

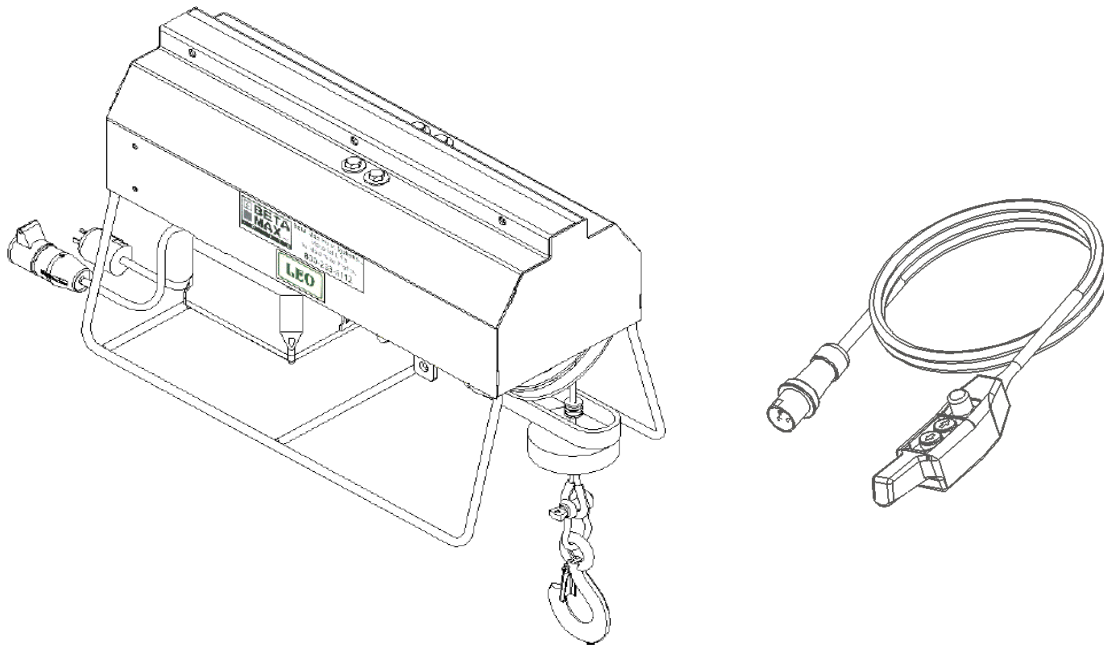


Original Instructions

PORTABLE WIRE ROPE HOIST

BETA MAX

Leo XXL 220 3-Phase



PARTS MANUAL

Rev. 1.4 - 2018

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Descriptions and photos are only to be considered as pure illustrations. They may or may not be exact representation due to updated and revised changes made to the product.

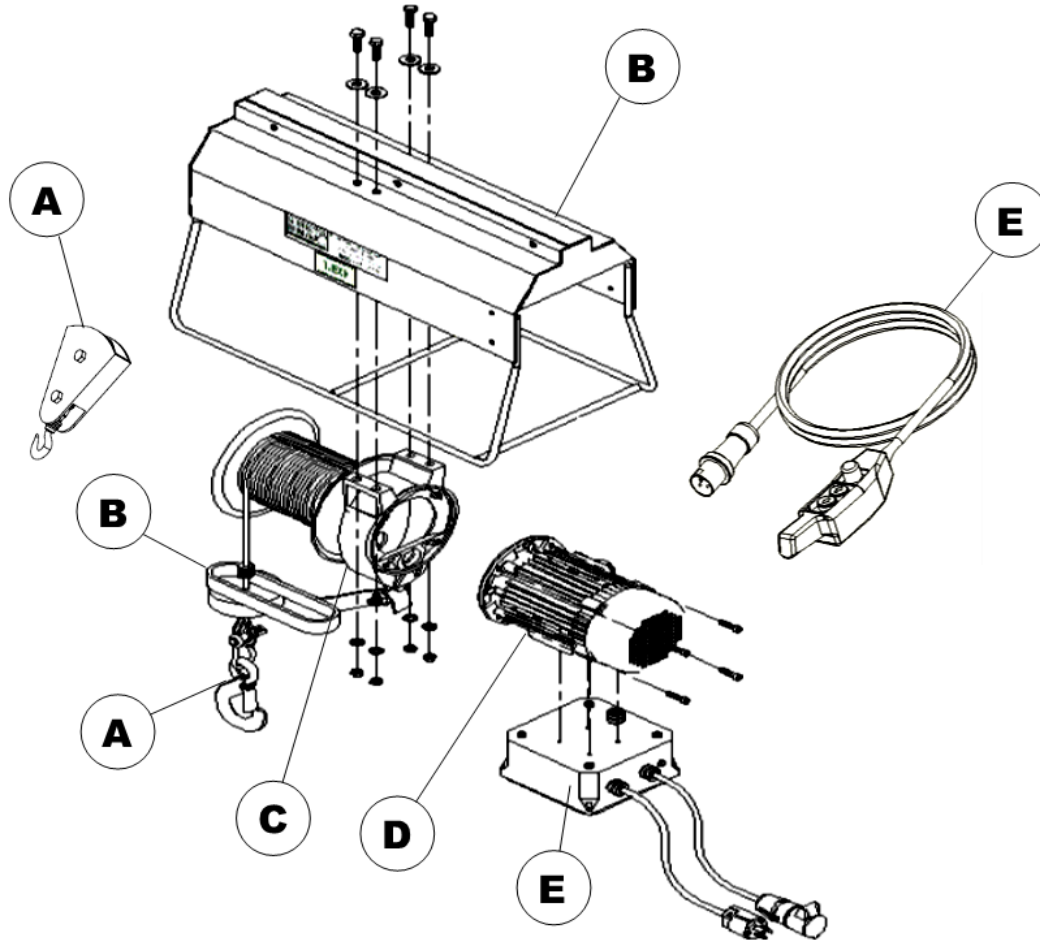
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Sections Exploded View

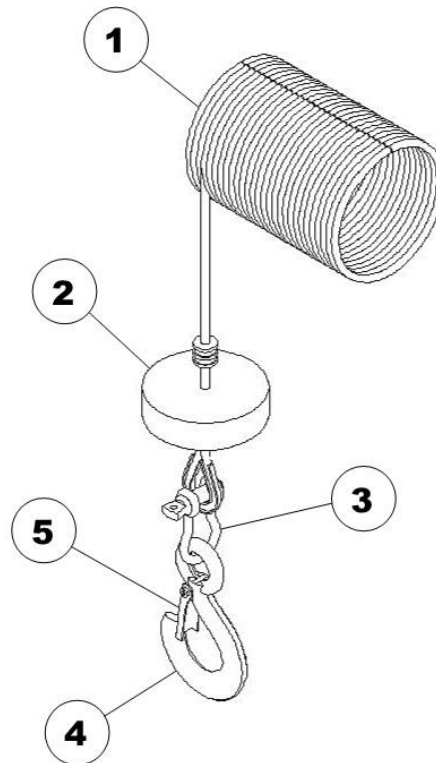


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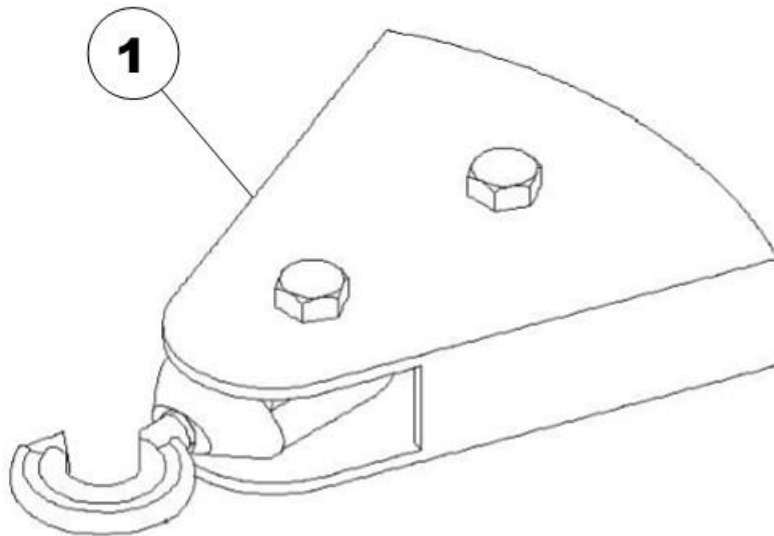


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Section A – Wire Rope

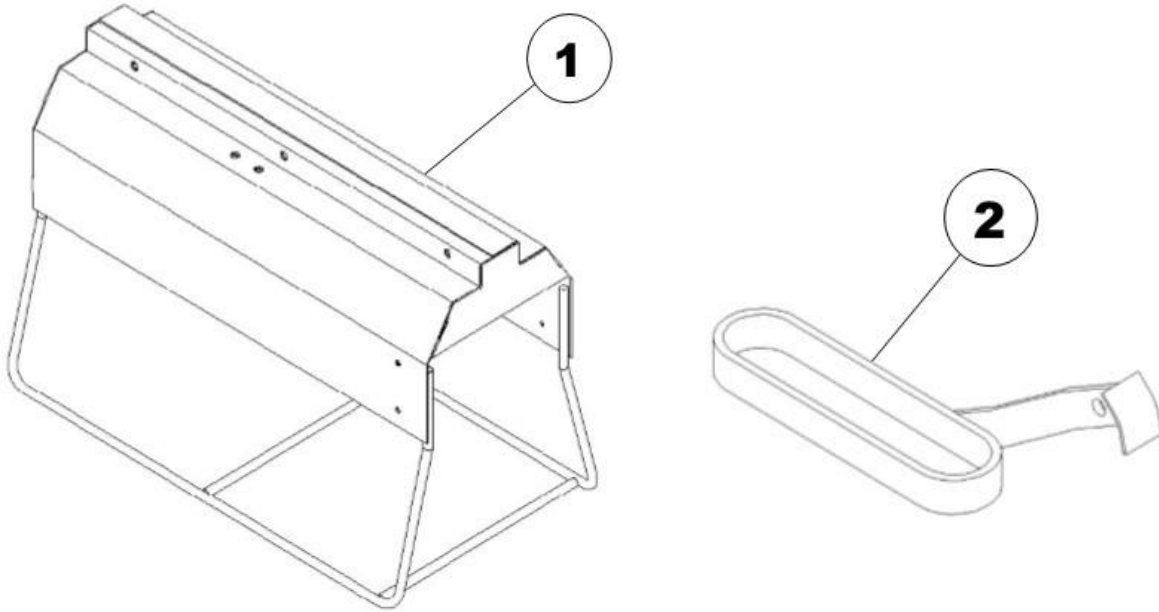


Item	Part Number	Description	Notes
1	40-41	Wire Rope Kit	Includes items 2, 3, & 4
2	20-2	Cable Weight	----
3	000000000000553	½" Shackle	----
4	000000000001631	2 Ton Hook	Includes Item 5
5	--	Safety Latch	Not Sold Separately (BZ1631)



Item	Part Number	Description	Notes
1	70-2	Double Rope Kit (Heavy Duty)	Includes Item 2
2	20-144	Decal – Warning	----
3	20-177	Decal – Weight Capacity	----

Section B – Shroud Structure & Up Limit Bar

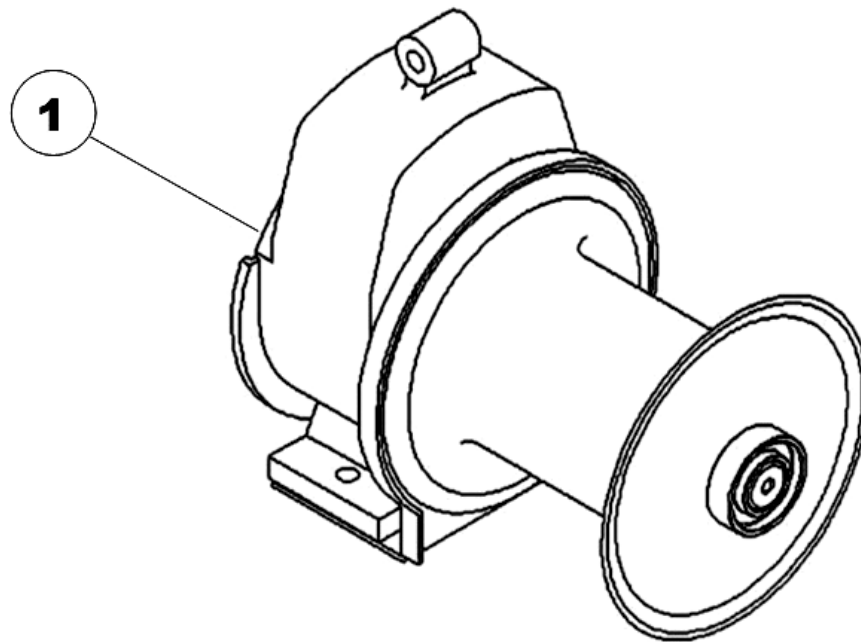


Item	Part Number	Description	Notes
1	40-28	Shroud	----
2	30-56-1	Up Limit Bar	----
3	30-125	Leo Decal Set	Not Shown

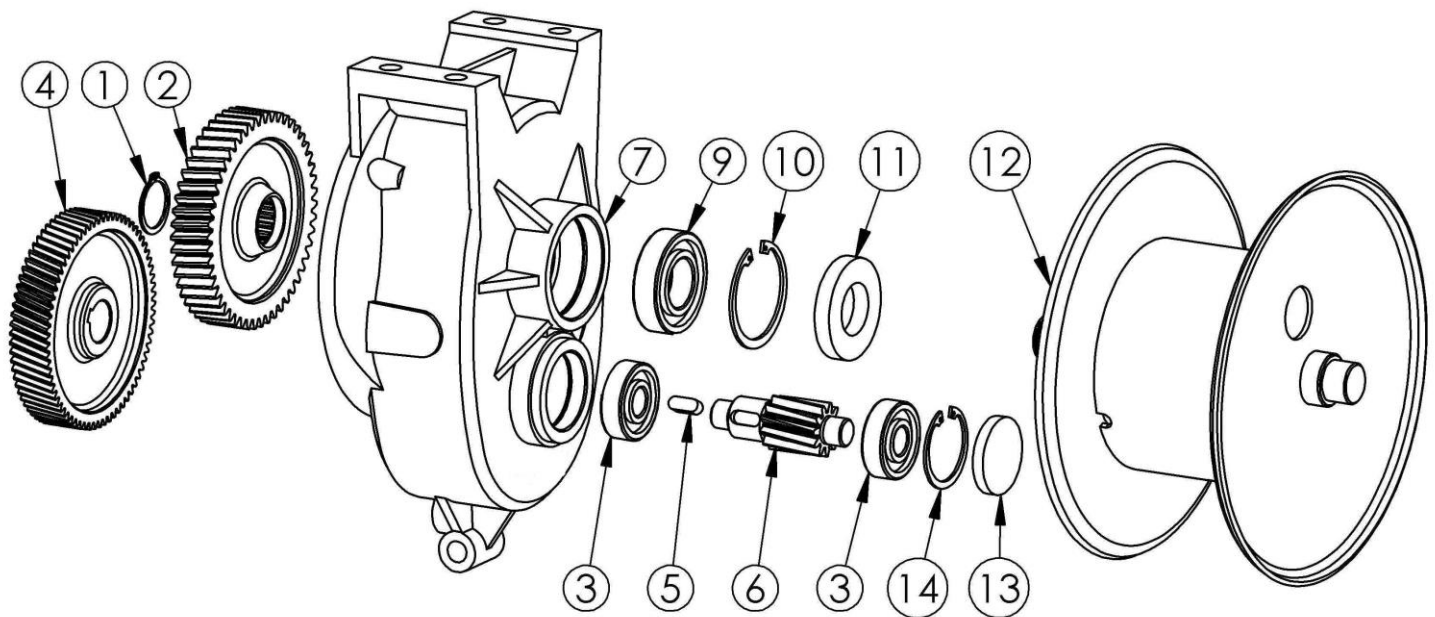


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Section C – Transmission & Drum



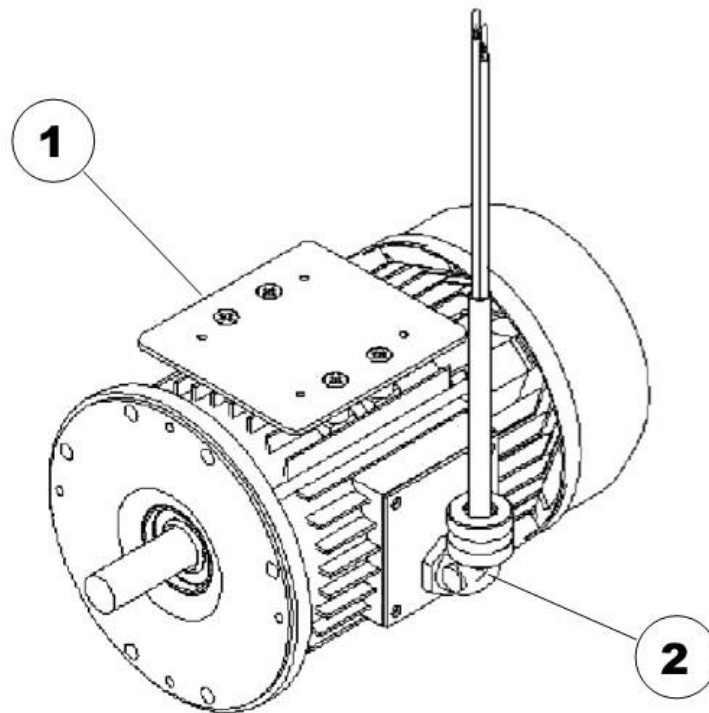
Item	Part Number	Description	Notes
1	10-80-1	Transmission & Drum Sub-assembly	Includes item 1-15 on pages 6 to 7



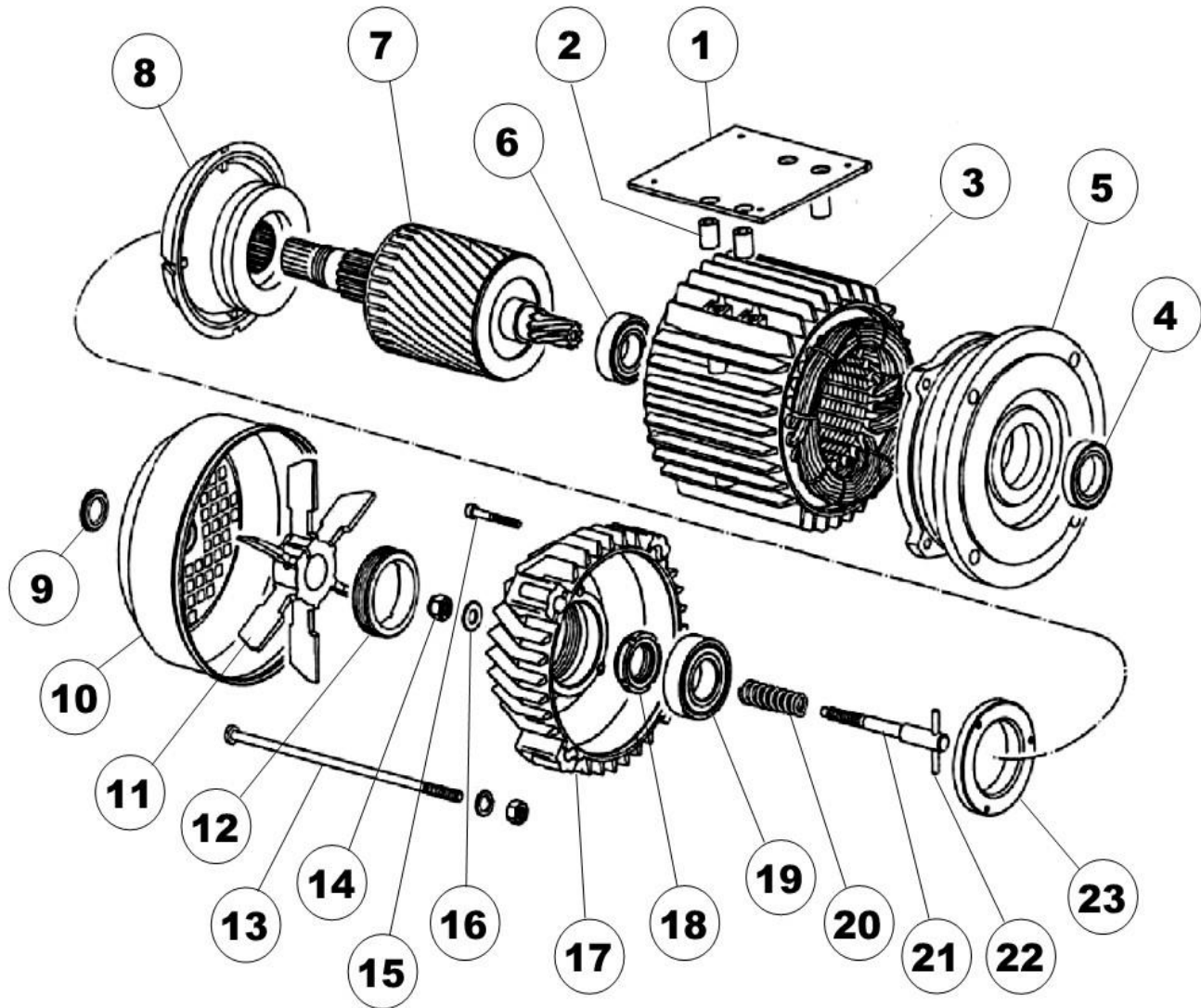
Item	Part Number	Description	Notes
1	10-196	Retaining Ring	----
2	000000000001801	Drum Gear	----
3	10-197	Bearing	----
4	000000000001760	Intermediate Gear	----
5	----	Key	Not Sold Separately (BZ1802)
6	000000000001802	Intermediate Shaft	Includes item 5
7	----	Housing	Not Sold Separately (10-80-1)
8	10-188	Spacer	----
9	10-180	Bearing	----
10	10-181	Retaining Ring	----
11	10-182	Oil Seal	----
12	10-80-1	Drum	----
13	10-192	Stopper	----
14	10-193	Retaining Ring	----
15	000000000000523	Drum End Bearing	Not Shown

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Section D – Motor & Brake



Item	Part Number	Description	Notes
1	30-872	Motor & Brake Sub-assembly	Includes item 2 and items 1-23 on pages 10 to 11
2	30-7	Power Connection Sub-assembly	----

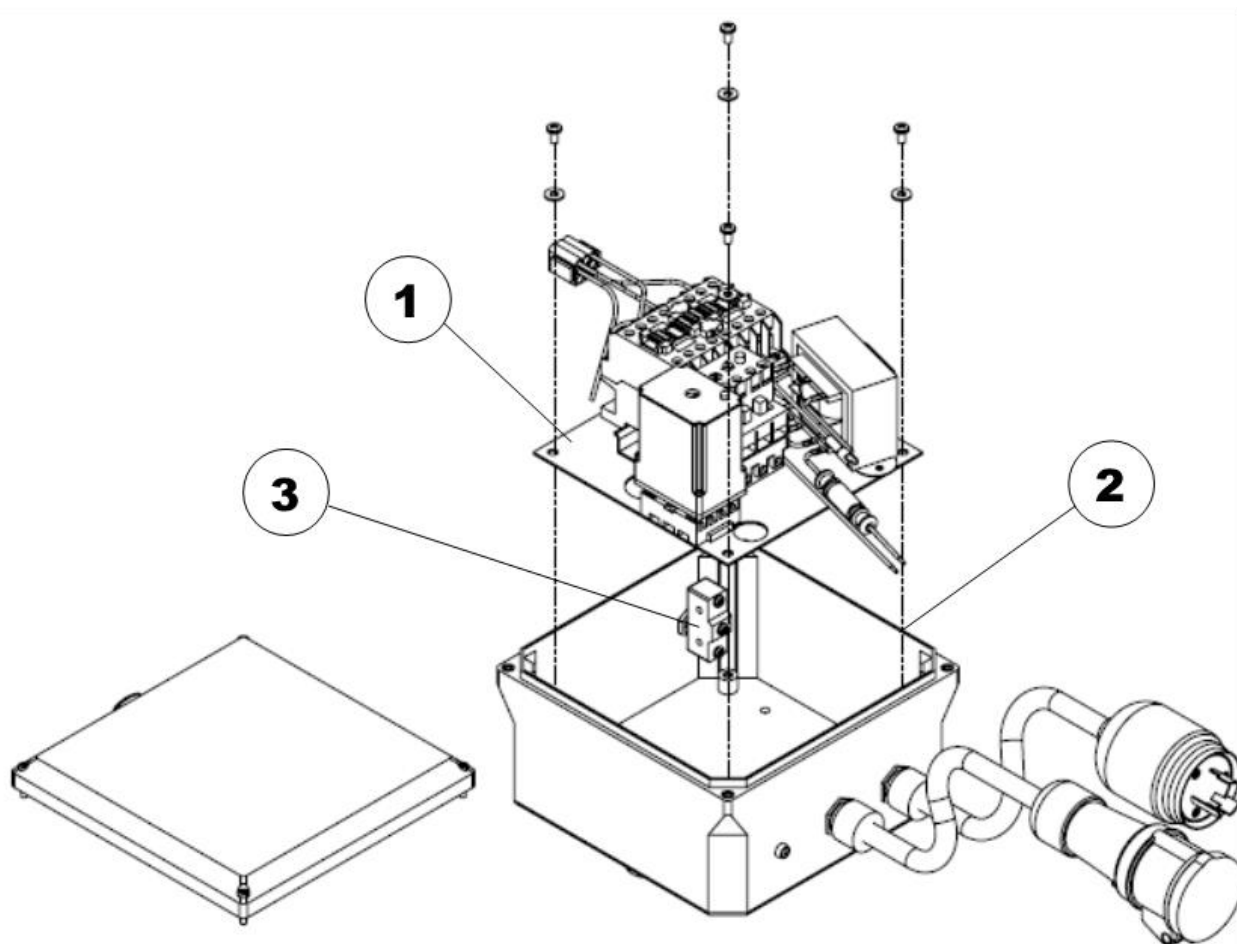


Item	Part Number	Description	Notes
1	----	Plate	Not Sold Separately (10-148)
2	----	Spacer	Not Sold Separately (10-148)
3	10-148	Stator	----
4	000000000000808	Oil Seal	----

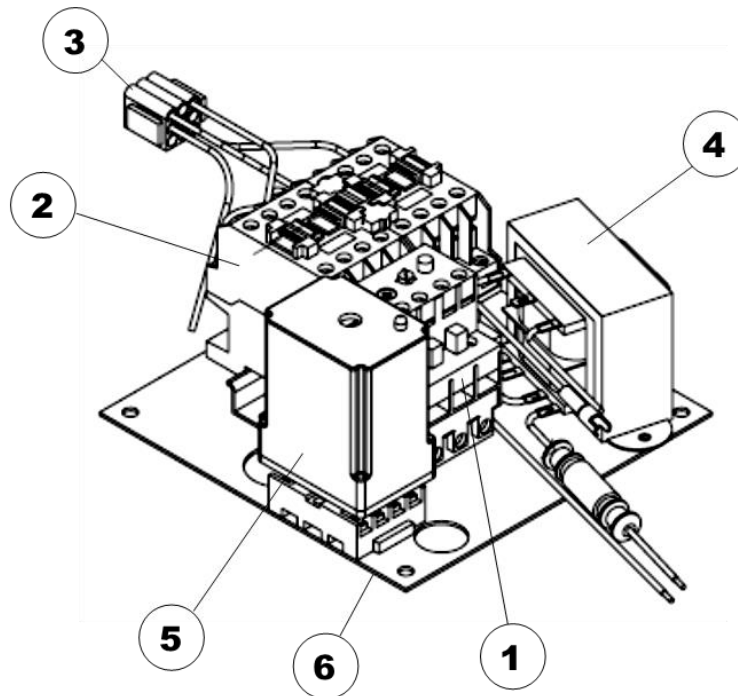
Item	Part Number	Description	Notes
5	----	Front Flange	Not Sold Separately (30-872)
6	000000000000523	Front Rotor Bearing	----
7	10-148-1	Rotor/Brake Assembly	Includes items 6, 8, 12, & 14-23
8	20-55	Brake Pad	----
9	20-57	Fan Cover Plug	----
10	20-56	Fan Cover	----
11	20-58	Fan	----
12	10-49	Outer Air Gap Adjusting Nut	----
13	10-48	Tie Rod	----
14	000000000002034	Self-Locking Nut	----
15	000000000000008	Bolt	----
16	000000000002196	Flat Washer	----
17	10-55	Motor End Cap	----
18	10-53	Self-Locking Ring	----
19	10-180	Rear Rotor Bearing	----
20	10-690	Spring	----
21	20-86	Brake Tension Adjustment Kit	Includes items 14, 16, 20, & 22
22	----	T-Rod	Not Sold Separately (20-87)
23	10-54	Inner Air Gap Adjusting Plate	----

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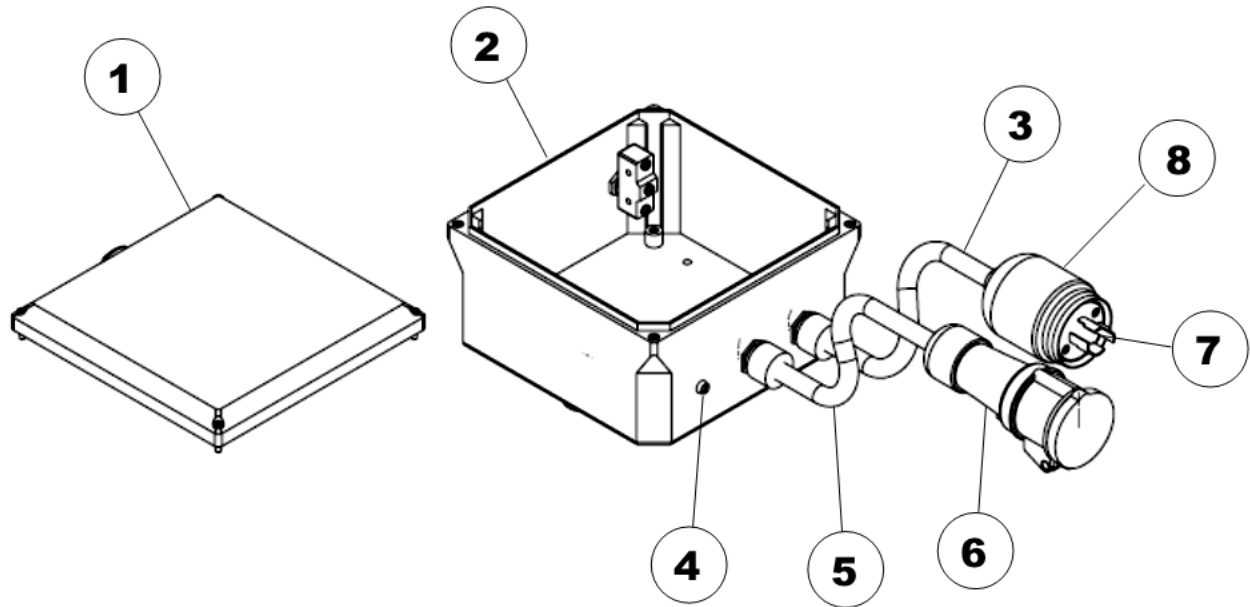
Section E – Electrical Control System



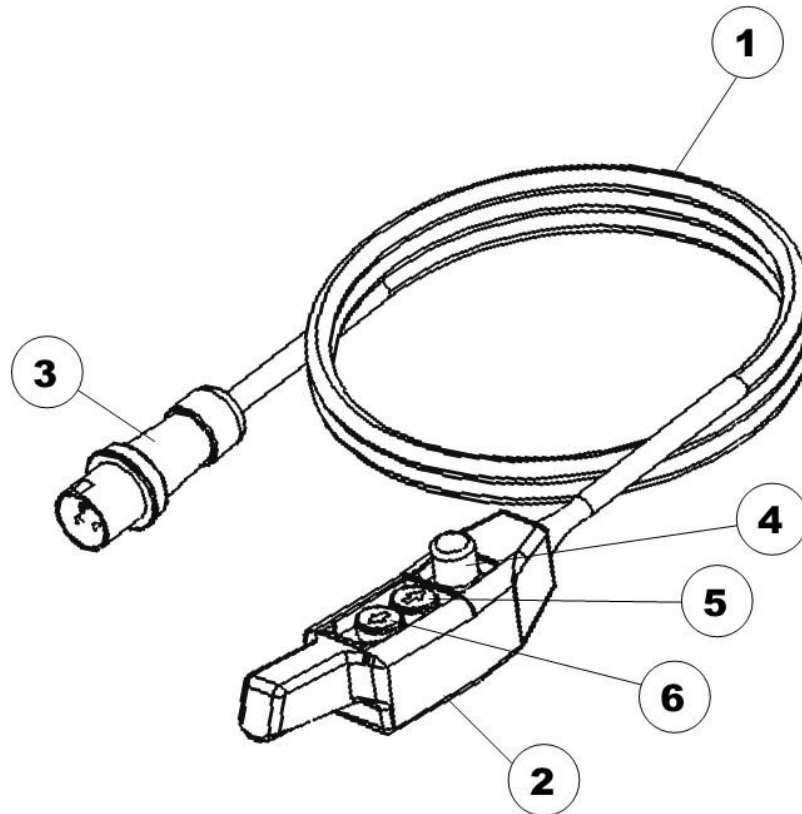
Item	Part Number	Description	Notes
1	30-27	Base Plate Sub-assembly	Includes Items 1-8 on Page 14
2	30-36	Enclosure Sub-assembly	Includes Items 2-8 on Page 15
3	000000000000073	Limit Switch	----
4	30-125	Leo Decal Kit	Not Shown



Item	Part Number	Description	Notes
1	000000000001485	Overload	**Previous Overload was discontinued in 2009, any units older than 2009 will need to purchase New Overload plus Items 2, 3, 7, & 8**
2	000000000001479	18.01 Contactor	Sold Separately (2 Required) **Previous Contactors were discontinued in 2009, any units older than 2009 will need to purchase both the UP and DOWN Contactor plus Items 1, 7, & 8 **
3	40-15	Harness Sub-assembly	----
4	30-134	Transformer Sub-assembly	----
5	30-18	Phase Monitor Sub-assembly	----
6	----	Base Plate	Not Sold Separately (30-27)
7	40-23	Din Rail	Not Shown
8	000000000001481	Mechanical Interlock Kit	Not Shown



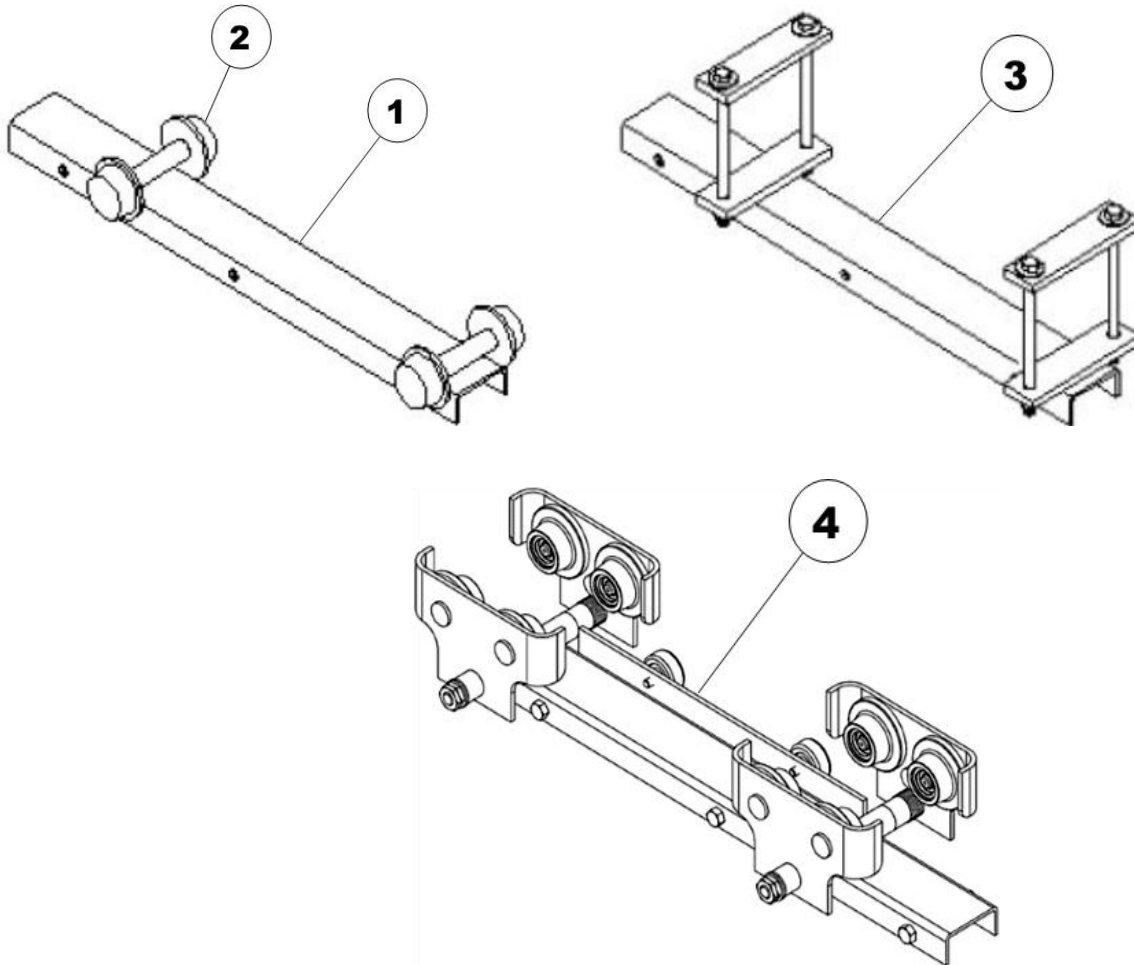
Item	Part Number	Description	Notes
1	000000000000070	Enclosure Lid	----
2	30-36-1	Enclosure Base	“Pre-drilled”
3	30-11	Power Pigtail Sub-assembly	Includes Items 7 & 8
4	40-5	LED Sub-assembly	----
5	40-6	Pigtail Sub-assembly	Includes Item 6
6	000000000000035	Female Pendant Plug	----
7	000000000000100	Twist-Lock Power Plug	----
8	000000000001888	Power Plug Cover	----
9	30-125	Leo Decal Kit	Not Shown



Item	Part Number	Description	Notes
1	50-9-1	Pendant Sub-assembly	Includes Item 2-9
2	000000000001711	Pendant Housing	Includes items 4-8
3	000000000000034	Male Pendant Plug	----
4	000000000001025	Stop Button	----
5	000000000002156	Up Directional Button	White Button Face w/Boot
6	000000000002157	Down Directional Button	Black Button Face w/Boot
7	10-219	Red “NC” Contact Block	Not Shown Sold Separately (3 Required)
8	10-678	Green “NO” Contact Block	Not Shown Sold Separately (2 Required)
9	10-712	Control Pendant Decal Kit	Not Shown

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Section F – Mounting Options



Item	Part Number	Description	Notes
1	50-7	Roller Top	Includes item 2
2	20-71	Roller	Sold Separately (4 Required)
3	60-8	Fixed I-beam Top	----
4	60-25	1 Ton I-beam Trolley Top	----