MFG-9-633820 1.1/4-28 X 1 1/4 30 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARMV-L 2 PURPLE 36 MFG-9-268152 3/8-16X1.5 HS HS(S) 40 MFG-9-263820 3/8-16 NYLO NORLETE 39 MFG-9-263820 3/8-16 NYLON LOCKNUT 31 MFG-9-2838154 3/8-16X1.5 HH GR 5 44 MFG-9-233301 LINAK SINGLE HANDSWITCH 45 MFG-9-233301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-233301 LINAK SINGLE HANDSWITCH 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE LOAD CELL * MFG-9-323300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-260000 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	SERIES II 600 BASE BOX PURPLE	MFG-7-600004	9
12 MFG-9-295040 WASHER .040/SS 13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/JANLY 23 MFG-6-542211 .060 RACE 25 MFG-6-542212 .060 RACE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 HZ NUT-ZN 27 MFG-6-542210 .060 RACE 28 MFG-9-265010 1/2-13 HZ NUT-ZN 29 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-633820 1.1AL BATTERY 32 MFG-9-633200 LINAK BATTERY 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-910222 HANGER BAR-2/COMP GREY 41 MFG-9-265152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263152 3/8-16X1.5 BH SH(SS) 41 MFG-9-233101 LINAK SINGLE HANGER BAR-2/COMP GREY 41 MFG-9-250320 WASHER .020/NYLON 42 MFG-9-263151 JINAK SINGLE HANGER BAR-2/COMP GREY 43 MFG-9-268152 3/8-16X1.5 BH SH(SS) 44 MFG-9-263151 JINAK SINGLE HANDSWITCH 45 MFG-9-233101 LINAK SINGLE HANDSWITCH 46 MFG-9-233101 LINAK SINGLE HANDSWITCH 47 MFG-9-23301 LINAK SINGLE HANDSWITCH 48 MFG-9-23301 LINAK SINGLE HANDSWITCH 49 MFG-9-25012 WASHER .020/NYLON 40 MFG-9-25012 WASHER .020/NYLON 41 MFG-9-23301 LINAK SINGLE HANDSWITCH 42 MFG-9-23301 LINAK SINGLE HANDSWITCH 43 MFG-9-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-230301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-4-611707 MAST/SCALE CELL HOUSING PURPLE 49 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 50 MFG-6-771007 MAST/SCALE METER(SS) 4 MFG-9-323101 LINAK SINGLE EXTENSION 5 MFG-9-23807 3/8" SPLIT LOCK WASH 5 MFG-9-23807 3/8" SPLIT LOCK WASH 5 MFG-9-620807 1/2" LOCKING HOLE PLUG 5 MFG-9-620807 1/2" LOCKING HOLE PLUG 5 MFG-9-620807 7/8" LOCKING HOLE PLUG	4	1/4-20 X 3/4 FH PH	MFG-9-225750	10
13 MFG-9-295062 WASHER .062/SS 14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-683600 TIE ROD-DND 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-6-542211 .078 THRUST BEARING 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-32300 LINAK CONTROL BOX 29 MFG-9-323200 LINAK BATTERY 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-910222 HANGER BAR-2/COMP GREY 36 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 41 MFG-9-263820 3/8-16X1.5 BH SH(SS) 44 MFG-9-2332301 LINAK SINGLE HANDSWITCH 45 MFG-9-233301 LINAK SINGLE HANDSWITCH 46 MFG-9-263820 3/8-16X1.5 BH SH(SS) 47 MFG-9-263820 3/8-16X1.5 BH SH(SS) 48 MFG-9-263820 3/8-16X1.5 BH SH(SS) 49 MFG-9-263820 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16X1.5 BH SH(SS) 41 MFG-9-250120 WASHER .020/NYLON 42 MFG-9-250120 WASHER .020/NYLON 43 MFG-9-263820 3/8-16X1.5 BH SH(SS) 44 MFG-9-233301 LINAK SINGLE HANDSWITCH 45 MFG-9-233010 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 WISCALE (PURPLE) 50 MFG-6-771007 MAST/SCALE LOAD CELL 4 MFG-9-233800 1/2" LOCKING HOLE PLUG 4 MFG-9-323301 LINAK SINGLE HANDSWITCH 4 MFG-9-323301 LINAK SINGLE HANDSWITCH 5 MFG-9-323301 LINAK SINGLE HANDSWITCH 5 MFG-9-323301 LINAK SINGLE HANDSWITCH 5 MFG-9-323301 LINAK SINGLE HANDSWITCH 6 MFG-6-642677 NAST/SCALE ECLL HOUSING PURPLE 7 MFG-6-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 8 MFG-9-323300 CHARGING CABLE 8 MFG-9-323300 CHARGING CABLE 8 MFG-9-323500 CHARGING CABLE 8 MFG-9-620875 7/8" LOCKING HOLE PLUG	2	1/2-13 X 5 1/4 HH G5-LEG	MFG-9-250050	11
14 MFG-9-265008 1/2-13 NYLON INSERST JAM NUT 15 MFG-9-523120 CASTER 4" LOCKING 16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-5883600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-6-542211 .078 THRUST BEARING 26 MFG-9-2650047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323200 LINAK CONTROL BOX 29 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-62410 BRONZE BUSHING 3/4 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-9-265005 JAM NUT 1/2-20 N.F. 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-283154 WS-16-X1.5 BH SH(SS) 40 MFG-9-233101 LINAK SINGE HANDSWITCH 41 MFG-9-233101 LINAK SINGE HANDSWITCH 42 MFG-9-233101 LINAK SINGE HANDSWITCH 43 MFG-9-233101 LINAK SINGE HANDSWITCH 44 MFG-9-233101 LINAK SINGE HANDSWITCH 45 MFG-9-233101 LINAK SINGE HANDSWITCH 47 MFG-9-233101 LINAK SINGE HANDSWITCH 48 MFG-7-242020 TWASHER .020/NYLON 49 MFG-9-265050 J/2-20X2 1/2 HH GR 5 44 MFG-9-233101 LINAK SINGE HANDSWITCH 47 MFG-9-233101 LINAK SINGE HANDSWITCH 48 MFG-9-24067 MAST V-L 2 W/SCALE (PURPLE) 49 MFG-7-242067 MAST V-L 2 CELL MOUNT (PURPLE) 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-6-771007 MAST/SCALE LOAD CELL 4 MFG-9-23300 CHARGING CABLE 4 MFG-9-23300 CHARGING CABLE 4 MFG-9-323500 CHARGING CABLE 5 MFG-9-620870 7/8" LOCKING HOLE PLUG	2	WASHER .040/SS	MFG-9-295040	12
15 MFG-9-233120 CASTER 4" LOCKING 16 MFG-9-233153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD END 21 MFG-9-233100 3/8-16 X 1 GR 5 BOLT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542270 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 HEX NUT-ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK BATTERY 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 J-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-9-2638120 HANGER BAR-2/COMP GREY 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16X1.5 BH SH(SS) 41 MFG-9-2331301 LINAK SINGLE HANDSWITCH 43 MFG-9-233101 LINAK SINGLE HANDSWITCH 44 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-238154 3/8-16X1.5 HH GR5 Z 45 MFG-9-233101 LINAK SINGLE HANDSWITCH 46 MFG-9-2332301 LINAK SINGLE HANDSWITCH 47 MFG-9-2332301 LINAK SINGLE HANDSWITCH 48 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE (PURPLE) 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE LOAD CELL 4 MFG-9-233807 3/8" SPLIT LOCK WASH 4 MFG-9-233100 LINAK SINGLE HANDSWITCH 50 MFG-6-771007 MAST/SCALE METER(SS) 50 MFG-9-2328103 CHARGING CABLE 51 MFG-9-620500 1/2" LOCKING HOLE PLUG 51 MFG-9-620500 1/2" LOCKING HOLE PLUG 51 MFG-9-620875 7/8" LOCKING HOLE PLUG	3	WASHER .062/SS	MFG-9-295062	13
16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD-CHROMED 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542212 .060 RACE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-634110 BRONZE BUSHING 3/4 34 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-62410 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-9-671020 HANGER BAR-2/COMP GREY 37 MFG-9-671010 ACTUATOR SPACER 41 MFG-9-2638152 3/8-16X1.5 BH SH(SS) 40 MFG-9-2638152 3/8-16X1.5 BH SH(SS) 40 MFG-9-2638154 3/8-16X1.5 BH SH(SS) 41 MFG-9-233154 3/8-16X1.5 HH GR5 Z 44 MFG-9-233154 3/8-16X1.5 HH GR5 Z 45 MFG-9-263820 3/8-16 NYLON LOCKNUT 46 MFG-9-233154 3/8-16X1.5 HH GR5 Z 47 MFG-9-233154 3/8-16X1.5 HH GR5 Z 48 MFG-9-233154 3/8-16X1.5 HH GR5 Z 49 MFG-9-263820 1/2-20X2 1/2 HH GR 5 40 MFG-9-250250 1/2-20X2 1/2 HH GR 5 41 MFG-9-250250 1/2-20X2 1/2 HH GR 5 42 MFG-9-250250 1/2-20X2 1/2 HH GR 5 43 MFG-9-250320 1/2-20X2 1/2 HH GR 5 44 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 49 MFG-6-771007 MAST/SCALE METER(SS) 40 MFG-9-332300 CHARGING CABLE 41 MFG-9-620805 7/8" LOCKING HOLE PLUG 42 MFG-9-620805 7/8" LOCKING HOLE PLUG	2	1/2-13 NYLON INSERST JAM NUT	MFG-9-265008	14
16 MFG-9-238153 3/8-16X 1.5 FH SH/SS 17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542217 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK BATTERY 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-633820 TI-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-9-791022 HANGER BAR-2/COMP GREY 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16X1.5 BH SH(SS) 40 MFG-9-2638152 3/8-16X1.5 BH SH(SS) 41 MFG-9-233154 3/8-16X1.5 HH GRS Z 44 MFG-9-233154 3/8-16X1.5 HH GRS Z 45 MFG-9-233154 3/8-16X1.5 HH GRS Z 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-233154 3/8-16X1.5 HH GRS 5 48 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-233154 3/8-16X1.5 HH GRS 5 48 MFG-7-242047 V-L2/SCALE (PURPLE) 49 MFG-9-263605 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE LOAD CELL 4 MFG-9-233807 3/8" SPLIT LOCK WASH 4 MFG-9-233807 3/8" SPLIT LOCK WASH 5 MFG-9-323200 CHARGING CABLE 5 MFG-9-620805 7/8" LOCKING HOLE PLUG	2			
17 MFG-6-583650 CUT TIE ROD ENDS 18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 BOLT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542211 .078 THRUST BEARING 25 MFG-6-542211 .078 THRUST BEARING 26 MFG-9-250047 1/2-13 X 4 SH CS - SS 27 MFG-6-573290 INDEX ARM-2/SCALE 28 MFG-9-265010 1/2-13 HEX NUT -ZN 29 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-233101 LINAK SHEN BASHER 44 MFG-9-233101 LINAK SHEN BASHER 45 MFG-9-233101 LINAK SHEN BASHER 46 MFG-4-611100 LINAK BATTERY 47 MFG-9-23301 LINAK SHEN BASHER 48 MFG-7-242047 V-L2/SCALE (PURPLE) 49 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE METER(SS) 40 MFG-9-250350 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE METER(SS) 40 MFG-9-233007 J/8" SPLIT LOCK WASH 41 MFG-9-233000 CHARGING CABLE 42 MFG-9-323300 CHARGING CABLE 43 MFG-9-323000 CHARGING CABLE 44 MFG-9-323000 CHARGING CABLE 45 MFG-9-620805 7/8" LOCKING HOLE PLUG	2			
18 MFG-9-263824 3/8-24 N.F. NUT-ZN 19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583800 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542217 .106D RACE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323300 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-323200 LINAK CONTROL BOX 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-65005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-671050 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 41 MFG-9-2633201 LINAK SHEN SPACER 41 MFG-9-2333154 3/8-16X1.5 HH GR5 Z 44 MFG-9-233154 3/8-16X1.5 HH GR5 Z 44 MFG-9-233154 1LINAK SINGLE HANDSWITCH 45 MFG-9-323201 LINAK SINGLE HANDSWITCH 46 MFG-9-250250 1/2-20X2 1/2 HH GR 5 47 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE METER(SS) 4 MFG-9-233807 3/8" SPLIT LOCK WASH 4 MFG-9-233807 3/8" SPLIT LOCK WASH 5 MFG-9-323300 CHARGING CABLE 4 MFG-9-323300 CHARGING CABLE 5 MFG-9-620805 7/8" LOCKING HOLE PLUG	2			
19 MFG-4-900605 600 TIE ROD-CHROMED 20 MFG-9-583600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542270 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323100 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263320 JR-16 NYLON LOCKNUT 43 MFG-9-233310 LINAK SINGLE HANDSWITCH 44 MFG-9-233301 LINAK SINGLE HANDSWITCH 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 49 MFG-7-242067 MAST V-L 2 LINAK SINGLE HANDSWITCH 49 MFG-9-323301 LINAK SINGLE HANDSWITCH 49 MFG-7-242067 MAST V-L 2 LINAK SINGLE HANDSWITCH 49 MFG-9-323301 LINAK SINGLE HANDSWITCH 40 MFG-9-6-771007 MAST/SCALE CELL HOUSING PURPLE 41 MFG-7-242067 V-L2/SCALE CELL HOUSING PURPLE 42 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 43 MFG-9-323301 LINAK SINGLE BOLT 44 MFG-7-542877 V-L2/SCALE LOAD CELL 45 MFG-9-323600 CHARGING CABLE 46 MFG-9-323500 CHARGING CABLE 47 MFG-9-323500 CHARGING CABLE 48 MFG-9-620875 7/8" LOCKING HOLE PLUG	6			
20 MFG-9-583600 TIE ROD END 21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542270 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-250047 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 41 MFG-9-238154 3/8-16X1.5 BH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-233301 LINAK SINGLE HANDSWITCH 46 MFG-9-23301 LINAK SINGLE HANDSWITCH 47 MFG-9-230250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-73121 CABLE EXTENSION * MFG-9-233807 3/8" SPLIT LOCK WASH * MFG-9-323300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
21 MFG-9-238100 3/8-16 X 1 GR 5 B0LT 22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542270 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-33820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-67050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-9-67100 ACTUATOR SPACER 41 MFG-9-26512 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-23310 LINAK SINGLE HANDSWITCH 44 MFG-9-23310 LINAK SINGLE HANDSWITCH 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-4-21007 MAST V-L 2 W/SCALE (PURPLE) 49 MFG-9-250350 1/2-20X2 1/2 HH GR 5 48 MFG-7-242067 MAST V-L 2 CELL HOUSING PURPLE 49 MFG-9-250350 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 50 MFG-9-233801 1/2" SPACER-ACETAL 49 MFG-9-250350 1/2-20X2 1/2 HH GR 5 48 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771007 MAST/SCALE METER(SS) 40 MFG-9-233801 1/2" SPACER-ACETAL 41 MFG-7-242067 MAST Y-L 2 W/SCALE (SCALE CELL HOUSING PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL 50 MFG-6-771017 MAST/SCALE METER(SS) 51 MFG-9-323300 CHARGING CABLE 52 MFG-9-323500 CHARGING CABLE 53 MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
22 MFG-5-704000 1" GREEN SPRING/DANLY 23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542270 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 X 4 SH CS -SS 26 MFG-9-323100 LINAK CONTROL BOX 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-625005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-238154 3/8-16X1.5 HH GR5 Z 41 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-238150 1/2-20X2 1/2 HH GR 5 45 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-23807 3/8" SPLIT LOCK WASH * MFG-9-238151 CABLE EXTENSION * MFG-9-323300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-320507 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	3			
23 MFG-6-542211 .078 THRUST BEARING 24 MFG-6-542212 .060 RACE 25 MFG-6-542770 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-323200 LINAK BATTERY 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-267100 ACTUATOR SPACER 41 MFG-9-250320 3/8-16 NYLON LOCKNUT 42 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-23807 3/8" SPLIT LOCK WASH * MFG-9-323300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
24 MFG-6-542212 .060 RACE 25 MFG-6-542770 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARMV-L 2 PURPLE 36 MFG-7-10222 HANGER BAR-2/COMP GREY 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-263820 3/8-16 NYLON LOCKNUT 42 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-233301 LINAK SINGLE HANDSWITCH 45 MFG-9-233301 LINAK SINGLE HANDSWITCH 46 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
25 MFG-6-542770 INDEX ARM-2/SCALE 26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-7-242020 HANGER BAR-2/COMP GREY 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 41 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-9-238154 3/8-16X1.5 HH GR5 Z 45 MFG-4-11100 LINAK SINGLE HANDSWITCH 46 MFG-9-323301 LINAK SINGLE HANDSWITCH 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-323300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
26 MFG-9-250047 1/2-13 X 4 SH CS -SS 26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-633820 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16X1.5 BH SH(SS) 40 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-238154 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
26 MFG-9-265010 1/2-13 HEX NUT -ZN 27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-7-242020 HANGER BAR-2/COMP GREY 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-263820 3/8-16 NYLON LOCKNUT 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-323301 LINAK SINGLE HANDSWITCH 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE METER(SS) * MFG-9-233807 3/8" SPLIT LOCK WASH * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG				
27 MFG-6-573290 SHIFT BAR-2 (29") 28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-263820 3/8-16 NYLON LOCKNUT 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE METER(SS) * MFG-9-238307 3/8" SPLIT LOCK WASH * MFG-9-232300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
28 MFG-9-323100 LINAK CONTROL BOX 29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-238154 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16 X1.5 HH GR5 Z 44 MFG-9-323301 LINAK SINGLE HANDSWITCH 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-9-250250 1/2-20X2 1/2 HH GR 5 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-233500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
29 MFG-9-271052 1/4-28 X 1 1/4 30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-268820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-542870 V-2, V-L 2 CELL HOUSING PURPLE 49 MFG-6-771017 MAST/SCALE CELL HOUSING PURPLE 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620875 7/8" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1 1	, ,		
30 MFG-9-633820 7/8" END CAP-RUBBER 31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-332300 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
31 MFG-9-323200 LINAK BATTERY 32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	5			
32 MFG-9-671050 1-1/4" ROUND RIBBED PLUG 33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-323500 CHARGING CABLE * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
33 MFG-9-624110 BRONZE BUSHING 3/4 34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
34 MFG-9-265005 JAM NUT 1/2-20 N.F. 35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2		MFG-9-671050	32
35 MFG-7-242020 ARM/V-L 2 PURPLE 36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2	BRONZE BUSHING 3/4	MFG-9-624110	33
36 MFG-4-510248 PLASTIC CAP (GREY) 37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2	JAM NUT 1/2-20 N.F.	MFG-9-265005	34
37 MFG-7-910222 HANGER BAR-2/COMP GREY 38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	ARM/V-L 2 PURPLE	MFG-7-242020	35
38 MFG-4-910120 HANGER ROD COMPLETE 39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-5738630 1 1/2" SPACER-ACETAL * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	PLASTIC CAP (GREY)	MFG-4-510248	36
39 MFG-9-268152 3/8-16X1.5 BH SH(SS) 40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-5738630 1 1/2" SPACER-ACETAL * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	HANGER BAR-2/COMP GREY	MFG-7-910222	37
40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2	HANGER ROD COMPLETE	MFG-4-910120	38
40 MFG-9-677100 ACTUATOR SPACER 41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
41 MFG-9-295012 WASHER .020/NYLON 42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2	, ,		
42 MFG-9-263820 3/8-16 NYLON LOCKNUT 43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	4			
43 MFG-9-238154 3/8-16X1.5 HH GR5 Z 44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
44 MFG-7-242067 MAST V-L 2 W/SCALE (PURPLE) 45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-620500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
45 MFG-9-323301 LINAK SINGLE HANDSWITCH 46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
46 MFG-4-611100 LINAK ACTUATOR 47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	,		
47 MFG-9-250250 1/2-20X2 1/2 HH GR 5 48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
48 MFG-7-242047 V-L2/SCALE CELL HOUSING PURPLE 49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	2			
49 MFG-7-542870 V-2, V-L 2 CELL MOUNT (PURPLE) 50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG				
50 MFG-6-771017 MAST/SCALE LOAD CELL * MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
* MFG-5-738630 1 1/2" SPACER-ACETAL * MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	, ,		
* MFG-6-542575 INDEX GUIDE BOLT * MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG				
* MFG-6-771007 MAST/SCALE METER(SS) * MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
* MFG-9-293807 3/8" SPLIT LOCK WASH * MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
* MFG-9-321218 CABLE EXTENSION * MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1	, ,		
* MFG-9-323500 CHARGING CABLE * MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	5			
* MFG-9-620500 1/2" LOCKING HOLE PLUG * MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
* MFG-9-620875 7/8" LOCKING HOLE PLUG	1			
1/10 EOCKING HOLL FLOG	1			
* MFG-9-225020 3/4 WHITE PLASTIC NUT COVER	1		MFG-9-620875	
	6	3/4 WHITE PLASTIC NUT COVER	MFG-9-225020	*

MONTHLY VANDER-LIFT™ INSPECTION CHECKLIST

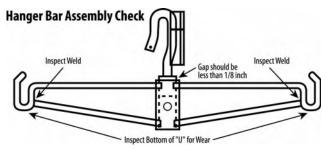
INSTRUCTIONS: Use one page for each VANDER-LIFTTM. Check each blank as that item is inspected. Note date inspected, initials of maintenance staff member who performed inspection and repairs or adjustments made in the "COMMENTS" column.

Serial Number of Lift Year

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	COMMENTS
Check nuts & bolts for tightness													
Inspect welds for cracks, rusting & damage													
Inspect hanger bar welds & tolerance (see diagram below)													
Remove lids & inspect wire connections													
Check casters for tightness/lint													
Check battery voltage while lift is in operation*													
Check battery charger output (27.6 volts + or5 volts)													
Inspect Hanger Rods (Per Diagram)													

^{*13.2} volts if fully charged, approx. 12.0 volts if partially discharged (+ or - .5 volt). If voltage decreases by 4-5 volts, change the battery.





MONTHLY VANDER-LIFT™ SLING INSPECTION CHECKLIST

from service and replaced with undamaged slings. Check each blank as that item is inspected. Note the date inspected, the initials of INSTRUCTIONS: All slings in the facility must be checked monthly. Slings that are damaged or excessively worn must be removed the nurse or professional rehabilitation department staff member who performed the inspection, and action taken, if any, in the "CORRECTIVE ACTION" column.

CORRECTIVE ACTION						
DEC						
NOV						
ОСТ						
SEP						
AUG						
JUL						
NOC						
MAY						
APR						
MAR						
FEB						
JAN						
	Total number of slings.	Is loose and/or missing stitching present?	On slings with safety belts, does Velcro or plastic connector fasten securely?	Is excessive wear present?	Is color fading on stabilizing handles?*	Is the padding inside the leg straps smooth?**

^{*}If the color is fading on the stabilizing handles, this indicates the sling is being laundered with bleach or with a harsher detergent than is recommended. The sling must be removed from service immediately and discarded as bleach or harsh detergent can weaken the fabric and stitching.
**If the padding inside the leg straps is bunched (no longer smooth), this indicates the sling has been dried in a hot dryer. The sling must be removed from service immediately

YEAR

and discarded as too much heat can damage the sling.

TOOLS NEEDED FOR QUARTERLY MAINTENANCE CHECK

¾ "Wrenches (2) 9/16 "Wrench ½ "Wrench AC/DC Volt Meter Phillips Head Screw Driver Apply 1-2 drops of Loctite to all nuts and bolts

QUARTERLY MAINTENANCE

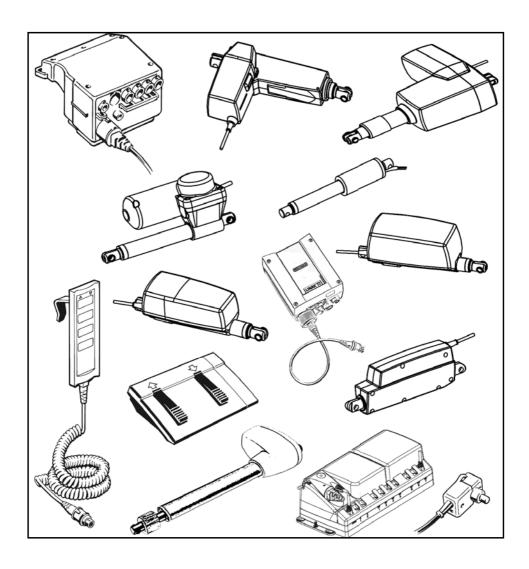
- 1. Check all nuts and bolts for tightness. If loose, apply 1 or 2 drops of Loctite # 271.
- 2. Visually inspect welds fro cracks and/or rusting.
- 3. Check hanger assembly (per diagram.) (VANDER-LIFT ONLY)
- 4. Check hanger rods (per diagram) Gromets installed & hanger rod clips installed.
- 5. Remove lids and visually inspect wire connections.
- 6. Check batteries for voltage (minimum 25 volt). Check each battery for voltage (should be equal). If more then 3 volts difference replace low battery. This should be done under load.
- 7. Check battery charger for output (26+ volts, maximum output 28 volts)

ANNUAL MAINTENANCE

(All of the above quarterly maintenance in addition to the items listed below)

Apply 1.25% of weight capacity to lift and inspect for cracked or weak welds and any irregular deformation of lift and lift attachments.

LINEAR ACTUATORS AND ELECTRONICS





Contents

Preface	
Valid for	
Important information	
Safety instructions	
Manufacturer's declaration	8
1. System description	
Fundamental actuator construction	
Warranty and service life	
IP Protection degree	
LINAK washing procedure for products	
Maintenance	
Environmental conditions	
Insulation class	
Key to symbols	
Mounting	
Connecting the system	20
2. Start-up/operation	
Troubleshooting Actuators/Lifting columns	
Troubleshooting Electronics	25
3. Information on specific actuators	26
4. Information on specific columns	39
5. Information on specific controls boxes	42
	40
6. Information on specific controls	49
7. Information on specific JUMBO	54
7. monutation on specimes of the contract of t	٠.
8. Information on specific accessories	57
9. Repair and disposal	ΕO
Main groups of disposal	
iviairi groups oi disposai	00
Practical information	62
Drawings	
Addresses	

Preface

Dear User,

We are delighted that you have chosen a product from LINAK®.

LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, electric control boxes, controls and chargers.

This User Manual will tell you how to install, use and maintain your LINAK electronics. We are sure that your LINAK system will give you many years of problem-free operation.

Before our products leave the factory they undergo full function and quality testing. Should you nevertheless experience problems with your systems, you are always welcome to contact your local dealer.

LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you.

LINAK provides a warranty on all its products.

This warranty, however, is subject to correct use in accordance with the specifications, maintenance being done correctly and any repairs being carried out at a service centre, which is authorised to repair LINAK products.

Changes in installation and use of LINAK systems can affect their operation and durability. The products are not to be opened by unauthorised personnel.

The User Manual has been written on the basis of our present technical knowledge. We are constantly working on updating the information and we therefore reserve the right to carry out technical modifications.

LINAK A/S

Valid for:

This User Manual is valid for the following products:

(See the first 3 - 5 characters on the label)

Actuators: LA12, LA22, LA27, LA28, LA29, LA30, LA31, LA32, LA34, LA44

Columns: BB3, BL1, BL4, LC2, LP2, LP3

Control boxes: CB6, CB6S, CB7, CB8-A, CB8-T, CB9, CB12, CB14, CB16, CB20, CBR1

Controls: ACC, ACK, ACL, ACM, ACP, ACO, FS, FS2, HB20, HB40, HB50, HB60,

HB70, HB80, HL70, HL80, IRO, LS/LSD

JUMBO systems: BAJ1/2, CBJ1/2, CBJH, CH01, CH08, CHJ2, MBJ1/2/3

Accessories: BA18, CS16, DJB, MJB, SLS, COBO20

Important information

Description of the various signs used in this manual.



Warning!

Failure to comply with these instructions may result in accidents involving serious personal injury.



Failing to follow these instructions can result in the product being damaged or destroyed.

Safety instructions



Please read the following safety information carefully.

It is important for everyone who is to connect, install or use the systems to have the necessary information and access to this User Manual.

Please be advised that LINAK has taken precautions to ensure the safety of the actuator system. It is the responsibility of the manufacturer/OEM to get the overall approval for the complete application.

LINAK recommends that the actuators should be used in push applications, rather than pull applications.

If the actuator is used for push in an application where personal injury can occur (e.g. patient hoists), a special safety nut must be used.

Except for LA34 which can be used for both push or pull applications, if mounted with safety nuts in both directions.

Persons who do not have the necessary experience or knowledge of the product/ products must not use the product/ products. Besides, persons with reduced physical or mental abilities must not use the product/products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.

Moreover, children must be under surveillance to ensure that they do not play with the product.

Classification:

The equipment is not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.

Electromagnetic compatibility

LINAK Actuator Systems bears the CE marking as an attestation of compliance with the EMC Directive 2004/108/EC; the systems are designed to meet all requirements of the standard IEC 60601-1-2 and have been tested to such requirements. It is unlikely that the user will encounter problems with the Actuator System because of inadequate electromagnetic compatibility. However, electromagnetic immunity is always relative and standards anticipate environments of usage. If the user notes unusual behavior of the Actuator System, particular if such behavior is intermittent and associated with the standing right next to mobile phones, microwaves and radio broadcast masts, this could be an indication of electromagnetic interference. If such behavior occurs, try to move the Actuator System further away from the interfering equipment.



Warning!

If the actuator or lifting column is used for pull in an application where personal injury can occur, the following is valid:

It is the application manufacturer's responsibility to incorporate a suitable safety arrangement, which will prevent personal injury from occurring, if the actuator should fail.



Residual risk

Some of the products contains software based components. LINAK has done various possible efforts to assure that the software is free of errors and that the software has been developed according to the rules of IEC 60601-1-4 (software in Medical products). That involves risk analysis which shows a small residual risk for unwanted/ unintended movement of actuators under specific conditions.

According to the above rules it must be informed and if nescessary considered in the risk analysis of the final application - More details to residual risk can be provided by LINAK if nescessary.



Warning!

Note that during construction of applications, in which the actuator is to be fitted, there must be no possibility of personal injury, for example the squeezing of fingers or arms.



Warning!

The plastic parts in the system cannot tolerate cutting oil.



Warnings!

LINAK's actuators and electronics are not constructed for use within the following fields:

- Planes and other aircrafts
- Explosive environments
- Nuclear power generation



Warning!

LINAK recommends that the actuators should be used in push applications, rather than pull applications.

If the actuator is used for push in an application where personal injury can occur (e.g. patient hoists), a special safety nut must be used. Except for the LA34 which can be used for both push or pull applications, if mounted with safety nuts in both directions.



Warnings:

- If faults are observed, the products must be replaced.
- Never spray directly on the products with a highpressure cleaner.



For actuators without plugs, which are not connected to a LINAK control box, the mains supply or the actuator must always be equipped with an arrangement that switches off the actuator at the end-stop, for example, LS or LSD limit switch. If there is a risk of overloading the actuator, the mains supply must be equipped with a safety device against overloading (for example a CS16-PCB). If these precautions are not observed, the actuator can be damaged.



The LINAK products cannot tolerate the influence of strong solvents, basic or alkaline liquids.

Non-LINAK handsets

LINAK handsets are designed specially for LINAK control boxes, and they are designed to be highly reliable and flexible. If the customer still wishes to use his own handset, it is important to contact a LINAK sales person to find out the requirements with regard to the switches in the handset. Poor switches can destroy the control box.



The duty cycle printed on the label of the control box must always be noted. If this is exceeded, there is a risk of the control box being overheated and damaged. Unless otherwise specified on the label, the duty cycle is max. 10%: max. 2 min. in use followed by 18 min. not in use. Exceeding the duty cycle will result in a dramatic reduction of the product.

Manufacturer's declaration

Implementation with regard to the Community
legislation on machinery
Directive 98/37/EC attachment II B:
LINAK A/S, subsidiaries or representatives,
(see back cover)
prohibit that actuators are put into service
until the machinery into which the actuator is to be
incorporated has been declared in conformity with
the provisions of all relevant Directives.

Bent Jensen LINAK A/S

1. System description:

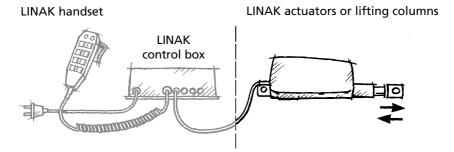
Usage/type of applications:

LINAK actuators, lifting columns and electronics have been developed for use in all places where a linear movement is required.

LINAK's products can, for example, be used for:

- Adjustment of beds
- Adjustment of furniture
- Adjustment of table heights and angles
- Patient hoists within the care and hospital sector
- Adjustment of industrial processing machines
- Adjustment of agricultural machines
- Adjustment of ventilation systems
- Adjustment of dentist chairs/gynaecological chairs
- Etc.

The principles of a LINAK system are as follows:



Attention should be paid to the following:

- Control boxes must only be connected to the mains voltage specified on the label.
 All DIN, jack, or minifit plugs from the CB6S/CB12/CB14/CB16/CB20 IPX6 Washable should be locked by using a LINAK locking mechanism.
- The control box must be connected in such a way that the cables are not trapped, exposed to tension or sharp objects when the application is moved in different directions.

Prior to first use of LINAK batteries, please make sure that they are being charged 24 hours in order to reach proper function and prolong the lifetime of the batteries.

If the customer uses a non-LINAK battery, it is important to check that the current is not reversed (plus and minus swapped over) This applies to both control boxes, which always run off battery and control boxes with battery backup. Contact your nearest LINAK dealer for specification of type, size etc.

The control current in the handset cable must not exceed 100 mA.

The control box is the heart of the system and connects the various outlying units (actuators, lifting columns, handsets and attendent controls). Control boxes differ widely in complexity. The simplest are only able to convert control signals from the handset into operating voltage for the actuator. The most advanced are microprocessor controlled and have advanced functions such as, parallel running of several actuators and other complex correlations. Most LINAK control boxes provide an Electronic Overload Protection (EOP), designed to protect the actuator (excl. LA12, LA29, LA31, LA34), against overload by disconnecting the current when the actuator is fully extended or retracted. If an LA12, LA29, LA31, LA34 actuator is used, the built-in limit switches stop the actuator when fully extended or retracted, and the control box only disconnects when the maximum current is exceeded. When using a CB6S/CB9 control box it is important to note that not all types of CB6S/CB9 have electronic overload protection.

The actuator is the unit, which converts the operating voltage from the control box into a linear movement.

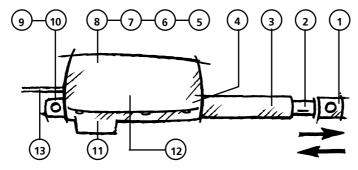
The principle of the LINAK actuator's mode of operation is that a low voltage DC motor (5), via a gear system (12), rotates a threaded spindle, onto which a nut is fitted. As this nut cannot rotate, since the piston rod (2) is restrained, the piston rod will move forwards or backwards, when the threaded spindle rotates.

On the basis of motor type, gearing, and the threaded spindle's pitch, the actuator's thrust and speed are determined.

The handset is the unit to be used when you want the LINAK® system to perform a movement. It determines whether the control box will make the actuator move in or out. There are many variants of LINAK handsets.

The Attendant Control (ACC, ACK, ACL, ACM, ACP, ACO) is an accessory used when nursing staff want to restrict the patients adjustment options of a bed. It is often used in conjunction with a handset and disables selected functions on the handset. It can also have control functions with the same function as those on the handset.

Fundamental actuator construction



- 1. Piston rod eye
- 2. Piston rod
- 3. Location of mechanical splines
- 4. Location of brake
- 5. Motor
- 6. Motor with optical switch
- 7. Motor with potentiometer
- 8. Motor with reed-switch
- 9. Back fixture
- 10. Back fixture with electrical splines
- 11. Quick release mechanism
- 12. Transmission between motor and spindle
- 13. Cable for connection to 12/24/36V DC by means of plug via control box

Warranty and service life

The LINAK warranty covers manufacturing defects in the products, starting from the date of manufacture. There is 36 months' warranty on the HOMELINE products, 18 months' for MEDLINE and CARELINE products, and 12 months' for the TECHLINE products. The warranty is limited to the value of the LINAK product.

LINAK's guarantee is only valid so far as the products have been used and maintained correctly and has not been tampered with. Furthermore, the products must not be exposed to violent treatment. In the event of this, the warranty will be ineffective / invalid. LINAK's warranty is only valid if the system is unopened and has been used correctly.

All LINAK products are designed to have an optimum service life as a matter of course, but the expected service life in a specific application is very dependent on how the products are used.

IP Protection degree:

The products can be cleaned as follows according to their IP protection, which is stated on the product label. The IP code specifies the degrees of protection provided by the enclosures. For most products only the protection against ingress of water (second characteristic numeral) is specified, ingress of solid foreign objects or dust (first characteristic numeral) is not specified and therefore replaced by the letter X in the code. For some special industrial products both the first and second characteristic numerals are specified. This is an demand from the marked and will only be specified if tested and approved.

IP protection	Cleaning instructions
IPX0	Clean with a damp cloth.
IPX1	Clean with a damp cloth.
IPX2	Clean with a damp cloth.
IPX3	Clean with a damp cloth.
IPX4	Clean with a damp cloth.
IPX5	Wash with a brush and water, but not water under pressure
IPX6	X Wash with a brush and water. The water can be under pressure, but the system must not be hosed down directly with a highpressure cleaner. Max. 20°C
IPX6 Washable	Clean by the use of wash tunnels

Cleaning with a steam cleaner, is not permitted.

IPX6 Washable products can be washed in wash tunnels according to the following quidelines:

- The distance between the nozzle and the electrical parts must be at least 300 mm.
- The handset and motor plug must be pushed right in.
- The water temperature must not exceed 65°C in max. 3 minutes (see temperature curve on page 14).
- Cooling with cold water is not permitted.

To avoid degreasing of the piston rod, the actuator should be retracted to minimum stroke before washing.



Warning!

The systems must not be sprayed directly with a highpressure cleaner.



Warning!

Interconnecting cables must remain plugged in during cleaning to prevent the ingress of water.

LINAK washing procedure for IPX6 Washable products:

Reference: The LINAK washing procedure is defined to duplicate the washing

process of a hospital using a wash tunnel. This washing process has been chosen, as it sets a high standard regarding the sealing

effectiveness of the products.

Chemicals: Use the Henkel product Sekumatic FDR or a similar product with

corresponding properties as detergent. Use the Henkel product Sekumatic FKN or a similar product with corresponding properties as

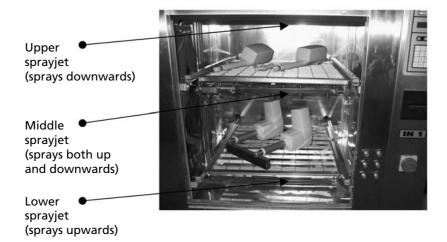
softener.

Design: The LINAK washing machine is built with a large washing chamber

containing two shelves, onto which the test products can be placed. Each shelf is surrounded by a series of sprayjets, they spray the test products from above and below, so that all surfaces of the test products

are sprayed upon.

For more details see the picture below:



Data for the LINAK development department's test-washing machine

On both of the two bars over the test products (the upper and middle spraybars) 5 washjets and 5 sprayjets are mounted with approx. Ø3 mm

holes, all of which spray both downwards and to the sides.

On both of the two bars under the test products (middle and lower spraybars) a total of 8 washjets and 8 sprayjets are mounted with approx. Ø3 mm holes, all of which spray both upwards onto the test

products and to the sides

Sprayjets:

Distance: The distance between the lowest jet (on the middle and lowest spray-

bars) and the test products are fixed to approx. 70 mm, if the test products rest directly on the shelf. Between the uppermost jets (on the upper and middle jet-bars) and the test products the distance can vary up to approx. 250 mm depending on the size of the test products.

Water volume:

Each of the sprays supplies approx. 6 litres of water pr. minute, the equivalent of the test products on each of the shelves being sprayed with a totalt of approx. 75 l/min. Both during the washing process and during the rinsing process.

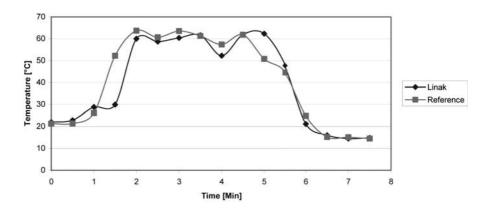
Spray pressure:

Both during the washing process and the rinsing process the washing machine operates with a spray pressure of 0,4 bar. (overpressure)

Temperature:

The water temperature in both washing and rinsing is constant at 65° C. During the first 2 minutes the products are washed with 65° warm water and are here warmed up. After a few seconds the products are rinsed with 65° warm water for one minute and then cooled down in the ambient air temperature for about 15 minutes. A total cycle lasts for about 20 minutes. The diagram below is a graphic illustration of the process.

Comparison between temperature profile for LINAK and reference washing process from a hospital with a washing tunnel.



If LINAK products with the IP protection class IP 66 Washable go through a washing process which differs considerably from the above, there will be no guarantee for either the function or the life of the product.

- Actuators are tested in the closed (run inwards) position.
- CB's are tested with plugs fitted.
- The washing cycle is repeated 200 times during each test.

Maintenance

Valid for all LINAK products

- The LINAK products must be cleaned at regular intervals to remove dust and dirt and inspected for mechanical damage, wear and breaks.
- The LINAK products are closed units and require no internal maintenance.
- Only type IPX6 is waterproof and type IPX6 Washable tolerates being washed in tunnels.
- The LINAK products must be IPX6 Washable when cleaning in wash tunnels. Make sure that the plugs are correctly fitted with O-rings before washing.
- O-rings: When individual parts are replaced in a LINAK IPX6 or IPX6 Washable system, the O-rings on all parts, must be replaced at the same time. On control boxes with a replaceable mains fuse, the O-ring in the fuse cover must be replaced every time the cover has been removed. The O-rings must be greased in water free vaseline when replacing them. Make sure that the counterpart the socket is clean and undamaged.

Valid for all LINAK actuators and lifting columns

- Actuators/lifting columns must be inspected at attachment points, wires, piston rod, cabinet, and plugs, as well as checking that the actuator/lifting columns function correctly.
- To ensure that the pregreased inner tube remain lubricated the actuator must only be washed down when the piston rod is fully retracted.

Valid for all LINAK control boxes and handsets

- Electronics must be inspected at attachment points, wires, cabinet, and plugs.
- Inspect the connections, cables, cabinet, and plugs, and check for correct functioning (does not apply to battery versions).
- With the exception of the CS16 the control box is sealed and maintenance free.
- Inspect at regular intervals that the ventilation aperture on the external battery is positioned correctly and is intact throughout its length, approx. 20 mm., see *figure 1*.

Environmental conditions:

Storage and transport	
Operating:	
Temperature Relative humidity Atmospheric pressure	5°C to 40°C 20% to 90% @ 30°C – not condensing 700 to 1060 hPa
Storage:	
Temperature Relative humidity Atmospheric pressure	-10°C to +50°C 20% to 90% @ 30°C – not condensing 700 to 1060 hPa

Valid where nothing otherwise is stated under the specific products in a later section.

Insulation class:

LINAK control boxes are available in insulation class 1 and insulation class 2.

Class 1 means with earth connection

Class 2 means without earth connection

When measuring the resistance in the earth connection in LINAK Control Boxes (class 1), it is recommended to use equipment, delivering a test current of no less than 5A. The resulting voltage will correspond to the resistance in the earth connection. Test currents below 5A, would yield no exact measurements.

Key to symbols

The following symbols are used on the label on the LINAK products.



Type B equipment, as per EN 60601-1



Protection against contact/foreign matter (first character) and water (second character) as per EN60529



Class 2 equipment



For indoor use



Double insulated transformer



Protective earth



Alternating Current



Direct current



Attention, consult accompanying documents



Lock function



Release function



Charge indicator



Safety switch/enable button





Demko approval



Fimko approval





APPROVAL V94265

Australian approval mark

APPROVAL NO.:97122 Australian approval mark



Recognised - Component Mark



Recognised - Component Mark



Recognised Component Mark for Canada and the United States T-Mark



RW-Tüv approval





Tüv.Produkt Service



TÜVRheinland



ETL



CS95145V

LGA DI LGA



UL Listing Mark



C-UL Listing Mark



C-UL US Listing Mark



UL Listing Mark

File E97199

UL file number

File E175209

UL file number

File E151104

UL file number



CSA



PSE-Mark



Product with a thermofuse



For indoor use (House).



Safety isolating transformer.



Electronics scrap



Equipment Kl.2 (Double square)



Patient part of type B (Mand)



Patient part of type BF



Earth protection



Equipment class 1.



Earth



CE Mark



C-TICK

Mounting:

Actuator:

Do not use any other screws for the mounting brackets than those recommended by LINAK. If longer screws are used they will come into contact with the inner parts of the actuator. This will result in an irregular operation or even damage the actuator.

During mounting, the actuator must always be:

- Fixed, to protect it against torque and bending. See Figure 2.
- Fixed, so that it is restrained, but free to move on its mountings. See Figure 3.
- Fixed in brackets, which can take up the torque reaction. See Figure 3.
- Mounted at right angles, so that the right angle requirement is observed. See Figure 4.
- Mounted with correct bolt dimension.
- Mounted with bolts and nuts made of steel.
- Bolts and nuts must be protected from being able to fall out.

Control boxes:

- The mounting screws on the control box must be tightened with a maximum torque of 1 Nm
- The mounting surface to which the control box is attached should have a surface evenness better than ± 0.5 mm.
- Systems must not be installed/deinstalled while in operation.
- Control boxes with a wet alarm must be mounted as shown on figure 5.
- Nuts and bolts must be made of steel.
- Nuts and bolts must be tightened securely.

The correct bolt size for securing the CB8, CB12, CB14, CB16 and CB20, is Ø5 mm and the ACP box is M5.

Connecting the system:

Do not connect the mains cable until all actuators and handsets have been connected to the control box.

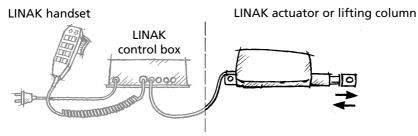
Start by connecting the handset to the control box. The connection in the control box is marked with "HB".

Connect the different actuators to the different channels on the control box. Each channel is marked with a number (e.g. "1", "2", "3"......).

Check that all plugs are well connected and firm pushed into the connection plug. Due to the fact that LINAK control boxes are designed for a high IP degree a firm force can be required.

Connect the mains cable.

The actuators can now be operated by pushing a button on the handset. Use only one button at the time. If the control box is equipped with a special software an initializing process might be necessary. This process is described in the software specification.



Attention should be paid to the following:

- Control boxes must only be connected to the mains voltage specified on the label. All DIN, jack or minifit plugs from the CB6S/CB12/CB14/CB16/CB20 IPX6 Washable should be locked by using a LINAK locking mechanism.
- The control box must be connected in such a way that the cables are not trapped, exposed to tension or sharp objects when the application is moved in different directions.

Prior to first use of LINAK batteries, please make sure that they are being charged 24 hours in order to reach proper function and prolong the lifetime of the batteries.

If the customer uses a non-LINAK battery, it is important to check that the current is not reversed (plus and minus swapped over) This applies to both control boxes, which always run off battery and control boxes with battery backup. Contact your nearest LINAK dealer for specification of type, size etc. The control current in the handset cable must not exceed 100 mA.

Any non-detachable power supply cord with mains plug is considered as the disconnecting device.

Charging is only allowed in dry environment, and appliance inlet must be thoroughly dried before connecting to mains.

All types of actuators may only be connected according to the label, where the voltages 12, 24, or 36 VDC are indicated.

- a) Actuators with jack plugs may only be connected to LINAK control boxes
- b) Actuators without plugs are connected as shown in Figures 6.1 6.12.

For actuators operating without a control box, the mains supply of the actuator must be equipped with an arrangement, which switches off the actuator at end-stop (e.g. LS or LSD limit switch). If there is a risk of overloading the actuator, the mains supply must be equipped with a safety device against overloading (e.g. a CS16 PCB). If this requirement is not observed, the actuator may be damaged.

JUMBO system (special information):

The LINAK JUMBO system is specially developed for patient lifts, offering various combinations of actuators and control boxes.

Connecting the system:

Mount the mounting bracket (MBJ) to the application. Mount control box and battery (and charger (CHJ2) if equipped).

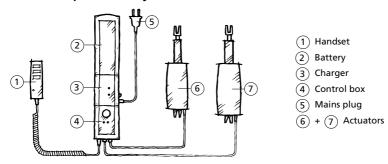
If it is a JUMBO Home system mount the control box on the application (no mounting bracket is needed). Only vertical mounting allowed (connectors facing downwards).

Connect the handset to the control box. The connection in the control box is marked with "HB".

Connect the actuators to the control box. Each channel is marked with a number (e.g. "1", "2"). Channel "1" has always to be used for the High / Low (Lifting) function.

The actuators can now be operated by pushing a button on the handset. Use only one button at the time.

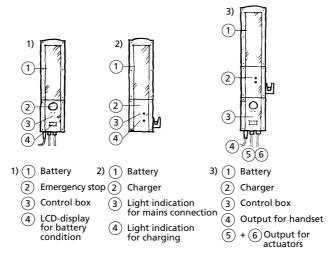
Example of JUMBO patient lift system



System components:

Actuators, types LA28, LA32, LA34, LA44 Control Box, type CBJ1/CBJ2 Batteries, types BAJ1, BAJ2 Handsets, types HB5, HB7, HB8 Battery Charger CH01

Configuration of the JUMBO System



JUMBO Home System



2. Information on start-up, de-installation and operation:

Before installation, de-installation, or troubleshooting:

- Stop the actuator/lifting column.
- Switch off the power supply or pull out the mains plug and pull out the plug to the the actuator/lifting column.
- Relieve the actuator/lifting column of any loads, which may be released during the work.

Prior to first use of LINAK batteries, please make sure that they are being charged 24 hours in order to reach proper function and prolong the lifetime of the batteries.

Before start-up:

- Make sure that the system has been installed as instructed in the User Manual.
- The individual parts (actuator/lifting column/handsets etc.) must be connected before the control box is connected to the mains.
- Make sure that the voltage of the mains to be connected to the product or the system is the one stated on the label.
- Make sure that the actuator/lifting column is connected to a mains electricity supply/ transformer with the correct voltage and which is dimensioned and adapted for the actuator in question.
- The equipment can be freely moved over the actuator/lifting column's whole working area.
- Check correct function after mounting.
- The actuator/lifting column must not be loaded in excess of the values indicated in the specifications on the product label.
- The duty cycle noted on the product label must always be noted. Otherwise there is a risk of damaging the products. Exceeding the duty cycle will result in a dramatic reduction of the life time of the system. Unless specified otherwise on the product label the duty cycle is max. 10%: Max. 2 minutes in use followed by 18 minutes not in use.
- The actuator/lifting column system may only be used in an environment corresponding to the system's IP-rating. LINAK products are marked with the actual IP-rating on the label.

During operation:

- Listen for unusual sounds and watch out for uneven running. Stop the actuator/lifting column immediately if anything unusual is observed.
- If the control box makes unusual noises or smells, switch off the mains voltage immediately and the external battery, if any.
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before it is moved.

Troubleshooting

Actuators/lifting columns Symptom	Possible cause	Action
No motor sound or movement of piston rod	- The actuator is not connnected to the control box - Blown fuse in the control box - Cable damaged	- Connect the actuator to the control box - Fuse must be changed - Send actuator for repair
Excessive electricity Consumption		- Send actuator for repair
Motor runs but spindle does not move	- Gear wheel or spindle damaged	- Send actuator for repair
Actuator cannot lift full load	- Clutch is worn - Motor is damaged	- Send actuator for repair
Motor sound but no movement of piston rod		- Send actuator for repair
No signal from Reed or Hall switch		- Send actuator for repair
Motor runs and quick release does not function or is noisy	- Declutching arm turns less than approx. 75°	- Adjust cable
Piston rod will only move inwards and not outwards	- Safety nut has operated	- Send actuator for repair
Motor runs too slowly or does not give full force	- Insufficient power supply - Voltage drop in cable	- Increase power supply - Thicker cable

Electronics

Symptom	Possible cause	Action
Power indicator does not light up	- Not connected to mains	- Connect to mains
	- The fuse has blown	- Replace fuse, if the system is prepared for external fuse replacement, or send the system for repair
	- Defective power cable	On control boxes with exchangeable power cable change the cable.On control boxes with fixed cable send it for repair
	- Control box defective	- Send control box for repair
Power indicator lights up, but actuator does not run	- Actuator plug not pushed into control box properly	- Push actuator plug into control box properly
Relays in control box are heard clicking	- Actuator defective	Replace actuatorControl box defectiveReplace the control box
Power indicator lights up, but actuator does not run	- Control box defective	- Send control box for repair
No relay noise is heard from control box Not valid for CB20/CB6S OBF/CB16 OBF	- Handset defective	- Send handset for repair
Control box completely dead	- Battery completely flat	- Charge battery
on battery and no relay clicking is heard	- Battery defective	- Replace battery
Actuator does not run on battery, but relay clicking is heard	- Actuator plug not properly pushed into control box	- Push actuator plug properly into control box
	- Actuator defective	- Replace actuator
	- Control box defective	- Replace control box
Control box okay apart from one direction on one channel	- Handset defective - Control box defective	- Send handset for repair - Send control box for repair

3. Information on specific actuators:

1. LA12 (TECHLINE™)



Thanks to the small size and outstanding performance, the LA12 actuator provides a practical and cost-effective alternative to traditional pneumatic systems and gear motors.

The LA12 is ideal for automating industrial and agricultural machines, feeding, ventilation systems troughs and many other applications requiring short linear movement.

Installation instructions

The actuators model LA12 must be installed in a fixed position.

Reed-switch:

Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

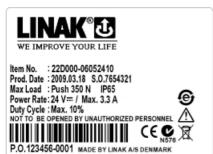
Regarding Reed-switch connection, see Figure 6.4 (LA12R)

If the LA12 actuator is mounted in an application where a mechanical stop prevents the installed end-stop switches in LA12 from being activated, the LA12 actuator must be equipped either with an electrical safety device, a timer or an electronic limit switch. Therefore, please contact your nearest LINAK dealer for technical data.

Built-in end-stop circuit

The end-stop switch is part of the actuator construction. Each time the actuator reaches end-stop position the switch is activated and the current is cut off.

2. LA22 (MEDLINE® CARELINE® TECHLINE™)



The LA22 is an in-line actuator specially designed with a small overall dimension for easy use in industrial, agricultural, and rehabilitation products.

Thanks to its small outer dimensions and linear design, the LA22 is well suited for applications where installation space is limited, such as on wheelchairs.

3. LA27 (MEDLINE® CARELINE® HOMELINE®)



The LA27 actuator is a powerful actuator designed for applications such as furniture and care beds.

Built-in end-stop circuit (CS27)

In the LA27/CS27 the actuator is switched off at the end position. There is no overload protection.

 The LA27CS27 has no IP classification and is connected to a HB71 or HB72. The power supply is the TR6 or TR7.

It is important that the supply voltage 24 VDC is connected correctly (see *Figure 6.7*) otherwise the CS-circuit may be destroyed.

Mechanical spline:

The splines function so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push.

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

Quick Release:

The LA27 with QR is designed to be used as a part of the backrest function in a Care/ Hospital bed. The QR function allows a patient to be lowered manually to a flat position very quickly (CPR) in case of an emergency.

Functional test of QR:

To test a LA27QR it is necessarry to have the actuator built into an application. The release cable has to be provided and mounted by the customer.

The necesarry force on the cable requiered to operate the Quick Release is approx. 20 kg. The necesarry force on the actuator to operate the quick release is approx. 50 kg. Wenn operating the QR, it is recommended that the QR is activated all the way down.

Warning!

If the actuator does not work as described above, the risk of injury due to squeezing can arise. The actuator must therefore immediately be sent for service at the nearest, authorised LINAK workshop.

Warning!

The actuator must not be used in pull applications when the quick release is activated, as the risk of personal injury can arise.

4. LA28 (MEDLINE® CARELINE® TECHLINE™)



The LA28 is primarily a system actuator. The actuator is very quiet and powerful designed for use in the furniture, rehabilitation, and hospital bed line of businesses.

The actuator is also ideal for use in agricultural machinery and for a wide range of industrial applications.

Reed-switch:

Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, Figure 6.8 (LA28R)

Built-in end-stop circuit (CS28/CS28S)

In the LA28 actuator, with built-in CS28 A-, B- or C-PCB, the actuator is switched off at the end position or when overloaded.

LA28 actuator with:

- The CS28 A is standard IPX1 and is connected to a HB41 handset with a telephone plug.
- The CS28 B is standard IPX5 and is connected to a HB41 handset with a DIN plug.
 CS32 B is also available in IPX6.
- The CS28 C is standard IP51 and is connected to an external contact or control.
 See figure 6.7.

Mechanical spline:

The splines function so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push.

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

5. LA29 (HOMELINE®)



The LA29 actuator is a HOMELINE® actuator, specially made for domestic applications like recliners.

The actuator has a very short installation dimension as the distance between the two fixing points is small when the actuator is retracted and at the same time independent of the stroke length.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

Built-in end-stop circuit

The end-stop switch is part of the actuator construction. Each time the actuator reaches end-stop position the switch is activated and the current is cut off.

6. LA30 (MEDLINE® CARELINE® TECHLINE™)



The LA30 is a powerful actuator yet small enough to fit most applications.

The actuator can be supplied with options such as built-in potentiometer for servo operation or an extra powerful motor for increased speed and strength (S-motor).

In addition to industrial and agricultural applications, the actuator is also ideal for positioning satellite dishes.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

Mechanical spline:

The splines function so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push. See *Figure 8*.

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

7. LA31 (MEDLINE® CARELINE® TECHLINE™ HOMELINE® DESKLINE®)



The LA31 actuator is a very quiet and powerful actuator designed for a variety of applications such as furniture, care, or hospital beds.

The standard LA31 actuator is available for both the HOMELINE®, CARELINE®, TECHLINE™ and DESKLINE® product ranges.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

Hall

The Hall principle is very similar to the Reed principle. A Hall sensor is based on a magnet that rotates. Two hall sensors are placed close to the magnet field. The control box (CB20/ CB6S OBF/CB16 OBF) can detect whenever the magnetic field changes direction. The two Hall-sensors are placed close to each other, but with a small displacement. This distance leads to a timing difference between the two pulses. Whichever one of them comes first indicates the direction of movement. Therefore, there will be no error summary (as with the reed-switch) Hall is therefore a very precise system. Hall is not suitable for use in quick release/freewhelling actuators. see figure 10.

Built-in end-stop circuit

In the actuators mentioned the end-stop switch is part of the actuator construction. Each time the actuator reaches end-stop position, the switch is activated and the current is cut off

Ouick Release

The quick release function is placed in the piston rod end, in which a wrappedspring clutch can be loosened by means of turning the spring housing either by the handle or a cable. Hereafter, the inner tube can turn freely and due to the pressure on the piston rod end from the application, the inner tube will rotate and thus screw itself downwards.

Warning!

If the actuator does not work as described above, the risk of injury due to squeezing can arise. Therefore, the actuator must immediately be sent for service at the nearest, authorised LINAK workshop.

Warning!

The actuator must not be used in pull applications when the quick release is activated, as the risk of personal injury can arise.

Internal Quick Release:

The LA31 with QR is designed to be used as a part of the backrest function in a Care/ Hospital bed. The QR function allowes a patient to be lowered manually to a flat position very quickly (CPR) in case of an emergency.

New version of quick release.

The new version of the Quick Release is integrated in the clutch of the LA31.

It operates by way of a release cable that is pulled. Hereafter, the clutch is declutched and the spindle can turn freely. Due to the pressure on the piston rod end from the application, the spindle will rotate thus moving the actuator inwards.

Due to this new version the LA31 actuator can keep its standard installation dimension and has a protection class up to IPX6 washable.

The quick release is e.g. used for emergency lowering of the headrest part of a bed.

Functional test of QR:

To test a LA31QR it is necesarry to have the actuator built into an application. The release cable has to be provided and mounted by the customer. The necesarry force on the cable requiered to operate the Quick release is approx. 5 kg. The necesarry force on the actuator to operate the quick release is approx. 50 kg. Wenn operating the QR, it is recommended that the QR is activated all the way down.

Mechanical spline:

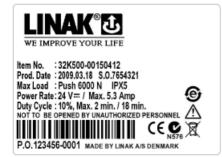
The splines functions so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push. See figure 8.

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

8. LA32 (MEDLINE® TECHLINE™)



The LA32 actuator is a powerful actuator that can be supplied with a ball screw spindle to give outstanding performance. The ideal choice for a wide range of applications including adjustment of hospital beds.

The LA32 actuator has many special options including a safety nut, splines, quick release (F) and an optional protection up to IPX6 standard.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

Freewheeling of piston rod

All LA32 actuators with freewheeling as well as with quick release have the designation W on the label.

The function causes the following:

- The piston rod can be pulled out with a thrust of approx. 300 N and it remains in the new position without declutching.
- The actuator cannot pull, but only push.

Functional test:

It must be possible to pull the piston rod out with a thrust of approx.

300 N and it must remain in the new position without releasing. If this is not possible, contact your nearest LINAK dealer.

Built-in end-stop circuit (CS32)

In the LA32 actuators, with built-in CS32 A-, B- or C-PCB, the actuator is switched off at the end position or when overloaded.

LA32 actuator with:

- The CS32 A is standard IPX1 and is connected to a HB41 handset with a telephone plug.
- The CS32 B is standard IPX5 and is connected to a HB41 handset with a DIN plug.
 CS32 B is also available in IPX6.
- The CS32 C is standard IPX1 and is connected to an external contact or control.
 See Figure 6.7.

Mechanical spline:

The splines function so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push. **See figure 8.**

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

Electrical splines:

In the rear fixture on the actuator, a microswitch is fitted, which turns off the motor, if the actuator is exposed to pull forces.

Functional test of electrical splines

When the actuator is correctly fixed/mounted, the inward movement of the piston must stop, when the actuator is pulled or the movement is blocked, so that the back fixture is not put under undue stress/tension. For mounting, see *Figure 7*.

Ouick release

When the quick release arm, see *Figure 9*, is turned counter clockwise approx. 75° and fixed here, the piston rod is released and can now be pressed in to its innermost position or pulled out to its outermost position. When the quick release arm is released, the arm turns back and the actuator functions normally again. The cable must not be tight.

Warning!

If the actuator does not work as described above, the risk of injury due to squeezing can arise. Therefore, the actuator must immediately be sent for service at the nearest, authorised LINAK workshop.

Warning!

The actuator must not be used in pull applications when the quick release is activated, as the risk of personal injury can arise.

9. LA34 (MEDLINE® TECHLINE™)



The LA34 actuator is a technological state-of-theart actuator that, due to its innovative construction can push up to 10,000 N at a speed of 5 mm/sec. and with a power consumption of approx. 7 Amp.

Its compact design, the outstanding performance and a wide range of safety options makes LA34 the right choice for a variety of medical and industrial applications.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

If the LA34 actuator is used in connection with a non-LINAK power supply the system must be equipped with current trip cut-off.

Adjustment of the installation dimension N

As standard the installation dimension on the LA34 actuator can be manually adjusted by +4/-0 mm (not possible for mechanical splines). The adjustment of the installation dimension must only be made without use of tools only, or hand). It is not allowed to use tools to adjust the installation dimension of the LA34 actuator as there is a risk that the inner tube may be unscrewed.

Hall

The Hall principle is very similar to the Reed principle. It is a control box, which based on Hall signals, can decide whether the actuator runs out or in. Hall, however, can detect whether the actuator runs in or out. The number of pulses is like Reed. Hall and Reed are placed opposite the potentiometer on the actuator's worm wheel. Therefore, it is not suitable for use in quick release /free wheelingactuators. see *figure 10*.

Potentiometer

The potentiometer function is mechanically attached to the spindle and registers the number of spindle revolutions. The signal from the potentiometer is measured in Ohm, where the lowest value is measured when the actuator has been run into inward switch stop. The potentiometer is a 10-turn and therefore it is dependent on the stroke length/spindle pitch. see *figure 6.5*

Mechanical spline:

The splines function so that the actuator can only push, not pull.

During pull in the actuator, the inner tube is lifted off the thread bush, and the actuator can therefore never pull a load, only push. See *Figure 8*.

Functional test of mechanical splines:

When the piston rod is at the innermost position, it must be possible to pull it out manually to its full travel length and to press it in again without much resistance and without using the motor. If this is not possible, contact your nearest LINAK dealer.

Electrical splines:

In the rear fixture on the actuator, a microswitch is fitted, which turns off the motor, if the actuator is exposed to pull forces.

Functional test of electrical splines

It is important that the actuator is correctly fixed with regard to the section on page 11. For mounting, see *Figure 7*.

When the actuator is correctly fixed/mounted, the inward movement of the piston must stop, when the actuator is pulled or the movement is blocked, so that the back fixture is not put under undue stress/tension.

Ouick release

LA34 (34xxxF/H) is equipped with a function which permits operation of the actuator should the power source fail. Condition for functioning: the actuator must be loaded in push direction (LA34xxxF) or pull direction (LA34xxxsH).

Warning!

If the actuator does not work as described above, the risk of injury due to squeezing can arise. Therefore, the actuator must be sent immediately for service at the nearest, authorised LINAK workshop.

Warning!

The actuator must not be used in pull applications when the quick release is activated, as the risk of personal injury can arise.

Activation of quick release

Pull the release handle in the direction of the piston rod eye (outwards), the harder you pull the button the quicker the actuator runs down. When releasing the button the emergency lowering stops immediately. The emergency lowering is activated as long as the load on the actuator is above 100-150 kg. The actuator is ready for normal use when the emergency lowering is finished.

Safety device regarding functional failure of the nut (Safety nut):

The LA34 has a built-in safety nut in push as standard and is available with a safety nut in pull as an option. Actuators with safety nut in push can only function when used in push applications. The safety nut comes into operation should the main nut fail. Afterwards it is only possible to drive the actuator into the innermost position. Safety nut in pull is for pull applications and works the opposite way as described above. Thereafter, the actuator will not function any more and must be sent for service.

Built-in end-stop circuit

In the actuators mentioned the end-stop switch is part of the actuator construction. Each time the actuator reaches end-stop position, the switch is activated and the current is cut off.

10. LA44 (MEDLINE® CARELINE®)



The LA44 is a technological state-of-the-art actuator with a refreshing new design, that due to its innovative contraction, can push up to 12000N at a speed of 5 mm/sec. (24V DC). Its compact design and outstanding performance makes the LA44 the right choice for patient lifts and a future variety of medical and industrial applications. The LA44 complies with the increased requirements (e.g. load and no. of cycles) of the latest revision of EN ISO 10535:2006.

Built-in end-stop switches

The end-stop switch is part of the actuator construction. Each time the actuator reaches end-stop position, the switch is activated and the current is cut off.

Mechanical Spline

The Spline functions so that the actuator can only push, not pull.

Precautions:

- Power supply without current cut-off can cause serious damage to the actuator if a mechanical stop is encountered or the actuator movement is blocked in another way.
- If there is a risk of "pull forces" in the application, the actuator must be equipped with mechanical or El-spline to avoid damage in pull.

Manual lowering:



Fig. 1. Manual Lowering

In case of a power failure it is possible to mechanically lower a patient placed in a patient lift.

When turning the manual lowering handle clockwise the actuator can be moved fully inwards.

Fitting the plug/smart cable lock



Fig. 1



Fig. 2

Step 1: The three flanges in this position indicate that the "smart cable locking" device is in the unlocked position.

Step 2: Position and press the cable plug into the socket.



Fig. 3

Step 3:

Hold around the lock flanges and turn the lock part clockwise.

The cable is fully locked when turned 90°.

Unlocking the plug/smart cable lock

Flanges in locked position

Press here with tool

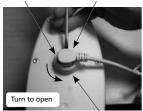


Fig. 1

No tap on this side

Unlocking the cable lock

Using a tool, release the lock (must be from the side shown) by pushing the tap (through the small slot in the side of the lock). At the same time, turn the lock counter-clockwise to release the plug connection.

Back fixture adjustment:

The following pictures illustrate how the back fixture can be turned 90°.



Fig. 1

Step 1. Remove all screws

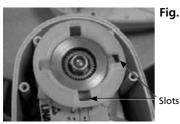
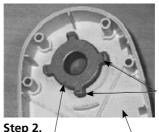


Fig. 3

Step 3. Fixture for back fixture - the 4 taps of the back fixture must fit into the 4 slots shown in the plastic fixture.



Taps

Back fixture and LA44 housing viewed from inside, showing the 4 taps.

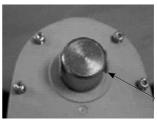


Fig. 4

Fig. 2

Turned 90° compared to fig.1

Step 4.

Now turn the back fixture to the required position, and fit the taps into the slots, reassemble the housing using all the screws. Tightening with a torque of 2 ± 0.25 Nm. The opening and turning of the back fixture assembly can affect the IP degree.



The turning of the back fixture can affect the IP-degree. The customer takes full responsibility for the IP-degree when opening the actuator and turning the back fixture.



Warnings!

- The actuator must not be subject to a sideways load, as this can cause bending. It is also for this reason that the actuator should not be used as a handle.
- The actuator must not be subject to moment loading, as this can damage the actuator.
- The actuator must not be subject to impact or blows, or any other form of stress to the casing.
- The actuator must not be subject to overload, as this can reduce the lifetime of the actuator and in the worst case cause damage to the actuator.
- The LA44 must not be used in pull applications, as this can cause collapse.
- Do not hold the inner or outer tubes when the actuator is running due to danger of squeezing.



Recommendations

- It is recommended that the actuator is serviced according to the relevant national norms for the applications in which the actuator is used.
- Connection bolts must be dimensioned so that they have the necessary strength in order to obtain the minimum safety factor according to the requirements of the authorities.
- Connection bolts and brackets are to be inspected in connection with service, and must be replaced if there are signs of wear and tear.
- The safety function: Electrical Spline, should be checked in connection with service.
 The function is checked by applying a straight pull, of max. 100 N, to the back fixture.
 - The actuator must not be able to run in an inward direction. Hereafter press the back fixture against the housing and the actuator can run in an inward direction.
- The actuator should be cleaned regularly, in order to maintain a good hygiene.

4. Information on specific columns:

1. BB3 (MEDLINE® CARELINE®)



The BB3 3-part telescopic actuator is the ideal choice for vertical lift of beds where design and easy integration in the customer's guidance ensures optimum freedom of design.

The BB3 is a 3-part telescopic actuator designed to meet EN 1970 for care beds, which demands an adjustment range from 350 mm up to 750 mm.

Reed-switch:

The Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform you of the number of pulses per stroke length.

Regarding reed-switch connection, see Figure 6.10.

- The columns must be securely mounted before operation, no rotation must be possible
- The motor housing must be mounted uppermost.

2. BL1 (MEDLINE® CARELINE®)



The BL1 is a 3-part lifting column specially designed for hospital and care beds; the BL1 can of course be used for other applications where a compact lifting column with a long stroke length is needed. The lifting column has an build-in open spindle actuator with a chain drive which is practically noiseless. The specifications comply with the demands to the lifting functions in beds as to load, speed and stroke length.

3. BL4 (MEDLINE® CARELINE®)



The BL4 is a 4-part lifting column specially designed for hospital and care beds; the BL4 can of course be used for other applications where a compact lifting column with a long stroke length is needed.

The lifting column is based on the BB3 actuator, which is practically noiseless. The specifications comply with the demands to the lifting functions in beds as to load, speed and stroke length.

Reed-switch:

Reed-switch gives a number of pulses for each rotation of the motor. These pulses are used to calculate the piston rod's position as well as to control several actuators running in parallel.

Your nearest LINAK dealer can inform the number of pulses per stroke length.

Regarding Reed-switch connection, see Figure 6.10.

- There are mounting holes in the endplates and motor housing
- The columns must be securely mounted before operation, no rotation must be possible
- The motor housing must be mounted uppermost
- The mounting bracket tension must be adjusted correctly

4. LC2 (MEDLINE® CARELINE® TECHLINE™)



The LC2 column is an update of the LP2 programme. It has an improved "twisting" stability and end-stop switches as standard.

The column is designed to be used in a vertical position and only for lifting purposes. It is not possible to use the column in any kind of "pull" application.

Depending on the application, the LC2 can be operated either as a single column or several columns in a parallel system by choosing a control box with microprocessor.

It is designed to provide vertical lifting (push only) where simultaneous bending and torsion moments may occur.

5. LP2 (MEDLINE® CARELINE® TECHLINE™)



The LP2 range of vertical lifting columns is ideal where vertical positioning of substantial loads is required.

The design allows the LP2 range to be built in a complete motion control system simply by adding a suitable LINAK control box and handset.

Advanced design and high quality construction allows the column to be operated either as single or parallel with up to a maximum of four units and/or with a memory function.

The LP2 lifting column is the ideal choice for duties such as height adjustment on computer workstations, work benches, or a wide selection of other duties.

- There are mounting holes in the end plates.
- The largest profile must be mounted uppermost.

6. LP3 (MEDLINE® CARELINE® TECHLINE™)



The LP3 is developed for vertical lifts and can resist a bending moment by virtue of the effective telescopic system.

The lifting column is designed for applications where a small installation dimension is requested without compromising the lifting capacity.

The LP3 is characterised by having a lower installation dimension proportional to the stroke length compared to the LP2. The LP3 can also attain a higher speed than the LP2.

The telescopic column is compatible with LINAK's control boxes and can run individually; as 2 x LP3 parallel and/or with memory.

The LP3 is the perfect choice for height adjustment on dental, gynaecologist, and wheelchairs as well as for operating, office and working benches etc.



The column can only be loaded with the maximum bending moment over the first 80% of the stroke. The maximum bending moment will be reduced to 50%.



The column must be mounted with the largest profile uppermost!

- There are mounting holes in the end plates.
- The largest profile must be mounted uppermost.

5. Information on specific control boxes:

Please be aware if the control box is not visible after mounting, all information regarding limitation of use shall be marked on the end product.

Output voltage

On control boxes connected to the mains the voltage of the actuator output is dependent on load, and the no-load voltage can reach 50 V. Control boxes connected to a battery can reach a voltage of 30 V during charging and no load.

For all control boxes with battery

Prior to first use of LINAK batteries, please make sure that they are being charged 24 hours in order to reach proper function and prolong the lifetime of the batteries.

Warning!

Please observe the following maintenance, replacement, and disposal requirements to ensure a safe and reliable operation.

Maintenance of batteries

The batteries are to be replaced after 4 years at the latest. Perhaps earlier, dependent on the pattern of use. Frequent and high-powered discharges reduce the battery life. For an optimum lifetime the product must be connected to the mains voltage as often as possible. The batteries must be charged at least every 3rd month - otherwise they will be damaged in due to self-discharge. It is recommended to test the battery function at least once every year.

Replacement of batteries

The batteries must only be replaced by the same type of batteries or mechanical and electrical equivalent types.

The batteries must be new or maintained by means of charging at least every 3rd month. The batteries, which make a set, must be supplied with identical production codes. Mismatching of production codes may lead to a severely reduced life time expectancy.

Before mounting ensure that the battery set is correctly connected, compare with the drawing in the battery room, and check that no connectors are loose.

Warnings!

From the factory the battery room is hermatically separated from the electronics room. When replacing the batteries this separation must not be damaged or modified as this may allow penetration of battery gas into the electronics room with risk of explosion.

When replacing batteries in waterproof products (IPX5 and IPX6) precautions must be taken that the sealing material (silicone ring or joint filler) is not damaged and that it is correctly placed in the groove. Hereafter the screws in the cover are to be fastened with appox. 1 Nm. If the seal is damaged it must be replaced by a new silicone string (LINAK article no. 0008004 for a roll of 100 metres).

Disposal

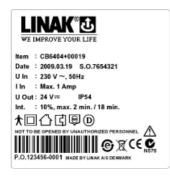
The batteries, which are lead-acid batteries, can be returned to LINAK or disposed in the same way as car batteries.

Warnings!

The battery room is supplied with ventilation that ensures correct and necessary airing of the battery room. This airing must not be blocked or covered as a positive pressure may occur with risk of explosion.

If the product has been exposed to mechanical overload (lost on the floor, collision/squeezing in the application or a powerful stroke) the product must be sent to an authorised workshop for control of the hermetic separation between the battery and electronics rooms.

1. CB6 (HOMELINE®)



The CB6 control box has been specially developed for use together with LA27 actuator in the care and rehab industry.

The control box is designed to be mounted on the actuator LA27 as with the CB9 and LA31 system.

The CB6 control box has a LED power ON indicator, detachable mains cable and strain relief for all cables.

The control box CB6 communicates with the LA27 actuator by means of the built-in end stop signal switches in the actuator. Due to the signal switches the power to the motor will be cut off in the control box and not in the actuator.

This ensures that it is only possible to run in the opposite direction once the actuator has reached the end position.

2. CB6S (CARELINE®)



CB6S is part of the LINAK OPENBUSTM product range – that provides more flexible solutions no matter which actuator concept is preferred. LA27C, LA31, LA34, BL1, BL4 with mini-fit plug and std. end-stop switch/signal switch are all supported. Please be aware the actuators must be used within their current limits in order to maintain proper use and full compatibility within a system.

Two versions are offered:

CB6 OBL and CB6 OBF

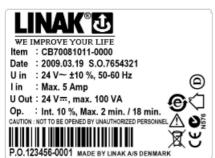
(OBL = OPENBUS Light; which is RELAY based and OBF = OPENBUS Full which is FET based).

Microprocessor

All control boxes with a microprocessor must be initialised before start-up. A description of the initialisation procedure can be obtained from your LINAK dealer.

If an actuator is replaced, the micro-processor always has to be initialised before use (actuators with reed/hall).

3. CB7 (CARELINE® TECHLINE™ HOMELINE®)



Compared to other LINAK control boxes the CB7 is very small and compact in design.

The CB7 is designed to slide onto an LA31 actuator for easy fitting e.g. in a recliner application where "mounting" space is limited.

The control box function is divided in two parts. The actual control box CB7, which slides onto the LA31 actuator and a separate external power supply transformer box TR6 or TR7, which can be wall mounted or placed on the floor moulding next to the mains.

The control box is only fitted with low voltage electronic components and the connection between the CB7 and transformer is via a 24 V power cable.

4. CB8-A (CARELINE® TECHLINE™)



The CB8-A is a battery powered control box operating up to 3 actuators individually. One of these channels can be used either as an emergency stop or for battery charging.

Simple design and high quality construction make the CB8-A an ideal control box choice for mains-free operation of beds, chairs, tables, and many other mobile applications.

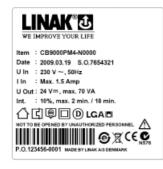
5. CB8-T (TECHLINE™)



The CB8-T is developed for use with LINAK A/S' actuators and handsets. The control box can operate up to 2 actuators individually.

The simple compact design combined with high quality makes the control box ideal for use with beds, chairs, tables, and many other applications.

6. CB9 (MEDLINE® CARELINE® HOMELINE®)



The CB9 has been developed for use in the Care & Rehab industry. The CB9 and the LA31 can be fully integrated, which saves mounting and wiring or be installed separately. The CARELINE® CB9 series is available as either analogue (Ax) or μ -processor based (Px) types.

CB9PF with mains cut-off

In standby mode the CB9PF with mains cut-off will typically switch off the power supply to the transformer for 3-4 hours, following which it will switch on the mains supply for approx. 3 sec. It will then be switched off again for 3-4 hours. If the control box has an internal/external battery, the power supply to the transformer will not be switched off until the battery is fully charged.

CB9 with mains cut-off

After 4-5 days with the mains connected, but without activating any functions, it may be necessary to switch of the mains for a couple of minutes, and then switch it on again. Each time the mains is switched off/on this period resets.

The unique feature of the mains cut-off is that it can also be switched on in building installations where, for example, the meter cupboard contains an electronic circuit which switches off the mains. The mains cut-off in the meter cupboard monitors the power consumption and disconnects the power supply when consumption is below a certain minimum. In such installations the CB9's own mains cut-off can typically be activated 4-5 days after the last activation. If this period is exceeded, the mains will have to be started by another load, e.g. a lamp, to charge the capacitor in the control box, following which the control box can be activated.

Microprocessor

All control boxes with a microprocessor must be initialised before start-up. A description of the initialisation procedure can be obtained from your LINAK dealer.

If an actuator is replaced, the micro-processor always has to be initialised before use (actuators with reed/hall).

External battery charger

If anything other than a LINAK® charger is used, it must conform to the following specifications: Charging voltage: 27.6 VDC ± 2% Charging current: < 300 mA.

7. CB12 (MEDLINE®)



The CB12 product range features three standard versions, which are ideal for a vast number of medical and industrial applications.

In general the CB12 is a transformer operated control unit, which can control up to 4 actuators. The control box features a range of built-in safety devices, increased current cut-off, EAS (Electronic Arc Suppression), and other options such as battery backup, earth outlet, wet alarm etc.

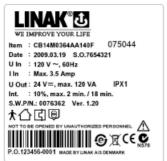
CB12F with mains cut-off

In standby mode the CB12F with mains cut-off will typically switch off the power supply to the transformer for 3-4 hours, following which it will switch on the mains supply for approx. 3 sec. It will then be switched off again for 3-4 hours. If the control box has an internal/external battery, the power supply to the transformer will not be switched off until the battery is fully charged.

External battery charger

If anything other than a LINAK® charger is used, it must conform to the following specifications: Charging voltage: 27.6 VDC ± 2% Charging current: < 300 mA

8. CB14 (MEDLINE® TECHLINE™)



The CB14 with microprocessor is developed for systems with a need to run up to five actuators or two actuators / lifting columns in parallel and / or with memory function.

The effective toroidal transformer and the many features such as battery backup, earth outlet, wet alarm makes the control box suitable for a variety of applications.

Memory position on CB14

When storing the memory position on CB14 the actuators must be run to the wanted position and the "store" button (S) must be pushed. Hereafter, the selected memory button (1, 2, or 3) must be activated within 2 seconds.

Microprocessor

All control boxes with a microprocessor must be initialized before start-up. A description of the initialisation procedure can be obtained from your LINAK dealer. If an actuator is replaced, the microprocessor always has to be initialised before use (actuators with reed/hall).

External battery charger

If anything other than a LINAK® charger is used, it must conform to the following specifications: Charging voltage: 27.6 VDC ± 2% Charging current: < 300 mA.

9. CB16 (MEDLINE®)



CB16 is part of the LINAK OPENBUS™ product range – that provides more flexible solutions no matter which actuator concept is preferred. LA27C, LA31, LA34, BL1, BL4 with mini-fit plug and standard end-stop switch /signal switch are all supported. Please be aware the actuators must be used within their current limits in order to maintain proper use and full compatibility within a system.

Two versions are offered:

CB16 OBL and CB16 OBF

(OBL = OPENBUS Light; which is RELAY based and OBF = OPENBUS Full which is FET based).

Microprocessor

All control boxes with a microprocessor must be initialised before start-up. A description of the initialisation procedure can be obtained from your LINAK dealer.

If an actuator is replaced, the micro-processor always has to be initialised before use (actuators with reed/hall).

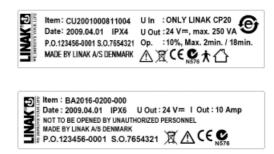
10. CB20 (MEDLINE®)

The CB20 is the platform for the future with a unique safety concept, logging of service data and it is possible to connect a variety of accessories to the control box.

The CB20 consists of 3 modules:

CP20 = Control Power, CU20 = Control Unit and BA20 = Battery.





To ensure the battery pack BA20 has max. efficiency the following must be complied with:

- The battery pack BA20 must be connected
- Mains voltage must be connected min. 12 hours before use.

Microprocessor

All control boxes with a microprocessor must be initialized before start-up. A description of the initialization procedure can be obtained from your LINAK dealer. If an actuator is replaced, the microprocessor always has to be initialized before use (actuators with reed/hall).

External battery charger

If anything other than a LINAK® charger is used, it must conform to the following specifications: Charging voltage: $27.6 \text{ VDC} \pm 2\%$ Charging current: < 300 mA.

11. CBR1 (MEDLINE® CARELINE® HOMELINE®)



The CBR1 has been developed for use together with the RA40 Rotary actuator. The CBR1 can be installed in the same profile as the RA40 Rotary actuator thus saving mounting and wiring.

6. Information on specific controls:

1. ACC (MEDLINE® CARELINE® OPENBUS)



The ACC (Attendant Control Compact) is fitted to advanced hospital and patient care beds for use where patient positioning must be carefully controlled by medical staff.

2. ACK (MEDLINE® CARELINE®)



The OPENBUS™ system makes it possible to use keypads as Attendant Controls or Handsets integrated in the bed side rails. The keypads are named ACK (Attendant Control Keypads).

The protection class is dependent on customer design and testing.

3. ACL (CARELINE®)



The ACL (Attendant Control Lock) box is a one turn button box fitted to hospital and care beds for use where the patient positioning must be carefully controlled by the medical staff.

The ACL disconnects all functions on some handsets.

4. ACM (CARELINE®)



The ACM (Mini Attendant Control) box is fitted to hospital and care beds for use where patient positioning must be carefully controlled by the medical staff.

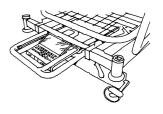
The compact design and simple operation makes it easy for the nursing staff to retain direct control over critical positioning functions whilst giving the patient a limited degree of adjustment.

5. ACP (CARELINE®)



The ACP (Attendant Control Panel) controller is fitted to advanced hospital and patient care beds for use where patient positioning must be carefully controlled by medical staff.

The ACP allows nursing staff to retain direct control over critical positioning functions while giving the patient a limited degree of adjustment.



6. ACO (MEDLINE® CARELINE® OPENBUS)



The ACO (Attendant Control OPENBUS) is a cost optimised and compact unit with up to 15 buttons that can be used as Handset keys or lock-outs.

The lock-out function can be made visable by using yellow LED's. The ACO is compatible with control boxes that use an OPENBUS™ interface i.e. CB6S, CB16 and CB20.

7. FS (MEDLINE® CARELINE®)



The Foot Switch is a modular system, developed for use together with some of LINAK control boxes.

The LINAK Foot Switch is designed for control of physiotherapeutic beds, hospital beds, dentist chairs, gynaecologist chairs, computer workstations, and working desks etc. It can also be used as a "stand alone" item for industrial applications.

Footswitch

Consist of: FS (a pedal unit) and FSE (electronics unit), which can activate one or more actuators. The module system can max. consist of two pedal units, a FSR (right pedal), a FSL (left pedal), and one electronics box.

8. FS2 (MEDLINE® CARELINE®)



The FS2 Foot Switch is developed for use together with some of LINAK control boxes and especially designed for mounting on a support plate.

The Foot Switch is available in a single and a double version. The double version can be used on a bed where one Foot Switch will be mounted on each side of the bed frame, thus enabling operation from both sides.

9. HB20 (MEDLINE® CARELINE® HOMELINE®)



The HB20 series combines ergonomic design with a wide range of functionalities such as memory and infrared communication. The handset series is compatible, via the IRO, with the OPENBUS™ product assortment.

10. HB40 (MEDLINE® CARELINE® TECHLINE™ HOMELINE®)

The HB40 series handsets are designed for use with most of LINAK control boxes. These sturdy compact units are ergonomically designed and ideal for a vast range of applications from patient care beds and office furniture to industrial and agricultural duties.

11 HB50 (MEDLINE® CARELINE® TECHLINE™)

The HB50 is primarily designed for the LINAK JUMBO system and most of LINAK control boxes with memory functions.

The HB50 gives the user access to a range of memory functions, allowing present positions to be stored. For use in a wide variety of hospital, patient care and industrial applications.

12. HB60 (MEDLINE® CARELINE® HOMELINE®)



The HB60 series is exclusively designed to be used together with the LINAK HOMELINE® system: LA31/LA29/LA28C/CB7 or CB9 with or without memory.

13. HB70 (MEDLINE® CARELINE® TECHLINE™)



LINAK offers the HB70 with protection class IPX6 as standard and a range of options such as control of up to 5 actuators, memory, and simultaneous drive. The HB70 is designed to operate with most LINAK control boxes.

14. HB80 (MEDLINE® CARELINE®)



The HB80 is a new handset with an optimised ergonomic design and switch activation.

The HB80 handset is designed in 2 versions.

15. HL70 (MEDLINE® CARELINE®)



The HL70 is a handset with integrated locking function, where a selective locking of the different functions is available by use of a special key. The HL70 is an alternative to the HB70 combined with an attendant Control Panel (ACM, ACL, etc.).

16. HL80 (CARELINE®)



The HL80 is a new handset with an optimised ergonomic design and switch activations.

The HL80 is a lockable handset, which makes it possible to lock or unlock one or several functions.

Warnings and Recommendation for HL80, HB80 and HD80



Warnings!

- Clean the handset regularly to ensure good hygiene standards.
- When a defective Hx80 is replaced, check that the new Hx80 has exactly the same specification and functionality.
- Violent use of the key on HL80 can cause either damage to the keyhole or the key itself.
- When using the locking function on HL80 check that the handset switches are actually locked.
- Locking function on HL80 only locks the actual handset.
- Do not submerge the handset under water except IPx7.
- Unless otherwise specified or agreed by LINAK the Handset is only intended to be used on LINAK systems.
- Do not sit or lie on the handset. It can cause unintended movement of the bed.
- When changing handsets for OPENBUS™ the power must be switched off.



Recommendation

 It is recommended to check the handset and cable for damage and holes made by violent handling before washing the bed, or at least once a year.

17. IRO (MEDLINE® CARELINE®)



The IRO (Infrared Receiver OPENBUSTM) has been developed as a part of the accessory portfolio to be available for the CB OPENBUSTM family. The receiver is fitted to the bed so that the bed movement can be controlled with signals received from a remote control (C-type Transmitter).

18. LS (TECHLINE™)



There are two types of LINAK limit switches, for actuators type LA22, LA30, LA30S, LS, and LSD.

The LS type gives a signal in two fixed end positions, but requires a control unit to stop the actuator when the microswitches are activated.

19. LSD (TECHLINE™)



The LSD type controls the stroke length of the actuator between two fixed end positions by cutting off the current to the motor.

7. Information on specific JUMBO:

1. BAJ1 (MEDLINE® CARELINE®)



These battery packs have been specially developed for use with the JUMBO system.

The battery packs are easy to exchange through an integrated snap system.

The battery packs are easily mounted on the JUMBO mounting brackets.

A customised front cover is possible.

The BAJ1 has to be charged with a JUMBO charger CHJ2 or a JUMBO control box CBJ1 or CBJ2 with integrated charger.

The BAJ1 is ventilated through a breather hole on the backside of the housing.

2. BAJ2 (MEDLINE® CARELINE®)



These battery packs have been specially developed for use with the JUMBO system.

The battery packs are easy to exchange through an integrated snap system.

The battery packs are easily mounted on the JUMBO mounting brackets.

A customised front cover is possible.

The BAJ2 can be charged as the BAJ1, but can also be charged through an integrated DC-plug for use with charger CH08.

The BAJ2 is ventilated through a breather hole on the backside of the housing.

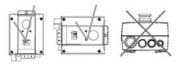
3. CBJ1/CBJ2 (MEDLINE® CARELINE®)



The control boxes CBJ1 and CBJ2 are part of the JUMBO system. JUMBO is a modular system combining an actuator, a control box (CBJ1/CBJ2), a battery (BAJ1/BAJ2), and a charger (CHJ2) in a flexible solution, specially developed for patient lifts.

The complete system is medically approved and contains a series of features, which meet the patients need for a safe and comfortable lift, e.g. CBJ1 and CBJ2 are equipped with a soft-start/stop function, emergency lowering function etc.

Mounting of CBJ1 and CBJ2:





The CBJ1 and CBJ2 with internal chargers are IPX4 when the shaver plug is connected.

4. CBJH (MEDLINE® CARELINE®)



The CBJ-HOME is a specially developed solution for patient lifts. The complete system consists of a control box and a battery enclosed in a single elegant module. The system will be medically approved and contains a series of features ensuring a safe

comfortable lift, e.g. the CBJ-HOME is equipped with a soft-start function, emergency lowering, emergency stop etc.

The CBJH-batteries are ventilated through a number of grill units on the backside of the housing.

Replacement of battery:

Only an authorised LINAK service centre should change a battery in a CBJH. If a CBJH is opened and a battery changed by an unauthorised personel there is a risk that it may malfunction at a later date.

Mounting of CBJH (only vertically)



5. COBO20 (MEDLINE®)



The COBO20 makes increased battery power available (compared to BA20). It is designed to be used with CU20 together with BAJ1 or BAJ2 (12V, 2.9 AH). It is also possible to use other battery types.

COBO20 with internal charger has a green and a yellow light. Green is ON when the COBO20 is connected to mains and the yellow is ON when charging. The yellow light shines constantly until the batteries are fully charged.

The COBO20 has an EMC approval.

Mounting of COBO20:

- COBO20 as to be mounted vertically to insure the IP protection
- The cable from COBO20 has to be mounted into the power input at CU20



Recommendations:

- If own battery package is used, a10A fuse must be added.
- It is recommended that the COBO20 is serviced according to the relevant national norms for the applications in which it is used, however all electrical parts must be checked at least once a year.
- The COBO20 should be cleaned regularly, in order to maintain good hygiene. It is not allowed to use chemicals to clean the box.
- Choose CU200xxxxx2xxxx if positioning/memory is to be used.
- Only use COBO20 together with CU20.
- After activation of emergency stop it can take up to 10 seconds before the system can be used again.

6. CH01 (MEDLINE® CARELINE®)

For charging the batteries of CB08-XA and all JUMBO control boxes, directly connected to the control box or via the handset HB40A.

For charging of the batteries in battery box BAJ2 (JUMBO system) and CBJH.

7. CH08 (MEDLINE®)



For charging of the batteries in the control box CB08-A, directly connected to the control box or via the handset HB40A.

For charging of the batteries in battery box BAJ2 (JUMBO system) and CBJH.

LINAK's product range covers several chargers. The CH08 can be used for the CBIH and CB8-A.

8. CHJ2 (MEDLINE® CARELINE®)



The charger CHJ2 has been specially designed for use as a wall-charger for the JUMBO system. The CHJ2 charger is a Switch Mode Power Supply (SMPS) version, which makes charging of the batteries more efficient.

The charging time for a BAJ1 or a BAJ2 battery pack is approx. 4 hours.

Mains voltage from 100 V AC - 240 V AC (50/60 Hz) is possible on same charger.

9. MBJ1/2/3 (MEDLINE® CARELINE®)

Depending on of what your JUMBO system consists you need to use one of the following three mounting brackets. IP protection is only valid when the JUMBO system is mounted vertically.

8. Information on specific accessories:

If the actuator is to be equipped with accessories, these must be specified when ordering the actuator from LINAK. There are the following possibilities:

1) TR6/TR7 External transformer

If the TR6 or TR7 fixed cable connection becomes damaged the transformer must be replaced.

1. BA18 (MEDLINE® CARELINE®)



Compatible with CB9, CB18-AT-version, CB12 BT version, and CB14 BT version.

The BA18 is exchangeable without opening the CB (BA18 is a separate box).

Ventilation of external batteries, BA18 - see Figure 1

Check at regular intervals that the ventilation stub is undamaged and intact. The construction of the ventilation stub permits battery gasses to get out, but it does not permit penetration of water.

2. CS16 (TECHLINE™)



The CS16 electronic limit switch is connected between the LINAK® actuator and a non-LINAK power supply, where it cuts out the current to the actuator in end position of if an obstacle is encountered. The PCB contains a variable current limit setting and is available in different versions, depending on the actuator with which it is to be used.

The CS16 should be connected between the linear actuator and the power supply, where it will switch off the power when the actuator reaches end position or if the actuator is overloaded.

As the CS16 are open PCB's, they have to be installed in an encapsulation to prevent damage. (LINAK® offers one type of encapsulation for CS16).

Adjustment of CS16

The CS16 has a rotary potentiometer for adjusting the value of the cut-off current. To obtain the correct cut-off current, connect the CS16 and turn the potentiometer as far as it will go/anticlock wise to set the maximum cut-off current.

Then subject the actuator to the maximum load it will be exposed to in the application. At the same time turn the potentiometer clockwise, reducing the cut-off current, until the actuator stops (not in end position).

Then turn the potentiometer approx. quarter of a turn anti-clockwise and the system is ready for use.

As the CS16 is a open PCB's, it have to be installed in an encapsulation to prevent damage. (LINAK $^{\circ}$ offers one type of encapsulation).

3. DJB (MEDLINE® CARELINE®)

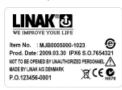


The DIN Junction Box is designed for use where there is a need for more than 1 or 2 controls to be connected to a control box.

The DIN Junction Box is constructed for connection of up to 4 controls with 8-pin DIN plugs. Furthermore, the box is constructed so that all channels for connection are placed on the same side of the box.

This gives the box a clean design and makes it easy to mount e.g. in a bed frame.

4. MJB (MEDLINE® CARELINE®)



The MJB (Modular Junction Box) is designed for use together with the CB20 and other OPENBUS™ control boxes.

The MJB makes it possible to connect handsets, attendant controls and accessories with the CB20/CB6S/CB16. The CB20 has 2 modular jack interfaces, but by using the MJB the connection possiblities are greatly increased. One "modular jack" channel is used for connecting to the control box.

5. SLS (MEDLINE® CARELINE®)



LINAK has designed a switch that can be mounted in connection with the 24V DC actuators: LA12, LA22, LA28, LA28S, LA31, LA32, or LA34 and a control box on e.g. a bed frame.

The Safety Limit Switch (SLS). The SLS Switch is primarily used as a Limit Switch in systems consisting of a control box, LA28/28S and/or LA32.

As an example the SLS can be installed on the actuator cable where it disconnects the actuator in either inward or outward direction when activated. The SLS can also be used as a signal control directly connected to a control box.

9. Repair and disposal

Repair

Only an authorised LINAK service centre should repair the LINAK actuator systems. Systems to be repaired under warranty must be sent to an authorised LINAK service centre.

In order to avoid the risk of malfunction, all actuator repairs must only be carried out by an authorised LINAK Service shop or repairers, as special tools and parts must be used.

If a system is opened by unauthorised personel there is a risk that it may malfunction at a later date.

Spare parts

LINAK can supply spindle parts and motor parts as spare parts. Please indicate the designation from the label when ordering spare parts from your nearest authorised LINAK dealer.

Disposal of LINAK's products

LINAK's products may be disposed of, possibly by dividing them into different waste groups for recycling or combustion.

We recommend that our product is disassembled as much as possible at the disposal and that you try to recycle it. As an example of main groups within sorting of waste we can mention the following.

Metal, plastic, cable scrap, combustible material and collection for recoverable resources.

Some of these main groups can be sub-divided into groups e.g. metal can be divided into steel and aluminum or plastic can be divided into ABS and PP.

As an example of sorting we show you below, which recycling groups the different components in LINAK's products should be placed into:

Product	Component	Recycling group
Actuator:	Spindle and motor Plastic housing Cable	Metal scrap Plastic recycling or combustion Cable scrap or combustion
Control box:	PC-board Plastic housing Cable Transformer Batteries	Electronics scrap Plastic recycling or combustion Cable scrap or combustion Metal scrap Recoverable resources
Control:	Plastic housing Cable PC-board	Plastic recycling or combustion Cable scrap or combustion Electronics scrap

By now nearly all our moulded plastic units are provided with an internal code for plastic types and fibre content, if any.

Main groups of disposal:

Product main type	Metal scrap	Cable scrap	Electronic scrap	Plastic recycling or combustion	Remark
ACC			Х	Х	
ACK		Х	Х	X	
ACL		Х	Х	X	
ACM		Х	Х	X	
ACP		Х	Х	Х	
ACO		Х	Х	X	
BA18				X	Battery
BA20			Х	X	Lead battery
BAJ1			Х		
BAJ2			Х		
BB3	Х				
BL1	Х				
BL4	Х				
CB12	Х		Х	X	
CB14	Х		Х	X	
CB16	Х		Х	X	
CB20	Х	Х	X	X	
CB6	Х		X	X	
CB6S	Х		X	X	
CB7			X	X	
CB8-A			Х		
CB8-T			X		
CB9	Х	Х	X	X	
CBJ1			Х		
CBJ2			X		
СВЈН			X		
CBR1			Χ		
CH08			X		
CHJ2			Х		
CS16		Х	X		
COBO20					
CP20	Х		X	X	
CU20			X	X	
DJB		Х	Χ	X	
FS	X	Х	Х	X	Metalscrap because of FSR + FSR

Product main type	Metal scrap	Cable scrap	Electronic scrap	Plastic recycling or combustion	Remark
FS2	Х	X	X	X	
HB20			X	X	
HB40		X	X	X	
HB50		X	X	X	
HB60		X	X	X	
HB70		X	X	X	
HL70		X	X	X	
HB80		X	X	X	
HL80		X	X	X	
IRO			X	X	
LA12	Х	X	X	X	
LA22	X	X		X	
LA27	X		X	X	
LA28	X	X	X	X	
LA29	X	X	X	X	
LA30	X	X		X	
LA31	X	X	X	X	
LA32	X				
LA34	X	X	X	X	
LA44	X	X	X	X	
LC2	aluminum extrusions, spindle, motor, end plates, fasteners	power cable, signal cable	РСВ	glide pads, retainer clips, top frame, PCB housing	
LP2	X	X			
LP3	X	X			
LS	X		Х	X	
LSD	Х	X	Х	X	
MBJ1/2/3	Х				
МЈВ			Х	X	
SLS		X	X	X	

_			
Pra	ctical	l into	rmation:

ACC Folie glued together with housing ACK No housing. Only folie with cable

ACL Cannot be opened since it is welded together. When the cable has been

cut-off it is disposed of as combustible waste

ACM Cannot be opened since it is welded together. When the cable has been

cut-off it is disposed of as combustible waste

ACP Screw together

ACO Folie glued together with housing

BA18

BA20 Welded together

BAJ1 Glued and screwed together BAJ2 Glued and screwed together

BB3 Outer tube (Alu) can be dismounted (screws)

BL1

BL4 Plastic housing and the BB3 inside can be dismounted (screws)

CB12 Screw together CB14 Screw together

CB20 Glued and welded together. Cannot be opend

CB6 Glued and screwed together
CB6S Glued and screwed together

CB7

CB8-A Screw together
CB8-T Screw together

CB9 Has to be unscrewed with a screw driver

CB16 Glued and screwed together
CBJ1 Glued and screwed together
CBJ2 Glued and screwed together
CBJH Glued and screwed together

CBR1

CH01 Welded together CH08 Welded together

CHJ2 Glued and screwed together

CS16 Screw together, cut off can be adjusted

COBO20

CP20 Glued and screwed together CU20 Glued and screwed together

DJB Cannot be opened since it is welded together. When the cable has been

cut-off it is disposed of as combustible waste

FS

FS2

62

HB20	
HB40	Screw together
HB50	Screw together
HB60	Screw together
HB70	Cannot be opened since it is welded together. When the cable has been cut-off it is disposed of as combustible waste
HL70	Cannot be opened since it is welded together. When the cable has been cut-off it is disposed of as combustible waste
HB80	Glued together
HL80	Glued together
IRO	Welded together
LA12	
LA22	Cannot be opened since it is glued together. When the cable has been cut-off it is disposed of as steel scrap
LA27	Cannot be opened since it is welded together.
LA28	The outer tube is glued in the motor base, but it can be unscrewed with a pipe wrench in a vice
LA29	
LA30	
LA31	
LA32	The outer tube is glued in the motor base, but it may be unscrewed with a pipe wrench in a vice
LA34	
LA44	
LC2	- LC2-2 uses an LA28 actuator and the LC2-5 uses an LA30 actuator
	- LC2 uses its own limit switch end-stop technology not the actuator current cut-off end-stop technology
	 LC2 assemblies should not be repeatedly disassembled because the screws are self-tapping and may compromise the fastener integrity
LP2	Lifting columns with gas spring may only be opened when they have run out to full stroke. They can be recognised by the 9 th figure, which is a "G" and by a warning label on the end plate
LP3	a warning laber on the end plate
LS	
LSD	
MBJ1/2/3	
MJB	Cannot be opened since it is welded together.
SLS	Cannot be opened since it is welded together. When the cable has been cut-off it is disposed of as combustible waste

Figure 1 Ventilation of external batteries, BA18

Check at regular intervals that the ventilation stub is undamaged and intact. The construction of the ventilation stub permits battery gasses to get out, but it does not permit penetration of water.

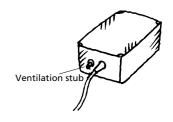


Figure 2

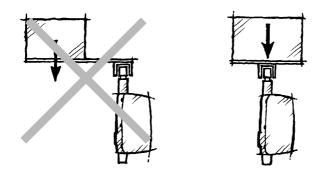


Figure 3

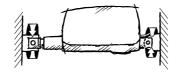


Figure 4

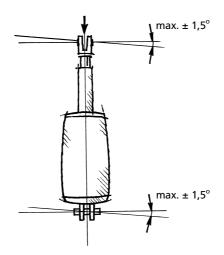
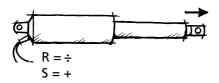


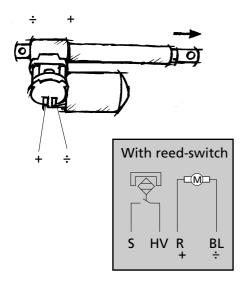
Figure 6

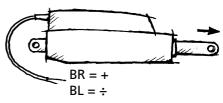
1) LA22

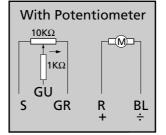


3) LA30 and 30S

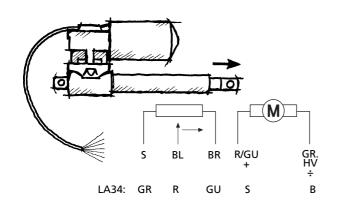
d 30S 4) LA12







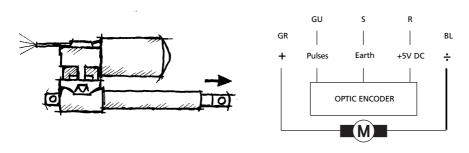
5) LA30, LA30S, LA32 and LA34 with potentiometer



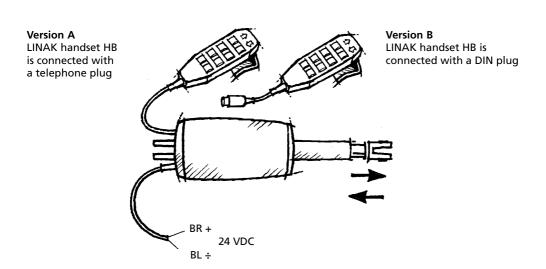
Colour codes:

co.ou.	coucs.
S	Black
BR	Brown
R	Red
0	Orange
GU	Yellow
G	Grey
BL	Blue
V	Purple
GR	Green
HV	White

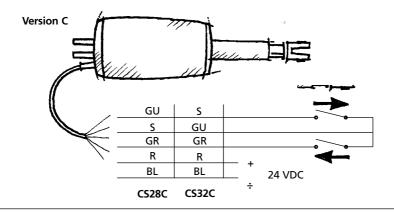
6) LA30, LA30S and LA32 with optical encoder



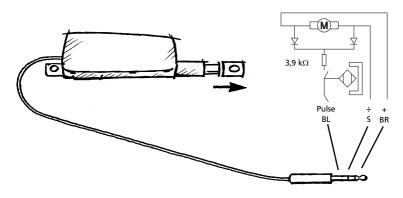
7A-B) LA28/28S/32 with CS28/28S/32 - PC-board version A and B

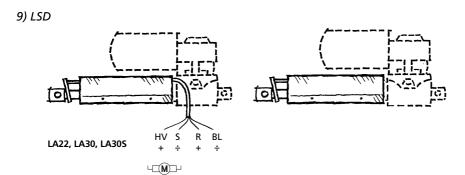


7C) LA28/28S/32 with CS28/28S/32 - PC-board version C

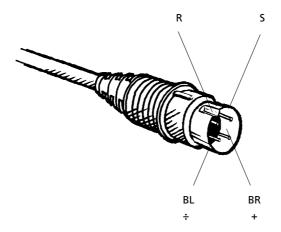


8) LA28, LA28S, LA32 with reed-switch and LA34 with pulse system

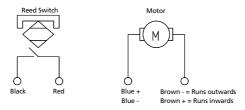




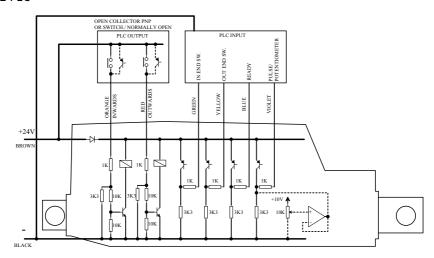
10) LA31, LA34 with electronic pulse coder (reed-switch)



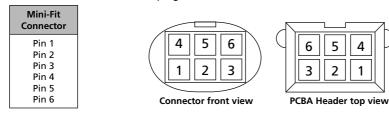
11) LA31 TECHLINE



12) LA12 PLC



13) Pin-connection for Mini-fit plug (valid for 13 and 14)



WITHOUT FEEDBACK

LA27 Mini-fit plug cable (LA27 standard; Valid for LA27 article numbers = 27xxxxxxxxxxxx0)

CH1-4 M	liniFit:
When a channel is operated UP (Motor connections)	3: Brown: + 6: Yellow: -
End-of-stroke switches	5: Orange: UP 4: Red: DOWN 2: Black: COMMON
Not Used	1: No Connection

(end of stroke = EOS)

LA31/LA34/BL1/BL4 Mini-fit plug cable

without Feedback

	EOS Switch
Pin 1	Switch com. (GND)
Pin 2	Vbus
Pin 3	M+ (Motor/Power)
Pin 4	EOS out
Pin 5	EOD in
Pin 6	M- (Motor/Power)

LA27 Mini-fit plug cable (Analog encoded without Hall)

without Feedback

Switch com. (GND)
Vbus
M+ (Motor/Power)
EOS out
EOD in

M- (Motor/Power)

WITH FEEDBACK

LA31/LA34/LA44/BL1 Mini-fit plug cable

with Feedback

	Hall
Pin 1	Hall GND
Pin 2	Vbus
Pin 3	M+ (Motor/Power)
Pin 4	Hall A
Pin 5	Hall B
Pin 6	M- (Motor/Power)

LA27 Mini-fit plug cable

with Feedback

Article numbers = 27xxxxxxxxxxxx

Hall
Hall com. (GND)
Vbus
M+ (Motor/Power)
EOS (analog)
Hall
M- (Motor/Power)

LA34/LA44 Mini-fit plug cable (potentiometer)

	Potentiometer
Pin 1	Pot GND
Pin 2	Vbus
Pin 3	M+ (Motor/Power)
Pin 4	Pot Position
Pin 5	Pot + (3V3)
Pin 6	M- (Motor/Power)

BL4 Mini-fit plug cable

Reed
Reed com. (GND) Vbus
M+ (Motor/Power) NC
Reed
M- (Motor/Power)

Figure 7 Figure 8

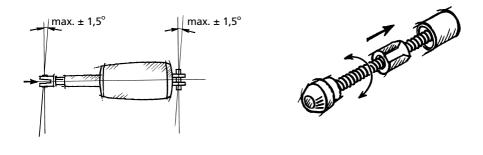


Figure 9

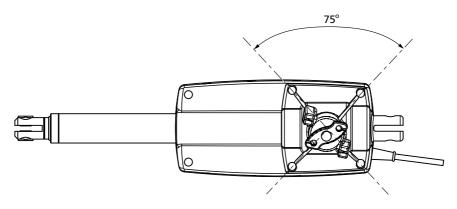
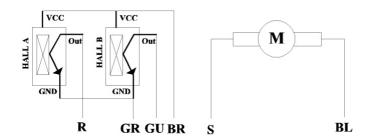


Figure 10



LINAK APPLICATION POLICY

The purpose of the application policy is to define areas of responsibilities in relation to applying a LINAK product defined as hardware, software, technical advice, etc. related to an existing or new customer application.

LINAK products as defined above are applicable for a wide range of applications within the Care and Health, Comfort furniture, Desk and Industry areas. Yet, LINAK cannot know all the conditions under which LINAK products will be installed, used, and operated, as each individual application is unique.

The suitability and functionality of the LINAK product and its performance under varying conditions (application, vibration, load, humidity, temperature, frequency, etc.) can only be verified by testing, and shall ultimately be the responsibility of the LINAK customer using any LINAK product. It is also the responsibility of the LINAK costumer to make and supply a comprehensive User Manual of the application.

LINAK shall be responsible solely that the LINAK products comply with the specifications set out by LINAK and it shall be the responsibility of the LINAK customer to ensure that the specific LINAK product can be used for the application in question.

LINAK (Shenzhen) Actuator Systems, Ltd. Phone: +86 755 8610 6656 · Fax: +86 755 8610 6990 E-mail: sales@linak.cn · www.linak.cn

LINAK A/S · Group Headquarters Guderup Phone: +45 73 15 15 15 · Fax: +45 74 45 80 48 Fax (Sales): +45 73 15 16 13

E-mail: info@linak.com · www.linak.com

SLOVAKIA

LINAK Slovakia s.r.o.

Phone: +421 517563 414 · Fax: +421 517563 410 E-mail: jp@linak.sk · www.linak.com

USA

LINAK U.S. Inc.

North and South American Headquarters Phone: +1 502 253 5595 : Fax: +1 502 253 5596 E-mail: info@linak-us.com · www.linak-us.com

SUBSIDIARIES

AUSTRALIA

LINAK Australia Pty. Ltd

Phone: +61 3 8796 9777 · Fax: +61 3 8796 9778 E-mail: sales@linak.com.au · www.linak.com.au

ΔUSTRIA LINAK GmbH

Phone: +43 2746 21036 · Fax: +43 2746 21044 www.linak.at

BELGIUM & LUXEMBOURG

LINAK Actuator-Systems NV/SA Phone: +32 (0)9 230 01 09 · Fax: +32 (0)9 230 88 80

E-mail: info@linak.be · www.linak.be

BRAZIL LINAK do Brasil Comércio de Atuadores Ltda.

Phone: +55 (11) 2832 - 7070 · Fax: +55 (11) 2832 - 7060

E-mail: info@linak.com.br · www.linak.com.br

LINAK Canada Inc.

Phone: +1 905 821 7727 · Fax: +1 905 821 4281 E-mail: info@linak.ca · www.linak.ca

CZECH REPUBLIC

LINAK C&S S R O Phone: +420581741814 · Fax: +420581702452

E-mail: ponizil@linak.cz · www.linak.cz DENMARK

LINAK DANMARK A/S

Phone: +45 86 80 36 11 · Fax: +45 86 82 90 51 E-mail: linak@linak-silkeborg.dk · www.linak.dk

FINLAND

LINAK OY

Phone: +358 10 841 8700 · Fax: +358 10 841 8729

E-mail: linak@linak.fi · www.linak.fi

FRANCE LINAK FRANCE S A R I

Phone: +33 (0)2 4136 3434 · Fax: +33 (0)2 4136 3500

E-mail: linak@linak.fr · www.linak.fr

Phone: +49 6043 9655 0 - Fax: +49 6043 9655 60 E-mail: info@linak.de · www.linak.de

INDIA

LINAK A/S India Liaison Office Phone: +91 80 2299 6533 · Fax: +91 80 2224 3863

E-mail: info@linak.in · www.linak.in

IRELAND LINΔK LIK Limited

Phone: +44(0)121 544 2211 · Fax: +44(0)121 544 2552 E-mail: stephen@linak.co.uk · www.linak.co.uk

LINAK ITALIA S.r.I.

Phone: +39 02 48 46 33 66 · Fax: +39 02 48 46 82 52 E-mail: info@linak.it · www.linak.it

ΙΔΡΔΝ LINAK K.K

Phone: +81 45 533 0802 · Fax: +81 45 533 0803 E-mail: linak@linak.jp · www.linak.jp

LINAK A/S Asian Representative Office Phone: +60 4 210 6500 · Fax: +60 4 226 8901 E-mail: info@linak-asia.com · www.linak-asia.com

NETHERLANDS

LINAK Actuator-Systems B.V. Phone: +31 76 5 42 44 40 · Fax: +31 76 5 42 61 10 E-mail: info@linak.nl · www.linak.nl

LINAK New Zealand Ltd.

NEW ZEALAND

Phone: +64 9580 2071 · Fax: +64 9580 2072 E-mail: nzsales@linak.com.au · www.linak.co.nz

NORWAY

LINAK Norge AS Phone: +47 32 82 90 90 · Fax: +47 32 82 90 98 E-mail: info@linak.no · www.linak.no

POLAND

LINAK Polska

Phone: +48 (22) 500 28 74 · Fax: +48 (22) 500 28 75 E-mail: dkreh@linak.com · www.linak.pl

LINAK Actuadores S.I

Phone: +34 93 588 27 77 · Fax: +34 93 588 27 85 E-mail: linakact@linak.es · www.linak.es

SWEDEN

LINAK Scandinavia AB

Phone: +46 8 732 20 00 · Fax: +46 8 732 20 50 E-mail: info@linak.se · www.linak.se

SWITZERLAND

LINAK AG

Phone: +41 43 388 31 88 · Fax: +41 43 388 31 87 E-mail: info@linak.ch · www.linak.ch

LINAK A/S Taiwan Representative Office Phone: +886 2 25080296 · Fax: +886 2 25080296 E-mail: info@linak.com.tw · www.linak-asia.com

TURKEY

LINAK A/S Turkey Representative Office

Phone: +90 312 4726338-59 · Fax: +90 312 4726635 E-mail: vozen@linak.com.tr · www.linak.com.tr

UNITED KINGDOM LINAK UK Limited

Phone: +44(0)121 544 2211 · Fax: +44(0)121 544 2552 E-mail: sales@linak.co.uk · www.linak.co.uk

DISTRIBUTORS

ARGENTINA

NOVOTEC ARGENTINA SRL Phone: +[54] (11) 4303-8900/89 · Fax: +[54] (11) 4032-0184 E-mail: info@novotecargentina.com

MEM Ltda

Phone: +[57] (1) 334-7666 · Fax: +[57] (1) 282-1684 E-mail: servicioalcliente@memltda.com.co

INDONESIA

www.memltda.com.co PT. HIMALAYA EVEREST JAYA Phone: +6 221 544 8956/65 · Fax: +6 221 619 4658/1925

www.novotecargentina.com

E-mail: hejplastic-div@centrin.net.id

IRΔN

Bod Inc Phone: +98 21 88527255 - Fax: +98 21 88514037 E-mail: mail@bod.ir · www.bod.ir

MEXICO

IISASA de CV

Phone: +[52] (55) 5388-3960 · Fax: +[52] (55) 5388-3966 E-mail: linak@ilsamexico.com · www.ilsamexico.com

000 FAM

Phone: +7 812 3319333 · Fax: +7 812 3271454 E-mail: purchase@fam-drive.ru · www.fam-drive.ru

SINGAPORE

SERVO DYNAMICS PTE. Ltd.

Phone: +65 6844 0288 · Fax: +65 6844 0070 E-mail: servodynamics@servo.com.sg · www.servo.com.sg

SOUTH AFRICA

Industrial Specialised Applications CC Phone: +27 11 312 2292 or +27 11 2077600 Fax: +27 11 315 6999 www.www.stabilus.com

SOUTH KOREA

UNITEK ENG

Phone: +82 2 567 0888 · Fax: +82 2 3453 1177 E-mail: unitekeng@unitekeng.co.kr · www.unitekeng.co.kr

UNITED ARAB EMIRATES

Mechatronic

Phone: +971 4 267 4311 - Fax: +971 4 267 4312 E-mail: mechtron@emirates.net.ae www.mechatronics.ae

For contact details on other countries please visit www.linak.com or contact:

LINAK INTERNATIONAL Fax: +45 74 45 90 10

E-mail: info@linak.com · www.linak.com

The user is responsible for determining the suitability of LINAK products for a specific application.

LINAK A/S takes great care in providing accurate and up-todate information on its products. However, due to continuing developments in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK A/S. For a copy hereof, please contact LINAK.

