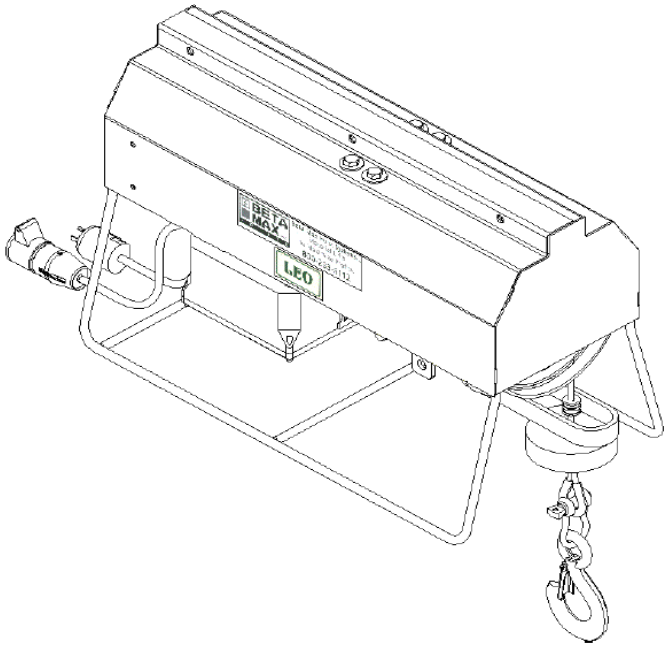
Original Instructions

PORTABLE WIRE ROPE HOIST

BETA MAX

Leo VFD *With Options



PARTS MANUAL

Rev. 1.4 - 2018

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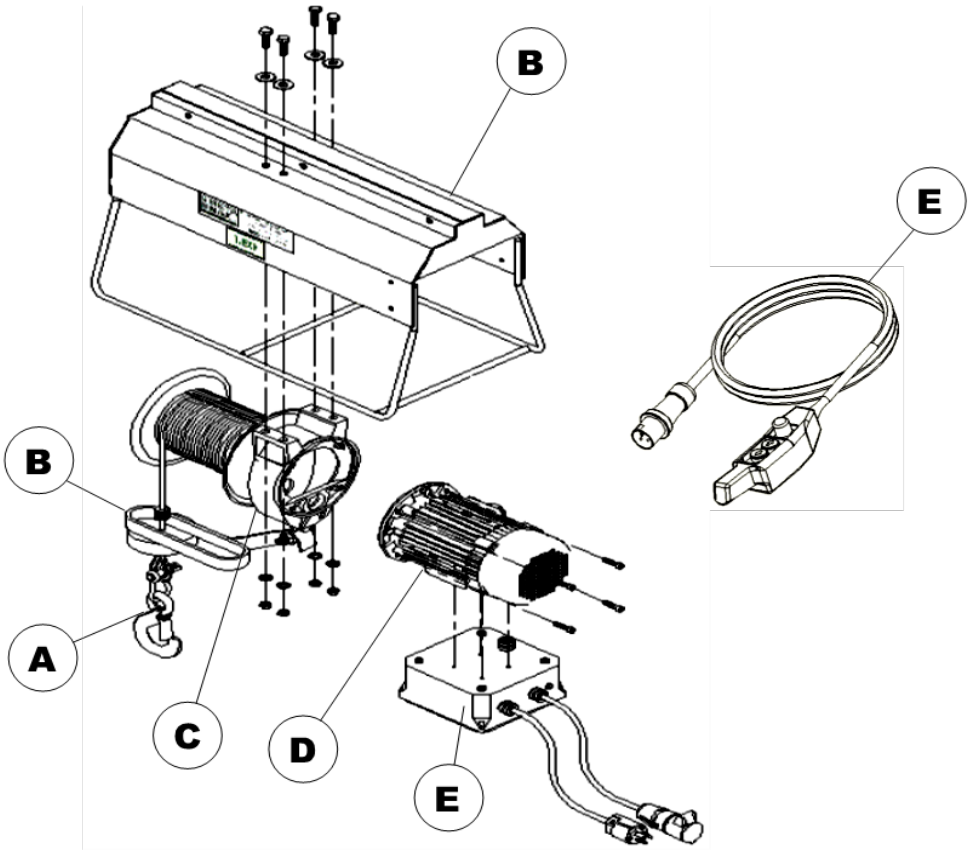
Sections Exploded View



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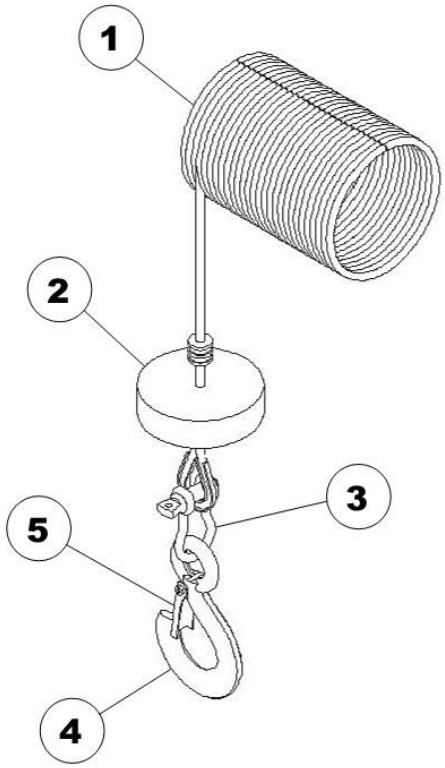
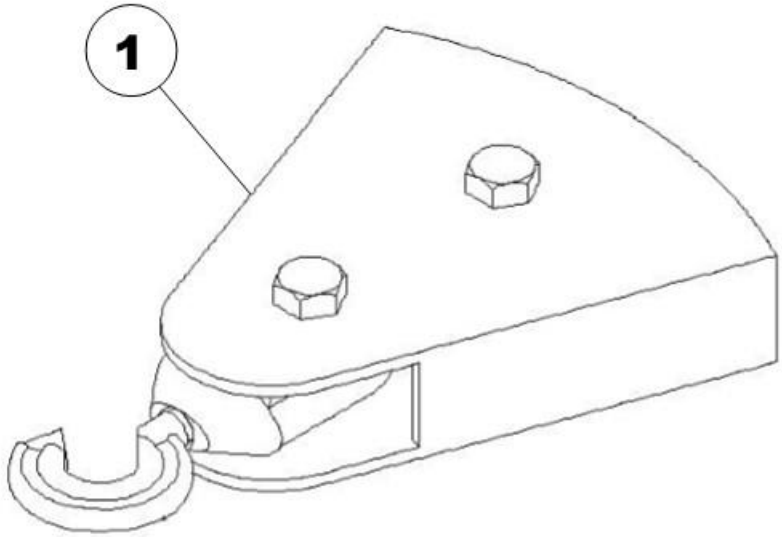
Section A – Wire Rope

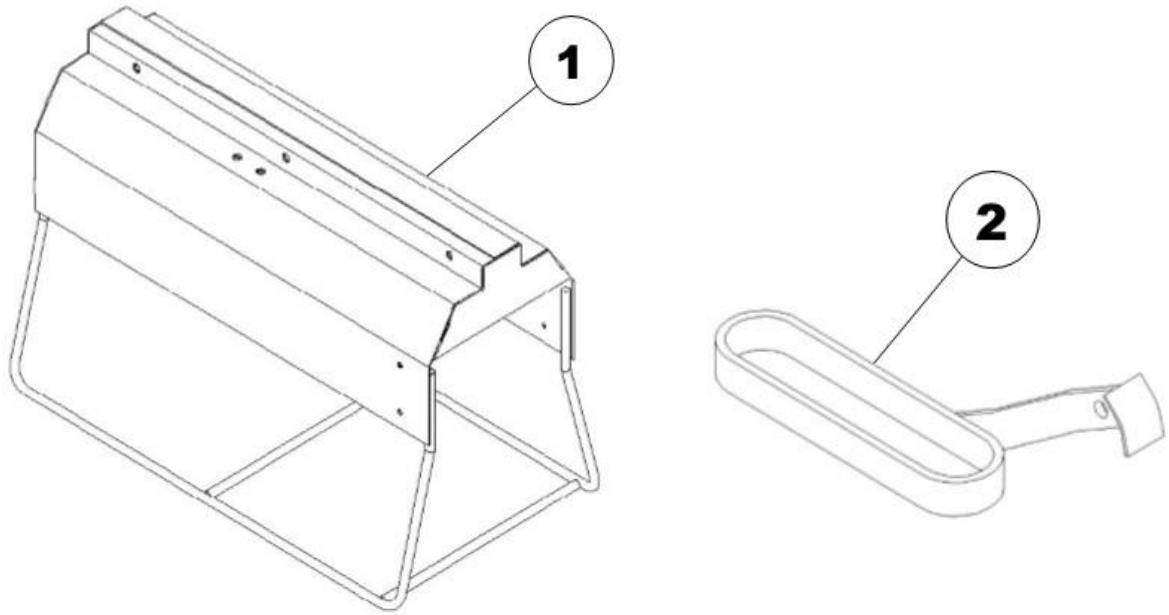


Item	Part Number	Description	Notes
1	40-41	Wire Rope Kit	Includes items 2, 3, & 4
2	20-2	Cable Weight	----
3	00000000000553	½" Shackle	----
4	00000000001631	2 Ton Hook	----
5	--	Safety Latch	Not Sold Separately



Item	Part Number	Description	Notes
1	70-2	Double Rope Kit (Heavy Duty)	Includes items 2-4
2	20-177	Decal 2000 lb Cap.	----
3	20-144	Decal Warning Double Rope Pulley	
4	00000000001776	½" Swivel Jaw-eye	Not Shown

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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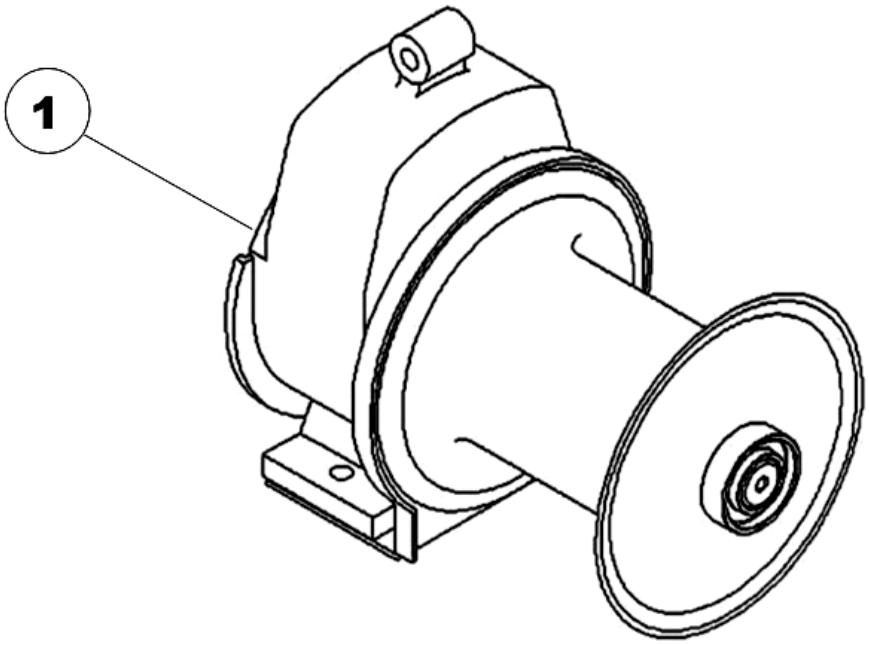
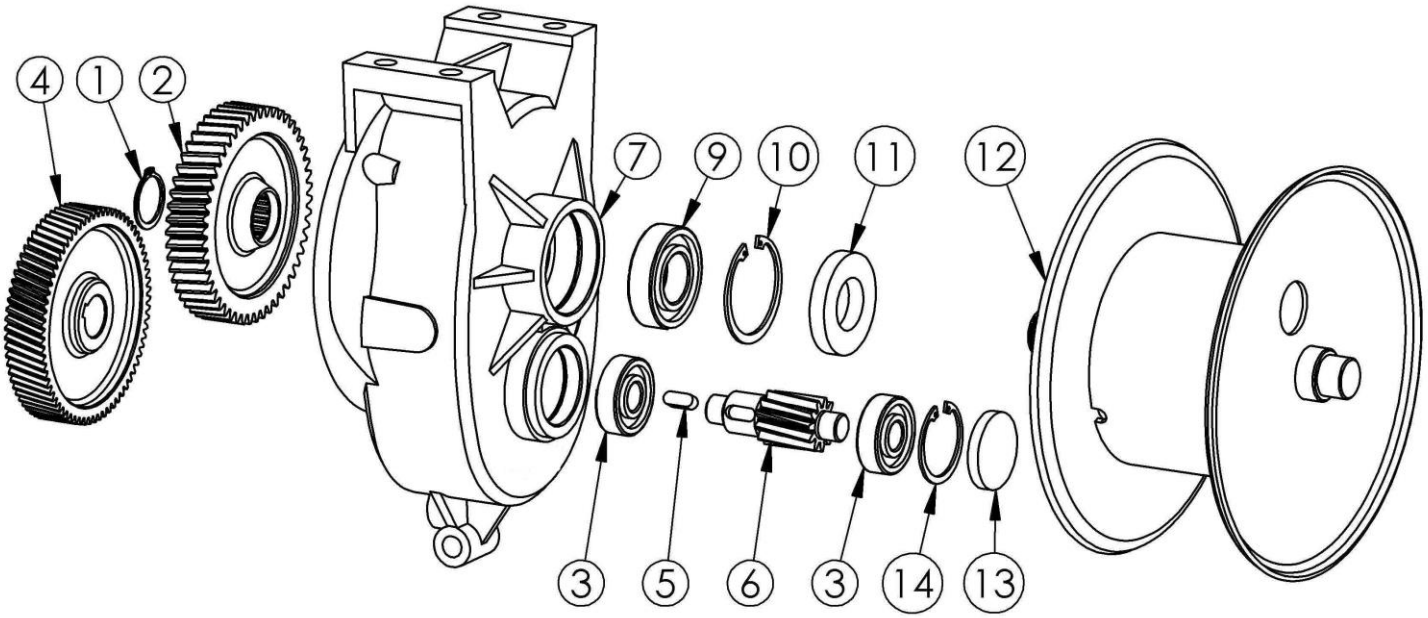
Section C – Transmission & Drum



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


4
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14
13

Item	Part Number	Description	Notes
1	10-196	Retaining Ring	----
2	00000000001801	Drum Gear	----
3	10-197	Bearing	----
4	00000000001760	Intermediate Gear	----
5	----	Key	Not Sold Separately (BZ1802)
6	00000000001802	Intermediate Shaft	Includes item 5
7	----	Housing	Not Sold Separately (20-154)
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	0000000000523	Drum End Bearing	Not Shown

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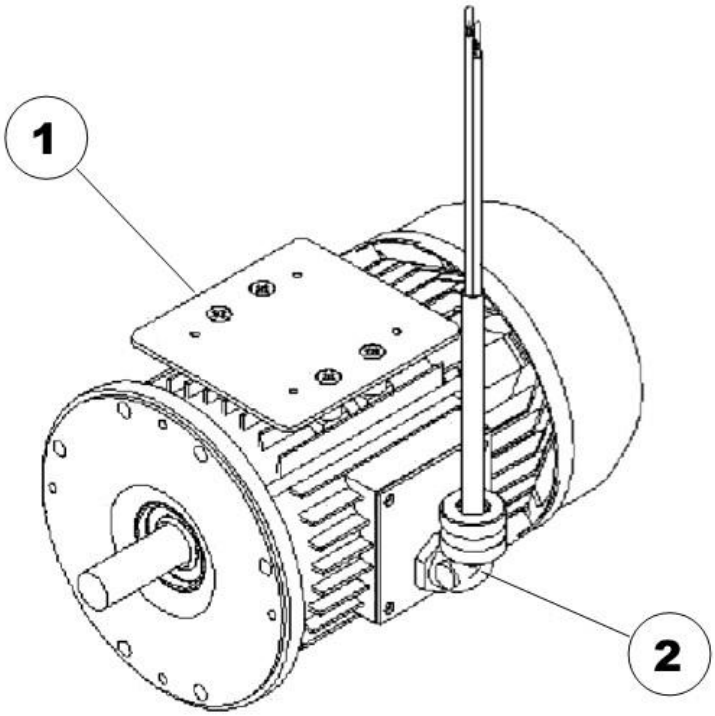
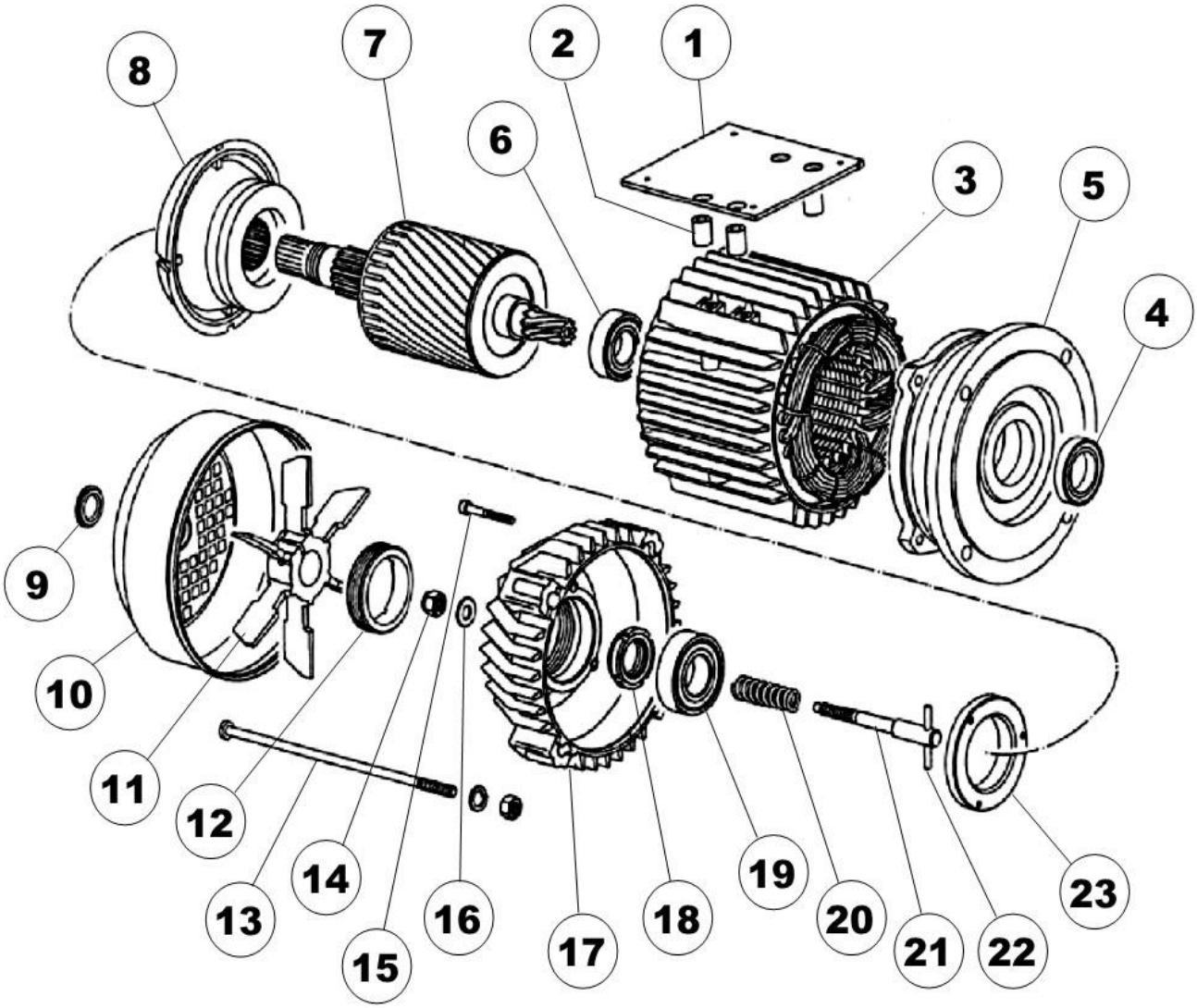
Section D – Motor & Brake



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	0000000000808	Oil Seal	----

Item	Part Number	Description	Notes
5	----	Front Flange	Not Sold Separately (30-872)
6	0000000000523	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	00000000002034	Self-Locking Nut	----
15	00000000000008	Bolt	----
16	00000000002196	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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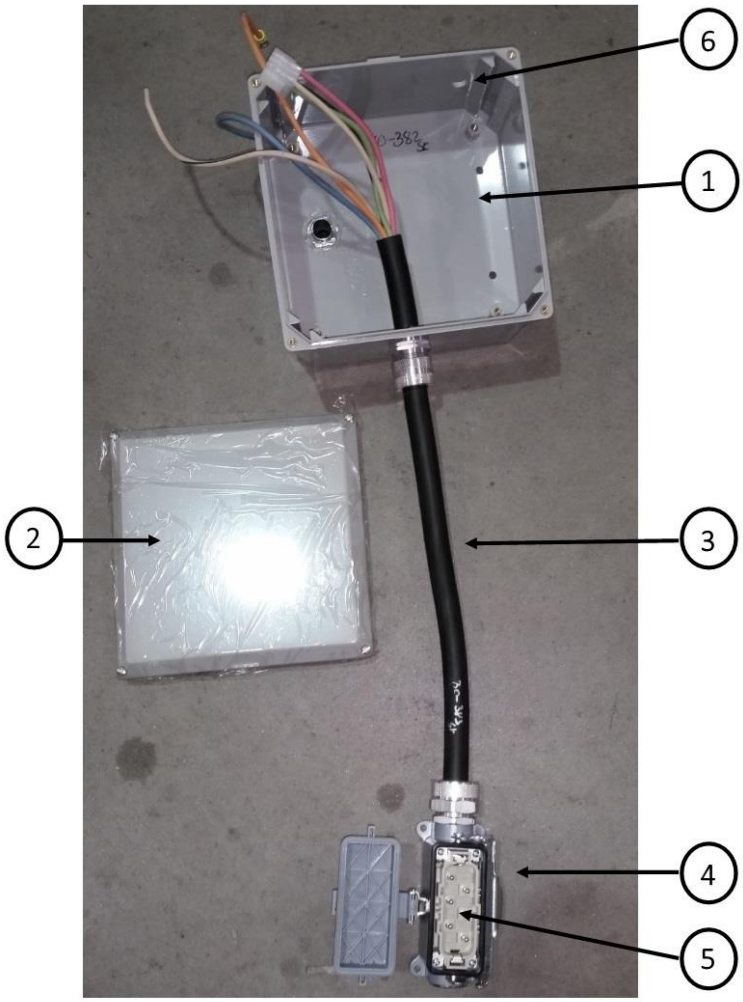
Section E – Electrical Control System

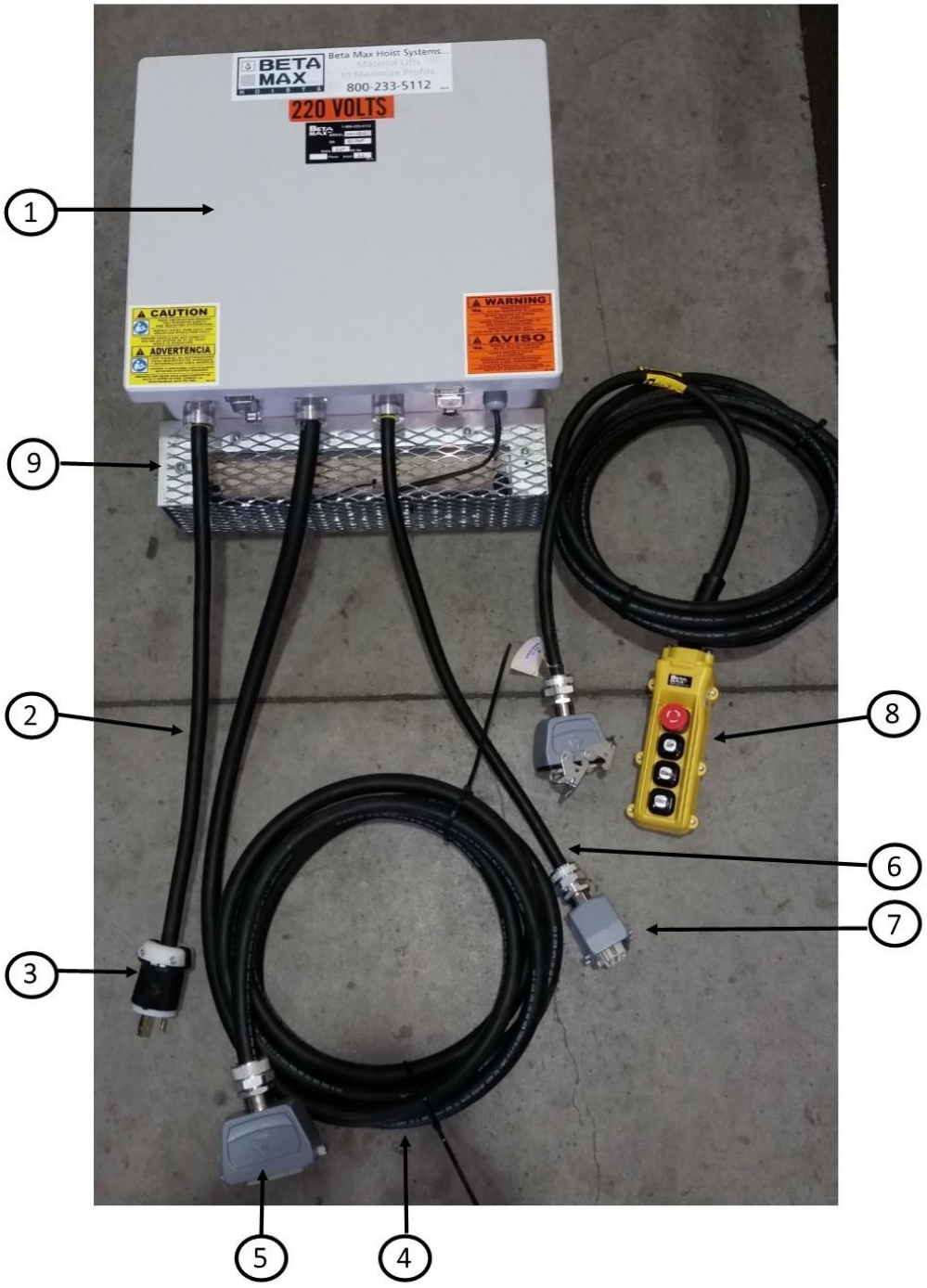
1

2

Item	Part Number	Description	Notes
1	30-382	Enclosure Sub-assembly	----
2	50-20-2	Controller Assembly	Optional (50-20-3) Shown
2	50-20-3	Controller Assembly w/ Wireless	----



Item	Part Number	Description	Notes
1	00000000000069	Enclosure	----
2	00000000000070	Enclosure Lid	----
3	30-383	Motor Pigtail Assembly	Includes Items 4&5
4	00000000000185	Bulkhead Connector	----
5	00000000001470	6 Pole Male Connector	----
6	00000000000073	Limit Switch	Not Shown


BETA MAX
800-233-5112
220 VOLTS
CAUTION
ADVERTENCIA
WARNING
AVISO
1
9
2
8
6
7
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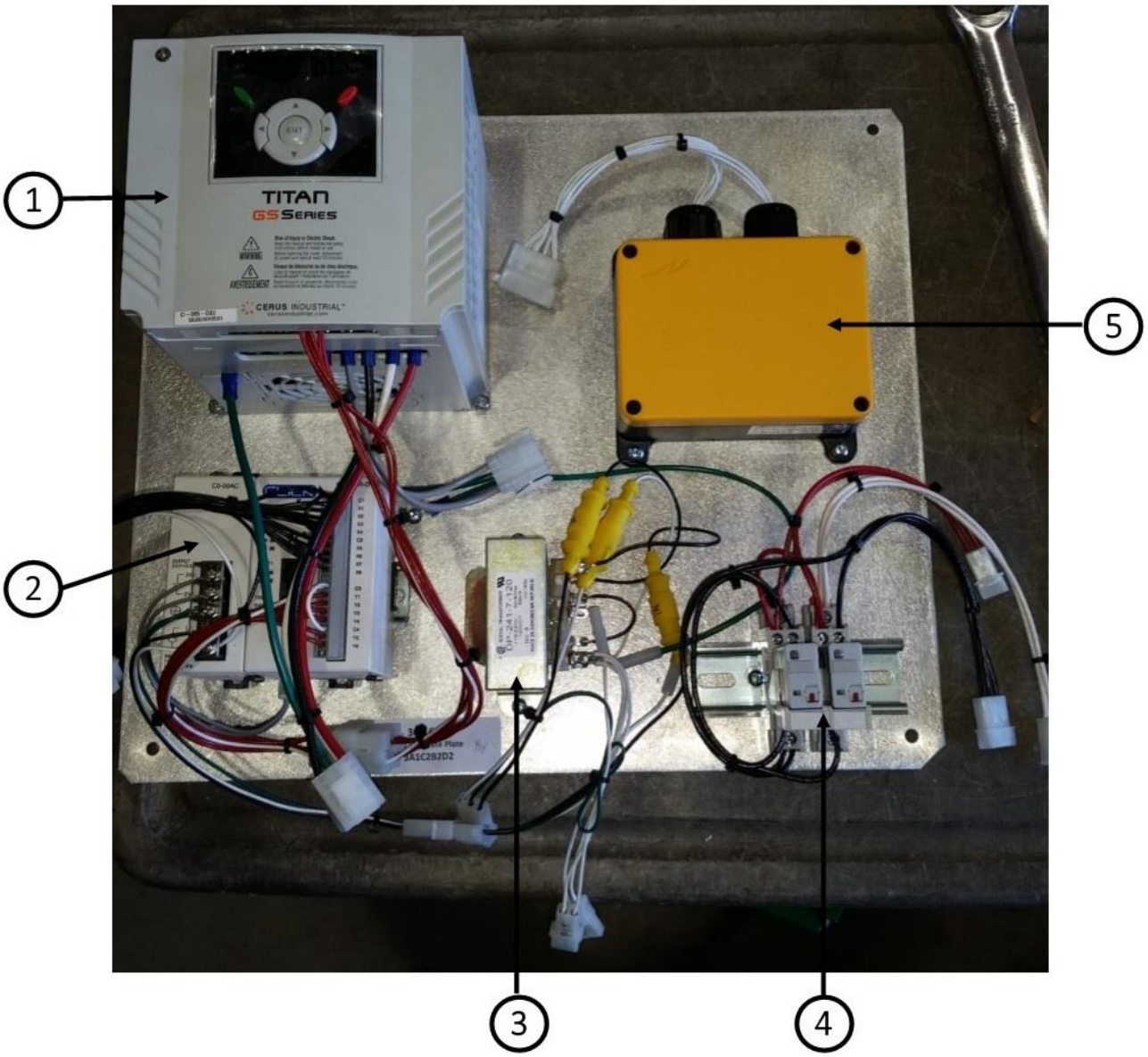
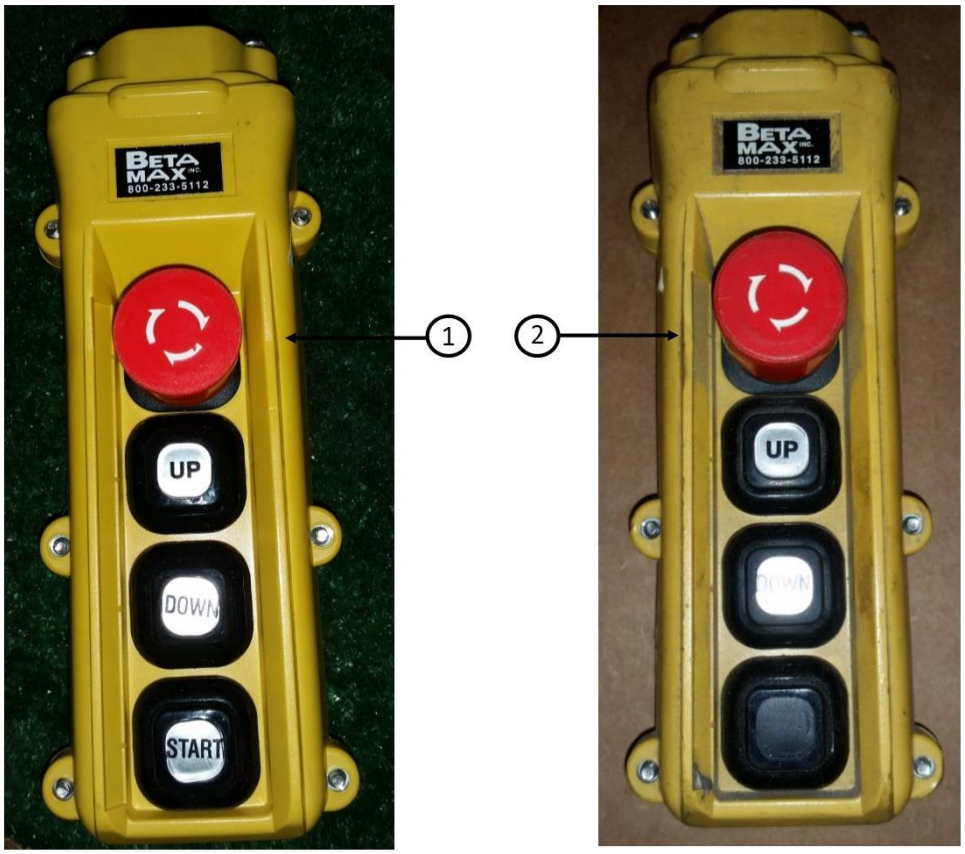
4

Item	Part Number	Description	Notes
1	30-384	Enclosure Assembly	----
2	30-372	Power Pigtail Assembly	----
3	00000000001287	Plug-30A 250V Male	----
4	30-379	Motor Cable Assembly	----
5	00000000001132 00000000001469	Hood Top Entry 6 Pole Female Insert	----
6	30-19-1	Pendant Pigtail Assembly	----
7	00000000000020 00000000000019	Hood Top Entry 10 Pole Female Insert	----
8	30-71	Control Pendant	Not Shown
8	30-71-3	Control Pendant Wireless	----
9	30-19-3	Resistor Assembly	Includes Resistor BZ1449
10	30-390	Decal Kit	----



Item	Part Number	Description	Notes
1	30-222	Titan GS Series VFD Assembly	----
2	30-604	PLC Assembly	----
3	30-185-1	Control Transformer Assembly	----
4	30-434-3	Wireless Relay Assembly	Optional Needed With #5
5	30-434-2	Wireless Receiver Assembly	Optional

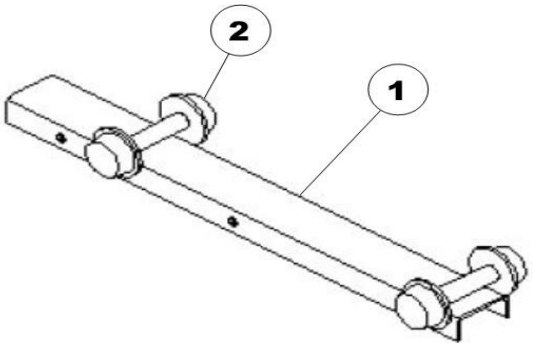
Item	Part Number	Description	Notes
1	30-434-4	Wireless Wire Harness	For Wireless Option

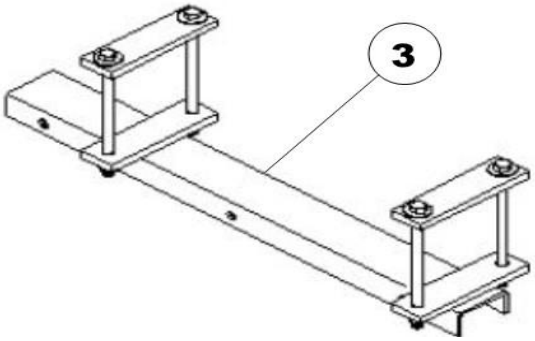


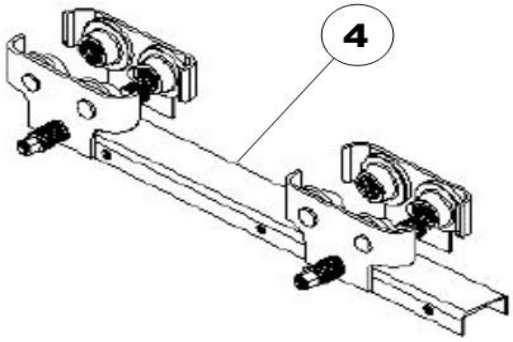
Item	Part Number	Description	Notes
1	30-71-3	Wired Pendant Assembly	For Optional Wireless Unit
2	30-71	Wired Pendant Assembly	For Standard Unit

Item	Part Number	Description	Notes
1	10-664	Wireless Transmitter Assembly	----
2	10-262	Decal	----

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 Top	----
4	60-25	1 Ton Trolley Top	----
--	60-19	Guide Plate	Not Shown
--	30-34-1	Guide Plate Wheels	Sold Separately (2 Required)

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