

Parts Manual

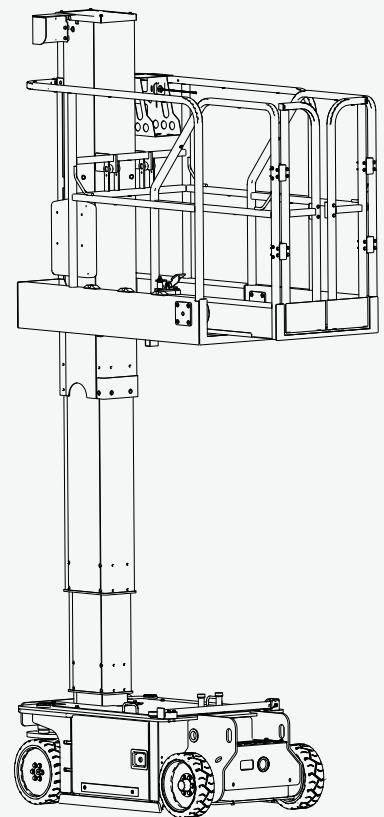
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August 2024

Translated version

VM05EL (VM05EL/VM160EL) *From 1000500100 to present*



CE   GB

SINOBOOM



WARNING

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure and avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle or equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing. For more information, go to: www.P65warnings.ca.gov.

For disposal, please comply with local regulations.

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TO USERS

Thank you for choosing and using the machine of **Hunan Sinoboom Intelligent Equipment Co., Ltd.**

This manual is intended to provide users with necessary parts information. This manual covers the basic configuration information of one or more models. Please refer to the information applicable to your machine model. When replacement parts are required, **Hunan Sinoboom Intelligent Equipment Co., Ltd** recommends that only the original or recommended parts be used. When ordering replacement parts, the complete part number and description should be used to ensure proper identification and delivery of the desired item. This complete identification should also be used when requesting equipment information.

Due to continuous improvement and upgrading of product design and different product models covered, some charts and texts in the manual may be not applicable to your machine. Our company reserves the right to revise the manual due to technical improvement, and the manual is subject to change without further notice. Please contact Sinoboom or its authorized agent for the latest manual.

Please go to www.sinoboom.com to download your desired Operation Manual, Maintenance Manual and Parts Manual. Consider this manual as a part of the machine, and always keep the manual with the machine. Without the written permission of Sinoboom, do not copy, spread, sell or alter the manual.

If you have any questions, contact **Hunan Sinoboom Intelligent Equipment Co., Ltd.**

Manual Revision History:

[illegible]

APPLICABLE MODELS

The manual applies to the following models and serial numbers:

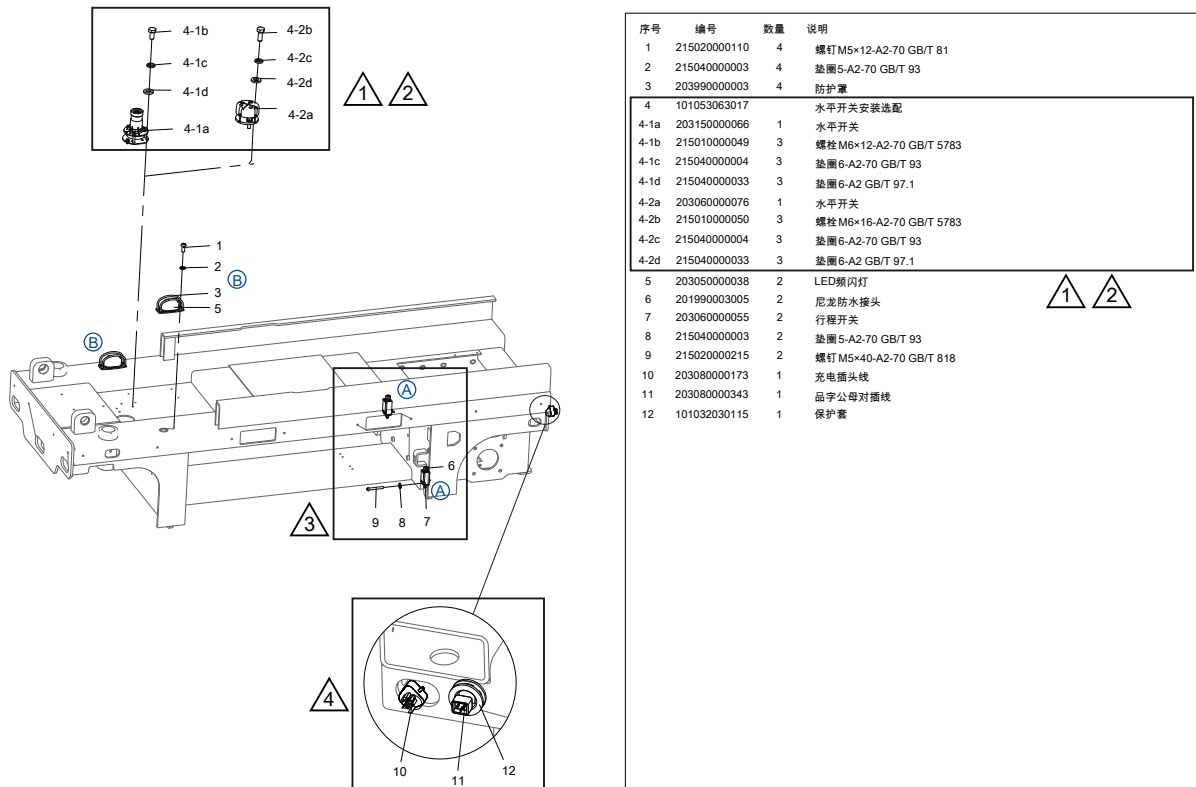
Model	Metric Trade Name	Imperial Trade Name	Serial No.
VM05EL	VM05EL	VM160EL	From 1000500100 to present

Note:

- Check the machine model and serial number on the machine nameplate, and whose position can be found in the ***Decals Diagram*** section of the Parts Manual
- Product model numbers are indicated on the nameplates to distinguish products with different main technical parameters.
- Product trade identification is indicated on marketing materials and machine decals for distinction of products with different main parameters, and can be classified as metric type and imperial type: the metric trade identification is applicable to the machines for countries/regions using metric system or as specially required by customers; the imperial trade identification is applicable to the machines for countries/regions using imperial system or as specially required by customers.

NOTE

1. The special meanings expressed in the illustrations and tables in this manual are explained as follows:



- 1 Add "-1, -2, -3....." after the number to represents an option (one multiple choice), such as choose 3-1 and 3-2 according to specific needs.
- 2 Add "lowercase a, b, c....." after the number to indicate a variety of components, such as 1a and 1b to make up 1.
- 3 "A, B, C....." in figure indicates the same parts in many positions, and the same position is indicated by the same symbol.
- 4 The diagram indicated by the lead is a local enlargement or a local illustration.

2. The optional parts are not interchangeable by default, unless otherwise specified in special circumstances.

3. In the remarks of the parts list (e.g., SC:100XXXX), the 7-digit number following "SC:" represents the supplier information for the part, which can be found on the corresponding part (usually on the part nameplate or at the steel stamp location). With this information, you can then identify the required part number from multiple optional parts.

Nameplate Illustration Sample



4. If you require a specific spare part color, please note the Sinoboom code when placing your order. The corresponding Sinoboom codes for different colors can be found in the table below:

Color Description	Code	Color Description	Code	Color Description	Code
RAL2002	01	RAL7039	15	RAL4010	24
RAL7024	02	RAL1021	16	XB0003G	26
RAL7015	03	RAL7016	17	RAL9003	29
RAL5012	04	RAL110-M	19	RAL7035	30
RAL9017	07	RAL1028	20	RAL9005	31
RAL2020	08	RAL1004	21	PANTONE 2728C	32
RAL5002	12	XB0001G	22	RAL3024	33
RAL3002	14	XB0002G	23	XB0006B	34

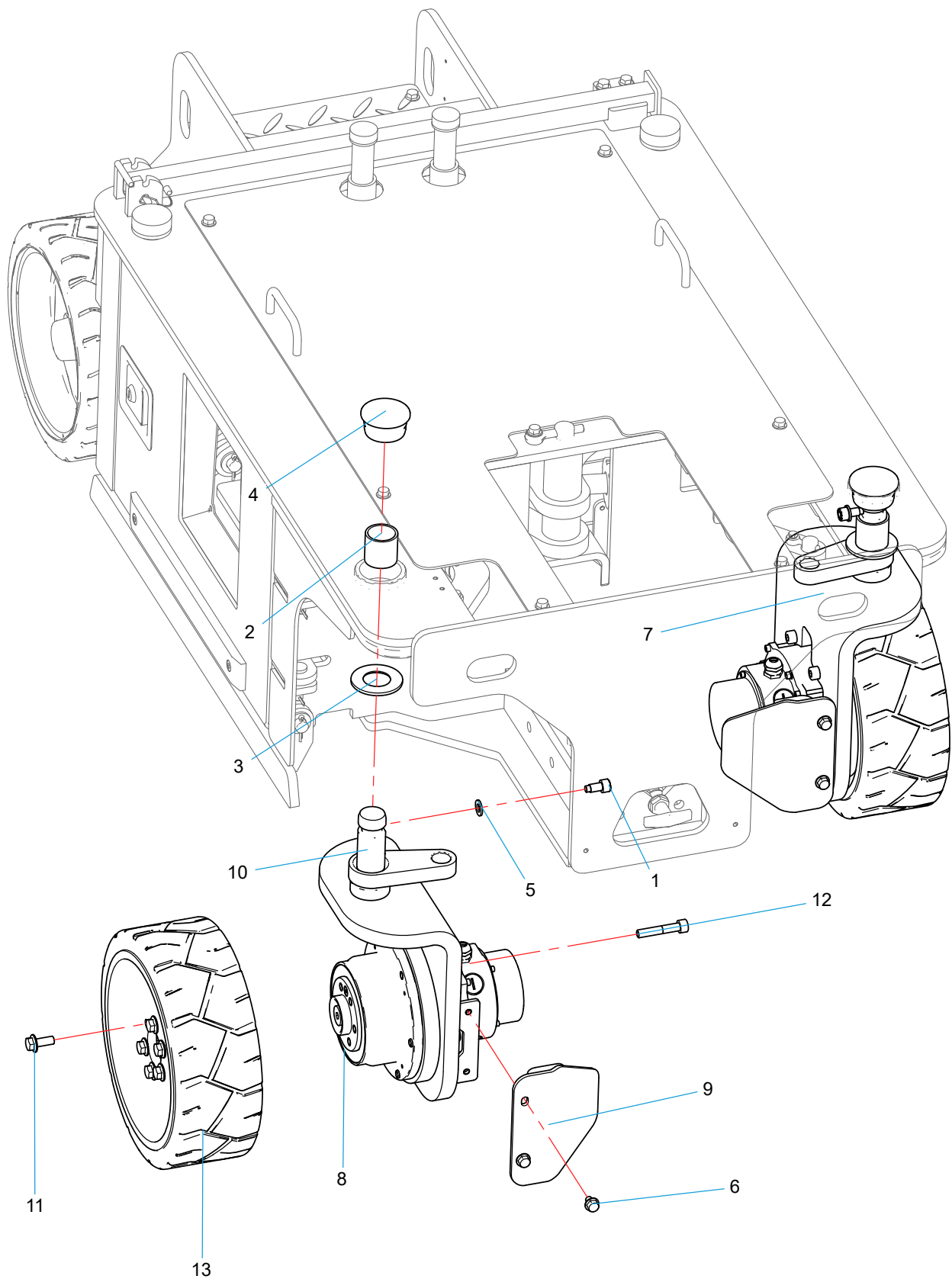
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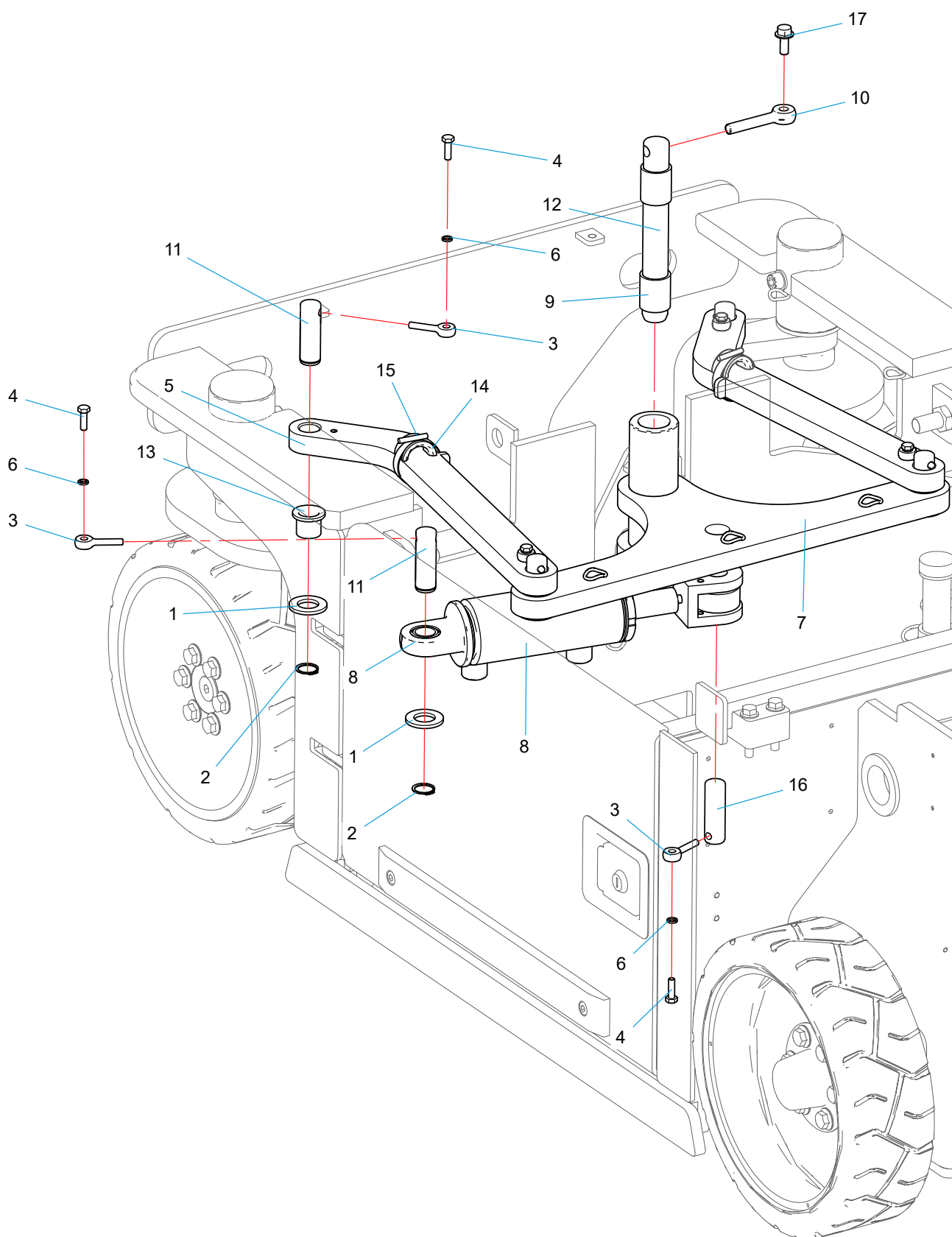
1 CHASSIS ASSEMBLY

1.1 DRIVE INSTALLATION



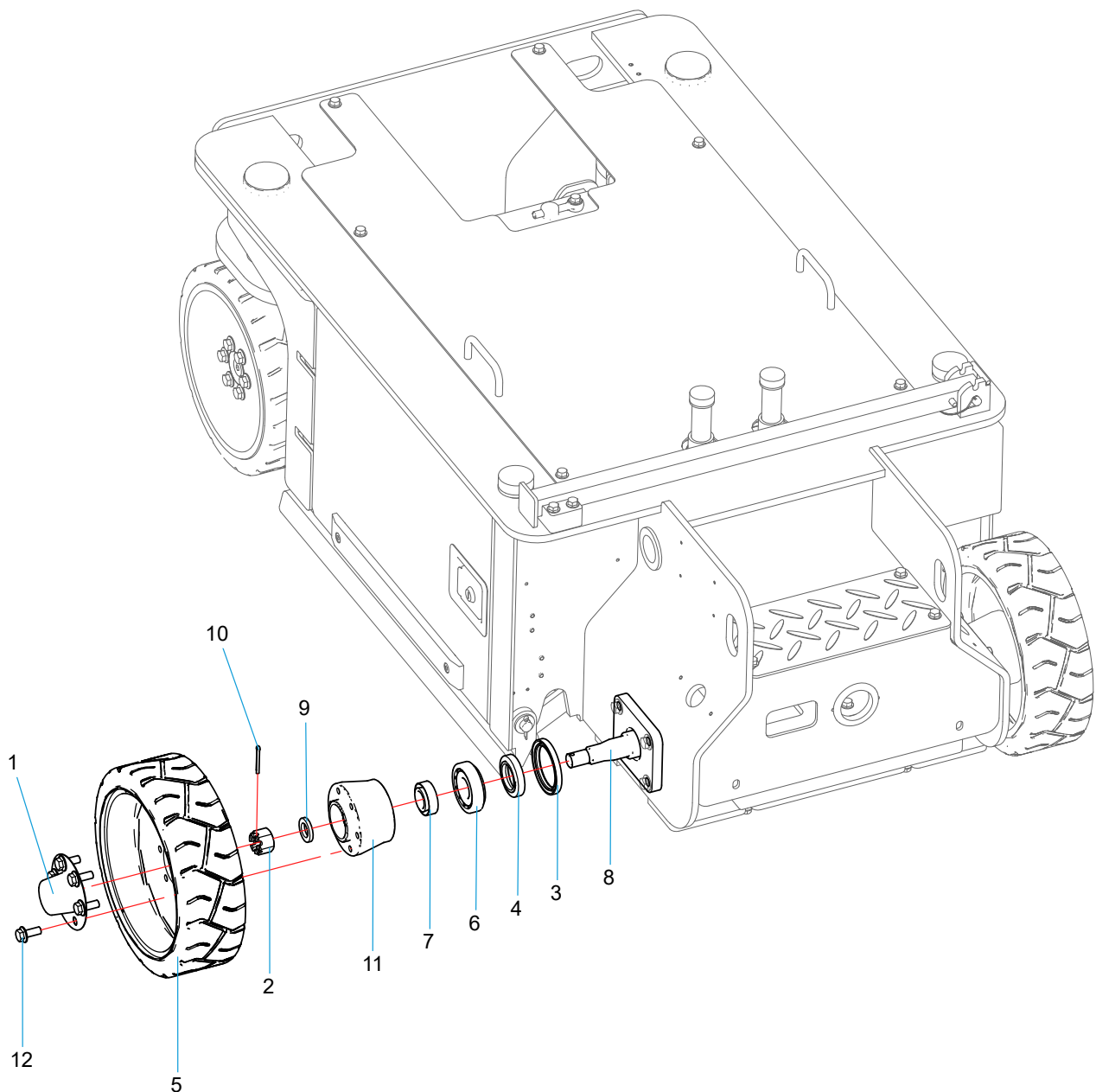
No.	Part No.	Qty.	Description
1	101040030102	2	Special bolt
2	214030000004	2	Self-lubricating bearing
3	101032030084	2	Shim
4	101040033005	2	Plug
5	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
6	215010000233	4	Bolt M8×12-8.8-ZnD GB/T 5789
7	110002030041	1	VM04E Carrier, wheel (L)[G]
8	110005030014	2	Options, Drive reducer, DC
8-1	204020003081	1	Travel reducer
8-1a	203010003151	1	Travel motor
9	110002030082	2	Bumper plate
10	110002030043	1	VM04E Carrier, wheel (R)[G]
11	215010000267	12	Bolt M10×25-10.9-DKL GB/T 5789
12	215020000061	12	Screw M10×55-10.9-DKL GB/T 70.1
13	204080003073	2	Solid tyre

1.2 STEER INSTALLATION



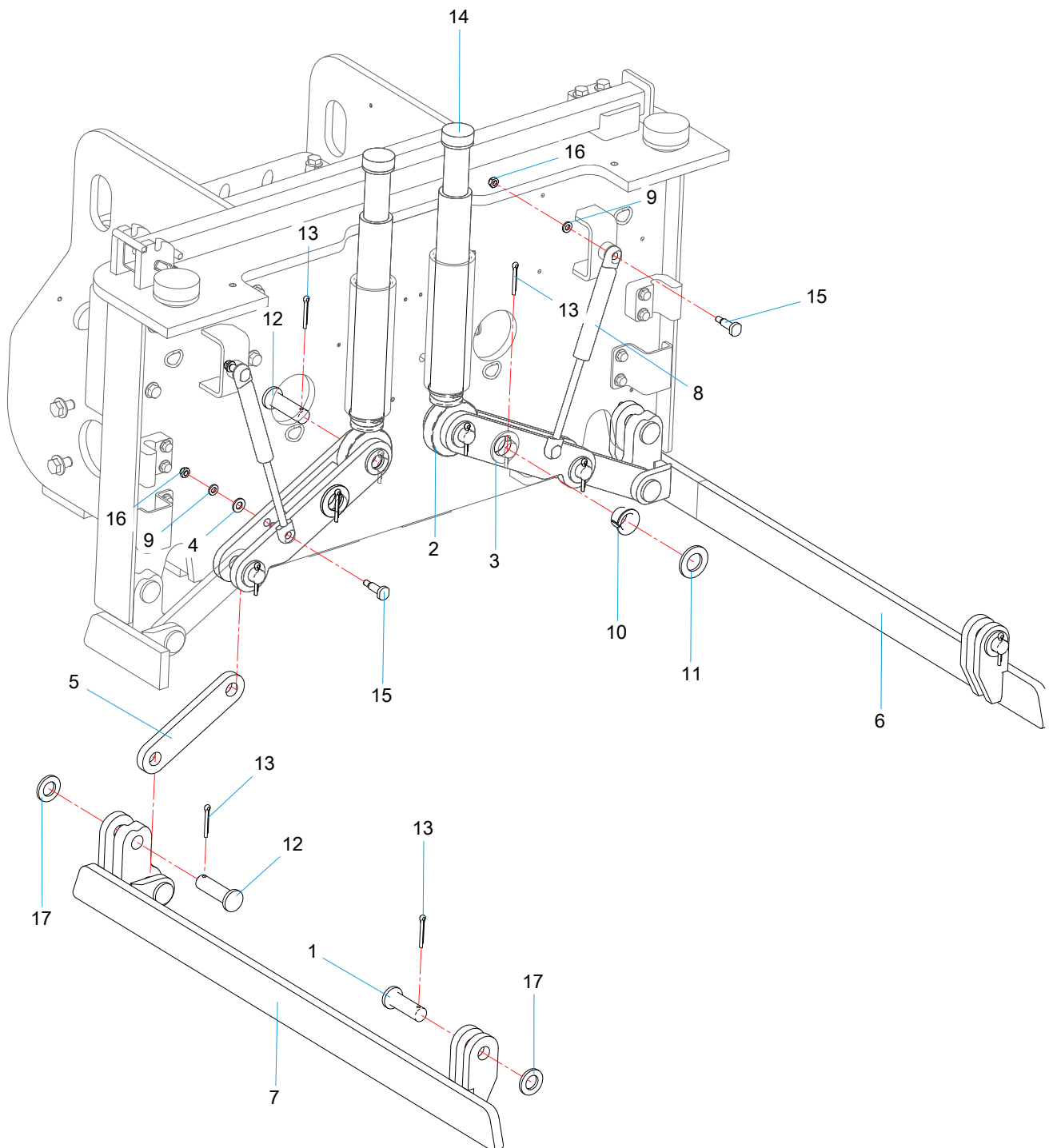
No.	Part No.	Qty.	Description
1	215040000041	5	Washer 20-200HV-ZnD GB/T 97.1
2	215040000083	5	Retaining ring 20-DKL GB/T 894.1
3	101012010070	6	Keeper pin $\Phi 6-38$
4	215010000051	6	Bolt M6×20-A2-70 GB/T 5783
5	110001030031	2	Link
6	215040000004	6	Washer 6-A2-70 GB/T 93
7	110002030029	1	Steer linkage
8	110002050002	1	Steer cylinder(A)
8a-1	207990003535	1	Seal kit, cylinder(SC:1000026)
8a-2	207990004201	1	Seal kit, cylinder(SC:1000792)
9	214030000080	2	Self-lubricating bearing
10	101012010044	1	Keeper pin
11	110001030062	5	Pin XG $\Phi 20-63$
12	110001030004	1	Pin XG $\Phi 25-192$
13	214010000029	5	Bearing 20×24-20
14	110002030066	2	Pad
15	216020000027	2	Screw clamp
16	110001030020	1	Pin XG $\Phi 20-63$
17	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789

1.3 REAR WHEEL INSTALLATION



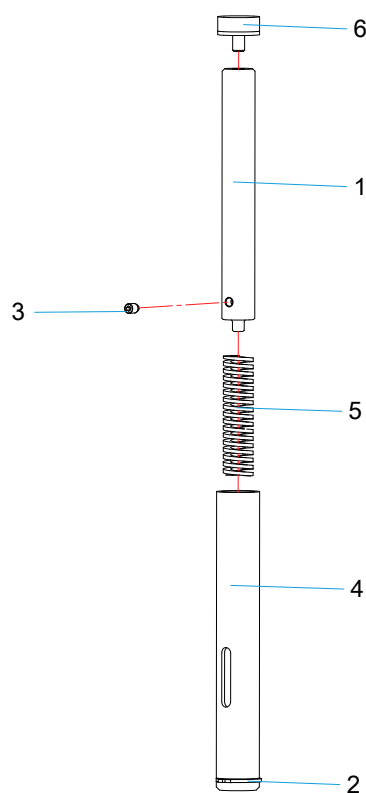
No.	Part No.	Qty.	Description
1	101040033030	1	Dust cover
2	215030000100	1	Nut M20×2-8-ZnD GB/T 9457
3	207070000006	1	Framework oil seal
4	101040030059	1	Retaining Ring
5	204080000033	1	Solid tire (front)
6	214010000018	1	Bearing 30306 GB/T 297
7	214010000030	1	Bearing 33005 GB/T 297
8	101040030055	1	Bearing Block,Hub
9	101040030086	1	Washer
10	215060000007	1	Pin 4×32-ZnD GB/T 91
11	101040030009	1	Bearing Block
12	215010000267	6	Bolt M10×25-10.9-DKL GB/T 5789

1.4 POTHOLE PROTECTION INSTALLATION



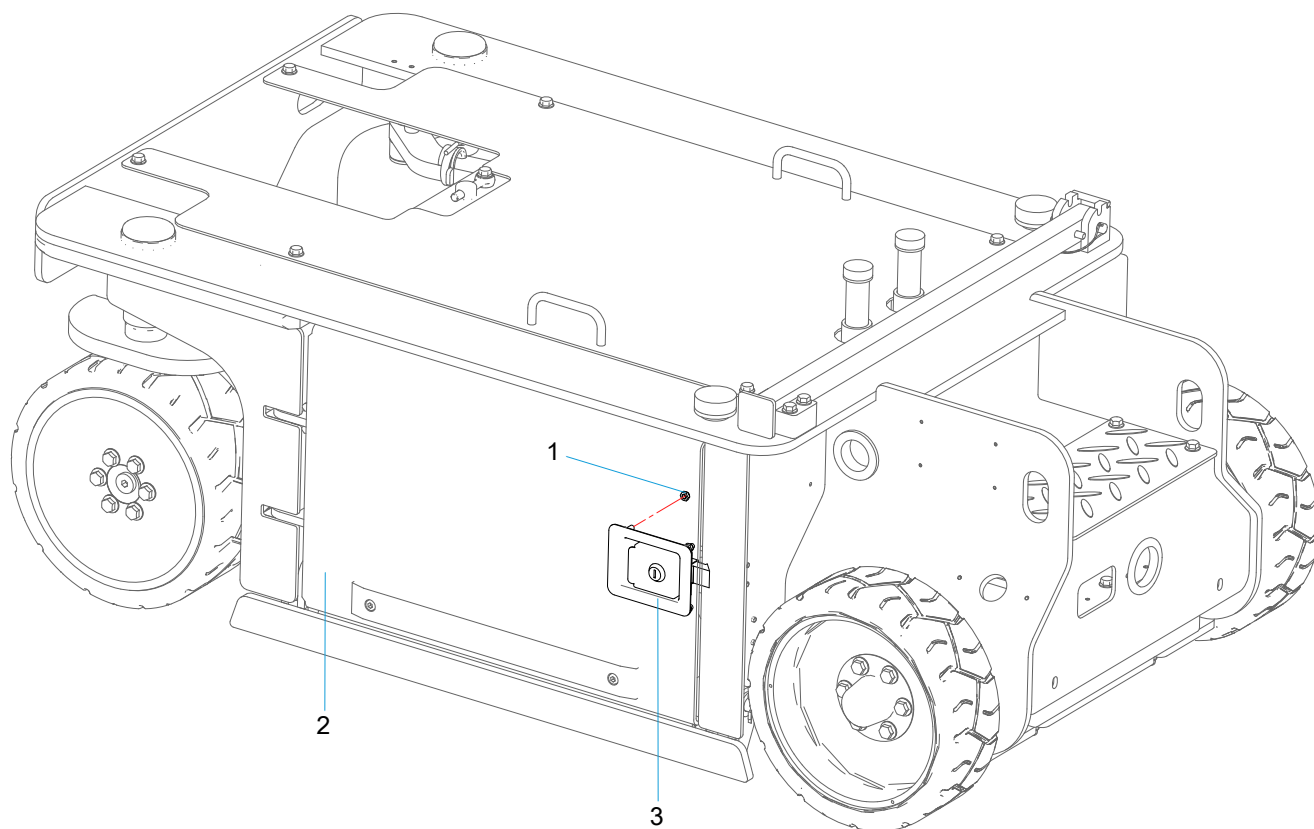
No.	Part No.	Qty.	Description
1	215060000064	2	Clevis pin B16×50-ZnD GB/T 882
2	101014030007	2	Roller
3	101040030005	2	Link
4	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
5	110001030046	2	Link
6	110001030040	1	Pothole protection plate, Left
7	110001030039	1	Pothole protection plate, Right
8	210010000075	2	Gas strut
9	215040000033	4	Washer 6-A2 GB/T 97.1
10	214030000024	4	Bearing 20×23×16.5 SF-1F
11	215040000041	2	Washer 20-200HV-ZnD GB/T 97.1
12	215060000039	8	Clevis pin B15×55-ZnD GB/T 882
13	215060000066	12	Pin 4×25-ZnD GB/T 91
14	110001030028	2	Spring support
15	101014030008	4	Pin XJΦ8-34
16	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
17	215040000039	10	Washer 16-200HV-ZnD GB/T 97.1

1.5 SPRING SUPPORT



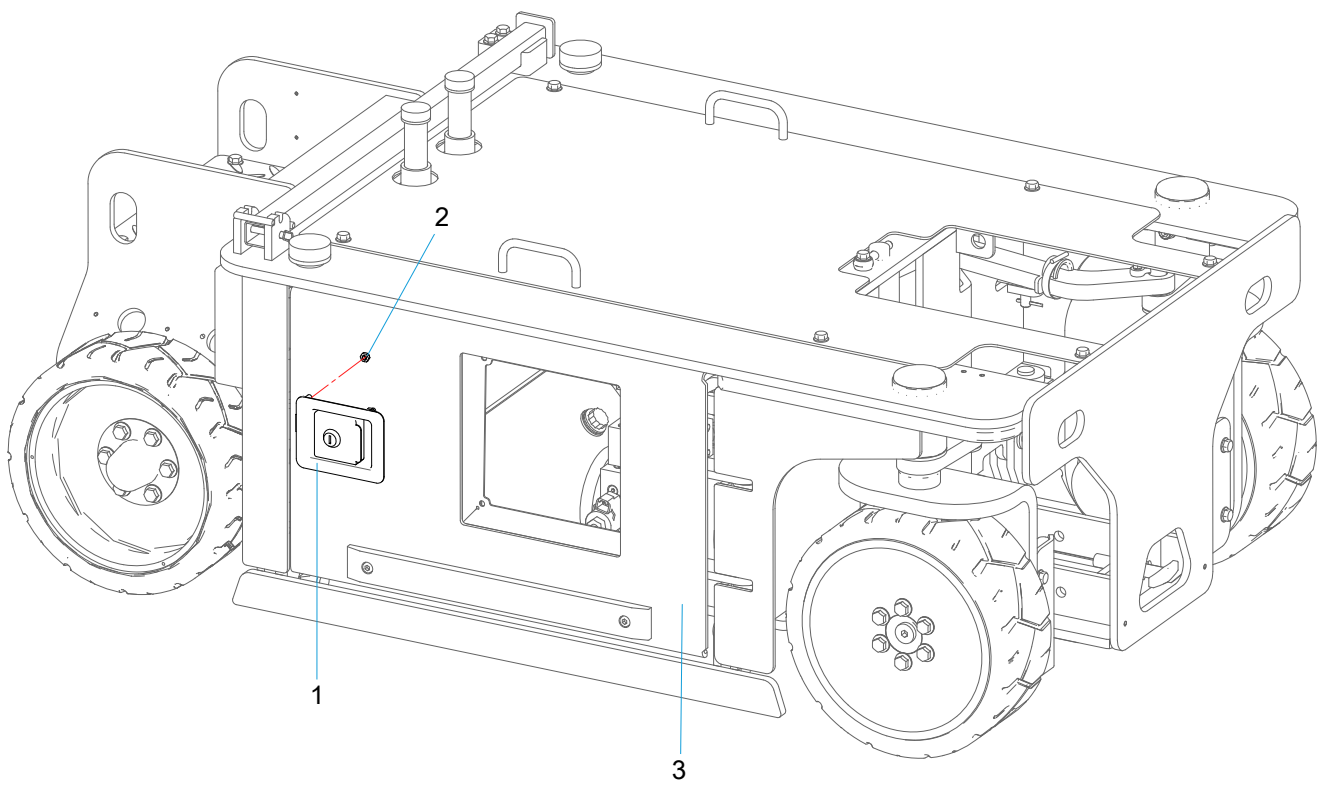
No.	Part No.	Qty.	Description
1	110002030079	1	Pin XJΦ27.5-220 [Z]
2	215040000124	1	Ring, retaining 35-DKL JB/ZQ 4342
3	215020000190	1	Screw M8×12-45H GB/T 79
4	101028030054	1	Steel cylinder
5	210070000008	1	Spring
6	101040030098	1	Pad, buffer

1.6 LEFT DOOR ASSEMBLY



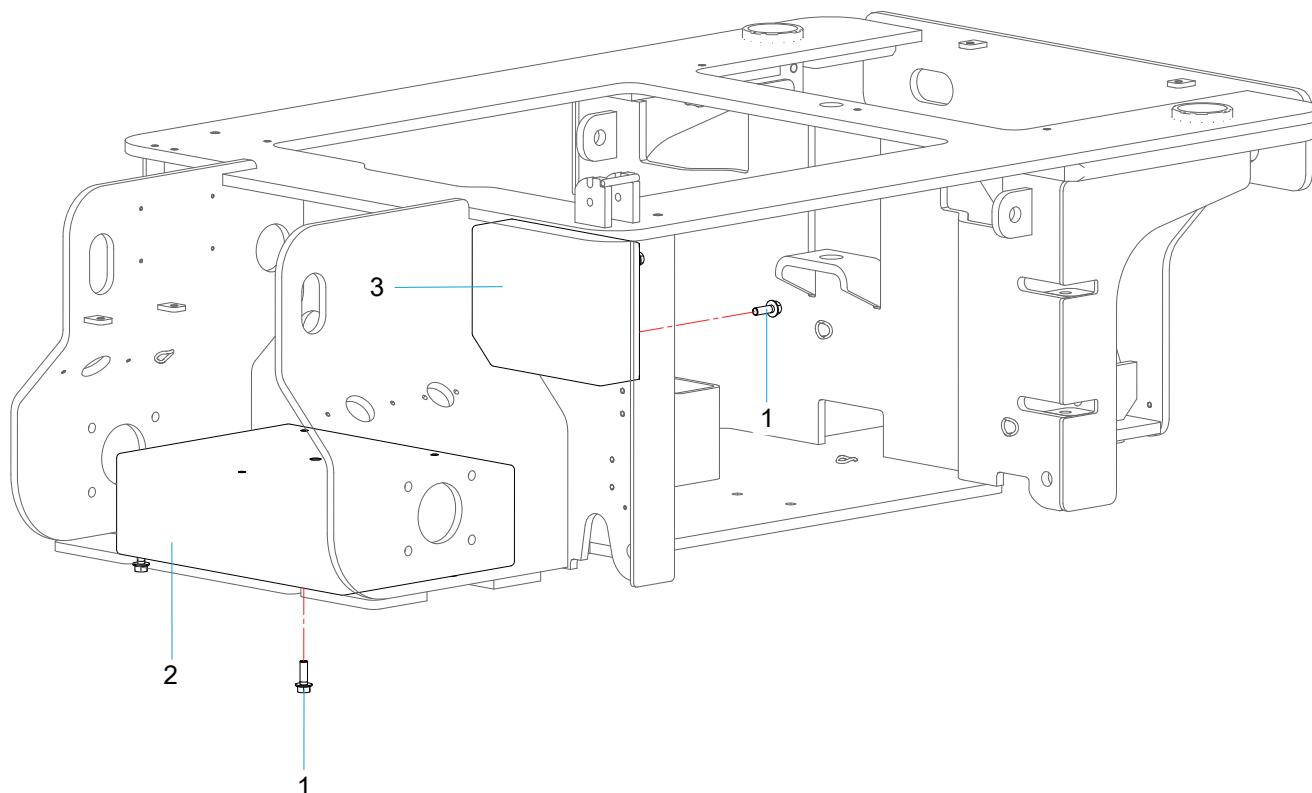
No.	Part No.	Qty.	Description
1	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
2	110002030023	1	Weldment, left door
3	209050000034	1	Panel lock MS866-27-2

1.7 RIGHT DOOR ASSEMBLY



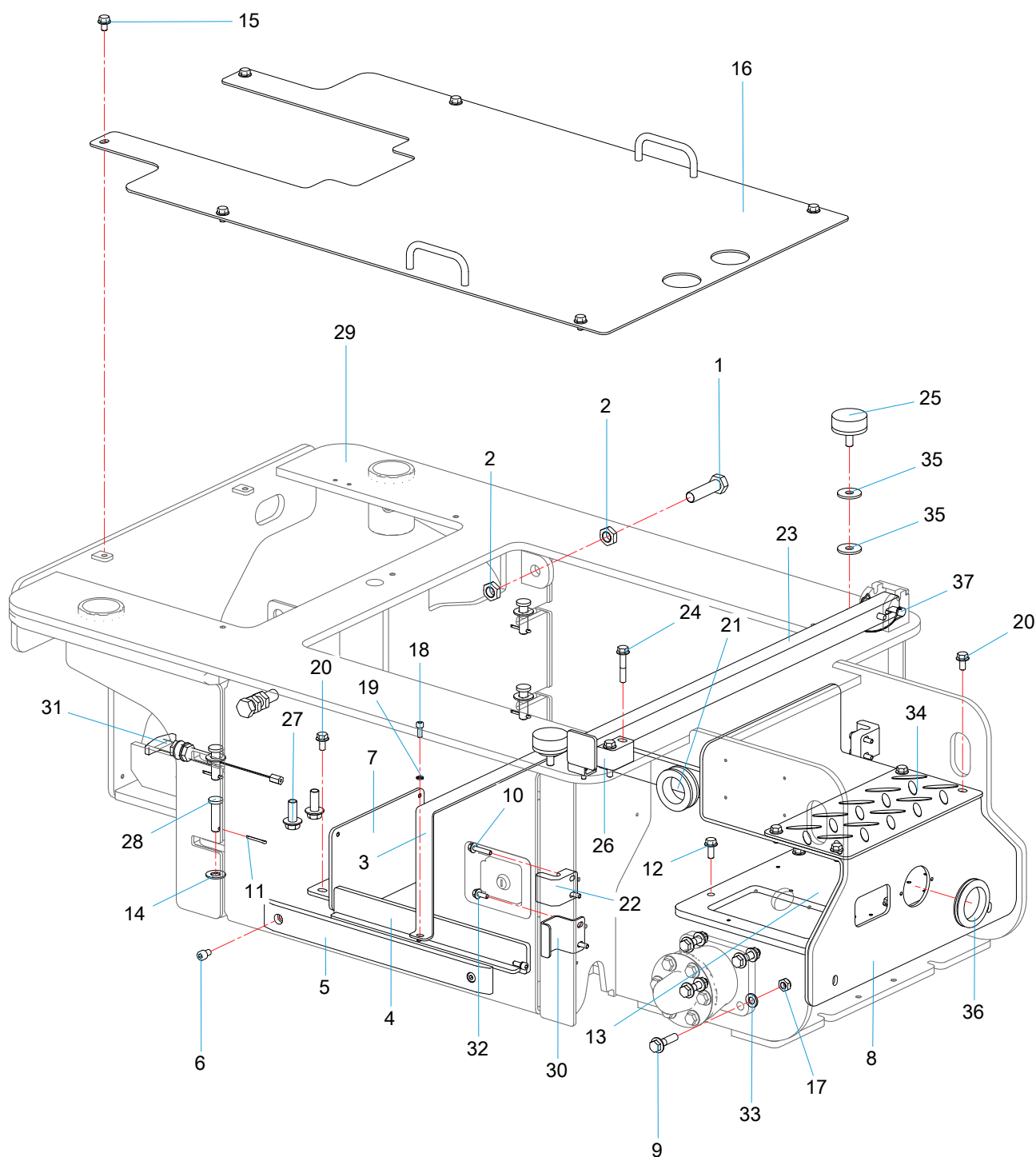
No.	Part No.	Qty.	Description
1	209050000034	1	Panel lock MS866-27-2
2	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
3	110002030022	1	Box WELD, chassis (R)

1.8 COUNTERWEIGHT INSTALLATION



No.	Part No.	Qty.	Description
1	215010000235	8	Bolt M8×25-8.8-ZnD GB/T 5789
2	110005030003	1	Counterweight
3	110005030004	1	Counterweight

1.9 CHASSIS ACCESSORY INSTALLATION

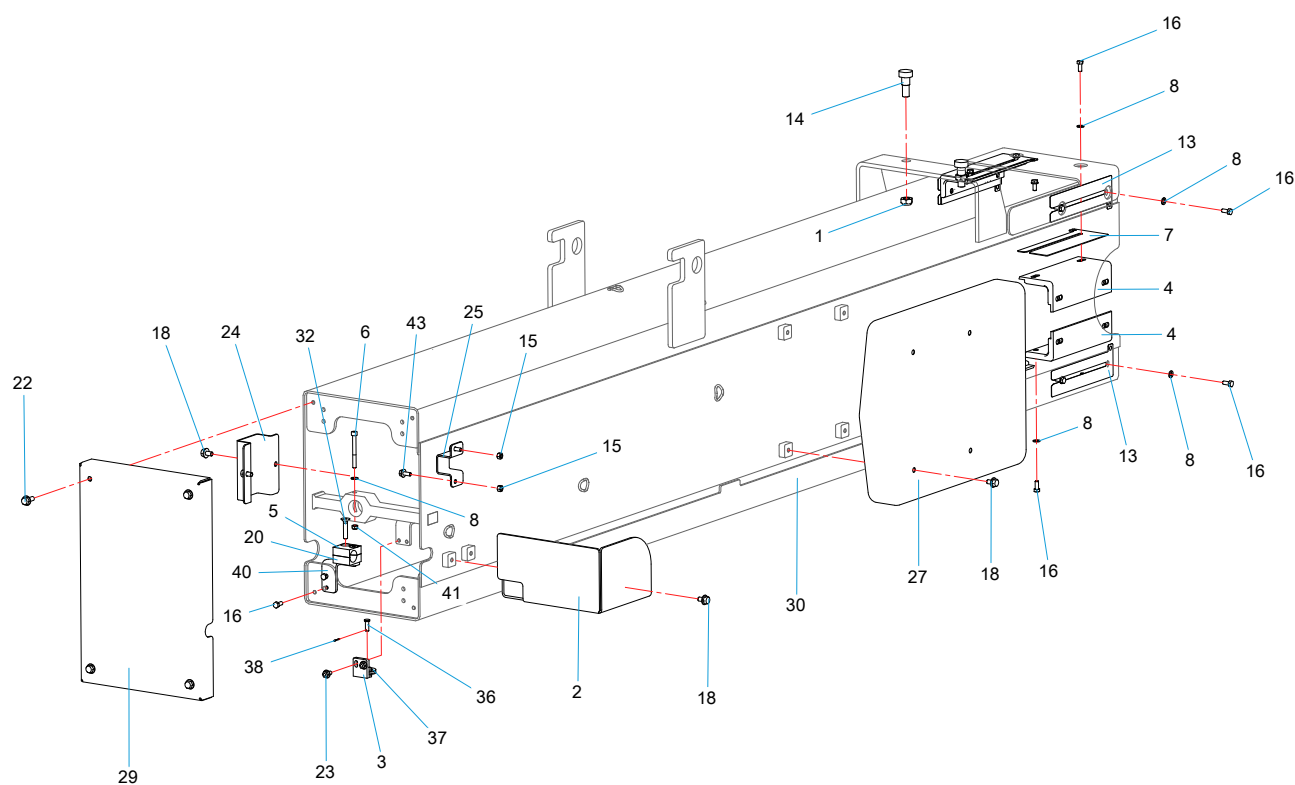


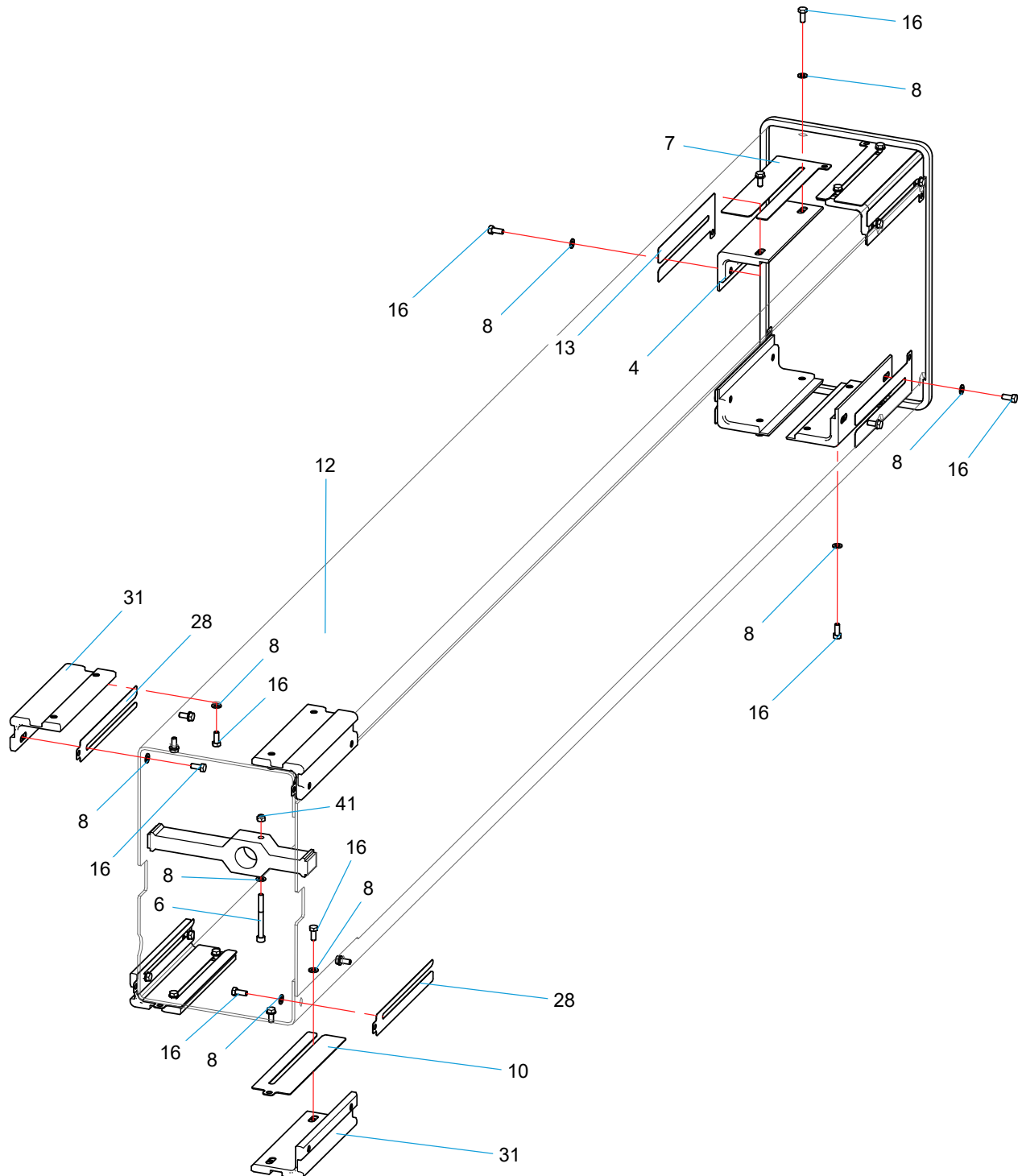
No.	Part No.	Qty.	Description
1	215010000118	2	Bolt M16×60-10.9-DKL GB/T 5783
2	215030000019	4	Nut M16-04-ZnD GB/T 6172.1
3	110001030070	1	Channel plate
4	110001030059	1	Gear lever
5	101054033012	2	Bumper plate
6	215020000021	4	Screw M8×12-8.8-ZnD GB/T 70.1
7	110002030038	1	Folded plate
8	110002030037	1	Plate, folded
9	215010000269	8	Bolt M10×40-10.9-DKL GB/T 5789
10	215010000282	4	Bolt M6×30-8.8-ZnD GB/T 5789
11	215060000004	4	Pin 3.2×25-ZnD GB/T 91
12	215010000234	3	Bolt M8×20-8.8-ZnD GB/T 5789
13	110005030002	1	Plate
14	110005030001	4	Shim
15	215010000233	6	Bolt M8×12-8.8-ZnD GB/T 5789
16	110002030080	1	Cover
17	215030000027	8	Nut M10-8-ZnD GB/T 6184
18	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
19	215040000004	3	Washer 6-A2-70 GB/T 93
20	215010000286	6	Bolt M8×16-8.8-ZnD GB/T 5789
21	102004030245	1	Rubber grommet
22	110002030065	2	Pad
23	110002030069	1	Safety arm
24	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
25	216040000008	2	Shock pad
26	110002030064	1	Pad
27	215010000243	2	Bolt M12×30-8.8-ZnD GB/T 5789
28	215060000081	4	Clevis pin B12×45-ZnD GB/T 882
29	110005030005	1	Chassis WELD, body [Z]
30	101014030107	2	Bracket
31	204100003003	1	Emergency lowering shaft
32	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
33	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
34	110002030047	1	Anti-slip plate
35	215040000125	4	Washer 10-100HV-ZnD GB/T 5287
36	115003033336	1	Rubber grommet
37	209020003003	1	Safety pin

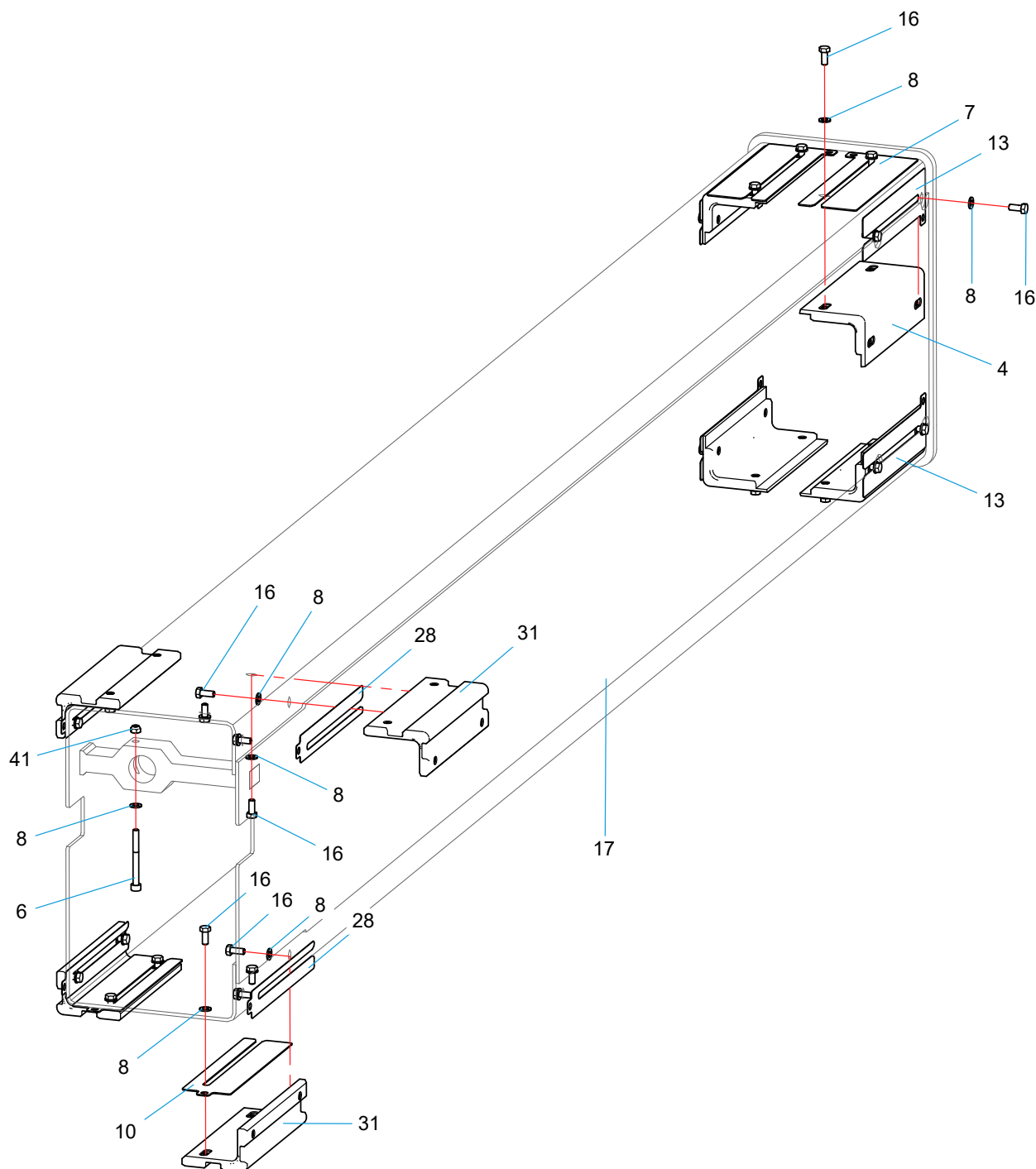
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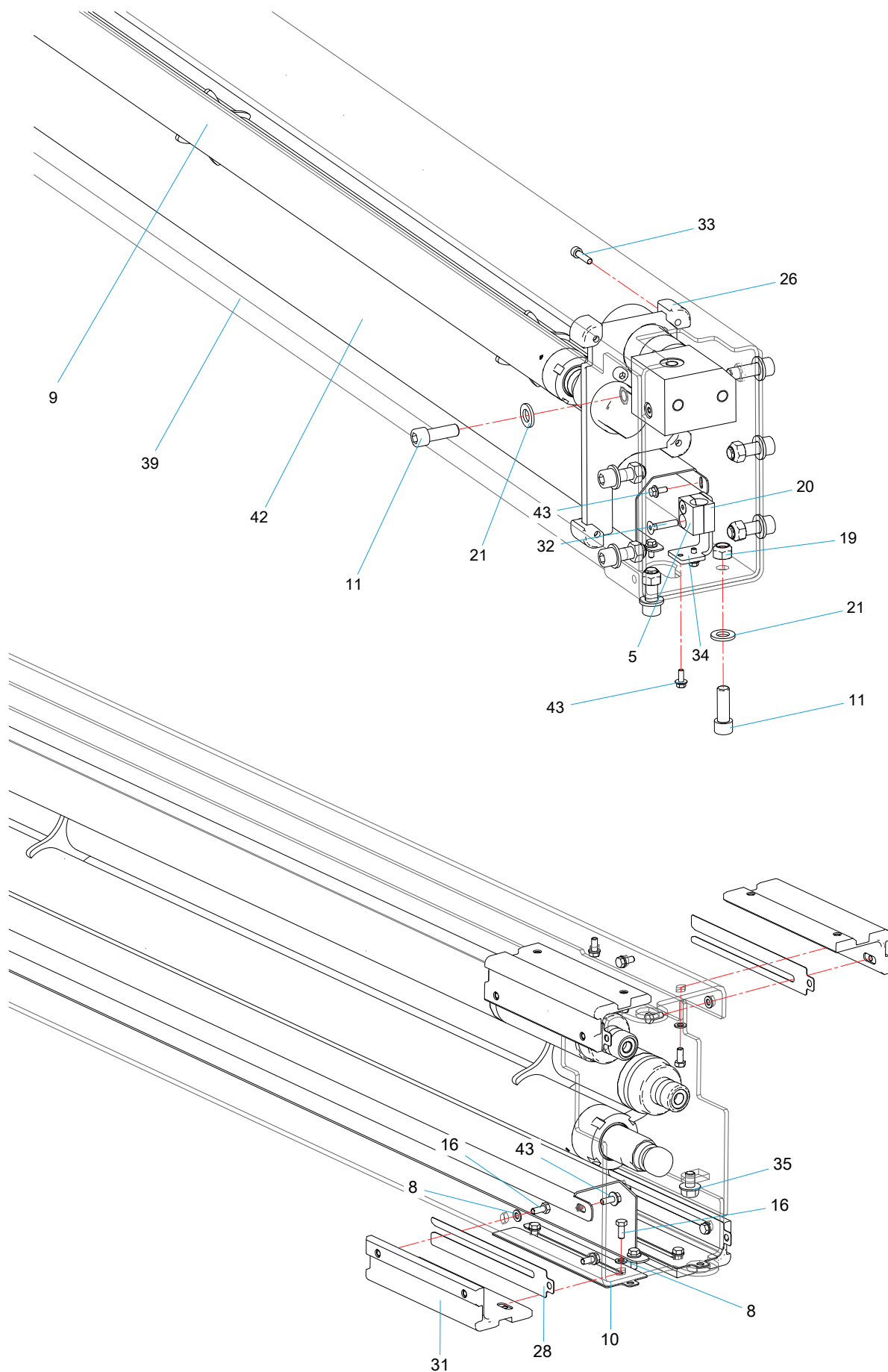
2 BOOM ASSEMBLY

2.1 BOOM ASSEMBLY





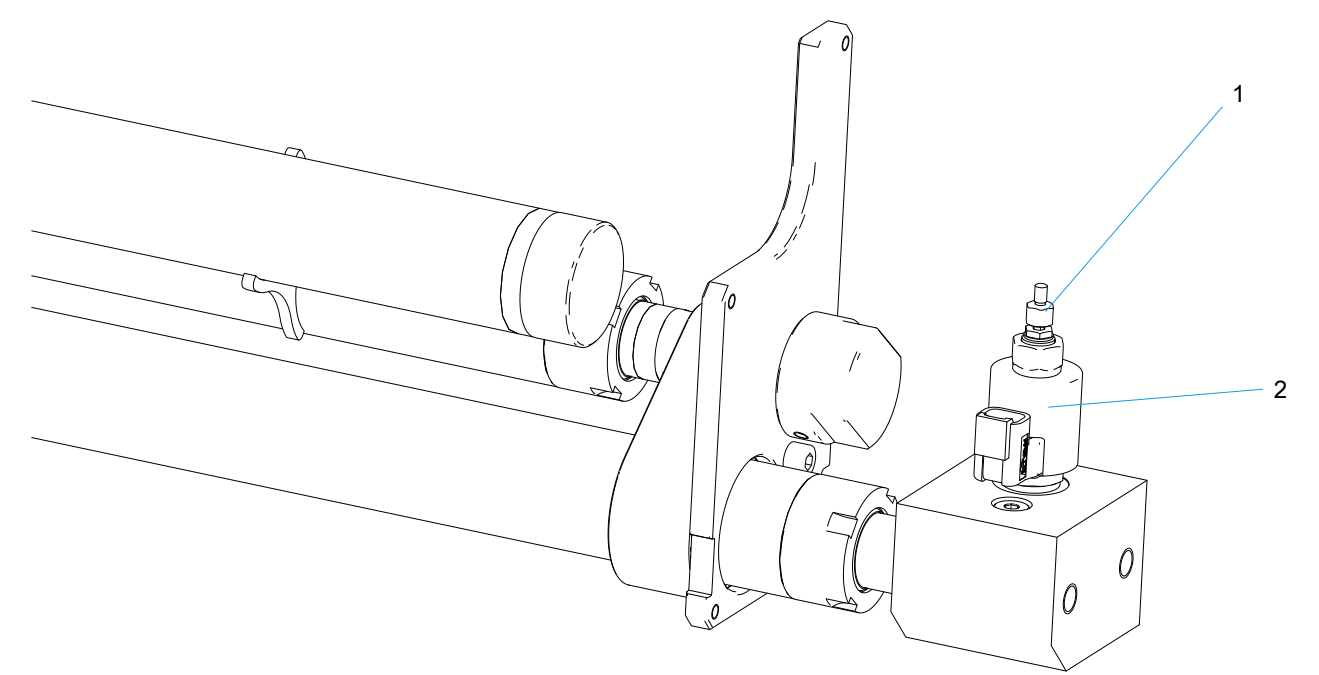




No.	Part No.	Qty.	Description
1	215030000027	2	Nut M10-8-ZnD GB/T 6184
2	110005010009	1	Plate,folded
3	110005010008	1	Pulley seat
4	110003010026	12	Wear pad assembly
5	110005010003	2	Nylon block
6	215020000316	3	Screw M5×50-A2-70 GB/T 70.1
7	110003010030	6	Plate
8	215040000032	99	Washer 5-A2 GB/T 97.1
9	110005050016	1	Lift cylinder(B)
10	110003010029	6	Plate
11	215020000076	8	Screw M12×35-8.8-ZnD GB/T 70.1
12	110003010015	1	Boom section, 3th [G]
13	110003010031	12	Plate
14	110005010021	2	Bolt, special
15	215030000003	2	Nut M5-A2-70 GB/T 6170
16	215010000041	98	Bolt M5×12-A2-70 GB/T 5783
17	110003010009	1	Boom section, 2th [G]
18	215010000229	8	Bolt M6×10-8.8-ZnD GB/T 5789
19	215030000029	6	Nut M12-8-ZnD GB/T 6184
20	110005010002	2	Nylon block
21	215040000037	8	Washer 12-200HV-ZnD GB/T 97.1
22	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
23	215010000353	2	Bolt M5×10-8.8-ZnD GB/T 5789
24	109002043001	1	Channel plate
25	101013040012	1	Folded plate
26	110002010251	4	Pad
27	216070000001	1	Manual storage container
28	110003010032	12	Plate
29	110005010014	1	Plate,cover
30	110003010022	1	Boom section, 4th [G]
31	110003010028	12	Wear pad assembly
32	215020000231	4	Screw M6×30-A2-70 GB/T 70.3
33	215020000013	4	Screw M6×25-A2-70 GB/T 70.1
34	110002010263	1	Folded plate
35	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
36	110005010019	1	Clevis pin
37	110005010015	1	Roller assembly
38	215060000098	1	Pin 1.2×10-ZnD GB/T 91
39	110003010004	1	Base boom[G]

No.	Part No.	Qty.	Description
40	110005010001	1	Folded plate
41	215030000091	3	Nut M5-A2-70 GB/T 6184
42	110003010023	1	Plate,folded
43	215010000279	8	Bolt M5×12-8.8-ZnD GB/T 5789

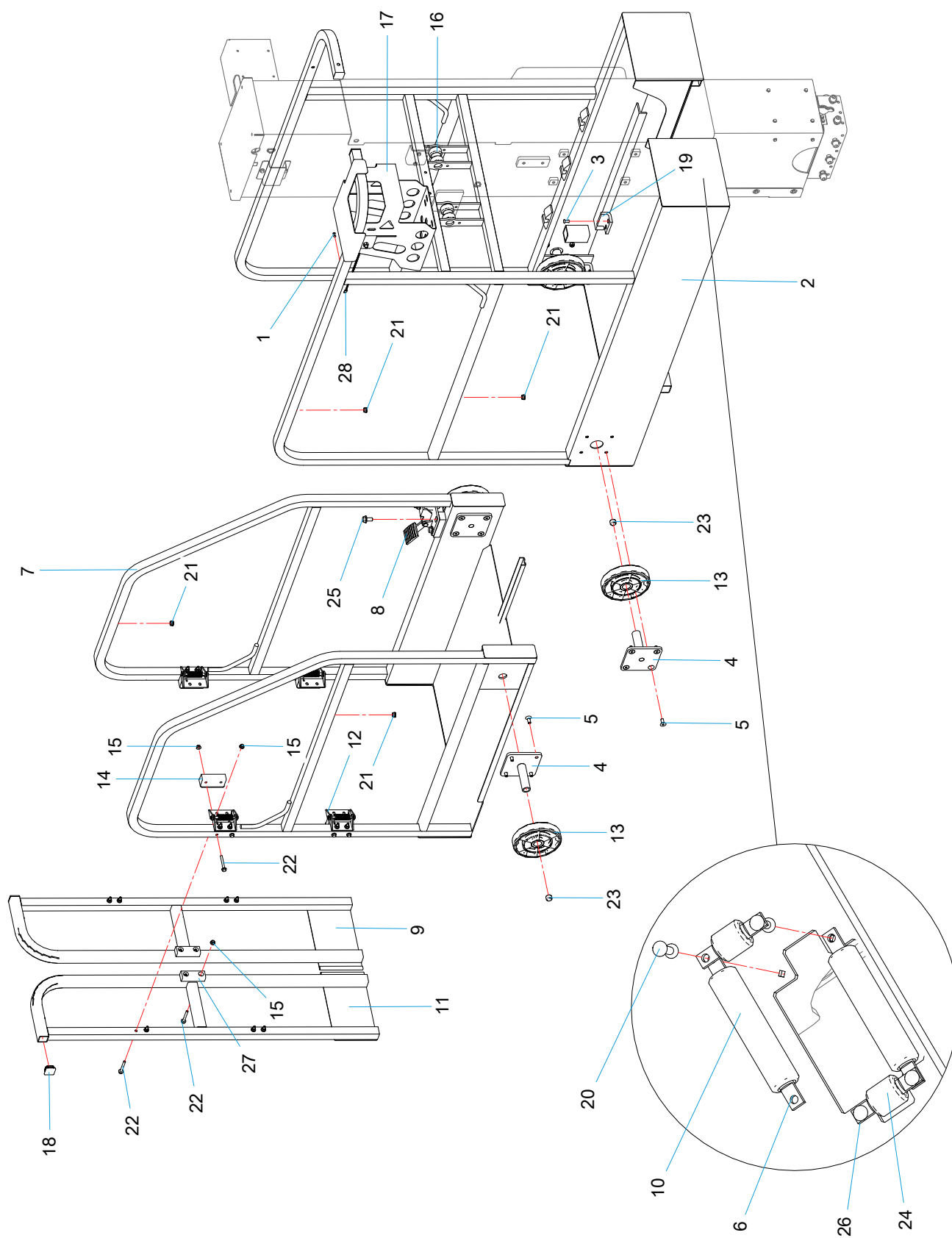
2.2 LIFT CYLINDER (PN.110005050016)



No.	Part No.	Qty.	Description
1	202990003843	1	Electro proportional valve
2	202990003844	1	Coil
3	207990004148	1	Seal kit, cylinder(Not shown)

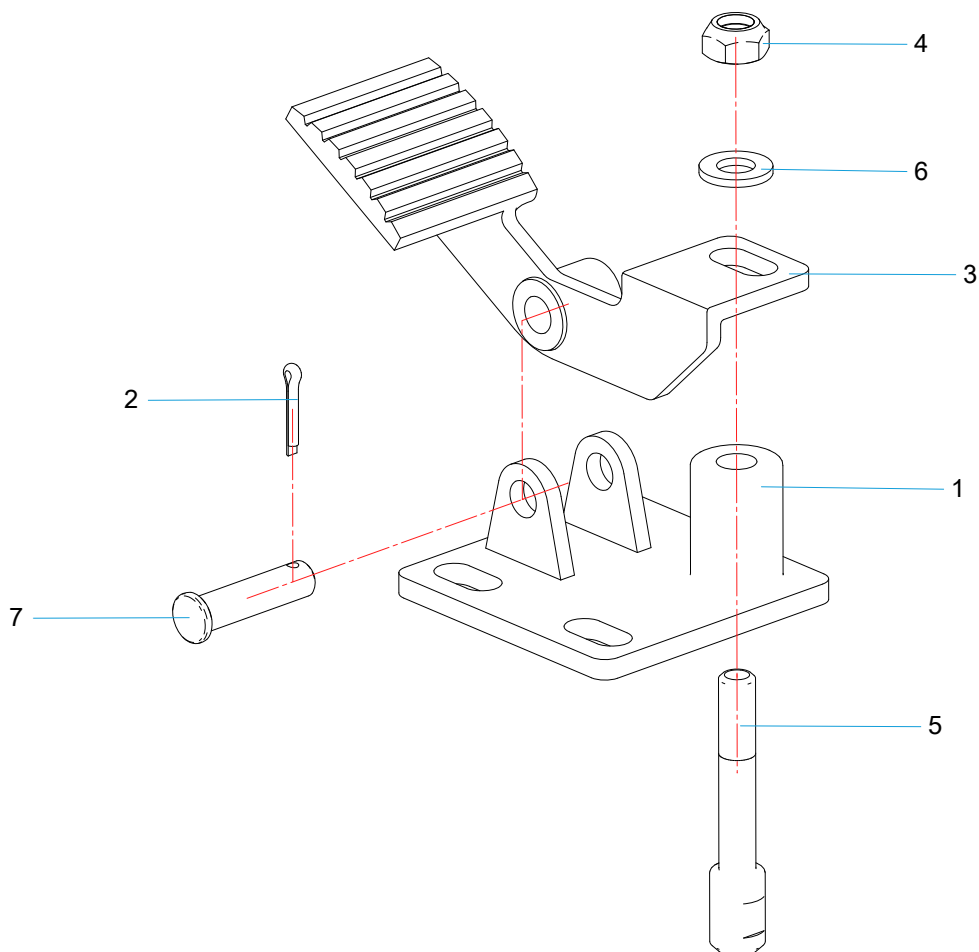
3 PLATFORM ASSEMBLY

3.1 PLATFORM ASSEMBLY



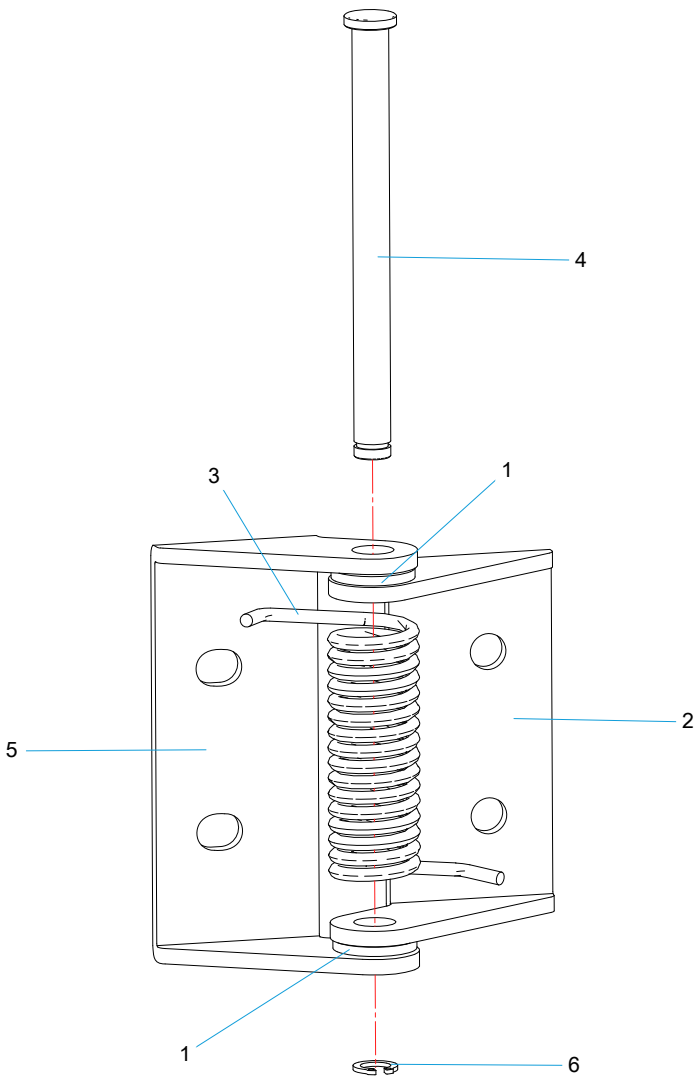
No.	Part No.	Qty.	Description
1	215050000012	1	Blind rivet 4×8-ZnD GB/T 12618.2
2	110005040020	1	Platform, fixed [Z]
3	215050000007	8	Blind rivet 6×10-ZnD GB/T 12618.2
4	101039040024	4	Pulley bracket
5	215020000226	16	Screw M8×20-8.8-ZnD GB/T 70.3
6	110002010304	2	Pin XJΦ6-71
7	110005040032	1	Platform, extending [Z]
8	101079043057	1	Pedaling device
9	110005040057	1	Door
10	110002010305	2	Nylon sleeve
11	110005040059	1	Door
12	209050003031	4	Hinge
13	101093040029	4	Pulley
14	110005040060	4	Block
15	215030000107	28	Nut M6-8-ZnD GB/T 6183.1
16	110005040041	4	Sleeve
17	110002040033	1	Bracket
18	213060003026	4	Square pipe plug
19	110005040048	4	Pad, wear
20	215050000002	4	Blind rivet 3×10-ZnD GB/T 12618.2
21	101014043005	22	Rubber choke plug
22	215010000283	28	Bolt M6×50-8.8-ZnD GB/T 5789
23	101016040136	4	Slider block
24	110002040042	2	Nylon sleeve
25	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
26	110002040041	2	Pin XJΦ6-31
27	110005040049	2	Stop block
28	209030003013	1	Bolt M8 with chain

3.2 FOOT PEDAL



No.	Part No.	Qty.	Description
1	101079043036	1	Mount
2	215060000003	1	Pin 3.2×16-ZnD GB/T 91
3	101079043038	1	Plate, bending
4	215030000027	1	Nut M10-8-ZnD GB/T 6184
5	101079043043	1	Cotter pin
6	215040000035	1	Washer 10-200HV-ZnD GB/T 97.1
7	101079043117	1	Pin
8	101079043044	1	Spring, compression

3.3 HINGE

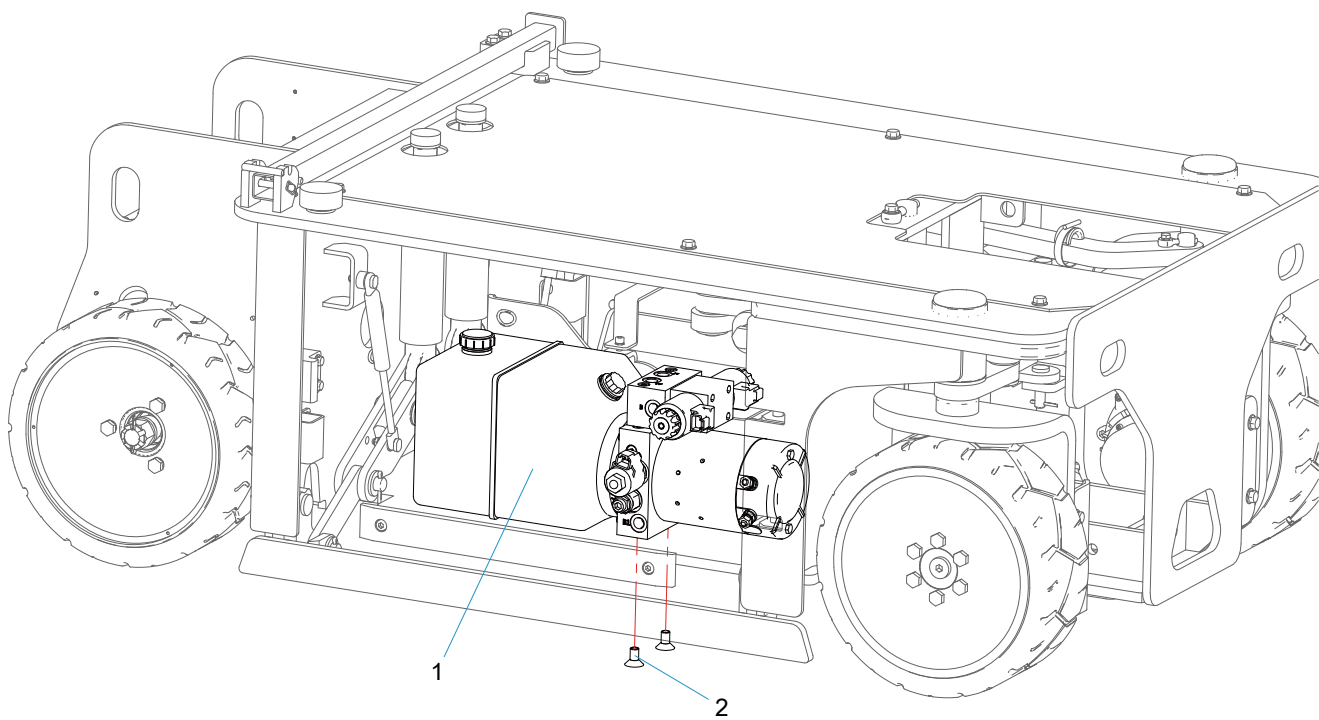


No.	Part No.	Qty.	Description
1	215040000034	2	Washer 8-200HV-ZnD GB/T 97.1
2	209050003032	1	Hinge
3	209050003022	1	Spring
4	209050003025	1	Pin Φ7
5	209050003030	1	Hinge
6	209990003005	1	Retainer ring

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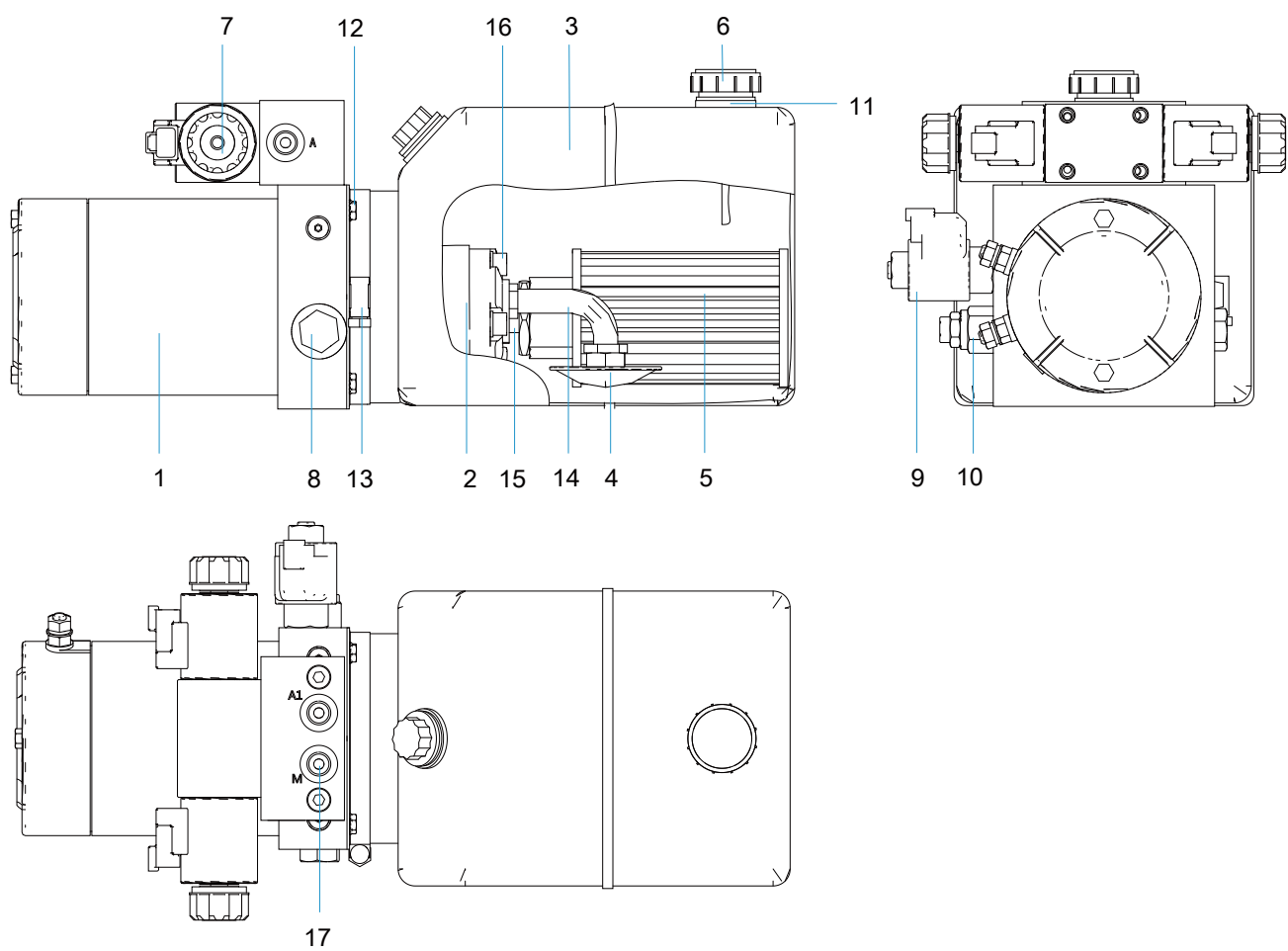
4 HYDRAULIC SYSTEM

4.1 POWER UNIT INSTALLATION



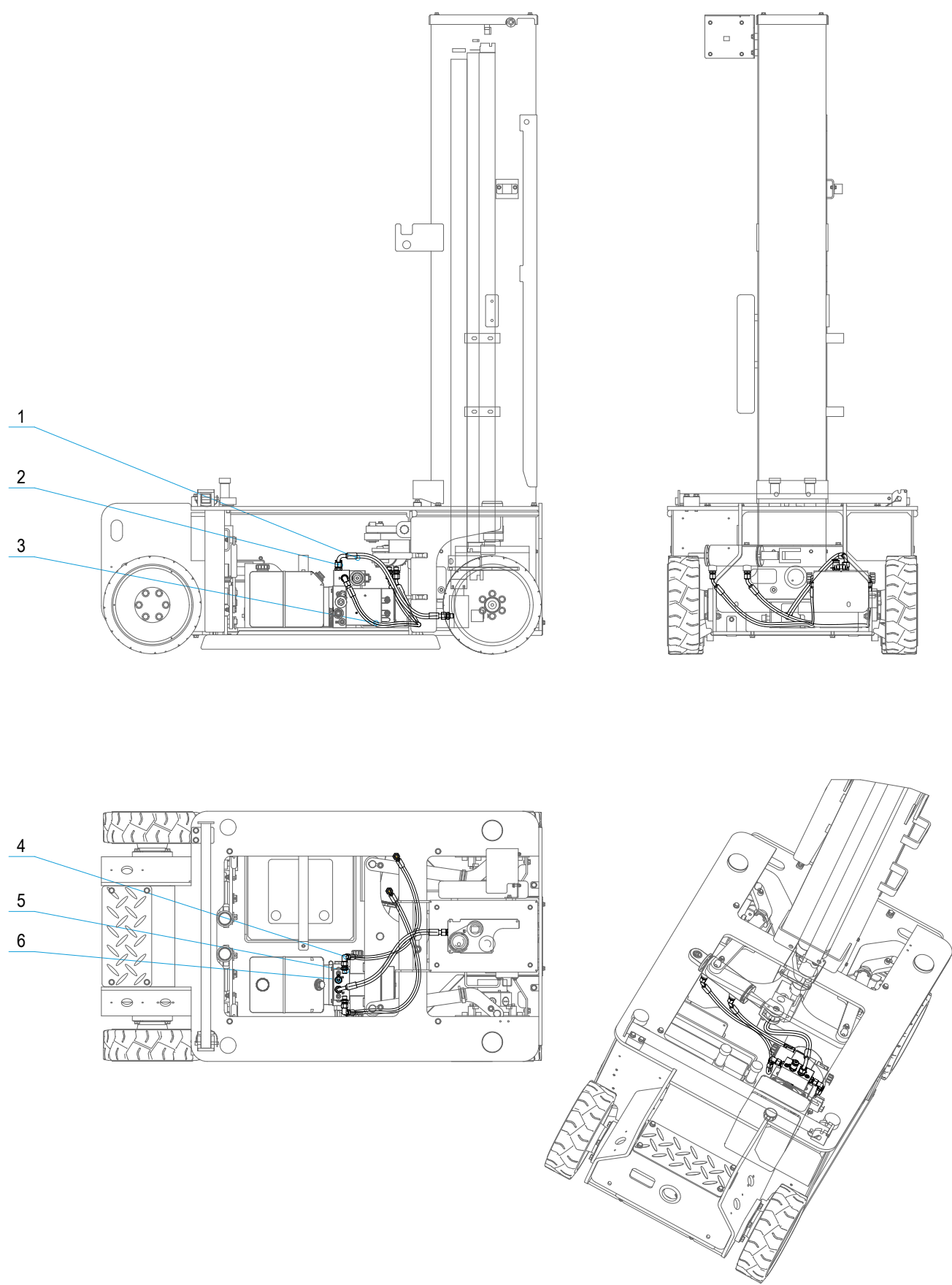
No.	Part No.	Qty.	Description
1	202010000051	1	Power unit
2	215020000274	2	Screw M10×20-8.8-ZnD GB/T 70.3

4.2 POWER UNIT (PN.202010000051)



No.	Part No.	Qty.	Description
1	203010003043	1	DC motor
1a	203990003016	1	Carbon brush
2	202990003113	1	Gear pump
4	202080003005	1	Filter screen
5	202990003133	1	Return filter, in-tank
6	202070003019	1	Air filter
7	201990003021	1	Solenoid directional valve, 3-position 4-way
8	202990003785	1	Check valve
9	202990003076	1	2-position 2-way solenoid valve
10	202990003784	1	Relief valve, direct-acting

4.3 HYDRAULIC TUBES LAYOUT



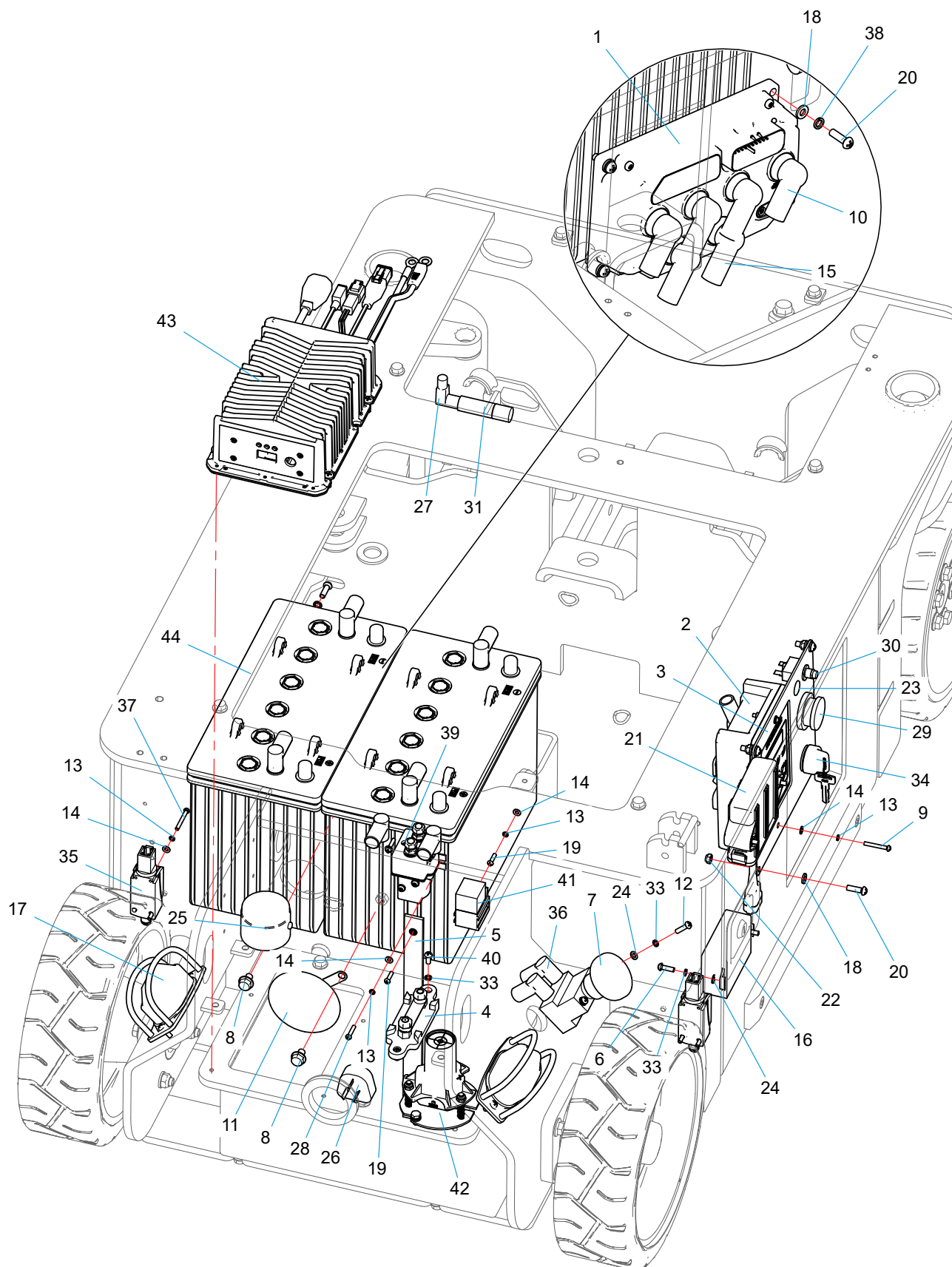
No.	Part No.	Qty.	Description
1	213050003270	1	Hose
2	213010000012	2	Coupler
3	213050013914	2	Hose
4	213010000024	2	Coupler
5	213010000007	4	Fitting
6	213010000010	1	Coupler

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5 ELECTRICAL SYSTEM

5.1 CHASSIS ELECTRICAL SYSTEM

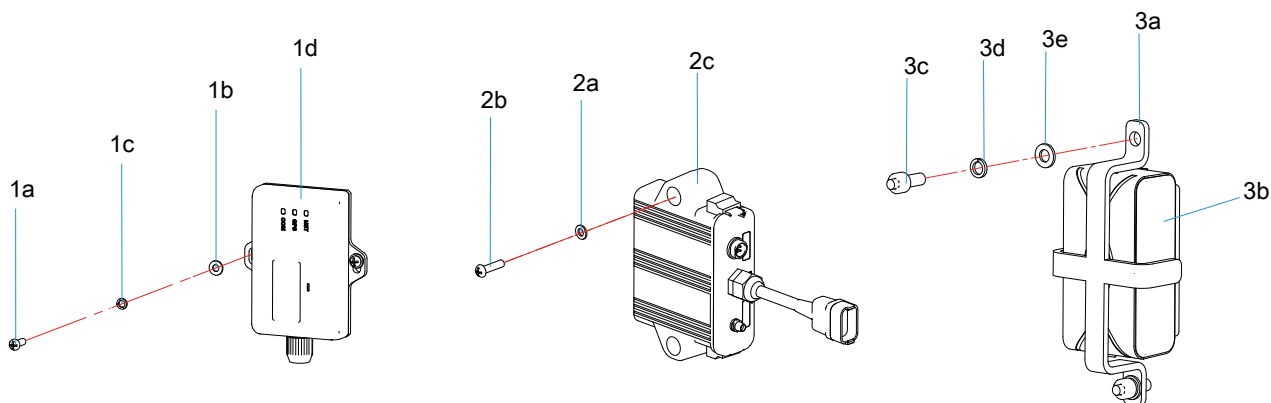
5.1.1 CHASSIS ELECTRICAL COMPONENTS INSTALLATION



No.	Part No.	Qty.	Description
1	110002060032		Motor controller Options
1-1	203020003230	1	Motor controller
2	110002060031		Main controller Options
2-1	203020003200	1	Main controller
3	101092030110	1	Plate
4	203070000043	1	Fuse holder (with 275A fuse)
5	203160000004	1	Rubber conductive band
6	215020000111	2	Screw M5×16-A2-70 GB/T 818
7	110002060035		Power switch options
10	203080000571	5	PVC sheath
11	203050000012	1	Electrical horn
12	215020000112	2	Screw M5×20-A2-70 GB/T 818
13	215040000002	10	Washer 4-A2-70 GB/T 93
14	215040000031	10	Washer 4-A2 GB/T 97.1
15	203080000572	3	PVC sheath
16	203030000014	1	Travel circuit protector
17	101062063037	2	OPT, light (strobe)
18	215040000033	12	Washer 6-A2 GB/T 97.1
19	215020000106	2	Screw M4×16-A2-70 GB/T 818
20	215020000117	8	Screw M6×20-A2-70 GB/T 818
21	101046063050		GPS options
22	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
23	110005060017		OPT, light (overload alarm)
23-1	203050003091	1	Lamp,indicator(red)(With weighing system)
23-2	105045060004	1	Controller plug(Without weighing system)
24	215040000032	4	Washer 5-A2 GB/T 97.1
25	110005060011		Reverse buzzer options
25-1	203050000002	1	Reverse buzzer(90 decibels)
25-2	203050003087	1	Reverse buzzer(65 decibels)
26	101055063023		Charger cord and plug options
27	203080003741	1	Plug with cable
28	215020000107	2	Screw M4×20-A2-70 GB/T 818
29	203060000142	1	Switch, emergency stop
30	203160003001	1	Self-resetting fuse
31	203060000011	1	Proximity switch
32	110005060016	1	Surface film(Not shown)
33	215040000003	6	Washer 5-A2-70 GB/T 93
34	101077063019		Key switch, options

No.	Part No.	Qty.	Description
34-1	203060000066	1	Key switch(SC:1000651)
34-2	203060003139	1	Key switch(SC:1001186)
35	101058063003		Options, Limit switch, Pothole protection
35-1	203060003030	2	Travel switch(Integrated plug)
35-2	203060003031	2	Travel switch(Connecting plug)
36	203080000004	4	PVC sheath
37	215020000212	4	Screw M4×35-A2-70 GB/T 818
38	215040000004	4	Washer 6-A2-70 GB/T 93
39	101040063172		Contactor selection
39-1	203040000023	1	Contactor(SC:1000077)
39-2	203040003016	1	Contactor(SC:1000254)
7-1	203060000024	1	Power switch(SC:1000110)
7-2	203060000124	1	Power switch(SC:1000077)
8	215010000233	2	Bolt M8×12-8.8-ZnD GB/T 5789
9	215020000211	2	Screw M4×30-A2-70 GB/T 818
40	215020000110	2	Screw M5×12-A2-70 GB/T 818
41	203040000001	1	Relay
42	101077063045		Options, Level sensor installation
43	101077063066		Charger ,options
44	110002060013		Battery options
44-1	110002060012	1	Battery pack

5.1.2 GPS OPTIONS



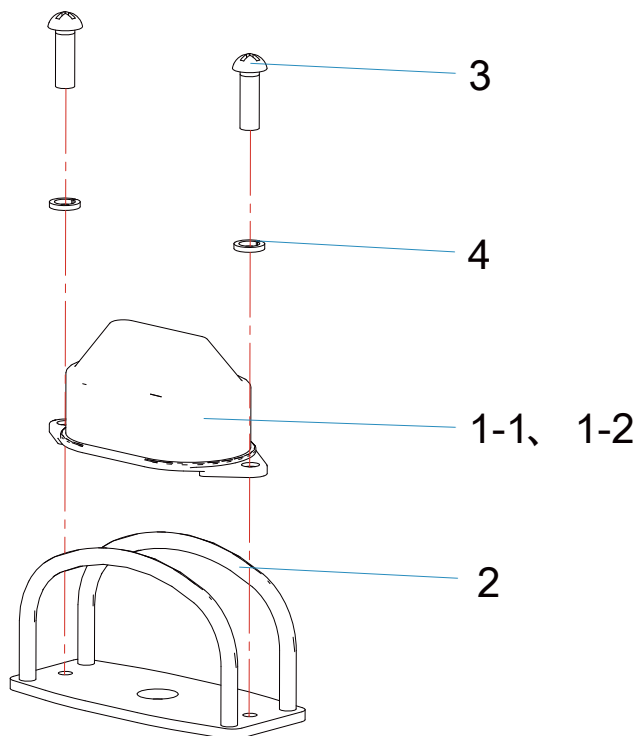
No.	Part No.	Qty.	Description
1	101042063006	1	GPS installation(Sinoboom)
1a	215020000105	2	Screw M4×12-A2-70 GB/T 818
1b	215040000031	2	Washer 4-A2 GB/T 97.1
1c	215040000002	2	Washer 4-A2-70 GB/T 93
1d	203020003040	1	GPS module (4G)
1e	203150003022	1	GPS/LTE antenna(Not shown)
2	101014063060	1	GPS installation(Hornet Rentals)
2a	215040000032	2	Washer 5-A2 GB/T 97.1
2b	215020000112	2	Screw M5×20-A2-70 GB/T 818
2c	203150003042	1	T-BOX
3	109002063014	1	GPS installation(Boyun car Union)
3a	101038033017	1	Guard
3b	203020003017	1	Patch GPS terminal
3c	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
3d	215040000003	2	Washer 5-A2-70 GB/T 93
3e	215040000032	2	Washer 5-A2 GB/T 97.1

5.1.3 CHARGER PLUG CORD OPTIONS

A	B	C	D	E	F	G	I
J	K	L	M	N	O	P	

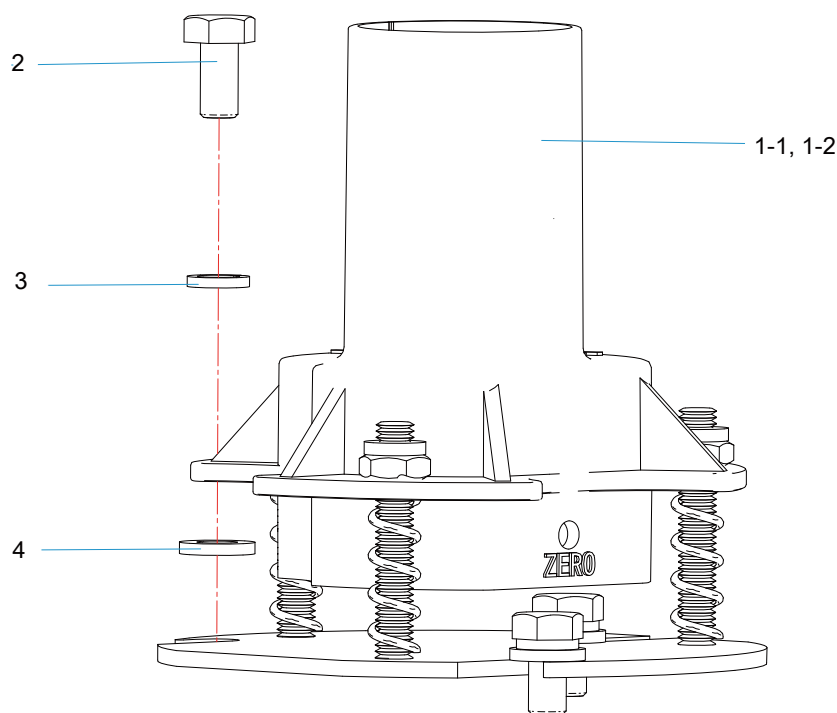
No.	Part No.	Qty.	Description
1	203080000173	1	Charger plug cable(Type M,Macao specs)
2	203080000174	1	Charger plug cable(Type J, Swiss specs)
3	203080000175	1	Charger plug cable(Type I, China and Australian specs, L=2.5)
4	203080000176	1	Charger plug cable(Type B, America and South America specs, L=2.5)
5	203080000177	1	Charger plug cable(Type E+F , European and Brazilian specs, L=2.5)
6	203080000178	1	Charger plug cable(Type G,HongKong and Middle East specs)
7	203080000319	1	Charger plug cable(Type L, South America specs)
8	203080000630	1	Charger plug cable(Type B, America and South America specs, L=4)
9	203080003527	1	Charger plug cable(93309381 (PSE))
10	203080003528	1	Charger plug cable(UK)
11	203080003847	1	Charger plug cable(Type E+F , European and Brazilian specs, L=4)
12	203080004070	1	Cable, plug (charger)(Type I, China and Australian specs, L=3.5)
13	203080004071	1	Cable, plug (charger)(Type I, China and Australian specs, L=4.5)
14	203080004132	1	Cable,plug(charger)(Type N)
15	203080004160	1	Cable,plug(charger)(Type I, Argentina)
16	203080004161	1	Cable,plug(charger)(Type H, Israel)

5.1.4 LED FLASHLIGHT OPTIONS



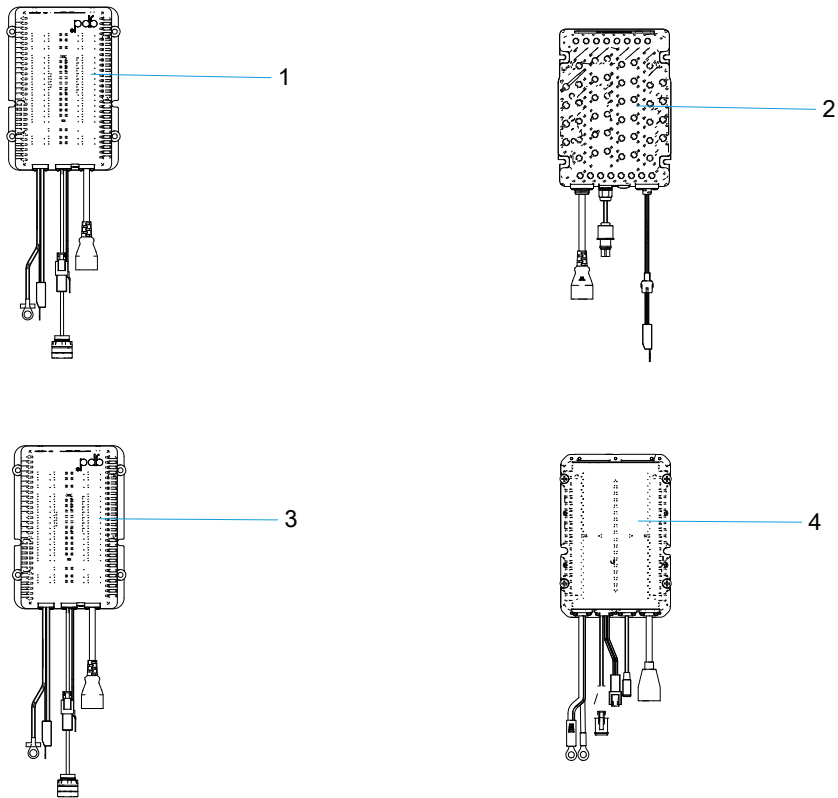
No.	Part No.	Qty.	Description
1-1	203050000038	1	LED strobe light(Yellow warning light)
1-2	203050003081	1	LED strobe light(Red warning light)
2	203990000003	1	Dust cover
3	215020000111	2	Screw M5×16-A2-70 GB/T 818
4	215040000003	2	Washer 5-A2-70 GB/T 93

5.1.5 LEVEL SENSOR OPTIONS



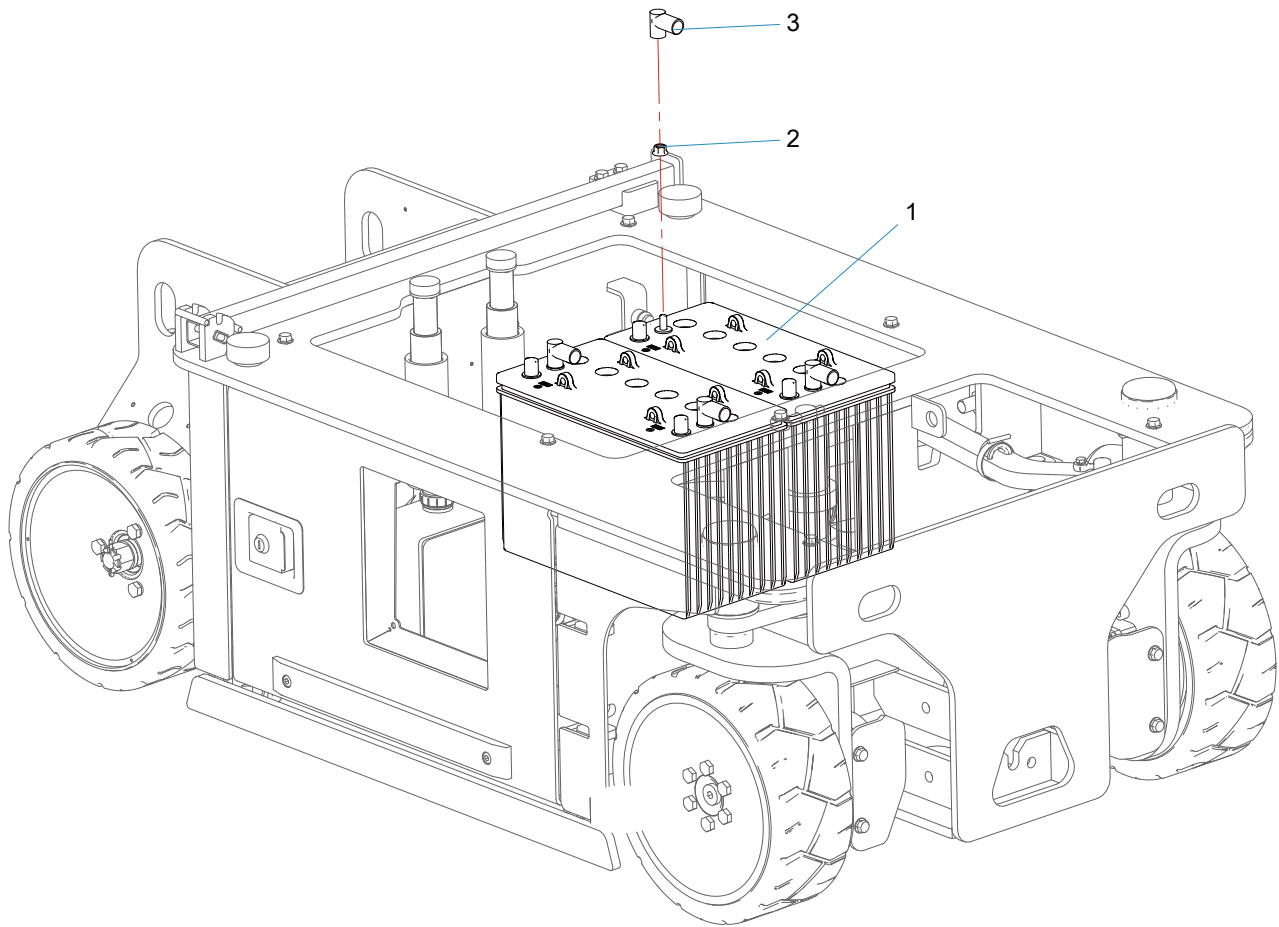
No.	Part No.	Qty.	Description
1-1	203060003157	1	Level switch(SC:1000658)
1-2	203060003158	1	Level switch(SC:1001176)
2	215010000049	3	Bolt M6×12-A2-70 GB/T 5783
3	215040000004	3	Washer 6-A2-70 GB/T 93
4	215040000139	3	Washer 6-200HV-304 GB/T 97.1

5.1.6 CHARGER OPTIONS



No.	Part No.	Qty.	Description
1	203100003059	1	Charger(SC:1000170, Lithium)
2	203100003078	1	Charger(SC:1000799, Lead-acid)
3	203100003064	1	Charger(SC:1000170, Lead-acid)
4	203190003019	1	Charger(SC:1000853, Lithium)

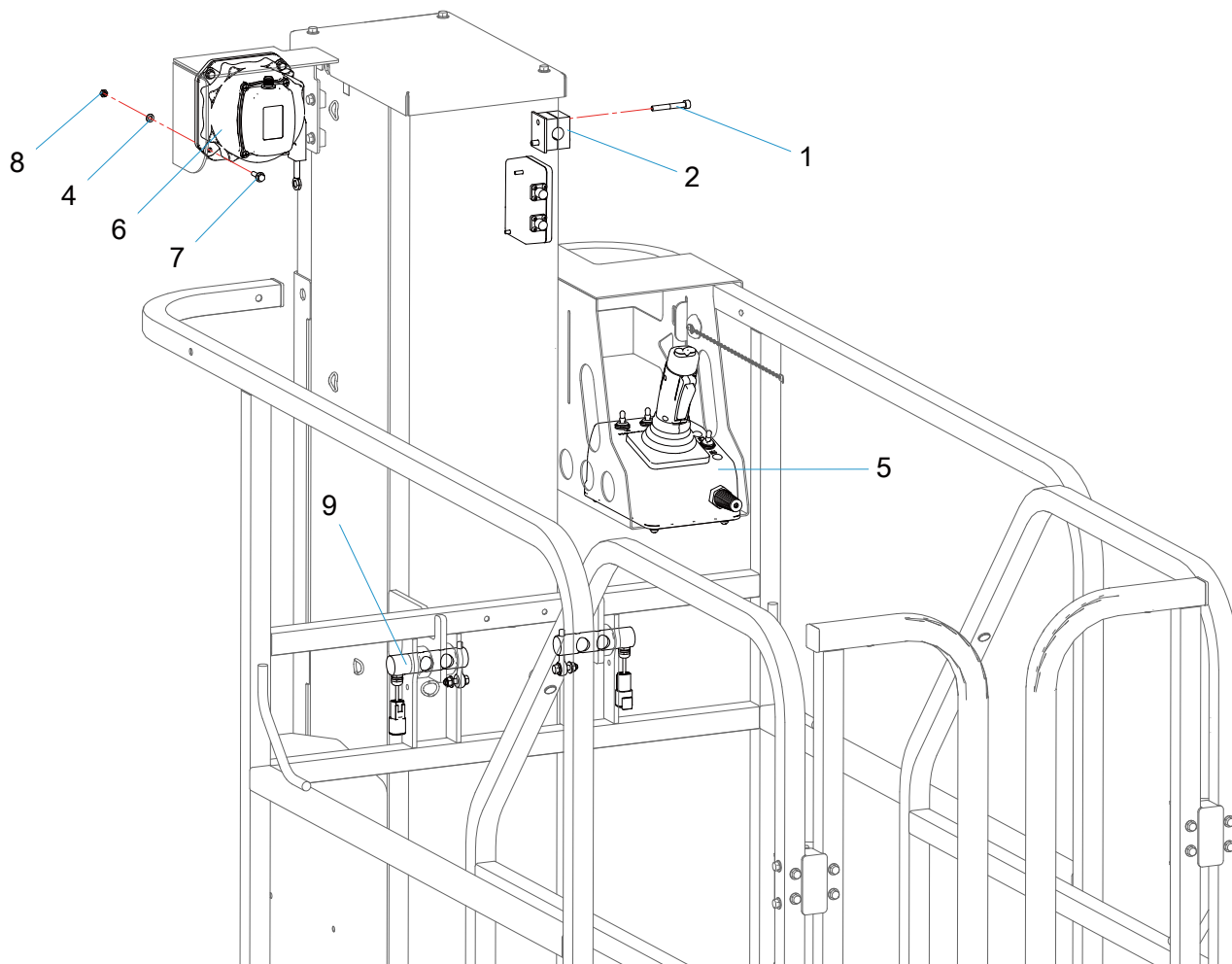
5.1.7 BATTERIES INSTALLATION



No.	Part No.	Qty.	Description
1	203100000048	2	Battery
2	215080000007	4	Hexagon flange nut 5/16-18UNC-GR8-DKL ASME B18.2.2
3	203080000004	4	PVC sheath

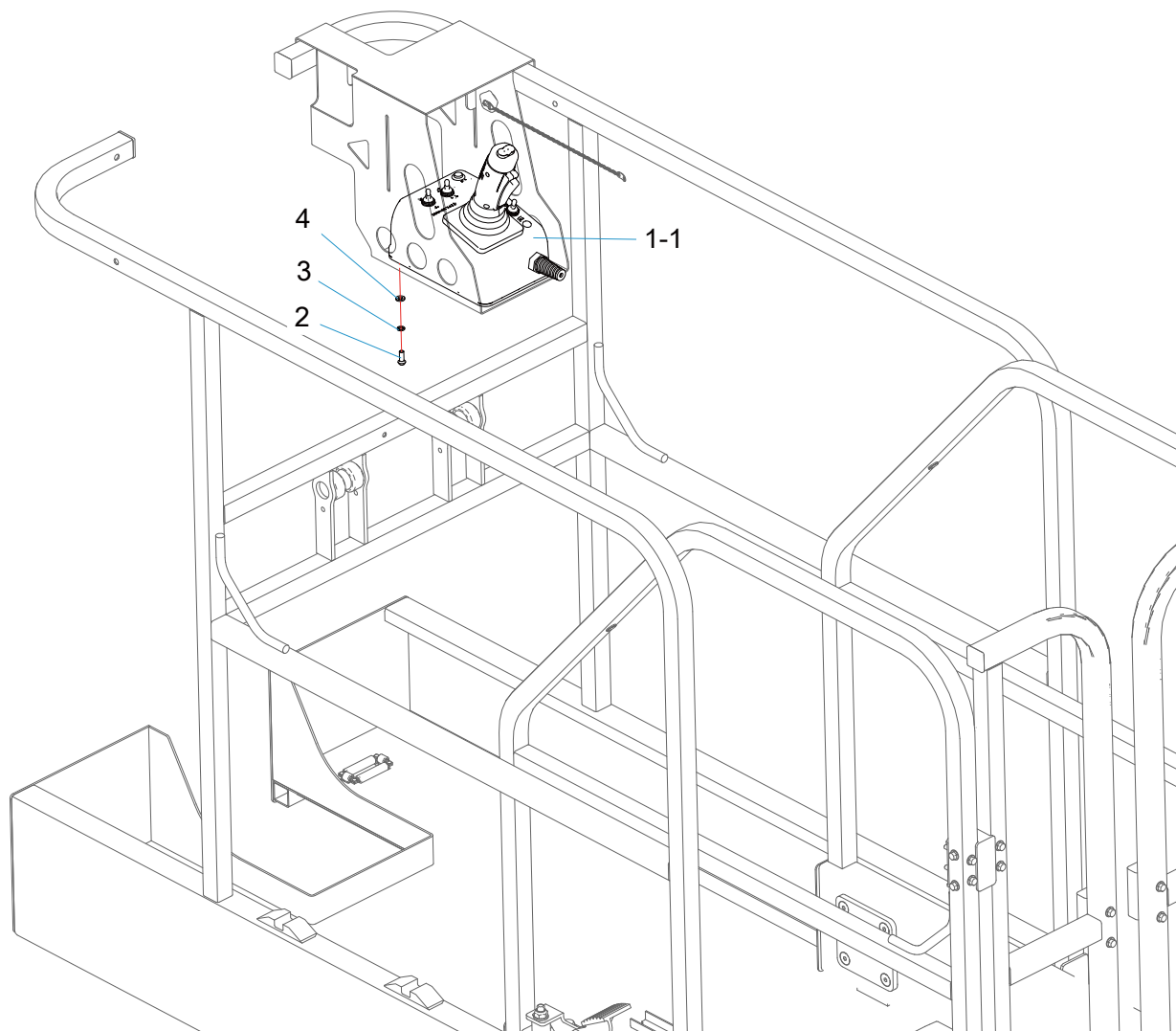
5.2 PLATFORM ELECTRICAL SYSTEM

5.2.1 PLATFORM ELECTRICAL COMPONENTS INSTALLATION



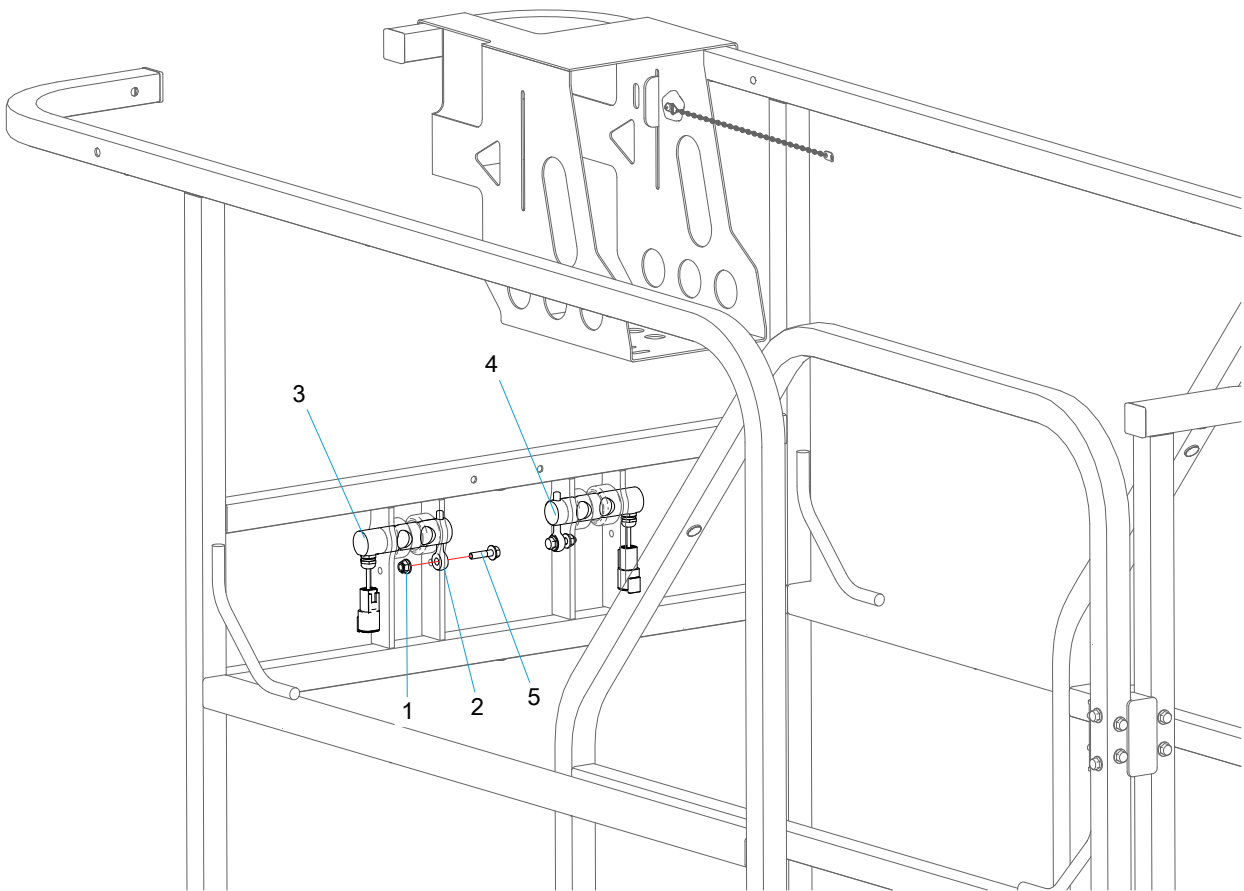
No.	Part No.	Qty.	Description
1	215020000017	2	Screw M6×45-A2-70 GB/T 70.1
2	216010003013	1	Clamp
3	203080004012	1	Plug with cable(Not shown)
4	215040000032	4	Washer 5-A2 GB/T 97.1
5	110005060015		Platform Controller Installation options
6	110005060009		OPT, sensor (length)
6-1	203150003154	1	Length sensor(SC:1000707)
7	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
8	215030000091	4	Nut M5-A2-70 GB/T 6184
9	110005060010		Load cell installation options
9-1	110005060012	1	Load cell installation(Pin-type)

5.2.2 PLATFORM CONTROL BOX INSTALLATION OPTIONS



No.	Part No.	Qty.	Description
1-1	203020003248	1	Platform controller
2	215020000116	4	Screw M6×16-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1

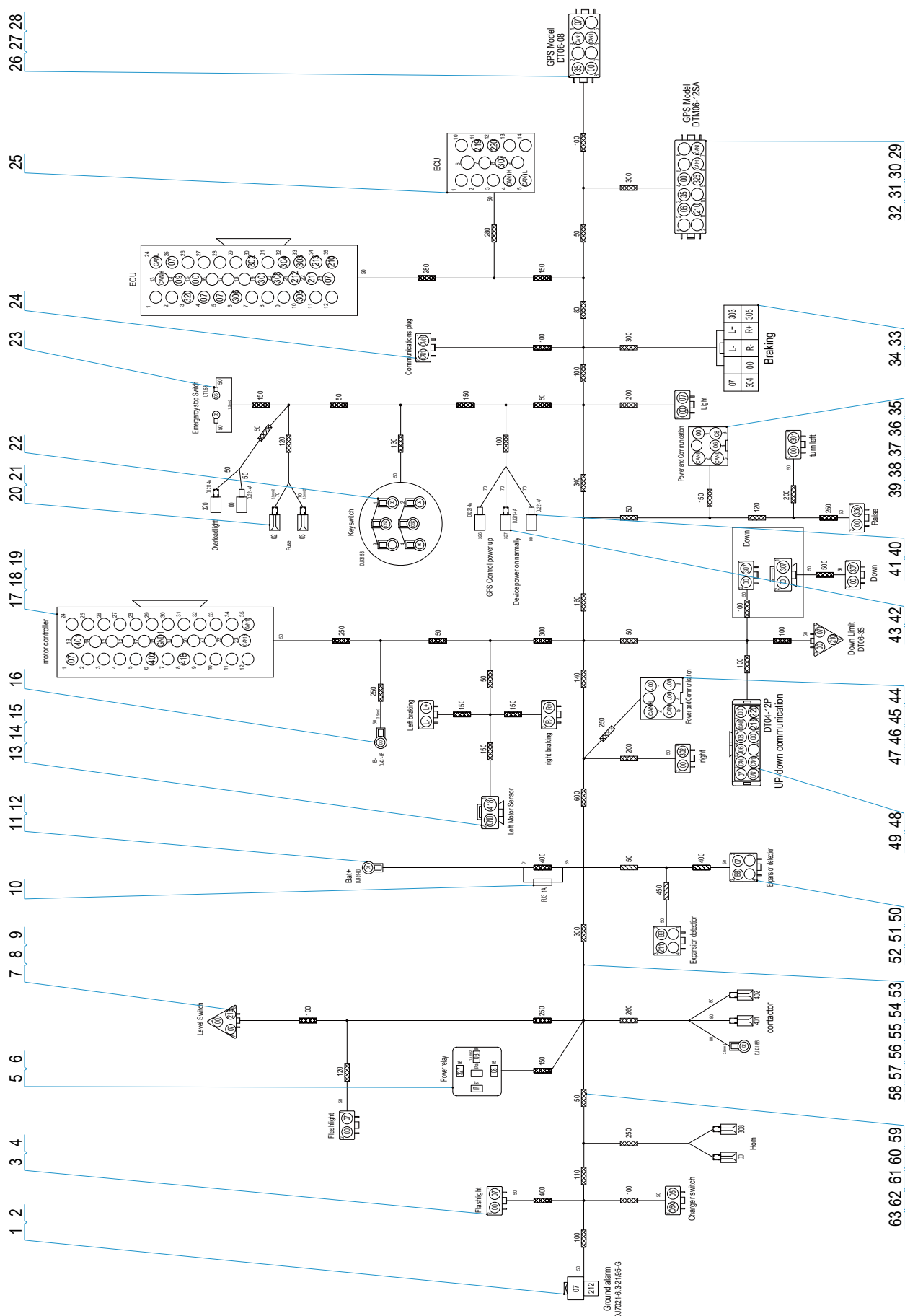
5.2.3 WEIGHING SENSOR INSTALLATION



No.	Part No.	Qty.	Description
1	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
2	110005040044	2	Keeper pin $\Phi 6.5-50$
3	203150003149	1	shaft pin type load cell
4	203150003150	1	Shaft pin type load cell
5	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789

5.3 ELECTRICAL HARNESS ASSEMBLY

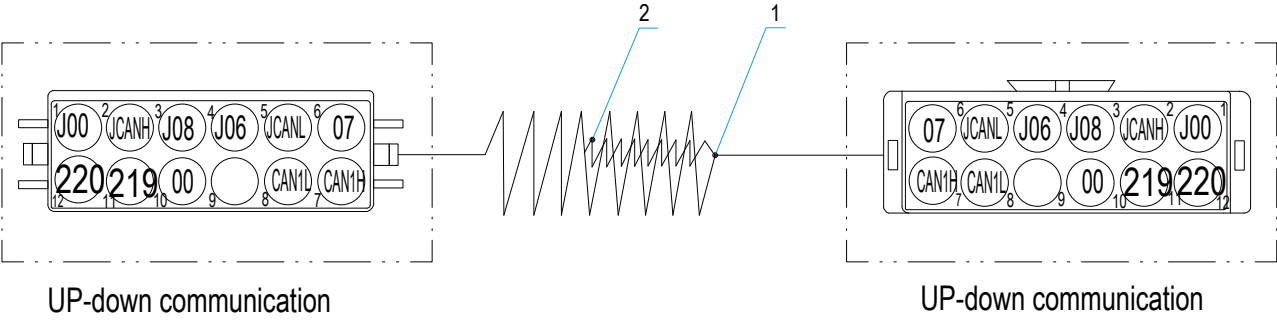
5.3.1 CHASSIS HARNESS (PN.110005060005)



No.	Part No.	Qty.	Description
	110005060005		Chassis harness
1	203080000335	1	Sheath
2	203080000200	2	Terminal
3	203080000024	12	Sheath
4	203080000016	12	Lock
5	203040000038	1	Relay mount
6	203080000336	4	Terminal
7	203080000012	2	Sheath
8	203080000032	2	Lock
9	203080000041	39	Female connector
10	203070003007	1	Fuse box(for harness)
11	203080000018	2	Ring tongue terminal
12	203080000030	1	Heat shrink tube
13	203080000011	2	Sheath
14	203080000021	2	Lock
15	203080000033	15	Male connector
16	203080000133	1	Terminal, blade-hole type
17	203080000430	2	AMP Connector (35-pin)
18	203080000433	32	Terminal
19	203080000295	52	Plastic Stopper
20	203080000130	6	Terminal
21	203080000129	6	Jacket, flexible
22	203080000134	5	Terminal,blade-hole type
23	203080000036	2	Cold-pressed terminal
24	203080000474	2	Waterproof cover
25	203080000431	1	AMP connector(14-pin)
26	203080000100	1	Connector
27	203080000112	1	Lock
28	203080003219	1	Waterproof cover
29	203080003532	1	Sheath
30	203080003533	1	Lock
31	203060000085	7	#20 female terminal
32	203080000085	5	Blind plug
33	203080000259	1	MOLEX Connector
34	203080000584	9	Terminal
35	203080000348	1	Connector
36	203080000355	5	Socket
37	203080000354	1	Cover
38	203080000350	2	Connector

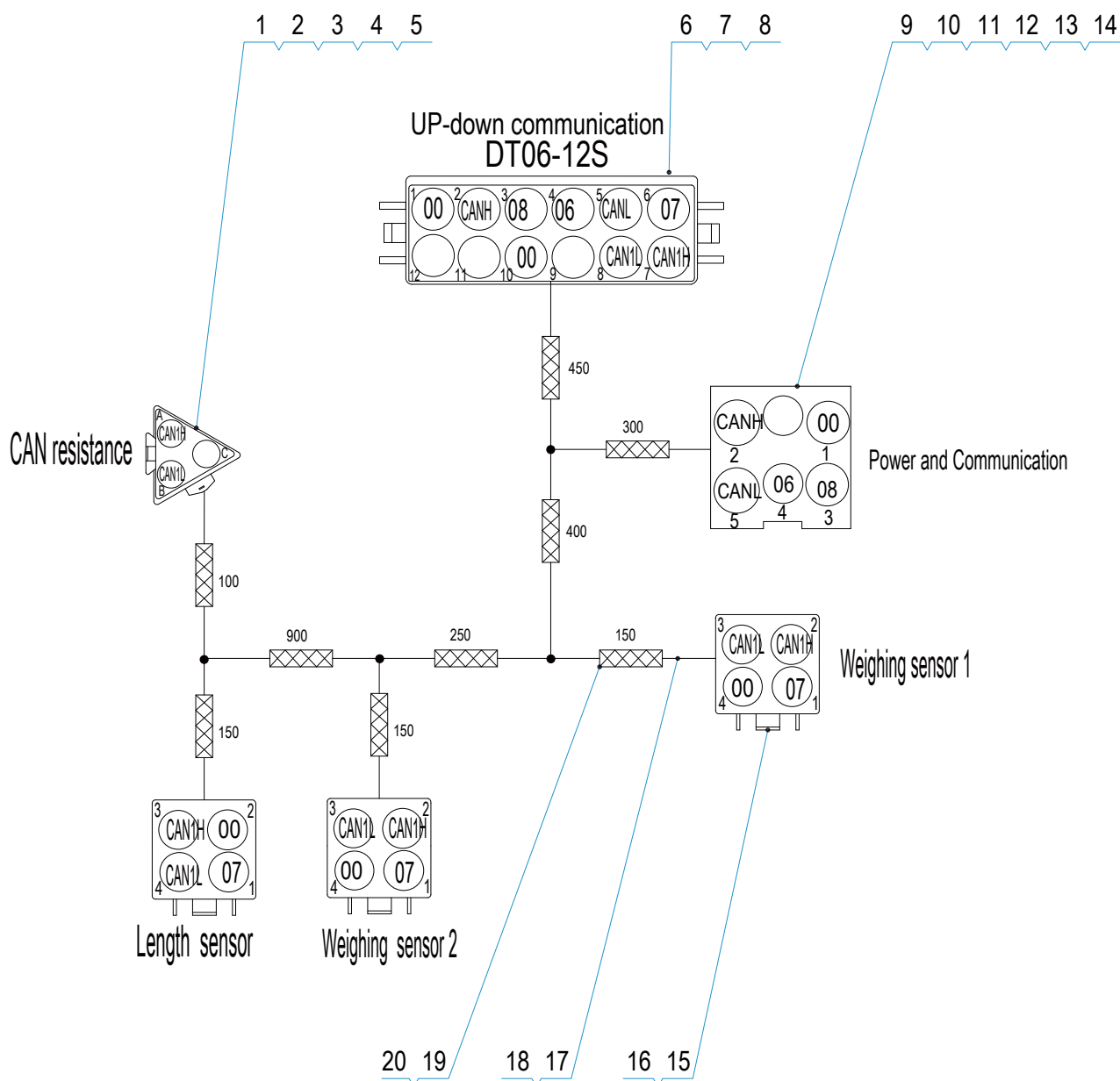
No.	Part No.	Qty.	Description
39	203080003050	1	5-pin cable
40	203080003857	3	Terminal
41	203080003856	3	Sheath
42	203080003220	2	Terminal
43	203080003221	2	Sheath
44	203080000349	1	Connector
45	203080000351	5	Pin
46	203080000353	1	Cover
47	203240000033	1	Dual wall heat shrink tube
48	203080000156	1	Sheath
49	203080000157	1	Lock
50	203080000020	2	Lock
51	203080000044	2	Sheath
52	203080000068	8	Blind plug
53	203080000029	1	Cable
54	203080000047	3	Cable
55	203080000248	77	Cable
56	203080000308	25	Cable
57	203080000196	1	Cable
58	203080000528	2	Wire
59	203080000135	1	Corrugated pipe (Black)
60	203080000037	2	Corrugated pipe
61	203080000006	6	Corrugated pipe
62	203080000031	11	Corrugated pipe
63	203080000188	1	Corrugated pipe

5.3.2 GROUND TO PLATFORM HARNESS (PN.110005060004)



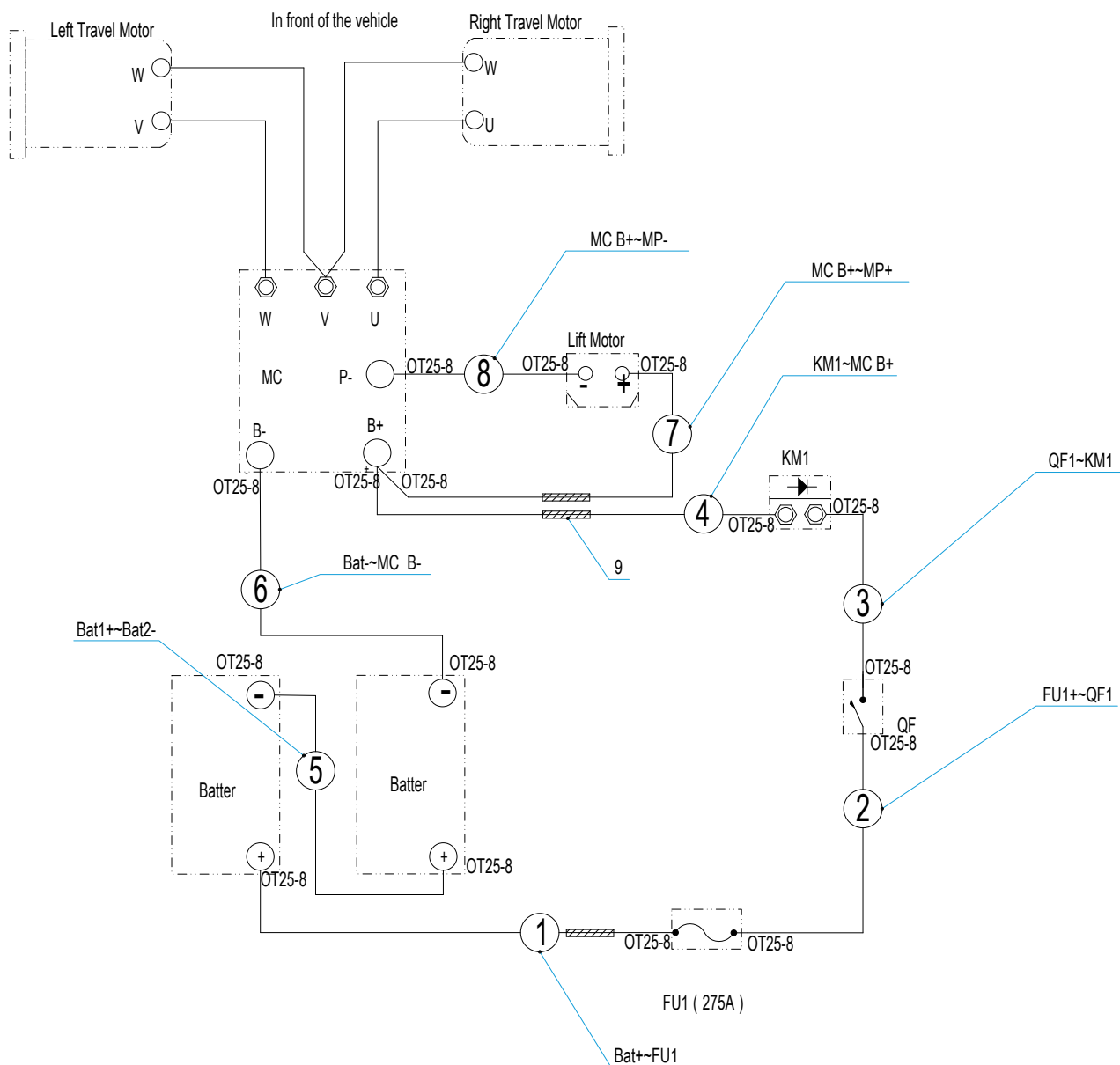
No.	Part No.	Qty.	Description
	110005060004		Ground to Platform Harness
1	203080003854	1	Spiral line
2	203990003136	1	Spiral guide line

5.3.3 PLATFORM HARNESS (PN.110005060006)



No.	Part No.	Qty.	Description
	110005060006		Wiring harness, platform
1	203080000043	1	Sheath
2	203080000046	1	Lock
3	203080000033	2	Male connector
4	203080000086	1	Connector
5	203080000085	4	Blind plug
6	203080000155	1	Connector
7	203080000159	1	Lock
8	203080000041	21	Female connector
9	203080000348	1	Connector
10	203080000355	5	Socket
11	203080000354	1	Cover
12	203080000350	1	Connector
13	203080003050	1	5-pin cable
14	203240000033	1	Dual wall heat shrink tube
15	203080000020	3	Lock
16	203080000044	3	Sheath
17	203080000248	8	Cable
18	203080000308	8	Cable
19	203080000037	1	Corrugated pipe
20	203080000006	4	Corrugated pipe

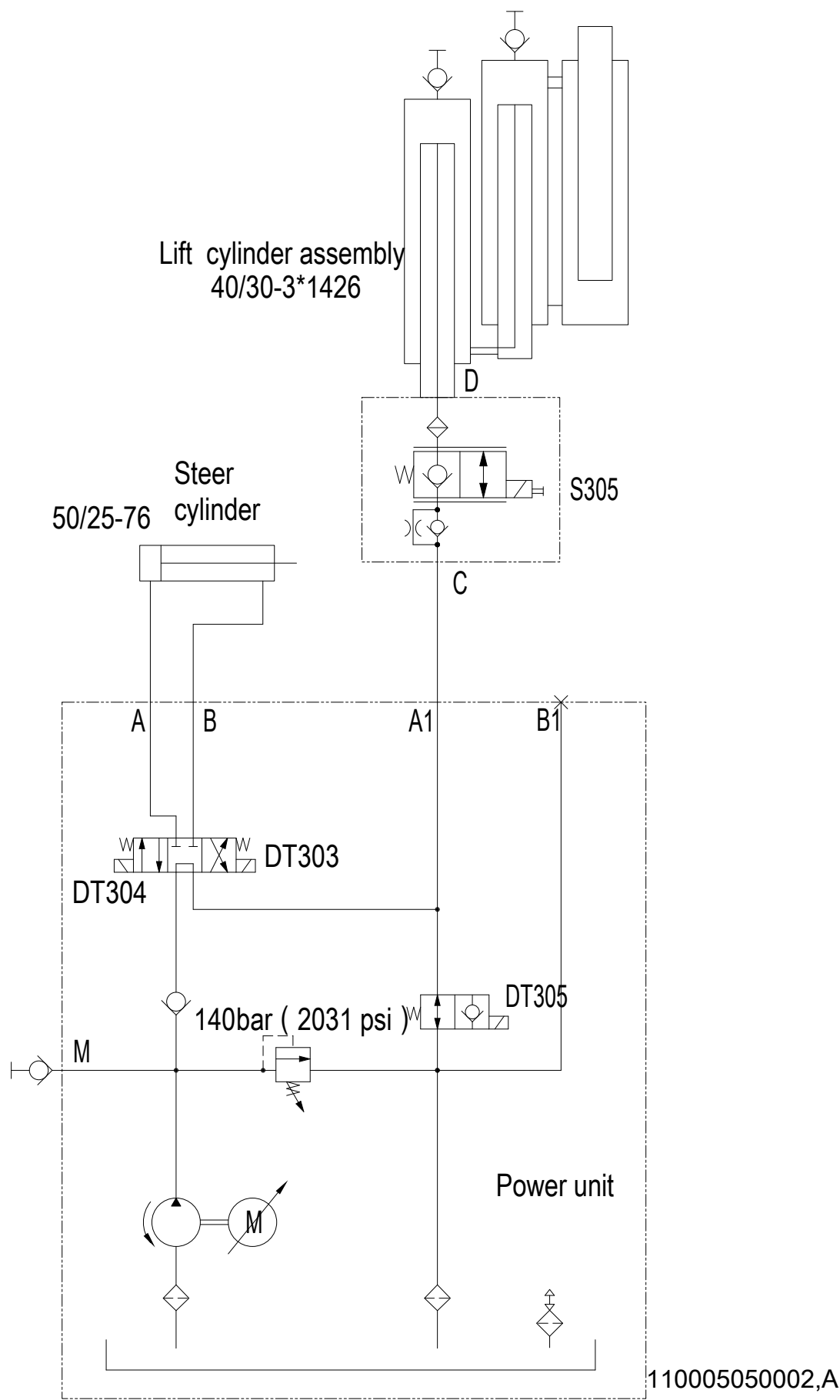
5.3.4 ELECTRICAL POWER WIRING LAYOUT (PN.110002060025)



No.	Part No.	Qty.	Description
	110002060025		Electrical power wiring layout
1	203230003249	1	Power line
2	203230001037	1	Power line
3	203230001038	1	Power line
4	203230003248	1	Power line
5	203230001040	1	Power line
6	203230001041	1	Power line
7	203230001042	1	Power line
8	203230001043	1	Power line
9	203080003048	3	Corrugated pipe

6 SCHEMATIC DIAGRAM

Hydraulic Schematic Diagram

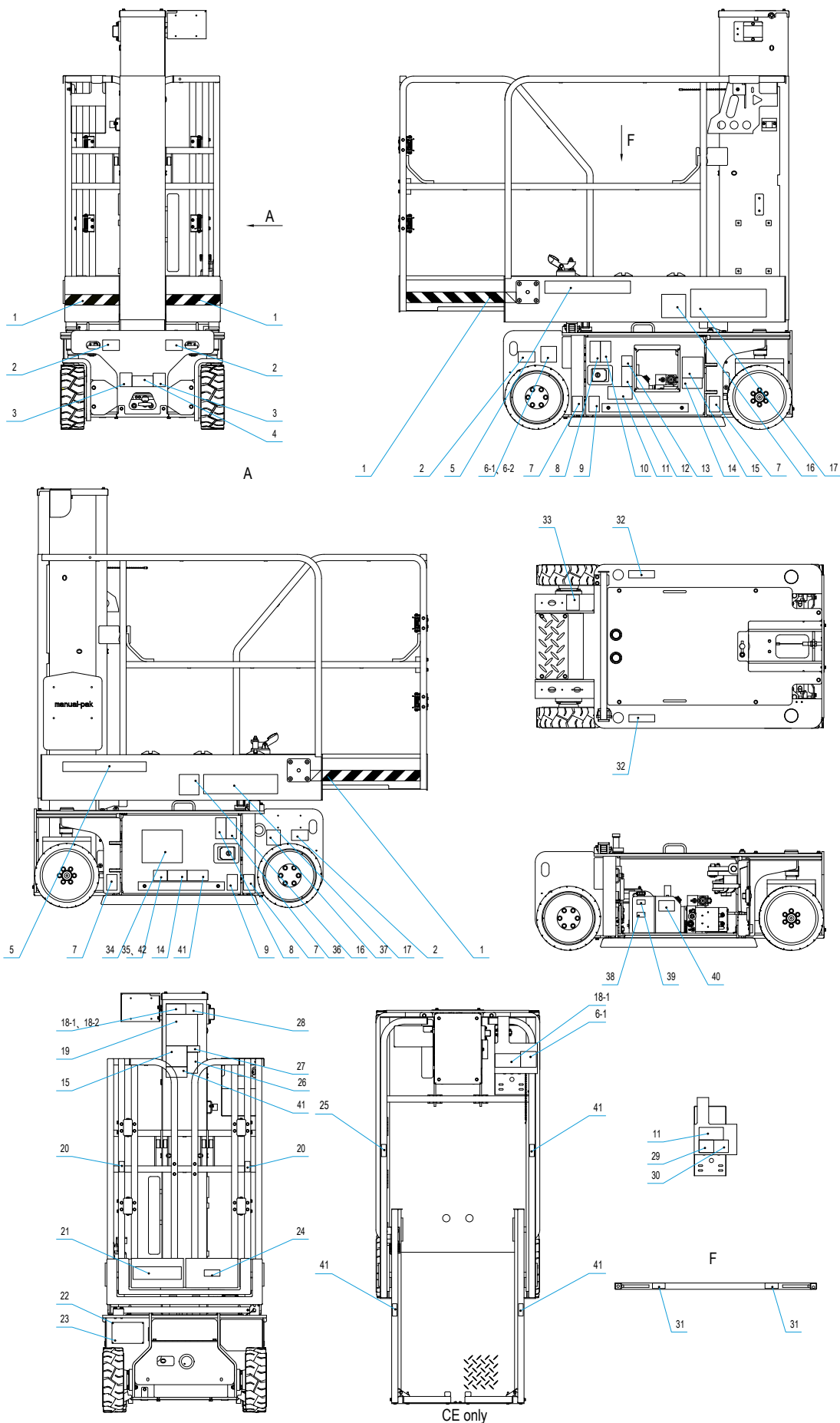


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7 DECALS DIAGRAM



No.	ANSI&CSA	CE-Imperial	CE-Metric	Note	Qty.
	110005100012	110005100010	110005100011	General diagram of decals positions	1
1	216060000004	216060000004	216060000004	Yellow & black hazard warning stripe tape (50mm wide)	2
2	101079103010	101079103010	101079103010	Decal-Lifting point and lashing point	4
3	110002100010	110002100010	110002100010	Decal-Release braking	2
4	110001100003	110001100003	110001100003	Decal-Emergency lowering	1
5	101040103021	101040103021	101040103021	LOGO-SINOBOOM	2
6-1	/	104011100016	104011100016	Decal-Emergency stop button	2
6-2	104011100016	/	/	Decal-Emergency stop button	1
7	110002100020	110002100013	110002100013	Decal-Tire-to-ground load	4
8	101038100008	101038100008	101038100008	Decal-No smoking or fire	2
9	101014100013	101014100013	101014100013	Decal-Crushing hazard	2
10	101038100002	101038100002	101038100002	Decal-High pressure hazard	1
12	101040100002	101040100002	101040100002	Decal-Read manuals	1
13	110001100008	110001100008	110001100008	Decal-Lifting points	1
14	101012100008	101012100008	101012100008	Decal-Tipping hazard	2
15	110002100026	110001100010	110001100010	Decal-Electrocution hazard	2
16	103010103017	/	/	Decal-Lead acid battery	2
17	110005100002	110005100002	110005100001	Decal-Trade ID	2
18-1	/	101040100005	101040100005	Decal-Read manuals	2
18-2	101040100005	/	/	Decal-Read manuals	1
19	110005100005	110005100003	110005100003	Decal-Requirements of use	1
20	110005100009	110005100009	110005100009	Decal-Crushing hazard	2
21	110005100006	110005100004	110005100004	Decal-Requirements of use	1
22	215050000012	215050000012	215050000012	Blind rivet 4×8-ZnD GB/T 12618.2	4
23	110002100017	110002100025	110002100025	Nameplate	1
24	101040103015	/	/	Decal-Annual inspection date	1
25	110002100024	110002100024	110002100024	Decal-Tipping hazard	2
26	110002100023	/	/	Decal-Operation instructions	1
27	103010103014	/	/	Decal-Non-insulated	1
28	101040100009	101040100009	101040100009	Decal-Tipping hazard	1
29	101040103014	/	/	Decal-Detachable joystick bracket	1
30	101055103015	/	/	Decal-Emergency stop button	1
31	103006103014	103006103014	103006103014	Decal-Anchor point	4
32	101014100032	101014100032	101014100032	Decal-Serial number	2
33	110002100014	110002100014	110002100014	Decal-Platform power plug	1
34	101040103023	101040103023	101040103023	Decal-Large logo in white	1

No.	ANSI&CSA	CE-Imperial	CE-Metric	Note	Qty.
35	101040103020	/	/	Decal-Tipping hazard	1
36	101038100007	101038100007	101038100007	Decal-Electrocution hazard	1
37	110005100008	110005100007	110005100007	Decal-Charging voltage	1
38	104011100003	104011100003	104011100003	Decal-Hydraulic oil level	1
39	104011100010	104011100010	104011100010	Decal-Hydraulic oil level	1
40	101014100022	101014100022	101014100022	Decal-Hydraulic oil filler	1
41	/	101089100019	101089100019	Decal-Hand-hold position	4
42	/	101040103018	101040103018	Decal-Battery weight 160kg (1212E)	1

Always for Better Access Solutions



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