



Original Instructions

PERSONNEL HOIST

BETA MAX

MC2000PMB D



PARTS MANUAL

Rev. 1.0 - 2016

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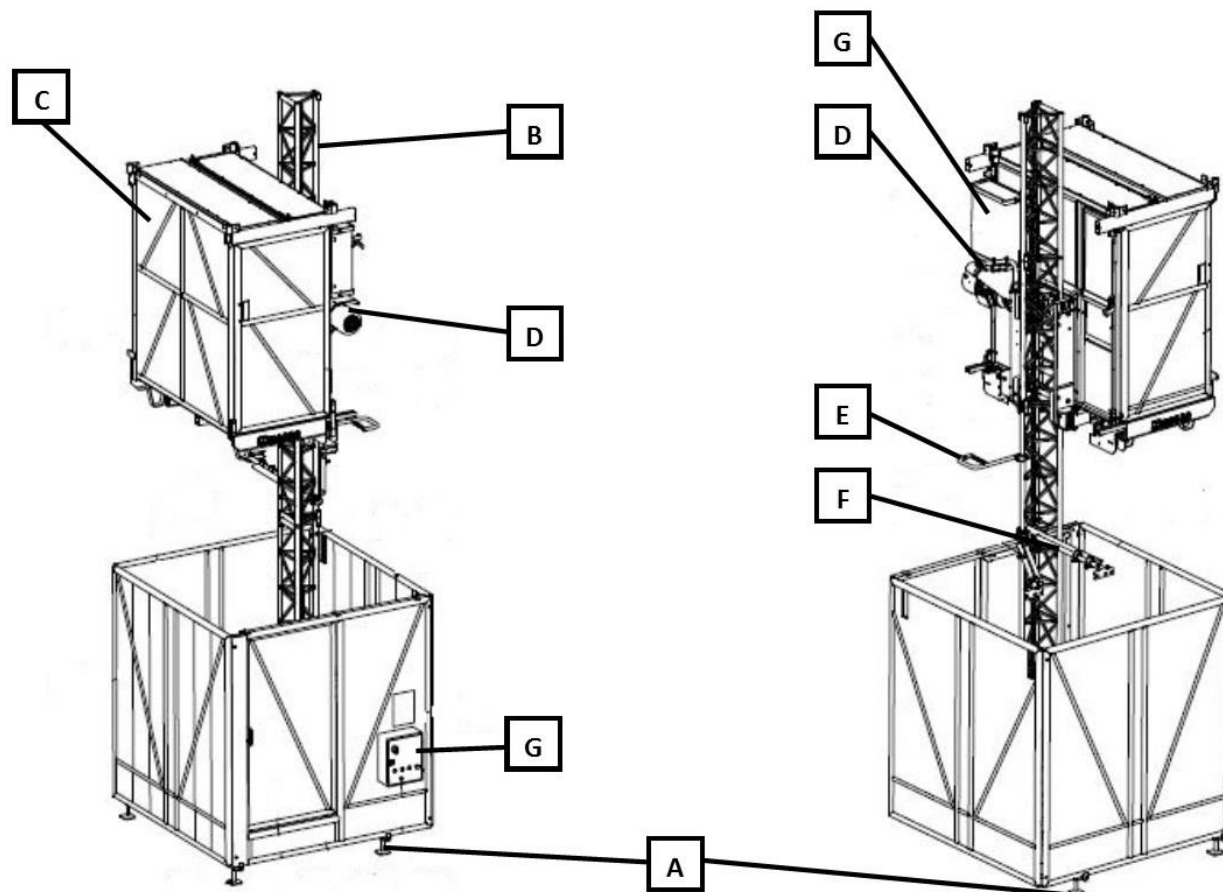
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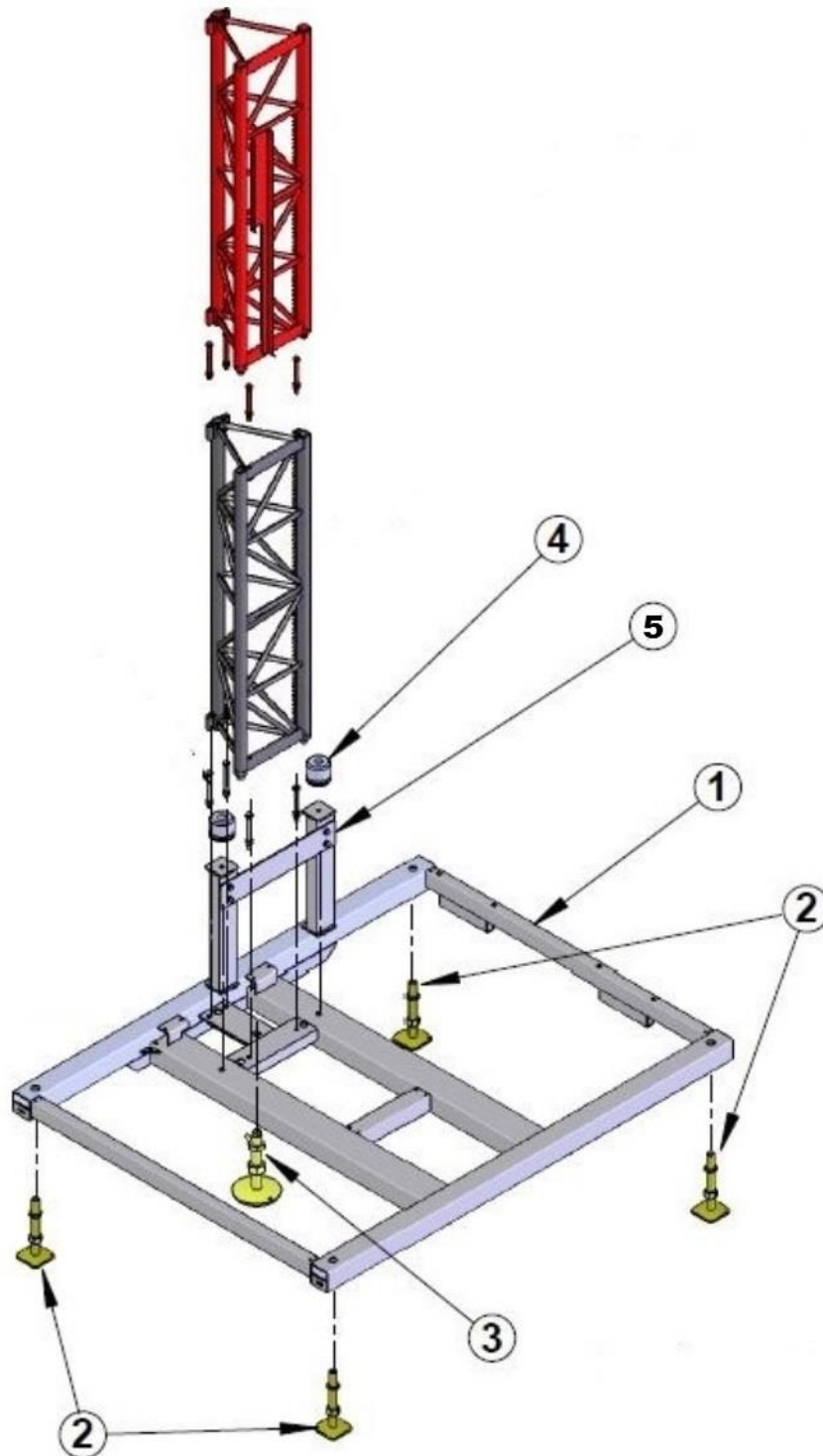
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Sections Exploded View



Item	Description	Page Number	Notes
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F	Wall Tie Assembly	29	----
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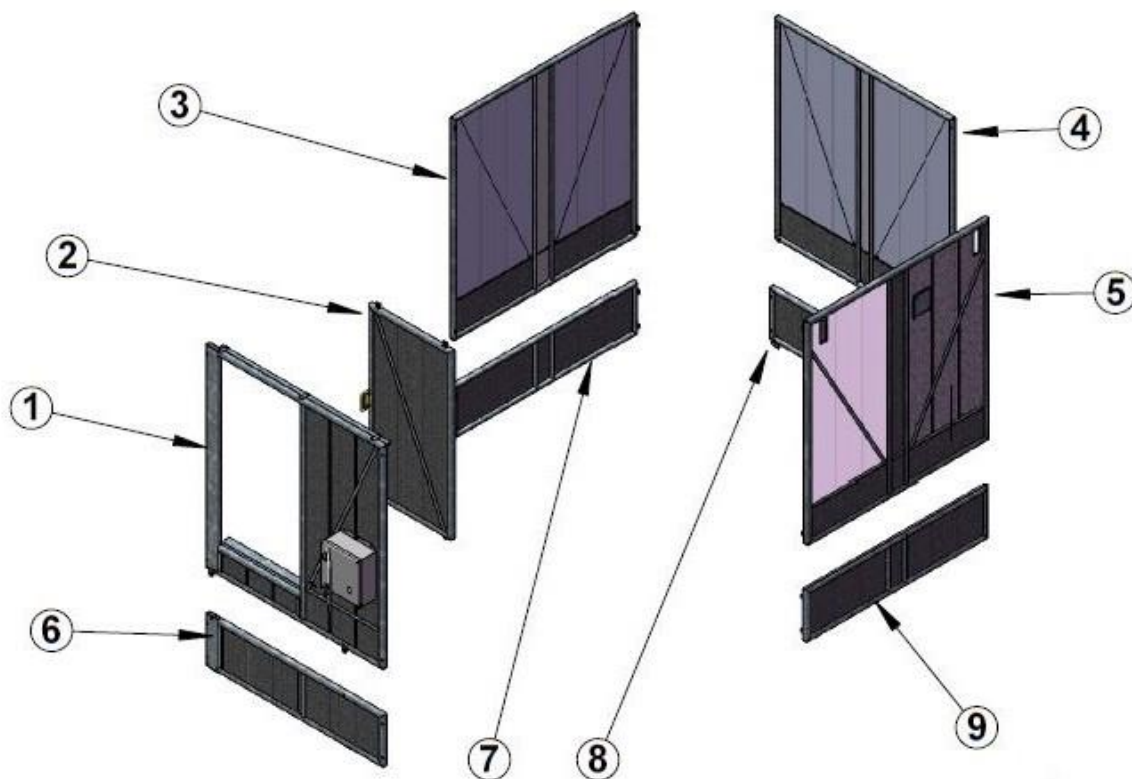
Section A – Base





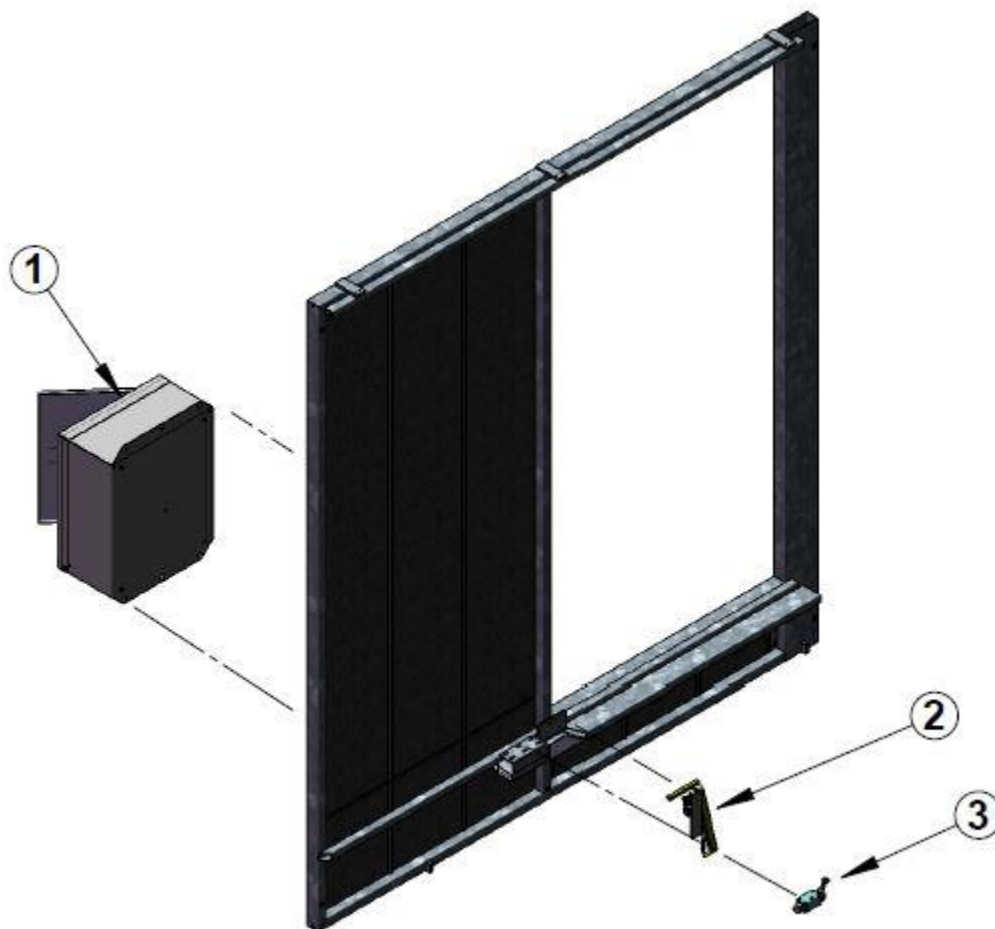
Item	Part Number	Description	Notes
--	##	Complete Base Assembly	----
1	10-958-1	Base	----
2	10-273	Screw Jack, Complete	----
3	10-274	Screw Jack, Mast Base	----
4	30-225	Spring Buffer	----
5	10-482	Spring Buffer Stand	----
--	10-764	Cam, Down Stop	(Not Shown)
--	10-765	Mounting Bracket, Down Terminal Stops	(Not Shown)
--	10-766	Cam, Down Overtravel	(Not Shown)

Ground Enclosure



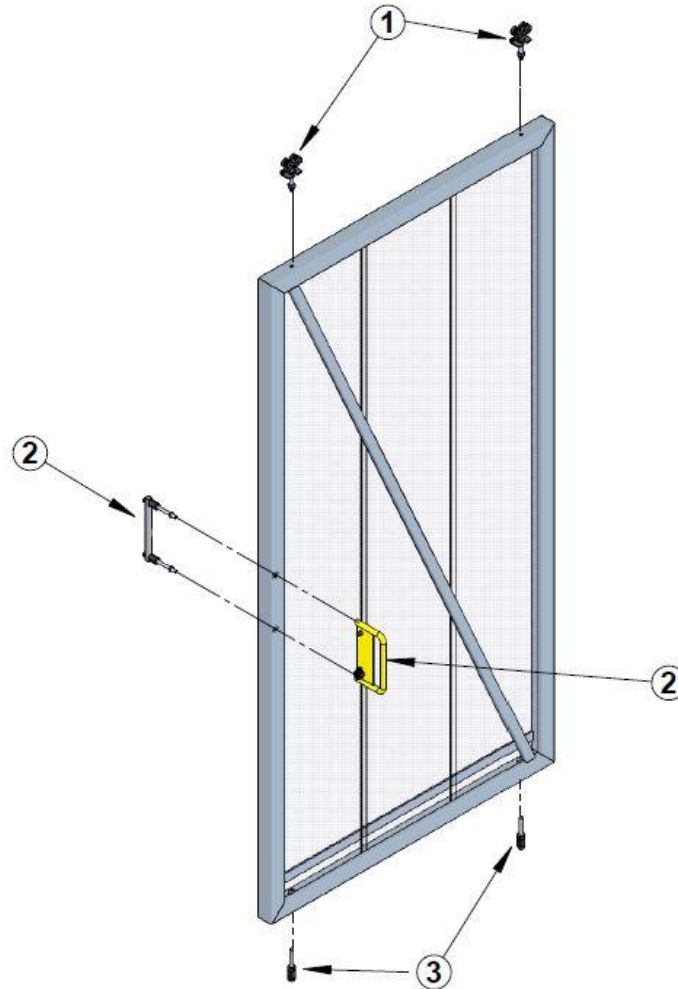
Item	Part Number	Description	Notes
--	10-945	Complete Ground Enclosure	Electrical Box not Included
1	10-963	Ground Enclosure, Front	----
2	30-392	Sliding Door	----
3	10-960	Ground Enclosure, Left	----
4	10-962	Ground Enclosure, Rear	----
5	10-961	Ground Enclosure, Right	----
6	30-399	Ground Skirt, Front	----
7	30-397	Ground Skirt, Left	----
8	30-398	Ground Skirt, Rear	----
9	30-397	Ground Skirt, Right	----
10	10-483	Base Enclosure Extension	(Not Shown)

Ground Enclosure, Front



Item	Part Number	Description	Notes
--	10-963	Front Panel Assembly	----
1	10-883-1	Ground Controls Enclosure	----
2	10-272	Ground Enclosure Door Lock	----
3	00000000001347	Limit Switch	----

Sliding Door

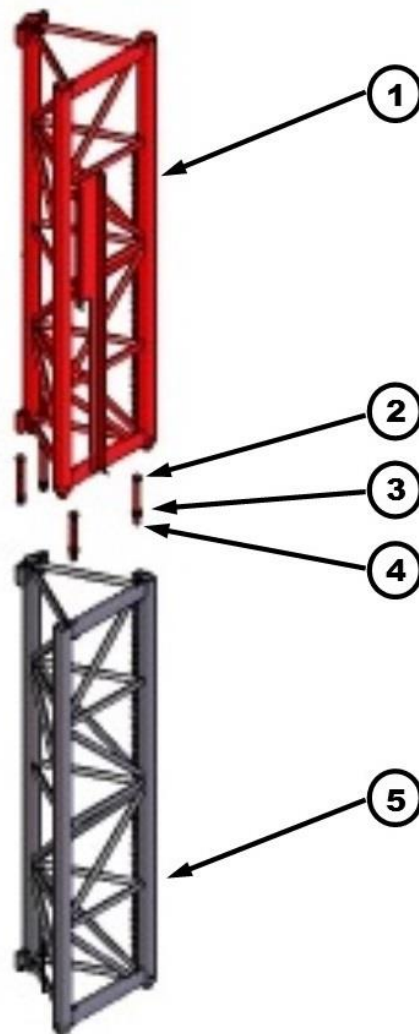


Item	Part Number	Description	Notes
--	30-392	Sliding Door Assembly	----
1	10-392	Ground Enclosure Door Rollers	----
2	10-266	Door Handle	----
3	30-270	Door Guide Pins	----



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Section B – Mast Sections

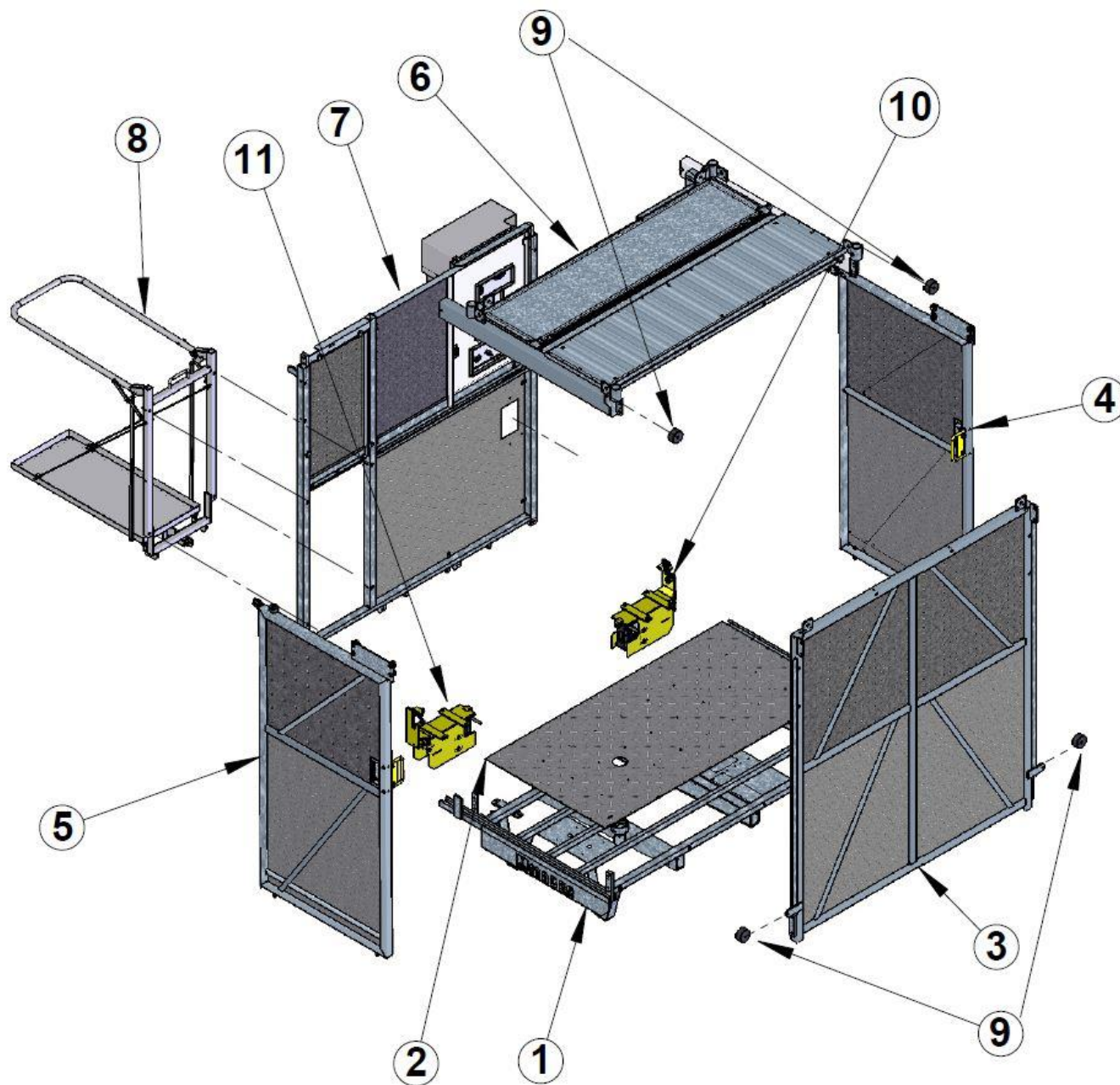


Item	Part Number	Description	Notes
1	30-960	Mast, Top Safety	----
2	10-322	Bolt, 16mm x 160mm	----
3	000000000001163	Nut, 16M Nylock	----
4	000000000001016	Washer, 16M	----
5	10-933	Mast	----



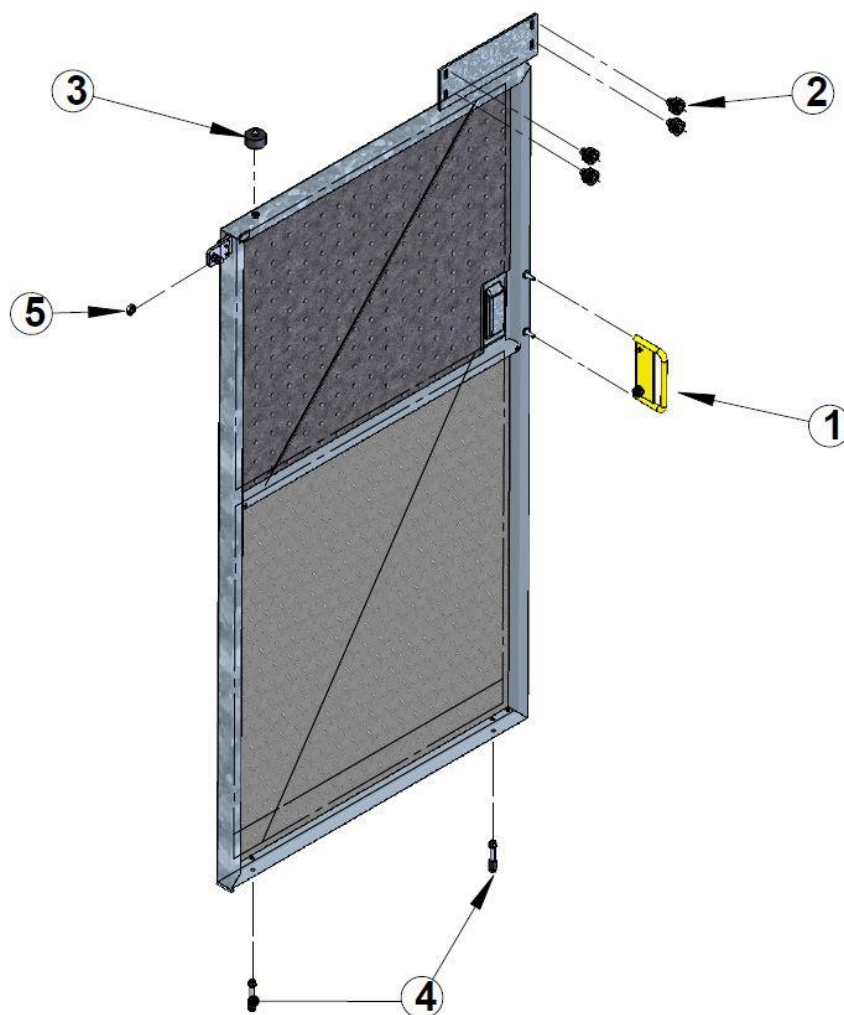
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Section C – Loading Unit



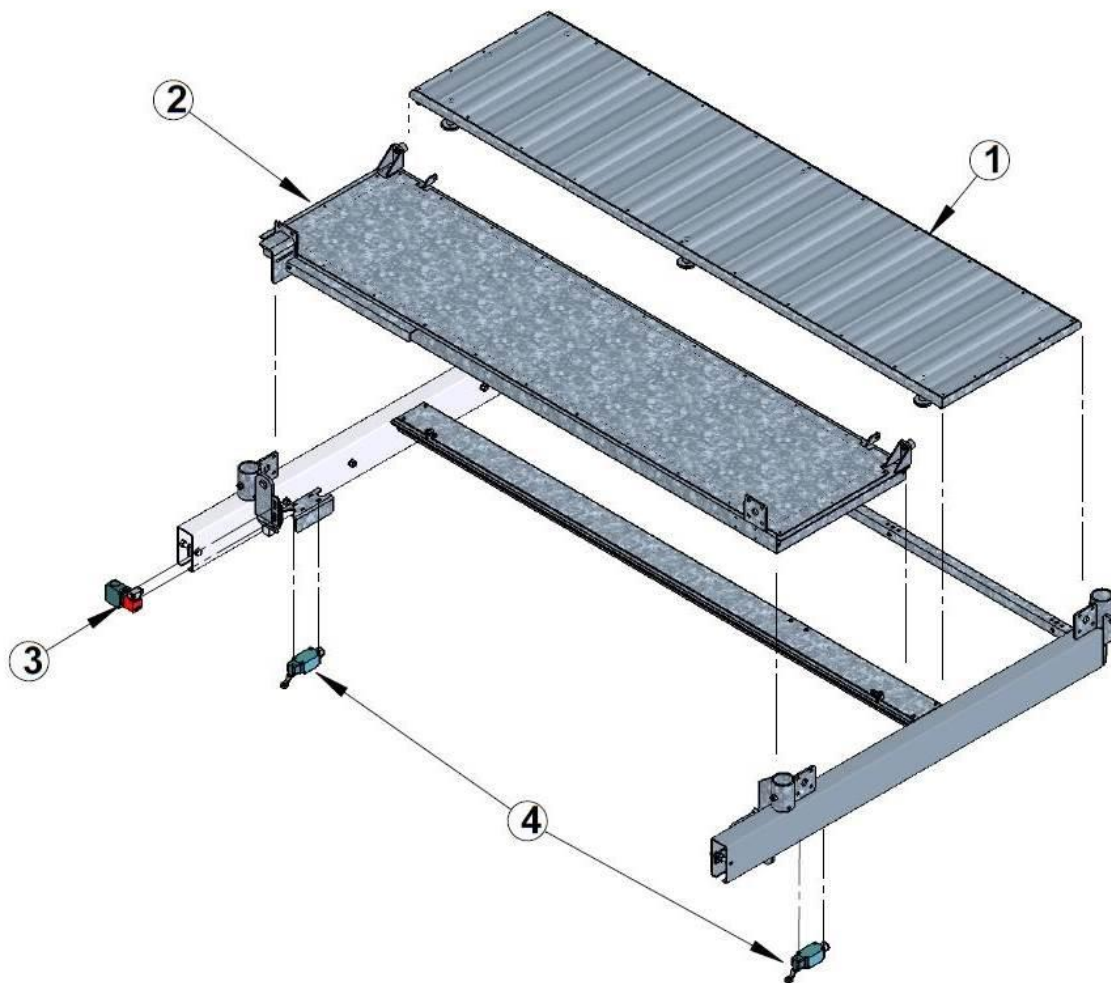
Item	Part Number	Description	Notes
--	##	Loading Unit	----
1	##	Loading Unit Base	----
2	##	Loading Unit Floor	----
3	10-617	Loading Unit Front Panel	----
4	30-388	Entry Door	----
5	##	Exit Door	----
6	##	Roof Hatch Assembly	----
7	##	Loading Unit Back Panel Assembly	----
8	##	Erection Platform	----
9	30-271	Loading Unit Guide Rollers	----
10	##	Entry Door Lock	----
11	##	Exit Door Lock	----

Loading Unit Entry/Exit Door



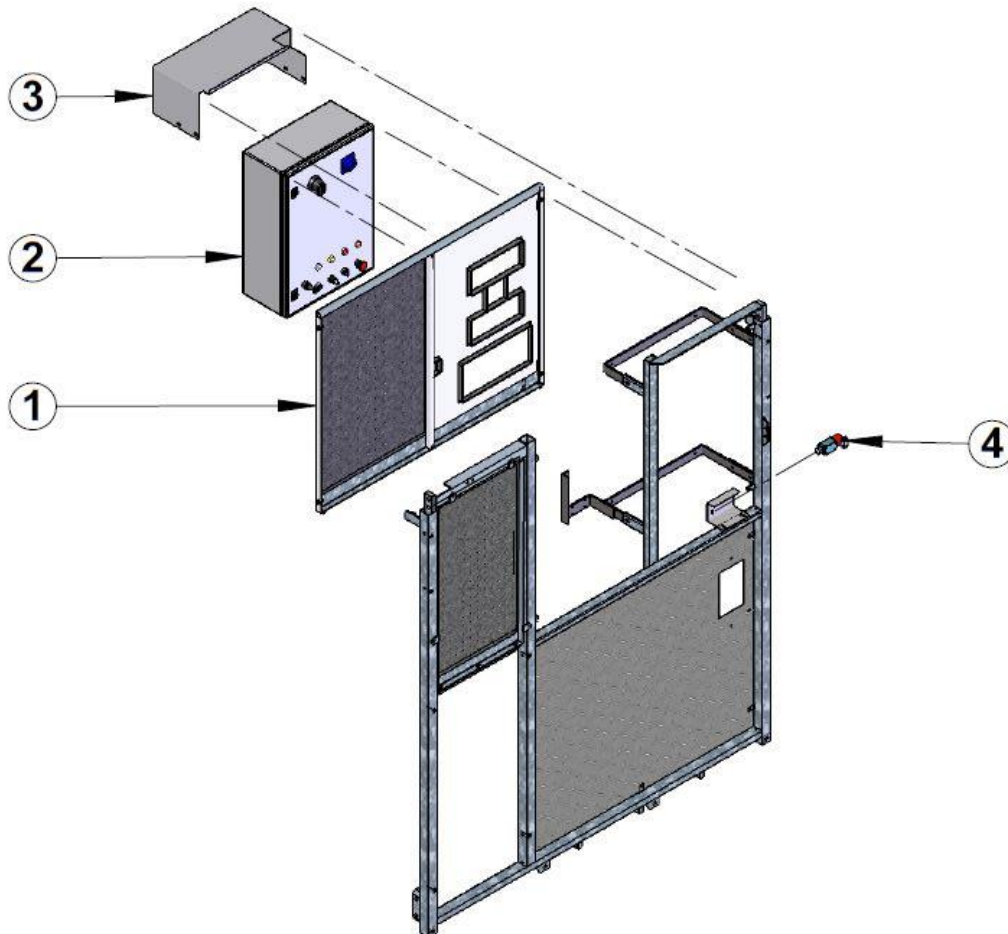
Item	Part Number	Description	Notes
--	30-388	Entry Door Assembly	----
--	##	Exit Door Assembly	
1	10-266	Loading Unit Door Handle	----
2	10-965-1	Loading Unit Door Hanging Roller	----
3	10-965	Roller, Door Alignment	----
4	30-270	Cabin Door Guides	----
5	00000000002113	Cabin Door Guide Roller	----

Roof Hatch Assembly



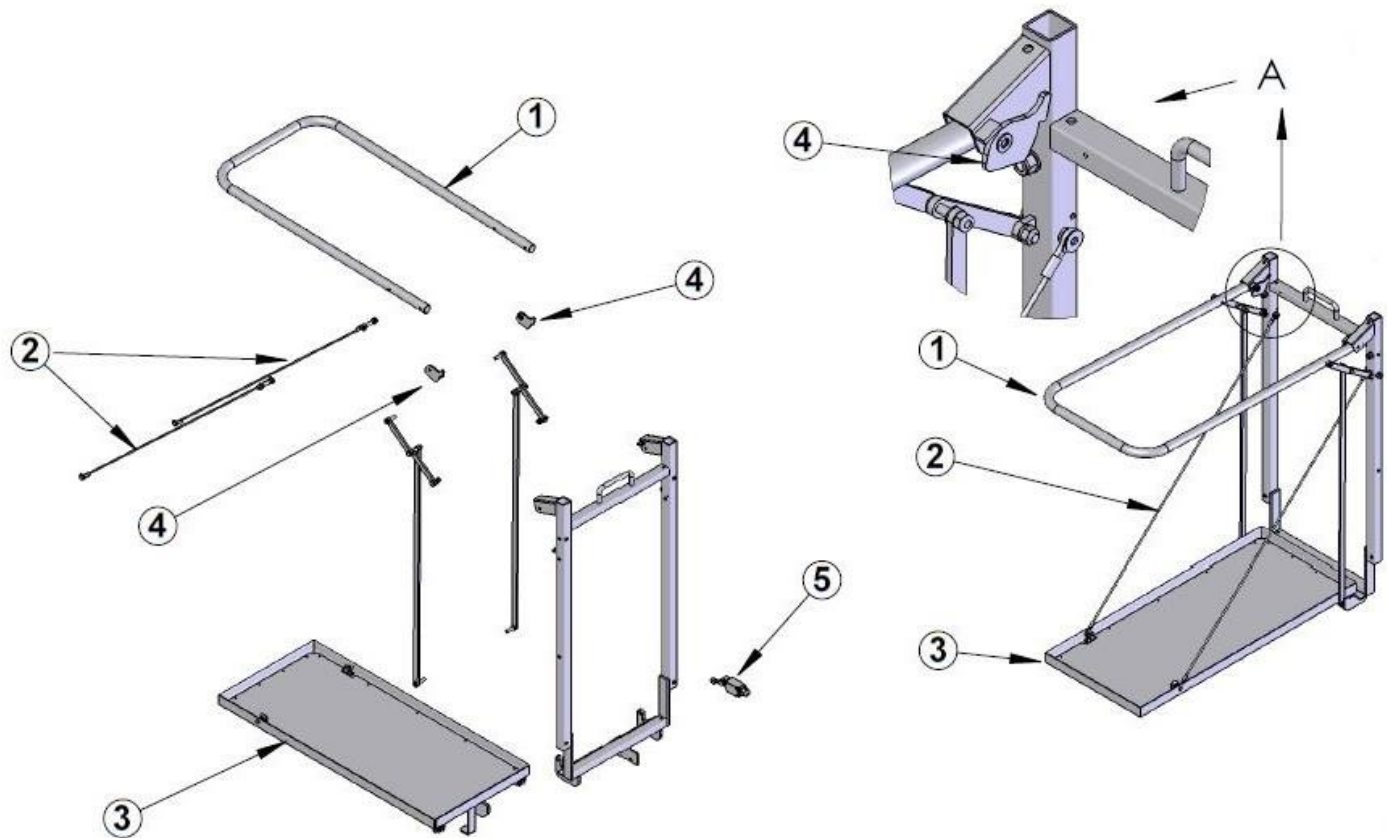
Item	Part Number	Description	Notes
--	##	Roof Hatch Assembly	----
1	10-494	Roof Panel	----
2	10-495	Roof Hatch	----
3	00000000001491	Limit Switch Keyed	----
4	00000000001347	Door Position Limit Switch	----

REAR PANEL



Item	Part Number	Description	Notes
--	##	Back Panel Assembly	----
1	##	Mast Guard	----
2	##	Cabin Controller Enclosure	----
3	##	Rain Hood	----
4	00000000001491	Keyed Limit Switch	----
5	10-985	Light Fixture	Not Shown

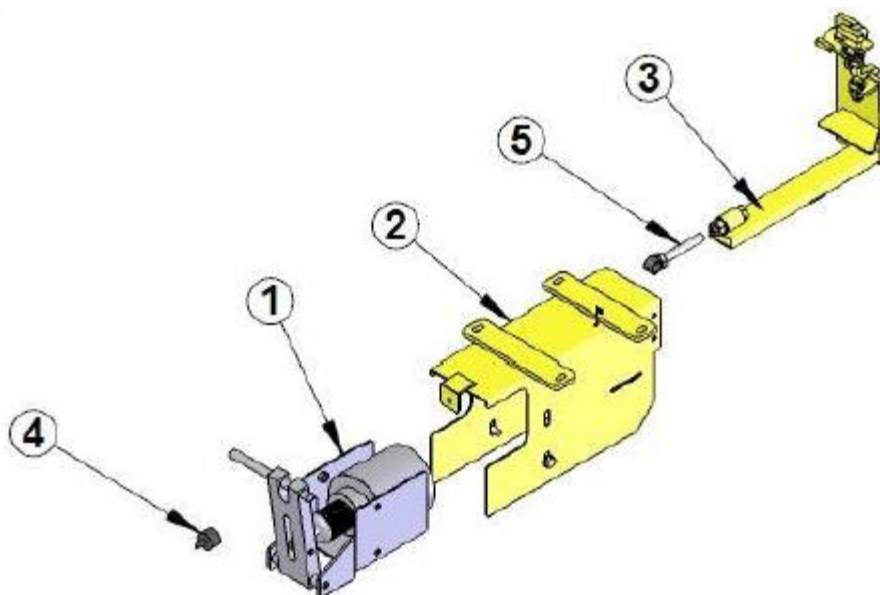
Erection Platform



Item	Part Number	Description	Notes
--	##	Erection Platform Assembly	----
1	10-489	Erection Platform Hand Rail	----
2	##	Erection Platform Support Cables	----
3	##	Erection Platform Base	----
4	##	Erection Platform Latch	----
5	00000000001347	Limit Switch	----
--	10-490	Erection Platform Vertical Hinge	

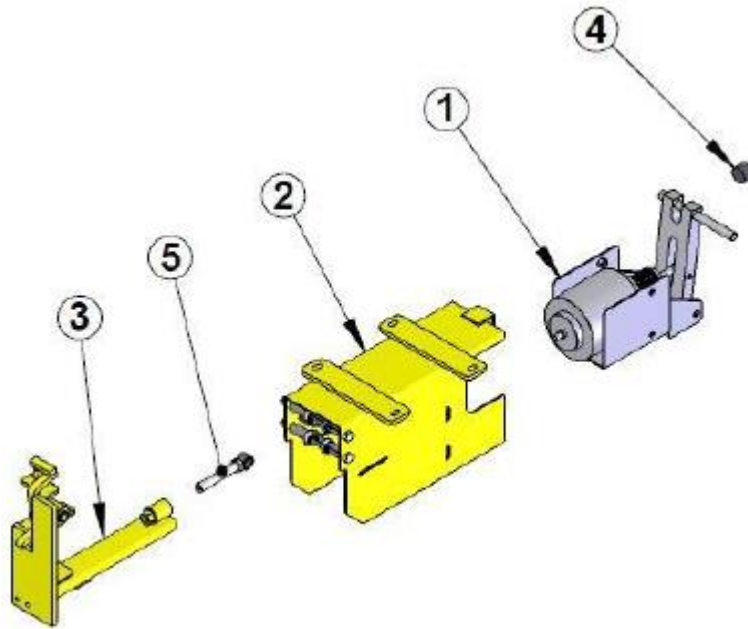
Loading Gate Solenoid Assembly

Entry Door Lock



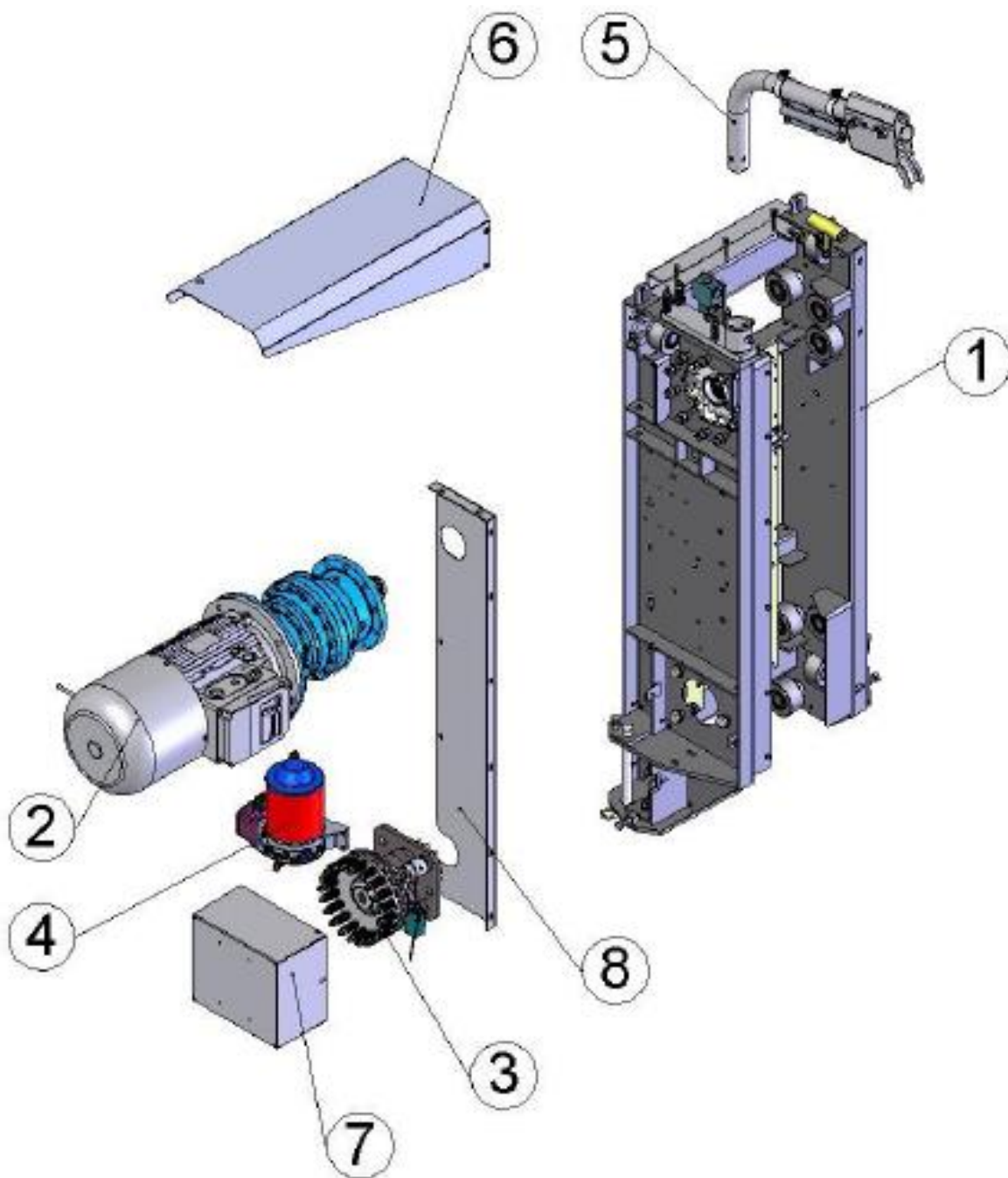
Item	Part Number	Description	Notes
--	10-966-1	Entry Door Lock Assembly	----
1	000000000001971	Solenoid, Cabin Door	----
2	10-487	Door Lock Frame	----
3	10-496	Mechanical Lock	----
4	##		----
5	##		----

Exit Door Lock



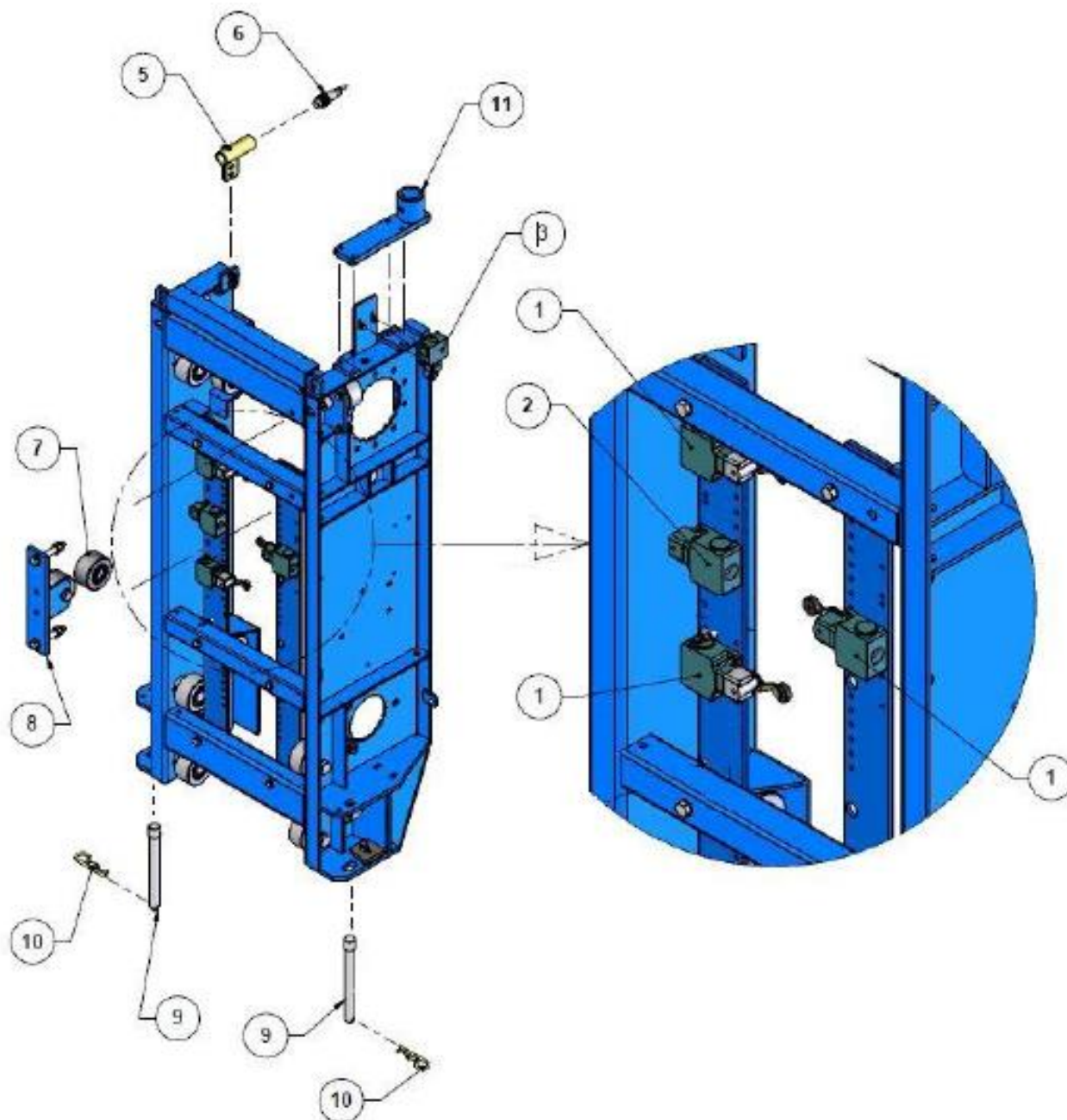
Item	Part Number	Description	Notes
--	10-966	Exit Door Lock Assembly	----
1	000000000001971	Solenoid, Cabin Door	----
2	10-488	Door Lock Frame	----
3	10-497	Mechanical Lock	----
4	##		----
5	##		----

Section D – Lifting Unit

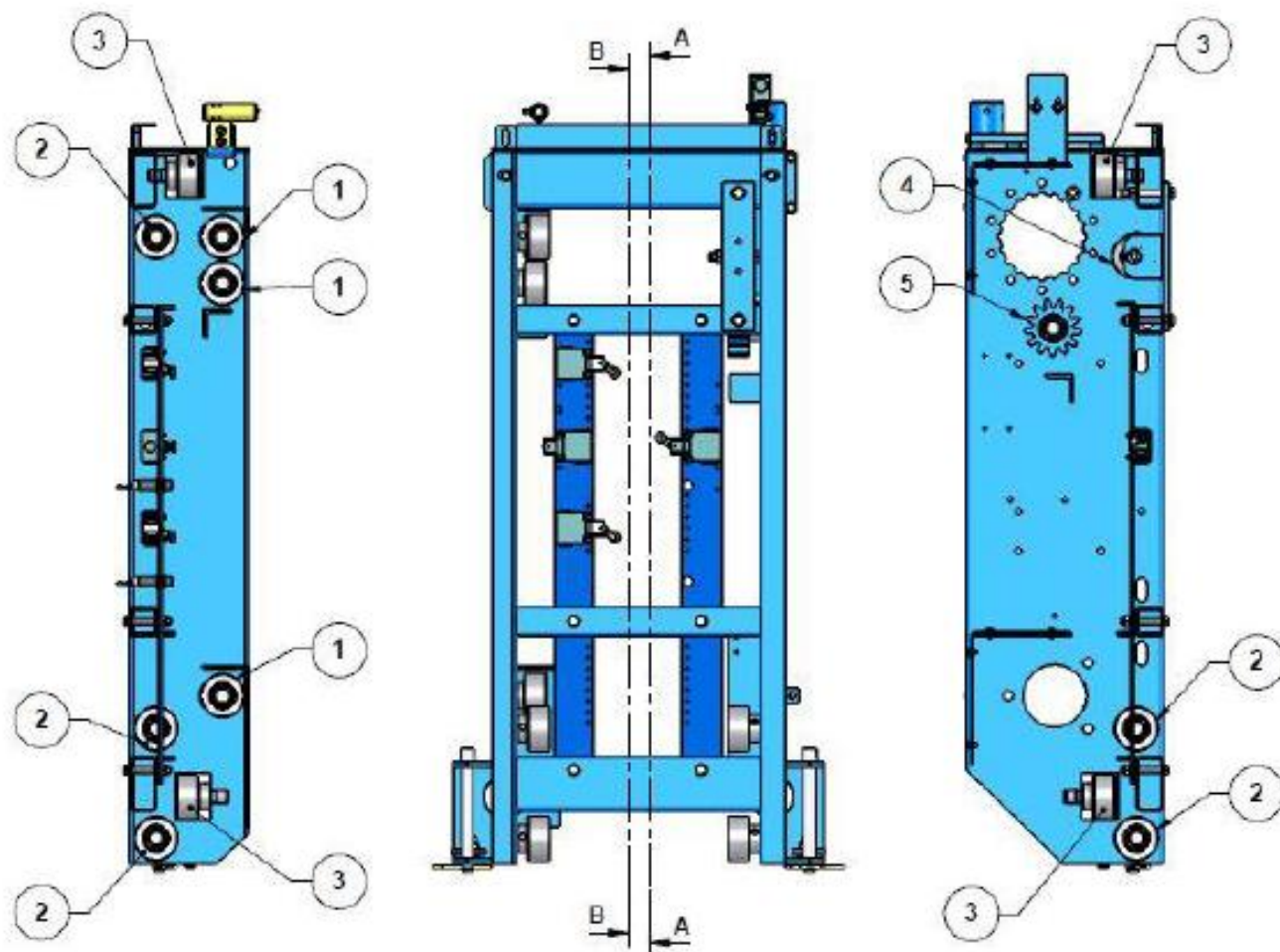


Item	Part Number	Description	Notes
--	##	Lifting Unit	----
1	##	Carriage	----
2	##	Motor/Transmission Assembly	----
3	10-970	Overspeed Device	----
4	10-268	Electric Greaser	----
5	10-267	Cable Support Arm	----
6	##	Motor Shroud	----
7	10-491	Overspeed Device Cover	----
8	##	Motor/OS Brake Pinion Guard	----
--	10-439	Cable Arm Support Reversal Brk	(Not Shown)

Lifting Unit Breakdown

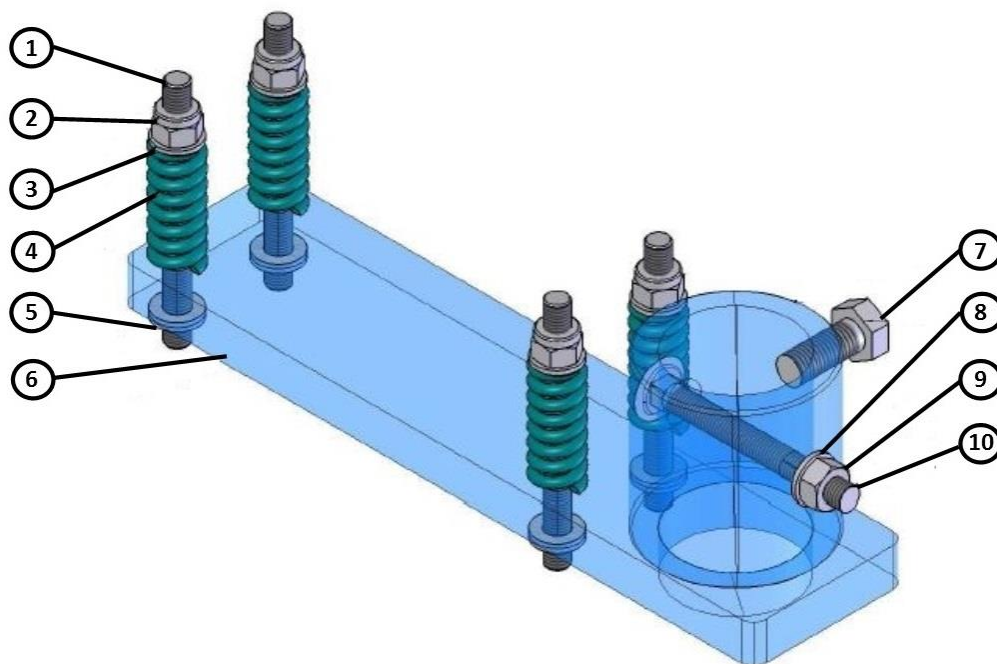


Item	Part Number	Description	Notes
1	000000000001372	Limit Switch, Floor Stop/Up/Down	----
2	##	Limit Switch, Over Travel	----
3	10-276	Limit Switch, Anti-tear	----
4	##	Mounting Bracket, Limit Switch	----
5	10-270	Bracket, No Mast Sensor	----
6	000000000001226	Sensor, No Mast	----
7	10-992	Leaf Roller w/ Bearing	----
8	10-991	Leaf Spring	----
9	##	Attachment Pin, Loading Unit	----
10	##	Attachment Pin Clip	----
11	10-264	Cable Arm Support Plate	----
--	10-439	Cable Arm Reversing Bracket	Not Shown

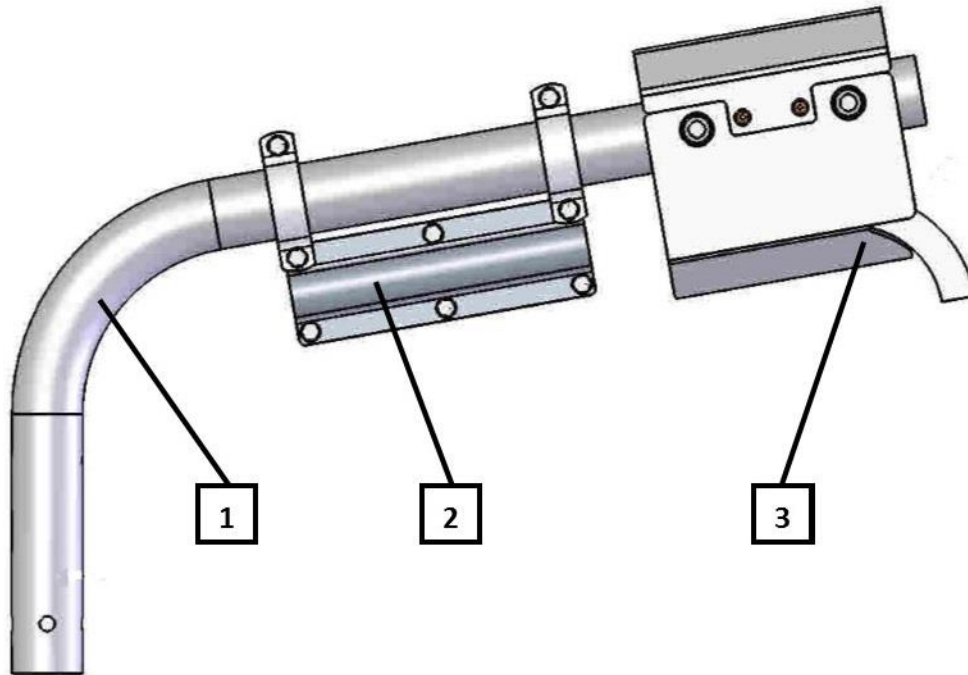


Item	Part Number	Description	Notes
1	10-983	Guide Roller, Back	D2310031
2	10-967	Guide Roller, Front	D2310030
3	10-982	Guide Roller, Side	D2310028
4	10-992	Leaf Roller w/Bearing	AC350003
5	10-269	Gear, Pinion Idler	D2310745

Cable Support Arm Bracket

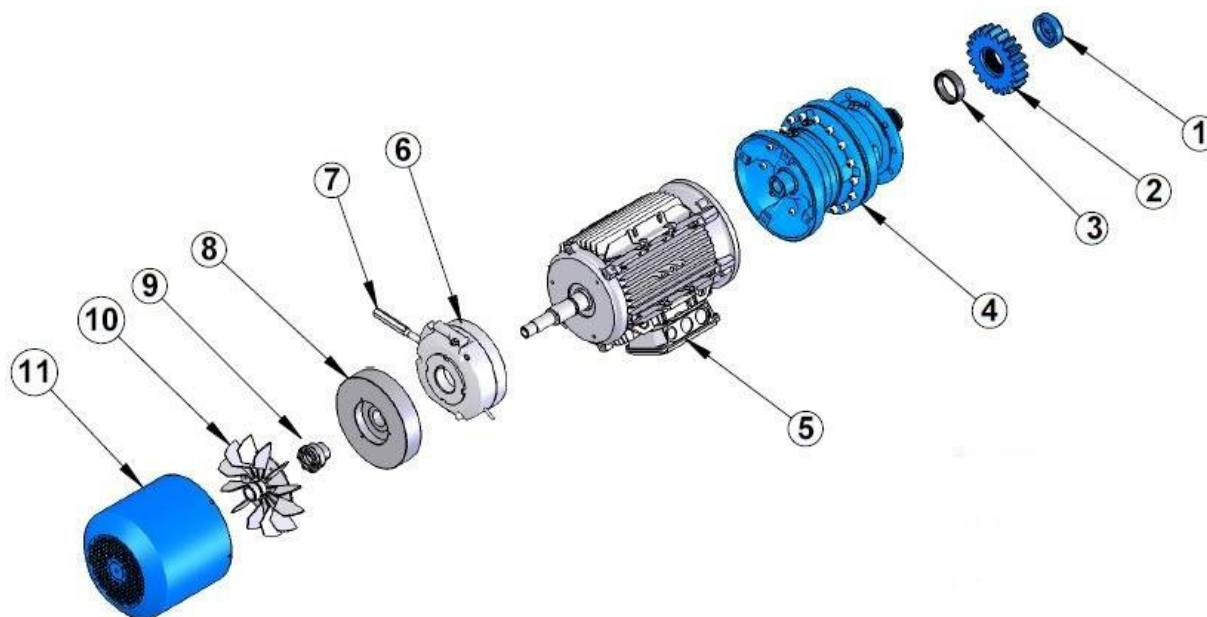


Item	Part Number	Description	Notes
--	30-391	Cable Support Arm Bracket Assembly	----
1	10-895	Spring Mounting Standoff	----
2	000000000001316	Nut M8 Nylock	----
3	000000000000016	Flat Washer M8	----
4	10-759	Springs	----
5	000000000000016	Flat Washer M8	----
6	10-264	Cable Support Arm Plate	----
7	000000000001946	Bolt M10 x 25mm	----
8	000000000000016	Flat Washer M8	----
9	000000000000581	Nut M8	----
10	000000000002212	Carriage Bolt M8 x 70mm	----



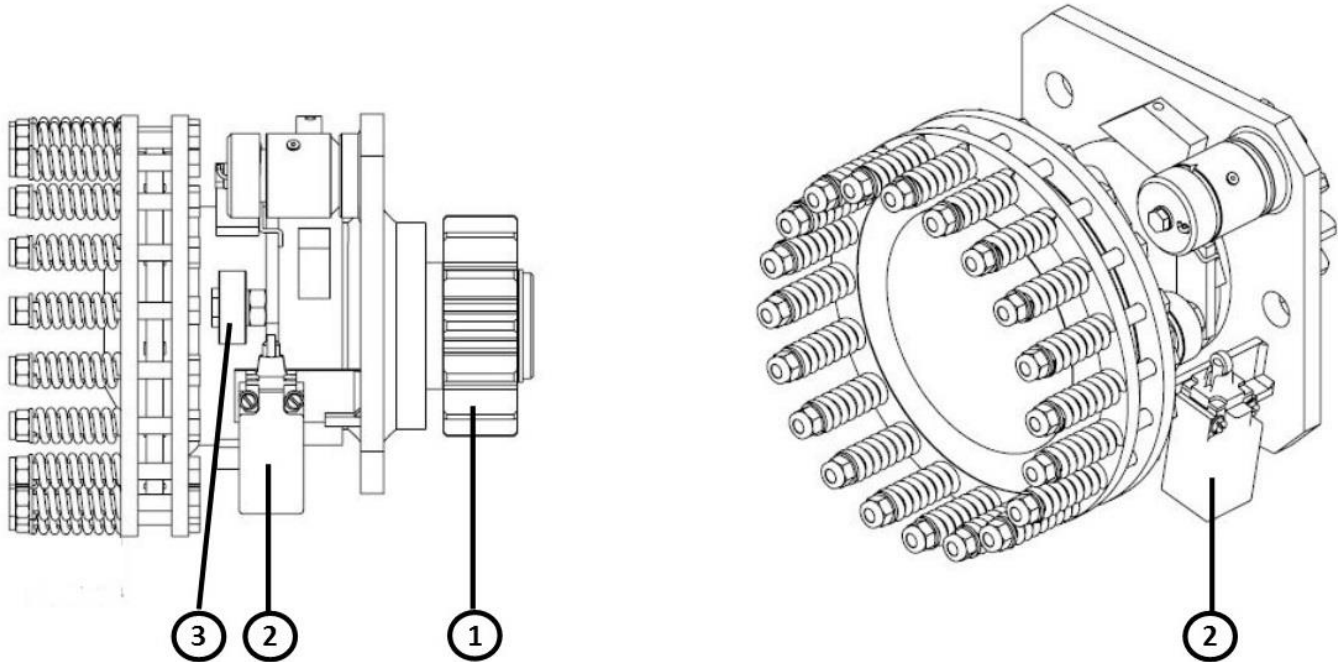
Item	Part Number	Description	Notes
--	10-267	Gooseneck Assembly	----
1	##	Gooseneck Arm	----
2	10-993	Cable Clamp	----
3	##		----

Motor/Transmission Assembly Breakdown



Item	Part Number	Description	Notes
1	10-277	Pinion Gear Lock	----
2	10-972	Pinion Gear	----
3	10-278	Pinion Spacer	----
4	##	Transmission	----
5	10-239	7.5Kw Electric Motor	----
6	10-769	Brake Coil	----
7	10-271	Brake Release Handle	----
--	10-897	Emergency Decent Handle	(Not Shown)
8	##	Balancer	----
9	##	Balancer Mounting Adapter	----
10	##	Cooling Fan	----
11	##	Fan Cover	----

Over Speed Device

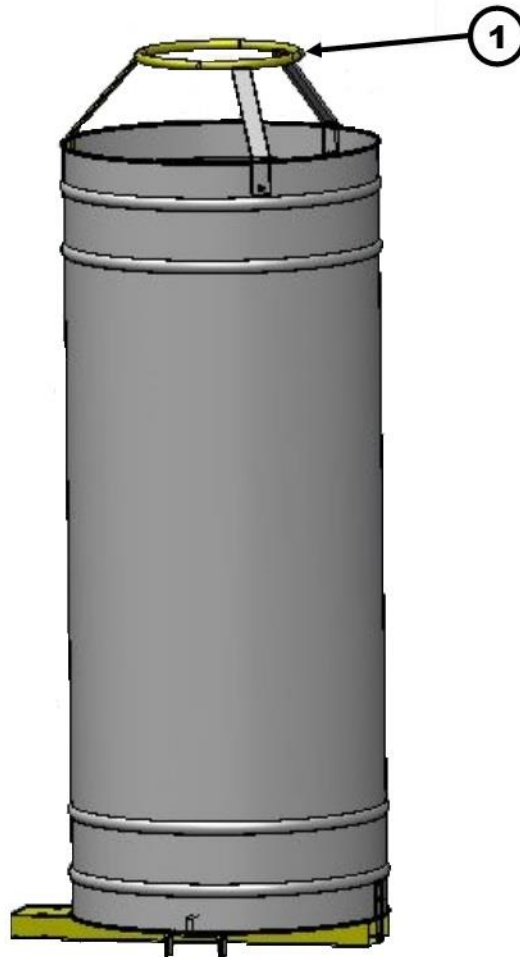


Item	Part Number	Description	Notes
--	10-970	Overspeed Brake Assembly	C1200372
1	10-971	Pinion Gear	----
2	00000000001533	Limit Switch	----
3	10-761	Roller, Brake Pawl w/Bearing	----



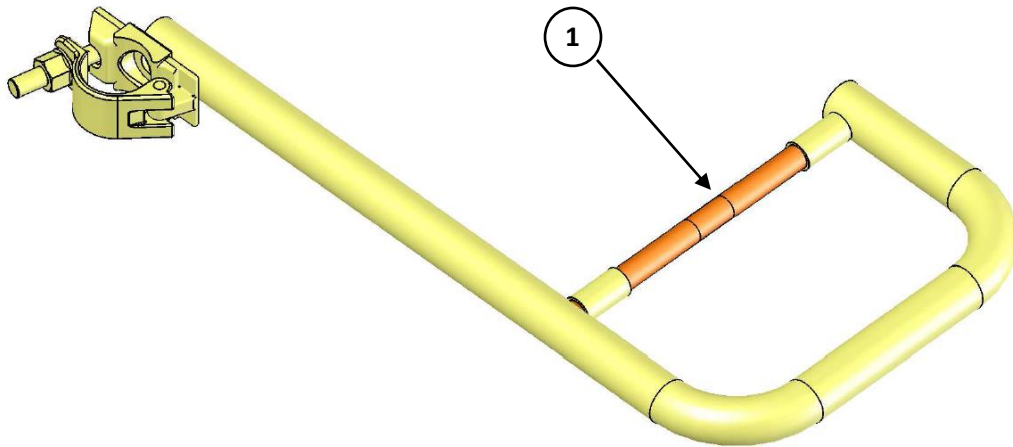
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Section E – Electric Cable Guide Unit Cable Drum



Item	Part Number	Description	Notes
--	10-953	500mm Cable Drum	----
--	10-584	700mm Cable Drum	----
1	10-953-1	500mm Cable Drum Ring	----
1	##	700mm Cable Drum Ring	----

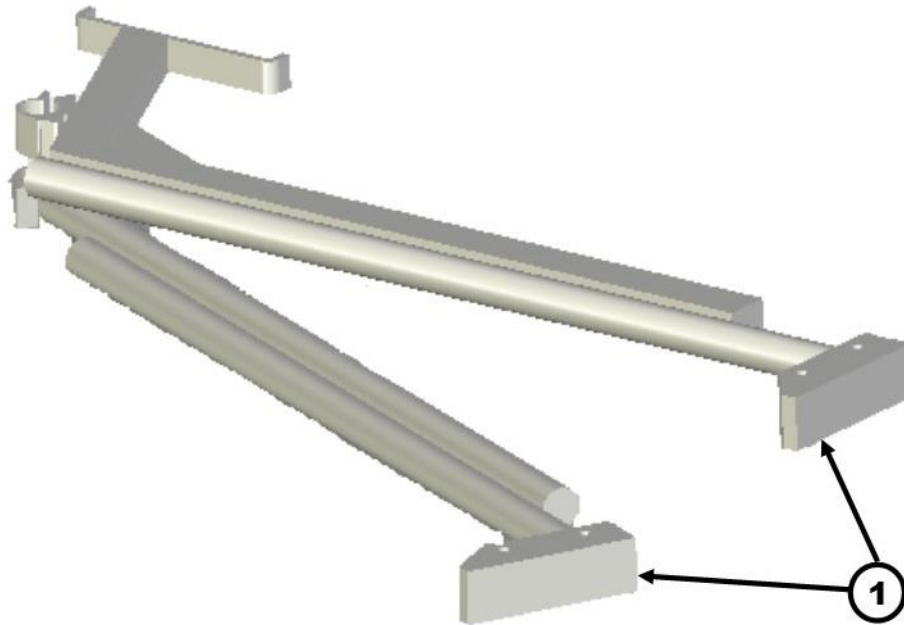
Electric Cable Guide



Item	Part Number	Description	Notes
--	30-949	Cable Guide	----
1	10-485	Fingers, Cable Guide	----

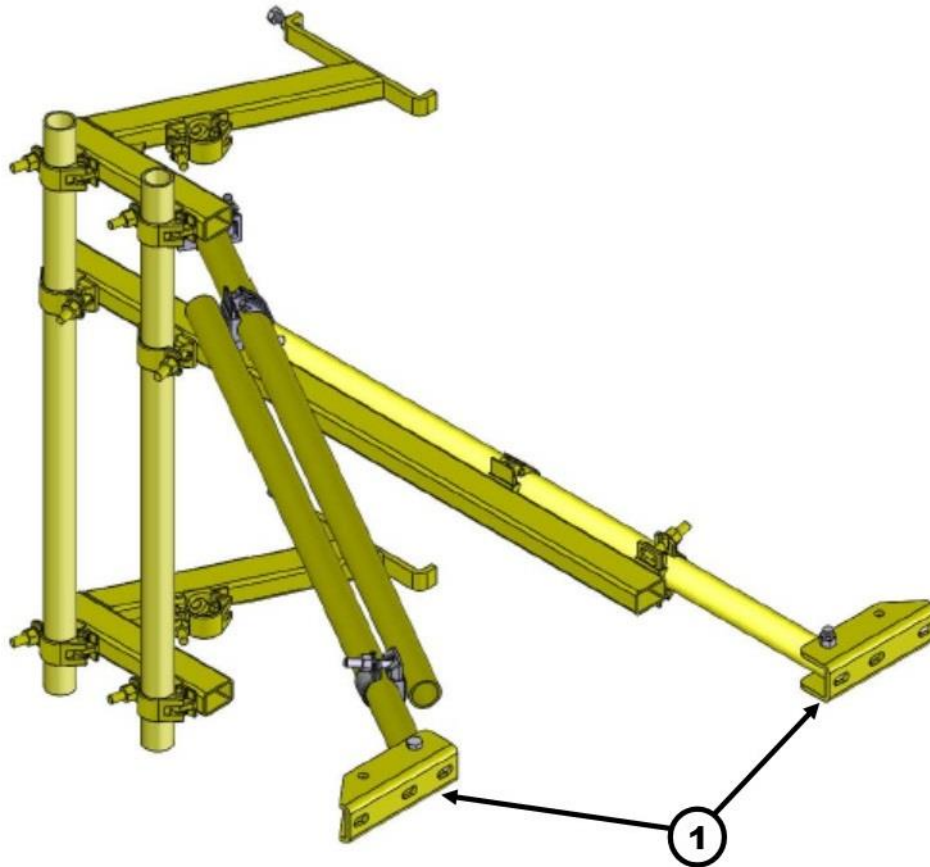
Section - F Wall Tie Assembly

Wall Tie, Type I



Item	Part Number	Description	Notes
--	10-237	Wall Tie Assembly, Type I	----
1	10-222	Wall Tie Foot	----

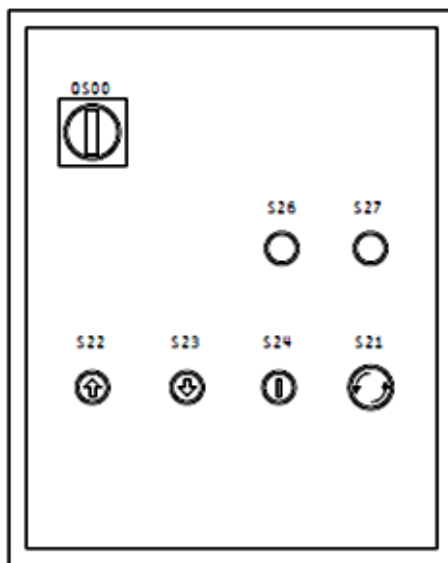
Wall Tie, Type II



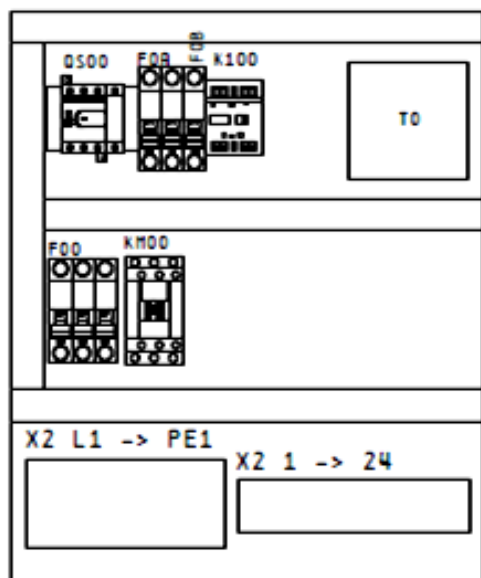
Item	Part Number	Description	Notes
--	10-887	Wall Tie Assembly, Type II	----
1	10-222	Wall Tie Foot	----

Section - G Electrical Components

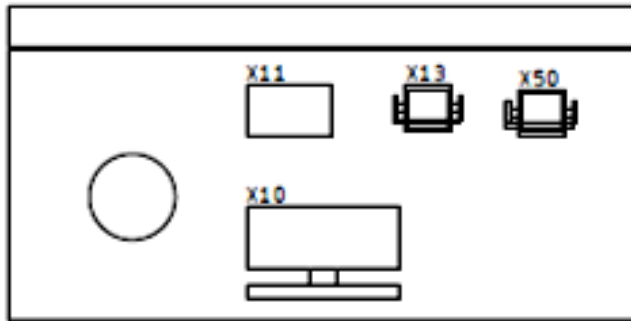
Ground Enclosure



Item	Part Number	Description	Notes
--	10-883-1	Ground Enclosure Assembly 208V	----
QS00	00000000002065	Master Switch Handle	----
S26	00000000002076	Pushbutton Head (GN Solid)	----
S26	00000000002071	Mounting Base w/ 1 NO Contact	----
S27	00000000002075	Pushbutton Head (WT Solid)	----
S27	00000000002071	Mounting Base w/ 1 NO Contact	----
S22	00000000002084	Pushbutton Head (WT – BK “Up” Arrow)	----
S22	00000000002071	Mounting Base w/ 1 NO Contact	----
S23	00000000002077	Pushbutton Head (BK – WT “DN” Arrow)	----
S23	00000000002071	Mounting Base w/ 1 NO Contact	----
S24	00000000002078	Pushbutton Head (GN – WT “I” Mark)	----
S24	00000000002071	Mounting Base w/ 1 NO Contact	----
S21	00000000002074	Emergency Stop Pushbutton Head	----
S21	00000000002072	Mounting Base w/ 1 NC Contact	----



Item	Part Number	Description	Notes
QS00	00000000002067	Master Switch	----
QS00	00000000002069	Master Switch Rod Adapter	----
F0A	##	Circuit Breaker 5SY42 D1	----
F0B	##	Circuit Breaker 5SY41 C4	----
K100	00000000002095	Contactor	----
T0	10-717	Transformer, 100VA Multi-Tap 0-24VAC	----
F00	##	Circuit Breaker 5SY43 D50	----
KM00	00000000002097	Contactor, 3PL 50A 400V 24V/60Hz	----
KM00	00000000002098	Auxiliary, FRT 10A 250V 1NC	----
KM00	00000000002064	Contactor Surge Suppressor	----

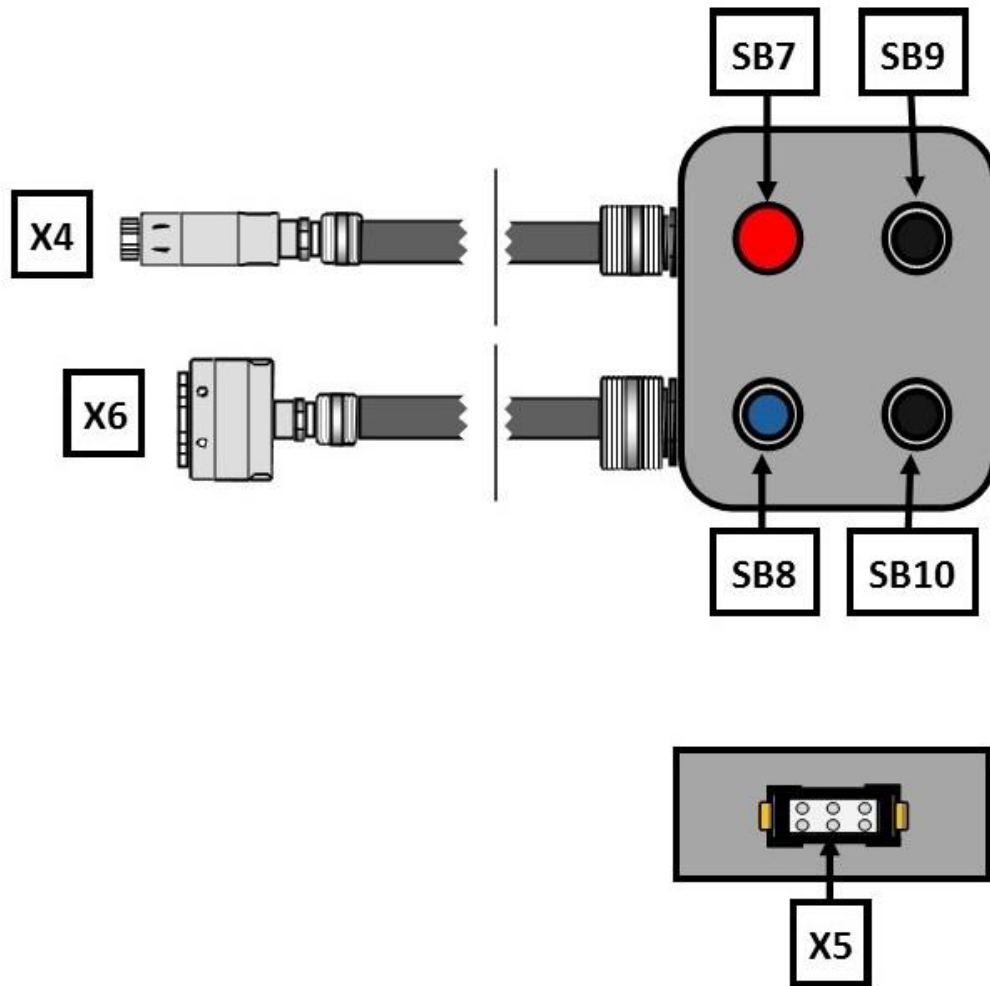


Item	Part Number	Description	Notes
X10	##	Base 24B Bulkhead MT Single Lever	----
X10	000000000001862	Insert 24B 4-8 Female	----
X11	000000000001871	Base 6B Bulkhead MT Single Lever	----
X11	000000000001875	Insert 6B 6 Pole Female	----
X13	000000000000233	Base 4B Bulkhead MTG Single Lever	----
X13	000000000000242	Insert 4 Pole Female	----
X50	000000000000233	Base 4B Bulkhead MTG Single Lever	----
X50	000000000000242	Insert 4 Pole Female	----



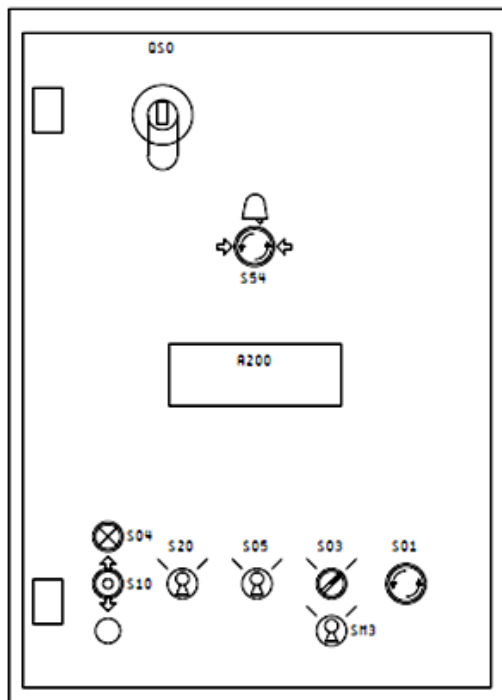
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Landing Call Box



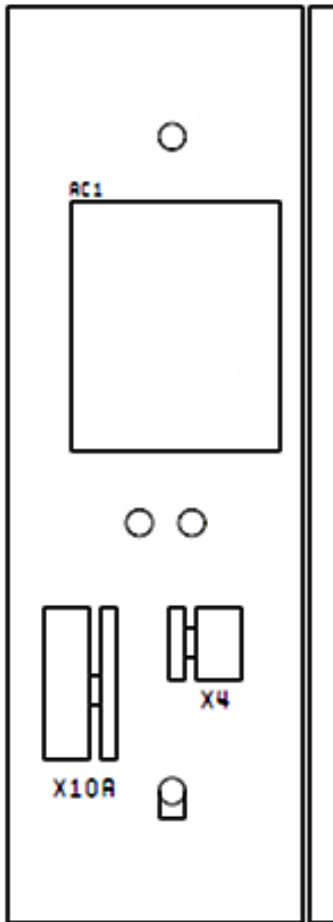
Item	Part Number	Description	Notes
--	30-948	Floor Call Box Assembly	Includes all items bellow
X4	00000000001286	Hood, Cable to Cable 4 Pin	----
X4	00000000000242	Insert 4B Female	----
X6	00000000001872	Hood 6B Top ENT PG16 MT SNGL	----
X6	00000000000831	Insert 6B 6 Pole Male	----
SB7	30-954	E-Stop Assembly	----
SB7	00000000001519	Contact Block N.C.	----
SB8	00000000001755	Pushbutton BLU	----
SB8	00000000001729	Contact Block N.O.	----
SB9	00000000001720	Pushbutton BLK	----
SB9	00000000001729	Contact Block N.O.	----
SB10	00000000001720	Pushbutton BLK	----
SB10	00000000001729	Contact Block N.O.	----
X5	00000000001871	Base 6B Bulkhead MT SNGL Lever	----
X5	00000000001875	Insert 6B 6 Pole Female	----

Cabin Enclosure



Item	Part Number	Description	Notes
QSO	00000000002066	Master Switch Handle	----
S54	00000000002089	Pushbutton Head (YW Solid)	----
S54	00000000002072	Mounting Base w/ 1 NC Contact	----
A200	10-716	Alarm/Status Board	----
S04	00000000002083	Pushbutton Head (GN Transparent)	----
S04	00000000002082	LED Mounting Base w/ 1 NC Contact	----
S10	00000000001271	Joystick w/ Mount	----
S10	00000000002039	NO Contact Block	----
S10	00000000002039	NO Contact Block	----
S20	##	Key Selector Switch Head	----
S20	00000000002071	Mounting Block w/ 1 NO Contact	----
S20	00000000002073	NO Contact Block	----

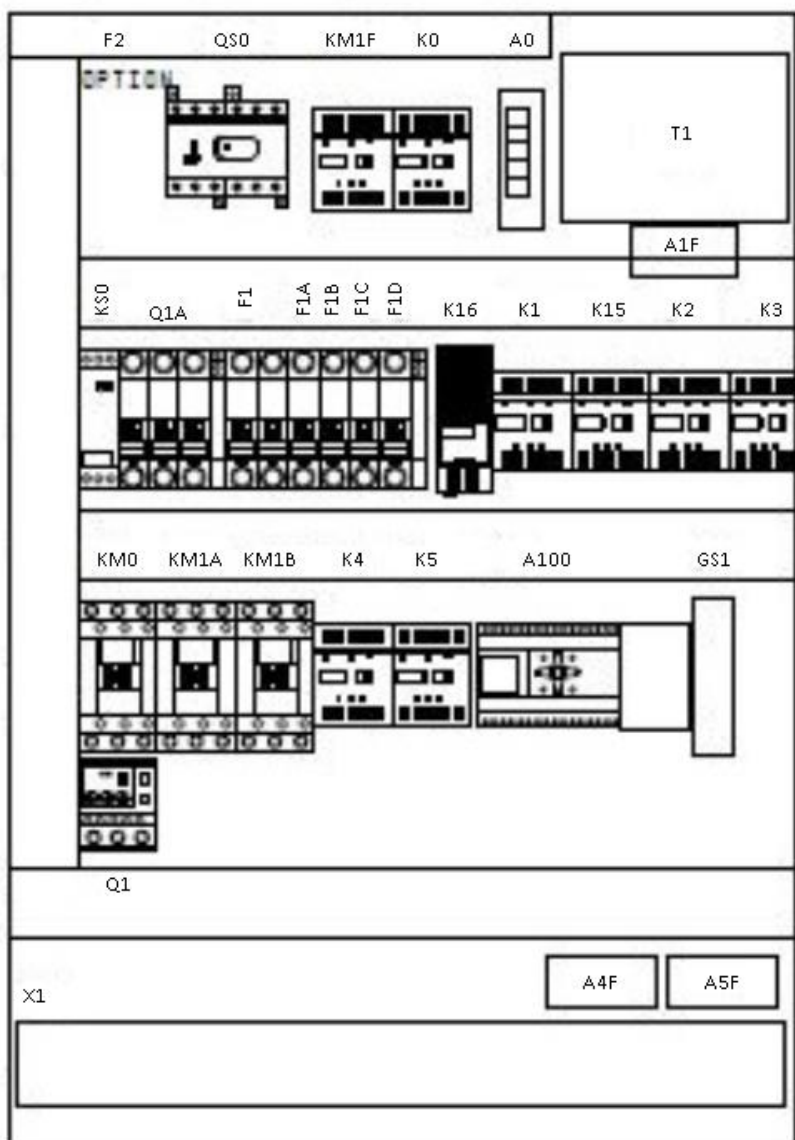
Item	Part Number	Description	Notes
S20	00000000002073	NO Contact Block	----
S05	00000000002085	Key Selector Switch Head	----
S05	00000000002086	Switch Fixing Adapter	----
S05	00000000002087	NO Contact Block	----
S05	00000000002087	NO Contact Block	----
S05	00000000002276	Key	----
S03	00000000002079	Selector Switch Head (BK)	----
S03	00000000002071	Mounting Base w/ 1 NO Contact	----
S03	00000000002073	NO Contact Block	----
S01	00000000002074	Emergency Stop Pushbutton Head	----
S01	00000000002072	Mounting Base w/ 1 NC Contact	----
SM3	00000000002081	Key Selector Switch Head	----
SM3	00000000002071	Mounting Base w/ 1 NO Contact	----
X100	##	Blue Power Receptacle	----
X100	##	Cover	----



Item	Part Number	Description	Notes
AC1	10-948	Overload Computer	Includes (2) Transducers
--	00000000002198	Fuse Holder for AC1	Not Shown
X4	00000000001871	Base 6B Bulkhead MT Single Lever	----
X4	00000000001875	Insert 6B 6 Pole Female	----
X10A	##	Base 24B Bulkhead MT Single Lever	----
X10A	00000000001861	Insert 24B 4-8 Male	----



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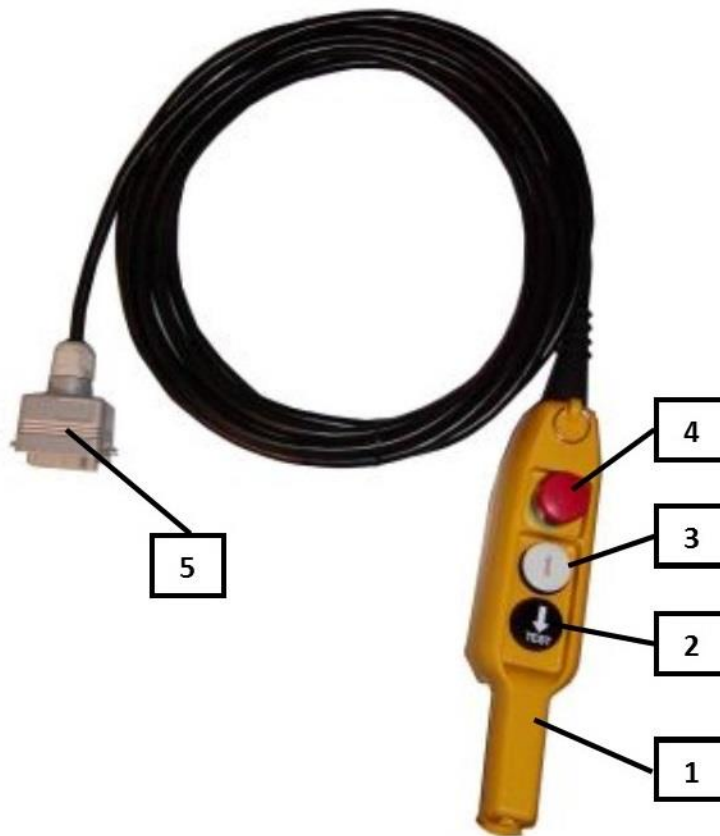
Item	Part Number	Description	Notes
QS0	00000000002068	Master Switch, 3PL 40A DT	----
QS0	00000000002069	Master Switch Rod Adapter 235MM	----
KM1F	00000000002100	Contactor, 3PL 9A 400V 1NC 24V/60Hz	----
K0	00000000002094	Contactor, 10A 230V 2NO+2NC 24V/60Hz	----
A0	##	Hour Meter	----
T1	10-718	Transformer, 500VA Multi-tap 0-24V 0-230V	----
A1F	00000000002103	Motor Brake Rectifier	----
KS0	00000000002093	Phase Monitor, 3X 160-690V 1CO	----
Q1A	##	Circuit Breaker 5SY43 D50	----
Q1A	##	Auxiliary, Side 5ST301 AS	----
F1	##	Circuit Breaker 5SY42 D4	----
F1A	00000000002167	Circuit Breaker 5SY61 C6	----
F1B	00000000002154	Circuit Breaker 5SY61 C2	----
F1C	00000000002154	Circuit Breaker 5SY61 C1	----
F1D	##	Circuit Breaker 5SY61 C1	----
F1D	##	Auxiliary, Side 5ST301-AS	----
K16	00000000002092	Relay, MY2-24VAC (S)	----
K16	00000000002090	Relay Base	----
K16	00000000002091	Relay Lock	----
K1	00000000002094	Contactor, 10A 230V 2NO+2NC 24V/60Hz	----
K15	00000000002095	Contactor, 3PL 10A 230V 3NO+1NC 24V/60Hz	----
K2	00000000002094	Contactor, 10A 230V 2NO+2NC 24V/60Hz	----
K3	00000000002094	Contactor, 10A 230V 2NO+2NC 24V/60Hz	----
KM0	00000000002055	Contactor, 3PL 38A 400V 1NO+1NC 24V/60Hz	----
KM0	00000000002102	Auxiliary, FRT 10A 240V 4NO	----

Item	Part Number	Description	Notes
Q1	00000000002070	Motor Overload, 10-40A 1NO+1NC	----
KM1A	00000000002055	Contactor, 3PL 38A 400V 1NO+1NC 24V/60Hz	----
KM1A	00000000002099	Auxiliary, SIDE 10A 240V 1NO+1NC	----
KM1A	00000000002101	Auxiliary, FRT 10A 240V 2NO	----
KM1A	00000000002096	Wiring Kit w/Mechanical Interlock	----
KM1B	00000000002055	Contactor, 3PL 38A 400V 1NO+1NC 24V/60Hz	----
KM1B	00000000002099	Auxiliary, SIDE 10A 240V 1NO+1NC	----
KM1B	00000000002101	Auxiliary, FRT 10A 240V 2NO	----
K4	00000000002095	Contactor, 3PL 10A 230V 3NO+1NC 24V/60Hz	----
K5	00000000002095	Contactor, 3PL 10A 230V 3NO+1NC 24V/60Hz	----
A100	10-894	Smart Relay, SR2 w/Clock	----
GS1	00000000002056	Regulator, 12VDC/2A	----
A4F	00000000001972	Rectifier, Door Lock 1A 500V	----
A5F	00000000001972	Rectifier, Door Lock 1A 500V	----



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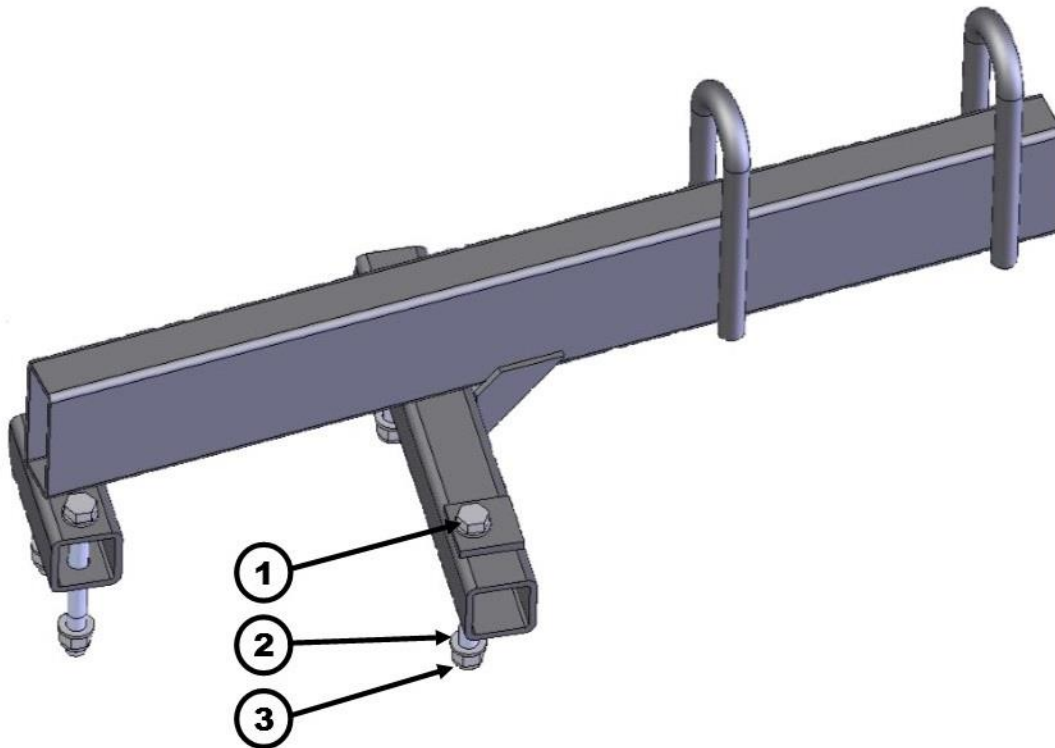
Drop Test Pendant



Item	Part Number	Description	Notes
--	30-963	Drop Test Pendant Assembly	----
1	000000000001711	Pendant Housing	Includes Items 2-4
2	##	Pushbutton BLK w/ DOWN Arrow	----
3	##	Pushbutton WHT w/ UP Arrow	----
4	000000000001025	Pushbutton Emergency Stop	----
5	000000000000841	Hood 6B Top Entry PG16	----
5	000000000000831	Insert 6B Male	----

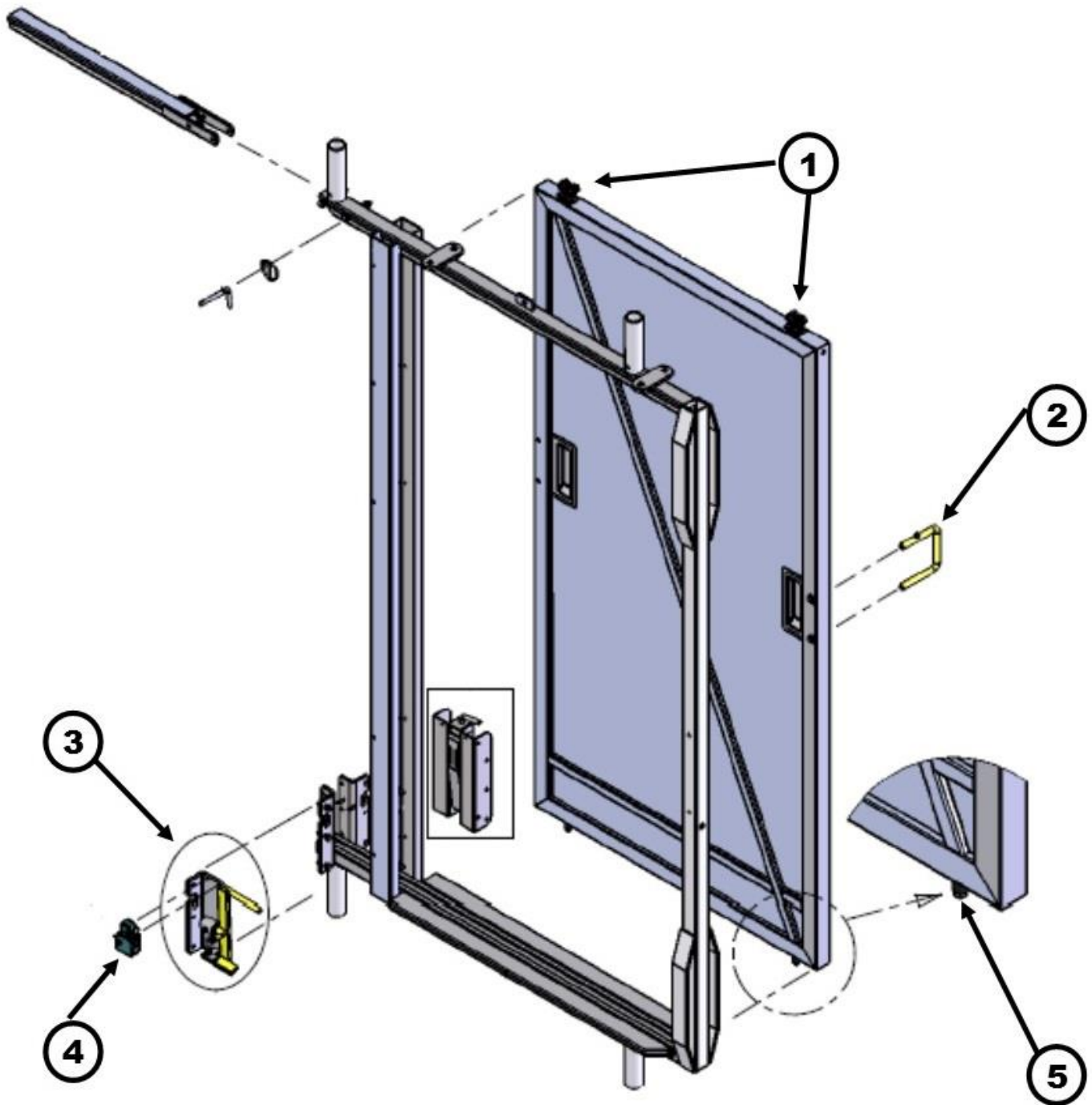
Section H - Accessories

Unit Lifting Eye



Item	Part Number	Description	Notes
--	10-947	Unit Lifting Eye	----
1	10-322	Bolt, 16mm x 160mm	----
2	00000000001017	Washer, 16mm	----
3	00000000001015	Nut, 16mm Nylock	----

Reversible Landing Gate



Item	Part Number	Description	Notes
--	10-884	Landing Gate, Reversible	----
1	10-392	Sliding Door Guide Rollers	----
2		Sliding Door Handle	----
3	10-892	Reversible Interlock Bracket	Needed to reverse the door direction
4	00000000002123	Limit Switch	----
5		Sliding Door Guide Pin	----