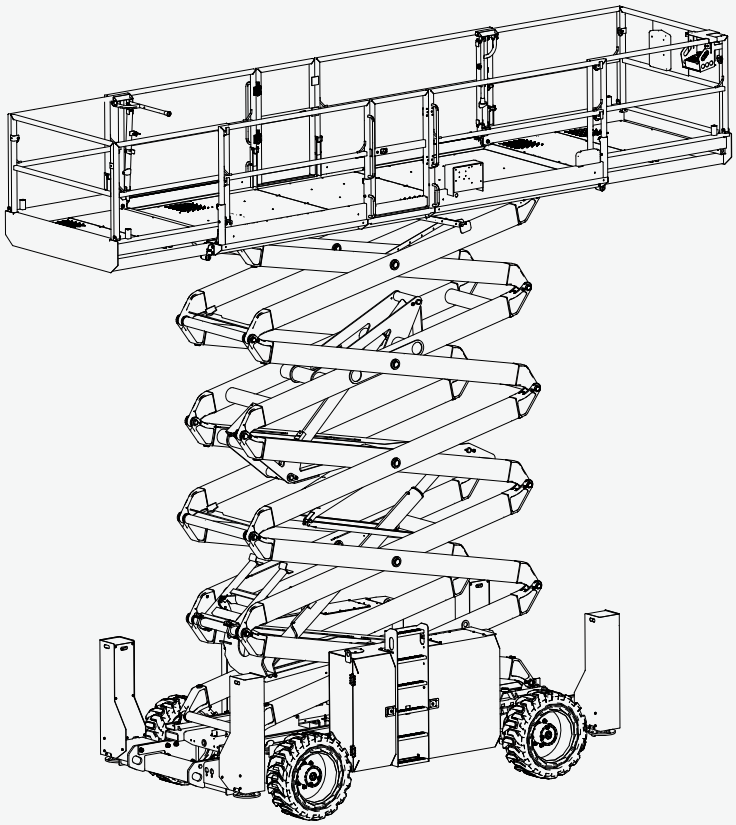
Parts Manual

Manual No: 515008120002-EN
Manual Version: A
Jun. 2024
Translated version

1323RE (1323RE/4389RE) *From 1500700001 to present*

1623RE (1623RE/5389RE) *From 1500800100 to present*



GB CE ANSI AS/NZS EAC CSA

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:

REV	DATE	DESCRIPTION
A	Jun. 2024	Original issue

APPLICABLE MODELS

The manual is applicable to machines with the following models and serial numbers:

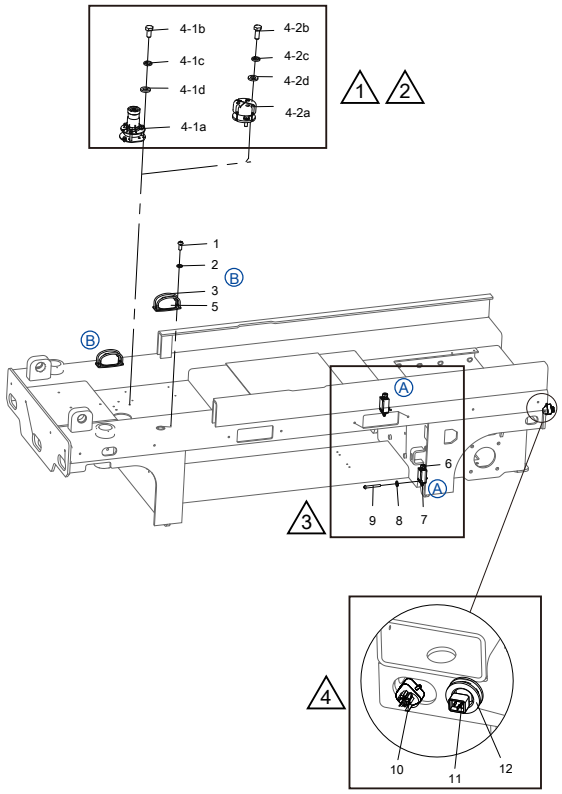
Model	Metric Trade ID	Imperial Trade ID	Serial No.
1323RE	1323RE	4389RE	From 1500700001 to present
1623RE	1623RE	5389RE	From 1500800100 to present

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 is indicated on the nameplate for distinction of products with different main 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:



序号	编号	数量	说明
1	215020000110	4	螺钉M5×12-A2-70 GB/T 81
2	215040000003	4	垫圈5-A2-70 GB/T 93
3	203990000003	4	防护罩
4	101053063017		水平开关安装选配
4-1a	203150000066	1	水平开关
4-1b	215010000049	3	螺栓M6×12-A2-70 GB/T 5783
4-1c	215040000004	3	垫圈6-A2-70 GB/T 93
4-1d	215040000033	3	垫圈6-A2 GB/T 97.1
4-2a	203060000076	1	水平开关
4-2b	215010000050	3	螺栓M6×16-A2-70 GB/T 5783
4-2c	215040000004	3	垫圈6-A2-70 GB/T 93
4-2d	215040000033	3	垫圈6-A2 GB/T 97.1
5	203050000038	2	LED频闪灯
6	201990003005	2	尼龙防水接头
7	203060000055	2	行程开关
8	215040000003	2	垫圈5-A2-70 GB/T 93
9	215020000215	2	螺钉M5×40-A2-70 GB/T 818
10	203080000173	1	充电插头线
11	203080000343	1	品字公母对插线
12	101032030115	1	保护套

△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.

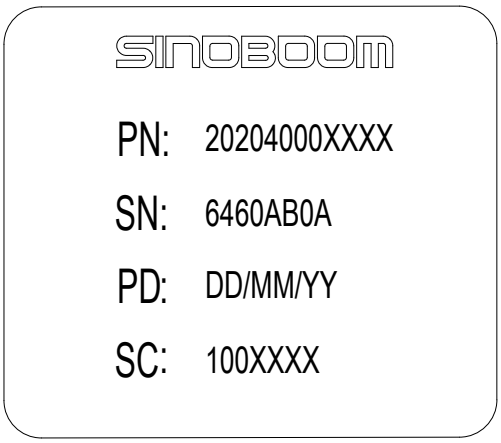
△3 “A, B, C……” in figure indicates the same parts in many positions, and the same position is indicated by the same symbol.

△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



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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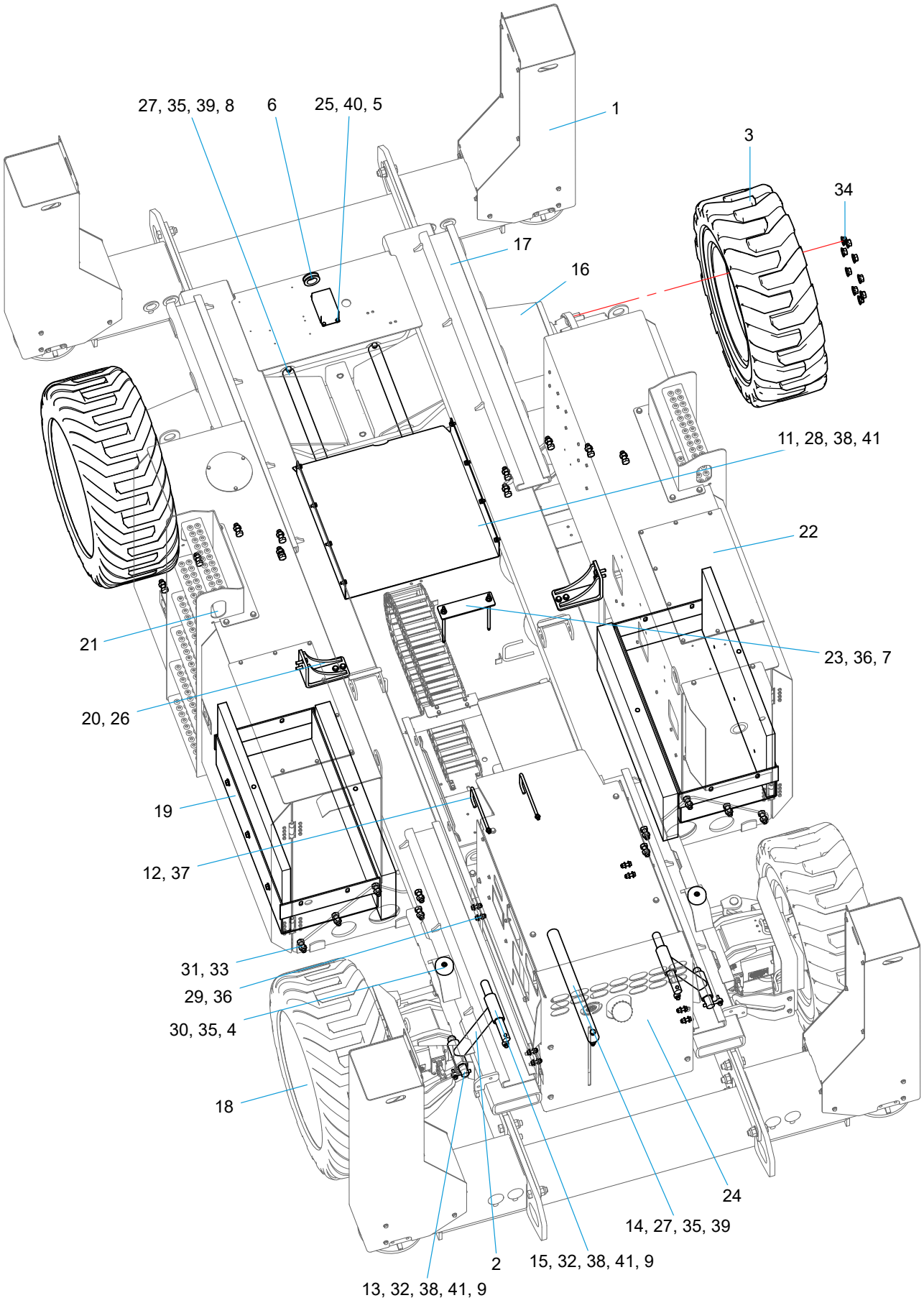
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1 CHASSIS ASSEMBLY

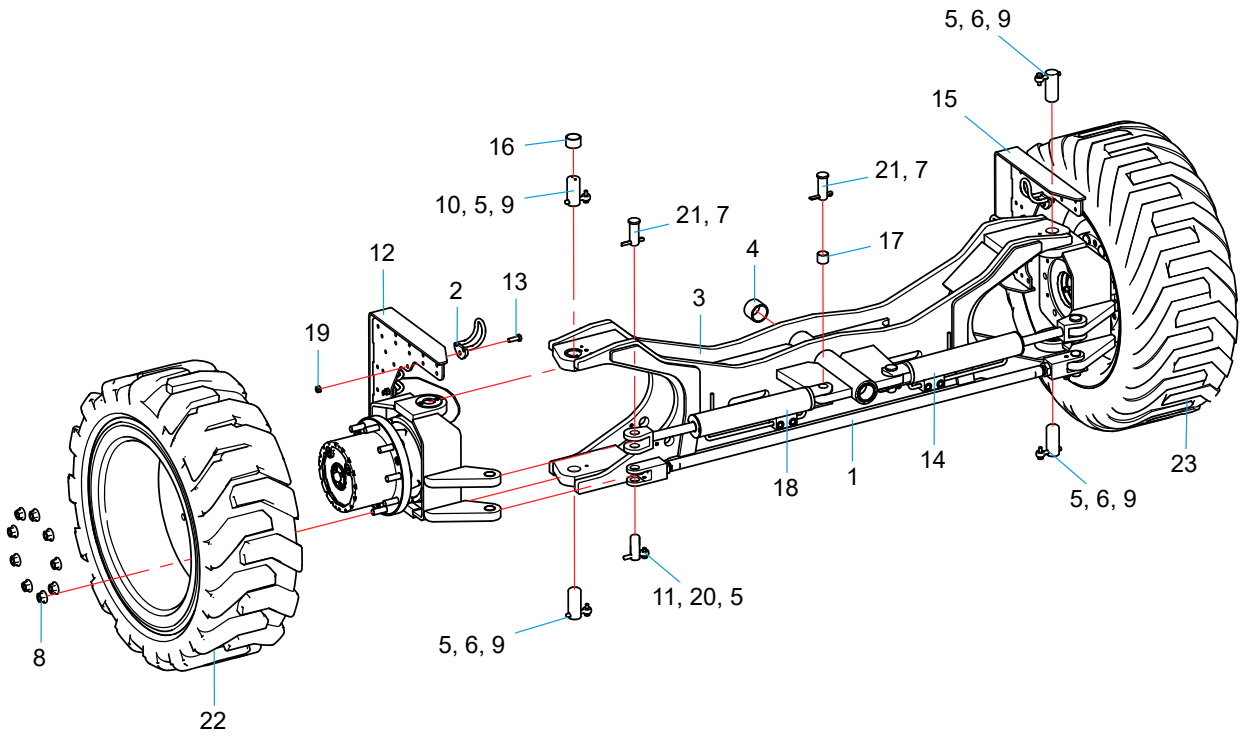
1.1 CHASSIS ASSEMBLY



No.	Part No.	Qty.	Description
1	102015033031		Outrigger installation(See details)
2	102001030156		Oscillate cylinder options(See details)
3	104009030014		Left tire options(See details)
4	102001030150	2	Pad
5	102001030225	1	Hood, level sensor
6	102004030245	1	Rubber grommet
7	101077033077	2	Screw rod
8	102001030149	2	Pin XGΦ45-480 [Z]
9	101012010044	4	Keeper pin
10	104009030016		Right tire options(See details)
11	102001030228	1	Plate, folded
12	102001030251	2	Round steel
13	102001030154	2	Pin XGΦ30-180 [Z]
14	115006033658	1	Pin XGΦ45-520[Z]
15	102001030153	2	Pin XGΦ30-280 [Z]
16	115008030039		INST, rear outrigger(See details)
17	115008030021	1	Weldment, Chassis
18	115008030033		INST, front outrigger(See details)
19	115008030067		Battery installation options(See details)
20	115007030001	2	Bracket
21	115008030022		ASSY, chassis box (R)(See details)
22	115008030023		ASSY, chassis box (L)(See details)
23	115008030049	1	Plate
24	115008030084		OPT, engine unit(See details)
24-1	115006033966	1	INST, engine unit(Optional configuration, see details)
24-2	115008030063	1	Plate, folded(Standard configuration)
25	215010000049	4	Bolt M6×12-A2-70 GB/T 5783
26	215010000248	8	Bolt M10x35-8.8 ZnD GB/T 5789
27	215010000016	3	Bolt M12×90-8.8-ZnD GB/T 5782
28	215010000056	8	Bolt M8×16-8.8-ZnD GB/T 5783
29	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
30	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
31	215010000110	20	Bolt M16×40-8.8-ZnD GB/T 5783
32	215010000060	4	Bolt M8×35-8.8-ZnD GB/T 5783
33	215030000031	21	Nut M16-8-ZnD GB/T 6184
34	215030000063	18	Nut M16×1.5-10-DKL DTF 6177.2
35	215030000029	5	Nut M12-8-ZnD GB/T 6184
36	215030000109	10	Nut M10-8-ZnD GB/T 6183.1

No.	Part No.	Qty.	Description
37	215030000027	2	Nut M10-8-ZnD GB/T 6184
38	215040000005	12	Washer 8-ZnD GB/T 93
39	215040000037	3	Washer 12-200HV-ZnD GB/T 97.1
40	215040000033	4	Washer 6-A2 GB/T 97.1
41	215040000034	12	Washer 8-200HV-ZnD GB/T 97.1

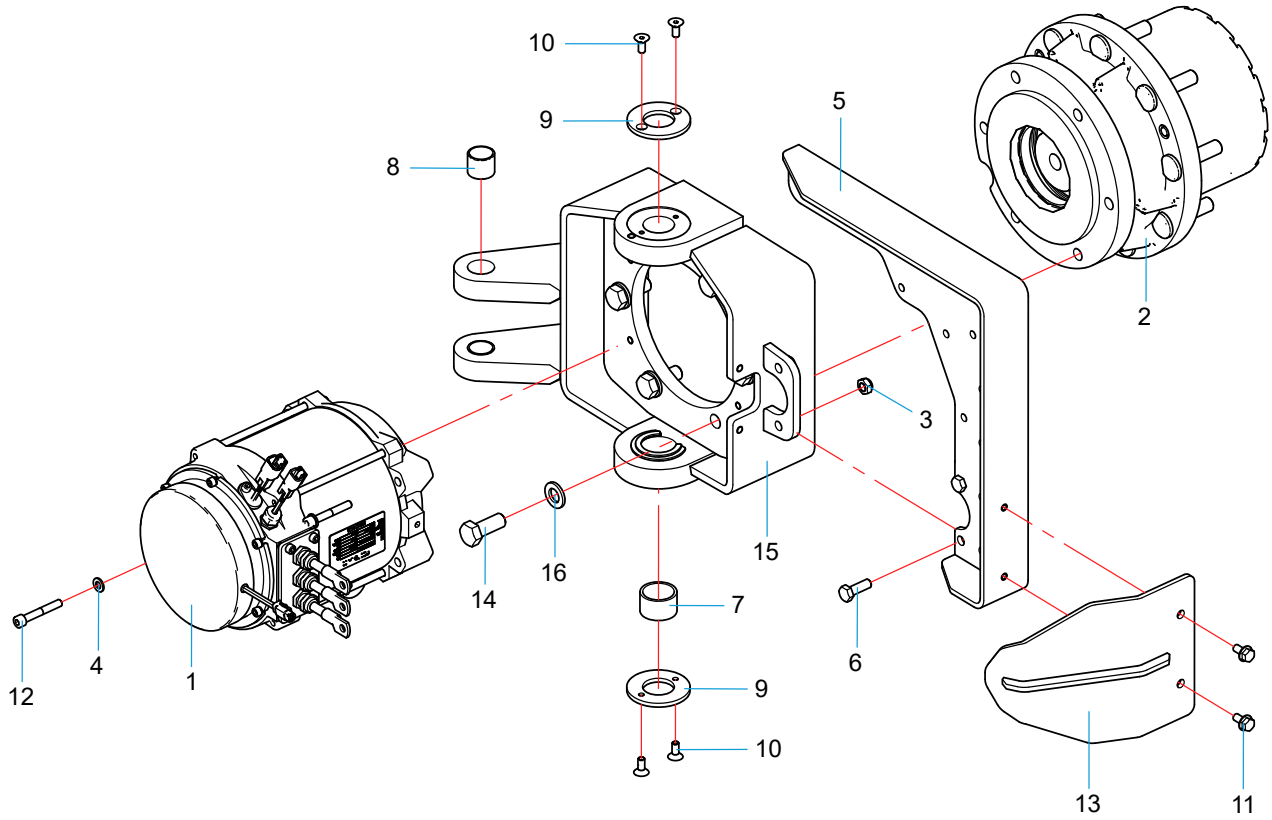
1.2 FRONT AXLE INSTALLATION



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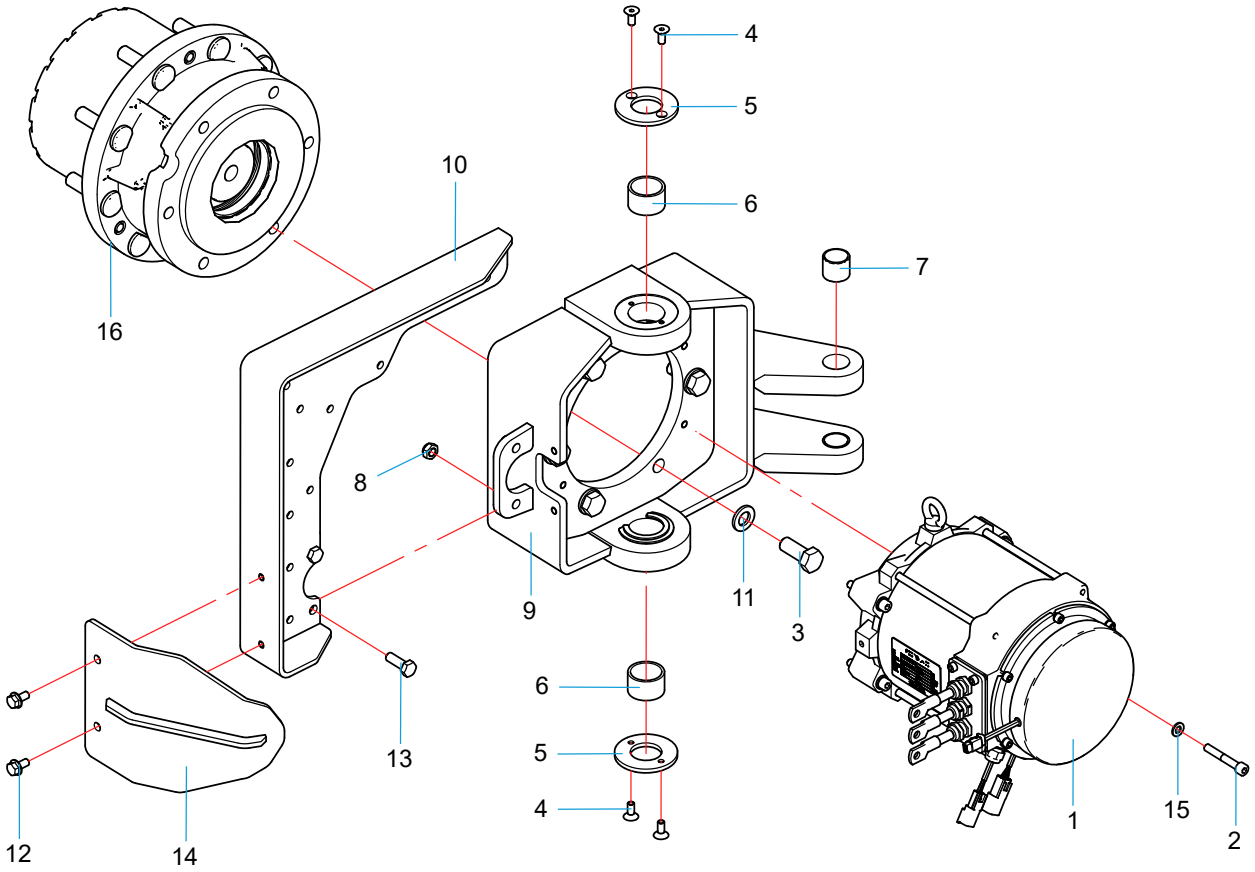
No.	Part No.	Qty.	Description
1	102001030020	1	Steer linkage(See details)
2	102001030226	4	Cable holder
3	115006033581	1	Weldment, front outrigger
4	214030000092	2	Self-lubricating bearing 45×53×40
5	101012010044	6	Keeper pin
6	115008030046	3	Pin XGφ35-85 [Z]
7	215060000097	4	Pin 8×50-ZnD GB/T 91
8	215030000063	18	Nut M16×1.5-10-DKL DTF 6177.2
9	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
10	115006033638	1	Pin XGΦ35-78
11	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
12	115008030056		Reducer installation (L, F)(See details)
13	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
14	102001030218	1	Right steer cylinder(B)
14a	207990003983	1	Seal kit, cylinder
15	115008030038		Reducer installation (R, F)(See details)
16	214030000046	1	Self-lubricating bushing
17	214030000035	2	Self-lubricating bearing
18	102001050003	1	Left steer cylinder(C)
18a	207990003984	1	Seal kit, cylinder
19	215030000027	4	Nut M10-8-ZnD GB/T 6184
20	102004030217	2	Pin ZGΦ25-70 [Z]
21	102001030018	4	Clevis pin XJΦ25-75 [Z]
22	104009030014		Left tire options(See details)
23	104009030016		Right tire options(See details)

1.3 FL REDUCER INSTALLATION



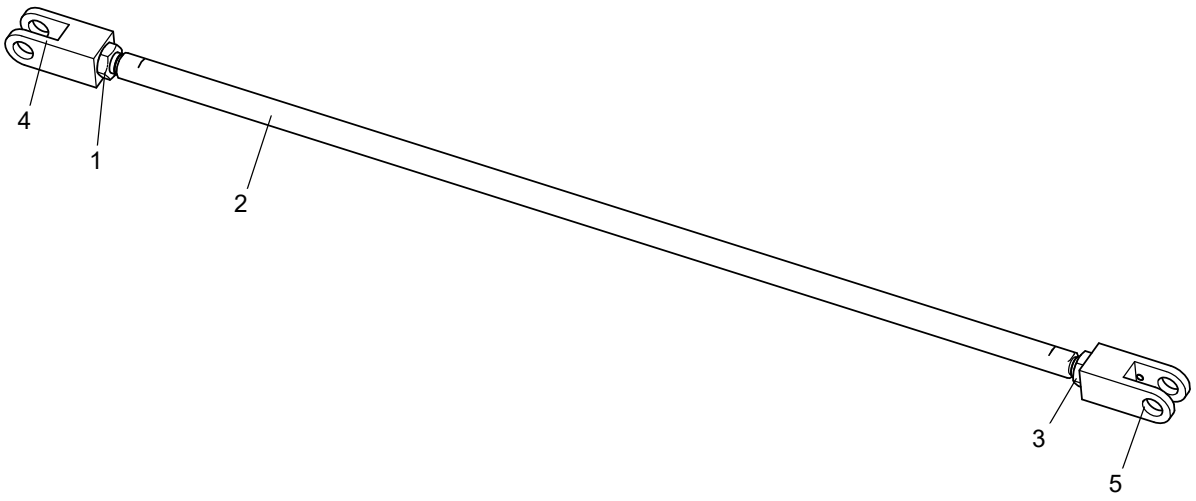
No.	Part No.	Qty.	Description
1	203010003029	1	Travel motor
2	204020003074	1	Travel reducer
2a	204020003075	1	Seal kit, Drive reducer
3	215030000027	2	Nut M10-8-ZnD GB/T 6184
4	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
5	102001030030	1	Guard plate (L)
6	215010000071	2	Bolt M10×30-8.8-ZnD GB/T 5783
7	214030000046	1	Self-lubricating bushing
8	214030000035	2	Self-lubricating bearing
9	216030000008	2	Thrust washer
10	215020000261	4	Screw M5×12-8.8 GB/T 70.3
11	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
12	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
13	115008030072	1	Cover, protection
14	215010000111	6	Bolt M16×40-10.9-DKL GB/T 5783
15	115008030055	1	Steer disc, left
16	215040000039	6	Washer 16-200HV-ZnD GB/T 97.1

1.4 FR REDUCER INSTALLATION



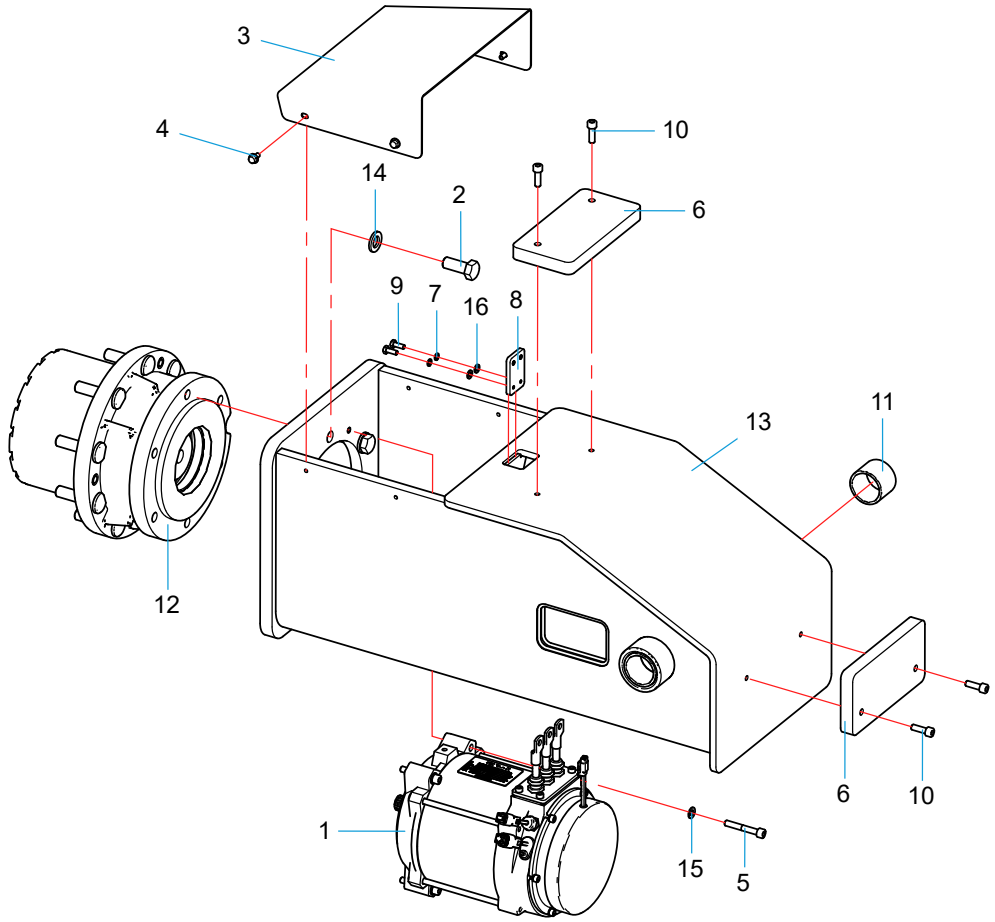
No.	Part No.	Qty.	Description
1	203010003029	1	Travel motor
2	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
3	215010000111	6	Bolt M16×40-10.9-DKL GB/T 5783
4	215020000261	4	Screw M5×12-8.8 GB/T 70.3
5	216030000008	2	Thrust washer
6	214030000046	2	Self-lubricating bushing
7	214030000035	2	Self-lubricating bearing
8	215030000027	2	Nut M10-8-ZnD GB/T 6184
9	115008030061	1	Connection disc, steer (R)
10	102001030037	1	Guard plate (R)
11	215040000039	6	Washer 16-200HV-ZnD GB/T 97.1
12	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
13	215010000071	2	Bolt M10×30-8.8-ZnD GB/T 5783
14	115008030072	1	Cover, protection
15	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
16	204020003074	1	Travel reducer
16a	204020003075	1	Seal kit, Drive reducer

1.5 STEER LINKAGE



No.	Part No.	Qty.	Description
1	215030000076	1	Nut M24×2-8-ZnD GB/T6173
2	102001030028	1	Connecting rod
3	215030000077	1	Nut M24×2-LH-8 GB/T6173
4	102004033036	1	Head, mounting
5	102004033032	1	Head, mounting

1.6 REAR AXLE INSTALLATION



No.	Part No.	Qty.	Description
1	203010003028	1	Travel motor
2	215010000111	6	Bolt M16×40-10.9-DKL GB/T 5783
3	115006033694	1	Folded plate
4	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
5	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
6	102015033012	2	Pad
7	215040000004	2	Washer 6-A2-70 GB/T 93
8	102001030252	1	Plate
9	215010000050	2	Bolt M6×16-A2-70 GB/T 5783
10	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
11	214030000092	2	Self-lubricating bearing 45×53×40
12	204020003074	1	Travel reducer
12a	204020003075	1	Seal kit, Drive reducer
13	115006033649	1	Rear outrigger
14	215040000039	6	Washer 16-200HV-ZnD GB/T 97.1
15	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
16	215040000033	2	Washer 6-A2 GB/T 97.1

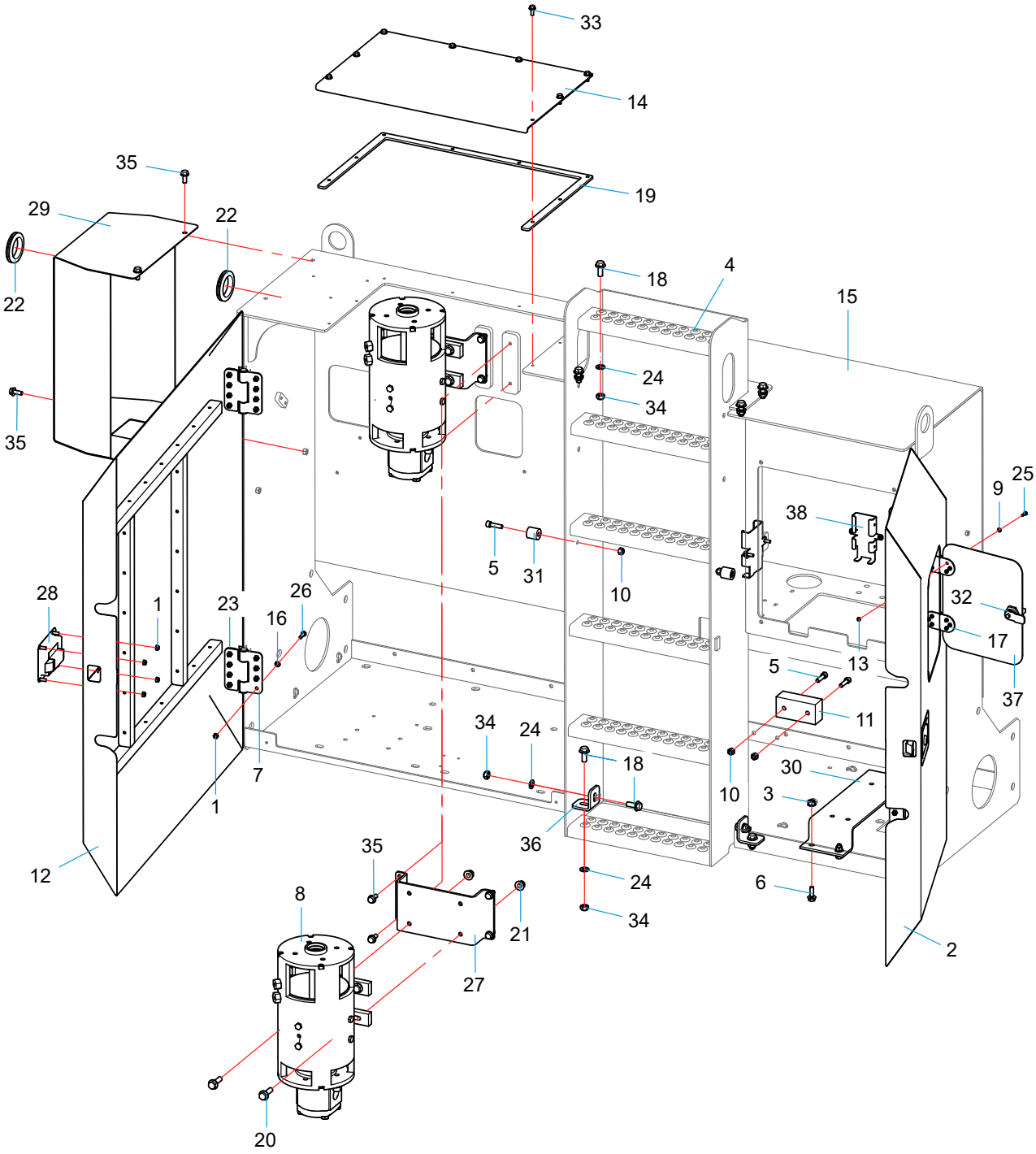
1.7 LEFT TIRE ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	104009030020	1	Tire, solid, left(33×12-20)
2	104021030010	1	Left tire and wheel assembly, non-marking(33×12-20)
3	104021033018	1	Left tire and wheel assembly, non-marking, foam filled(315/55D20)
4	104020030004	1	Tire assembly, foam-filled, left(315/55D20)

1.8 RIGHT TIRE ASSEMBLY OPTIONS

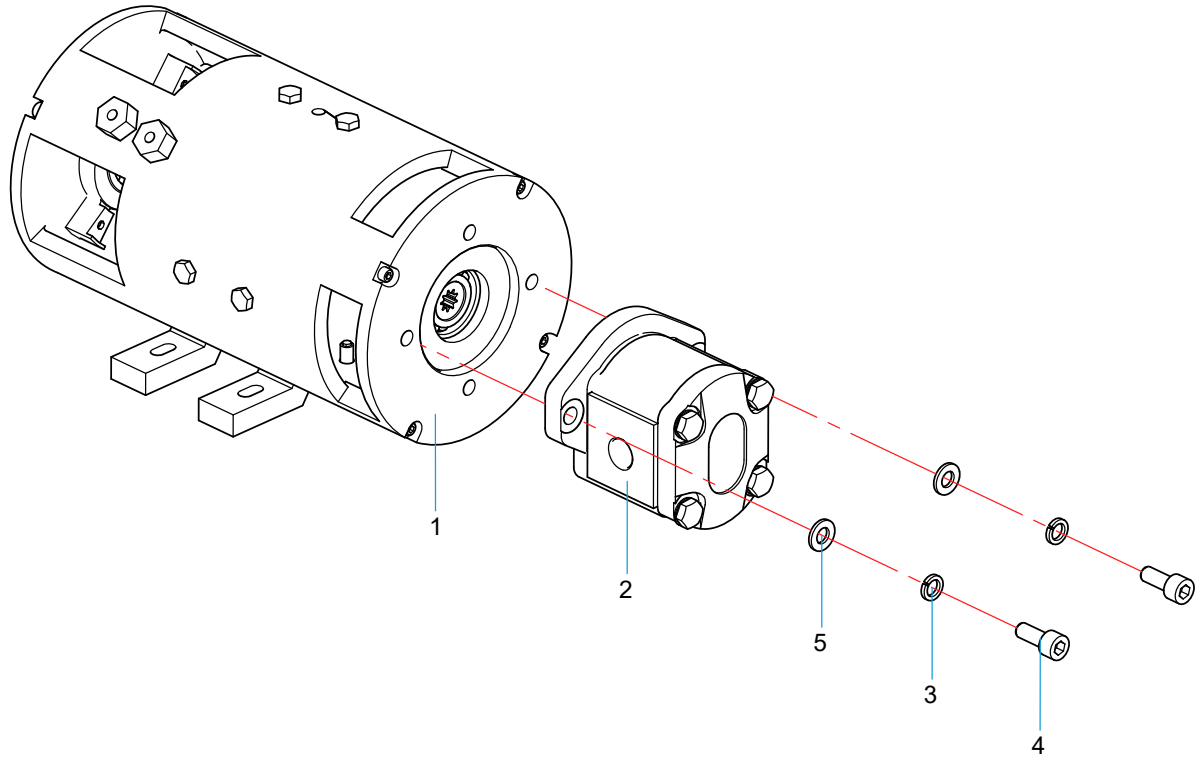
No.	Part No.	Qty.	Description
1	104021030011	1	Right tire and wheel assembly, non-marking(33×12-20)
2	104021033020	1	Right tire and wheel assembly, non-marking, foam filled(315/55D20)
3	104020030003	1	Tire assembly, foam-filled, right(315/55D20)
4	104009030013	1	Tire, solid, right(33×12-20)

1.9 LEFT DOOR ASSEMBLY



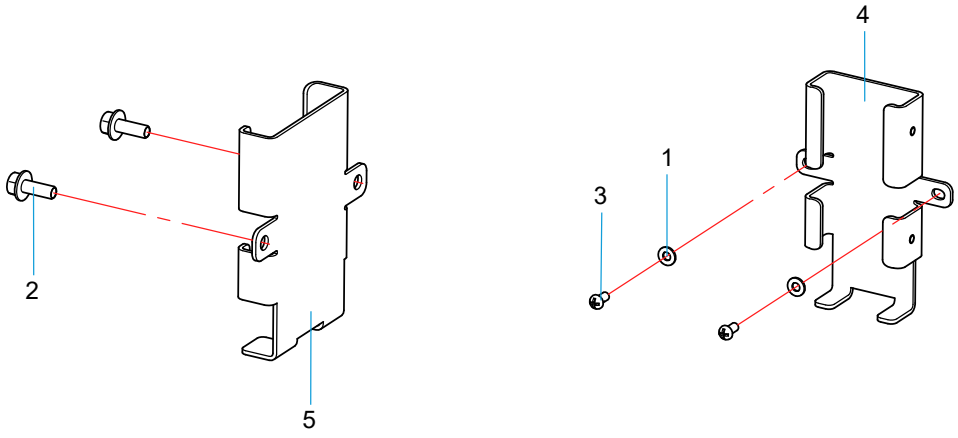
No.	Part No.	Qty.	Description
1	215030000025	40	Nut M6-8-A2-70 GB/T 889.1
2	115008030011	1	Door
3	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
4	115006033922	1	Ladder
5	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
6	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
7	209050000009	4	Hinge
8	115006033015	2	Power unit(See details)
9	215040000031	12	Washer 4-A2 GB/T 97.1
10	215030000026	4	Nut M8-8-ZnD GB/T889.1
11	102001030214	1	Pad
12	115008030017	1	Door
13	215030000002	12	Nut M4-8-A2-70 GB/T 6170
14	115008030068	1	Plate
15	115008030018	1	Weldment, chassis box
16	215040000033	32	Washer 6-A2 GB/T 97.1
17	209050000005	2	Hinge
18	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
19	115008030069	1	Rubber Washer, seal
20	215010000268	8	Bolt M10×35-10.9-DKL GB/T 5789
21	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
22	115003033336	2	Rubber grommet
23	102015034018	4	Plate
24	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
25	215010000039	12	Bolt M4×12-A2-70 GB/T 5783
26	215010000051	32	Bolt M6×20-A2-70 GB/T 5783
27	115003033119	2	Mounting plate, motor
28	209050000034	2	Panel lock MS866-27-2
29	115006033005	1	Charger cover
30	115006033030	1	Bracket
31	102001030085	2	Pad
32	209050000011	1	Lock
33	215010000230	8	Bolt M6×16-8.8-ZnD GB/T 5789
34	215030000027	8	Nut M10-8-ZnD GB/T 6184
35	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
36	102015034003	2	Plate, folded
37	102015033052	1	Plate
38	115008030086		INST, Track unit bracket(See details)

1.10 POWER UNIT (PN.115006033015)



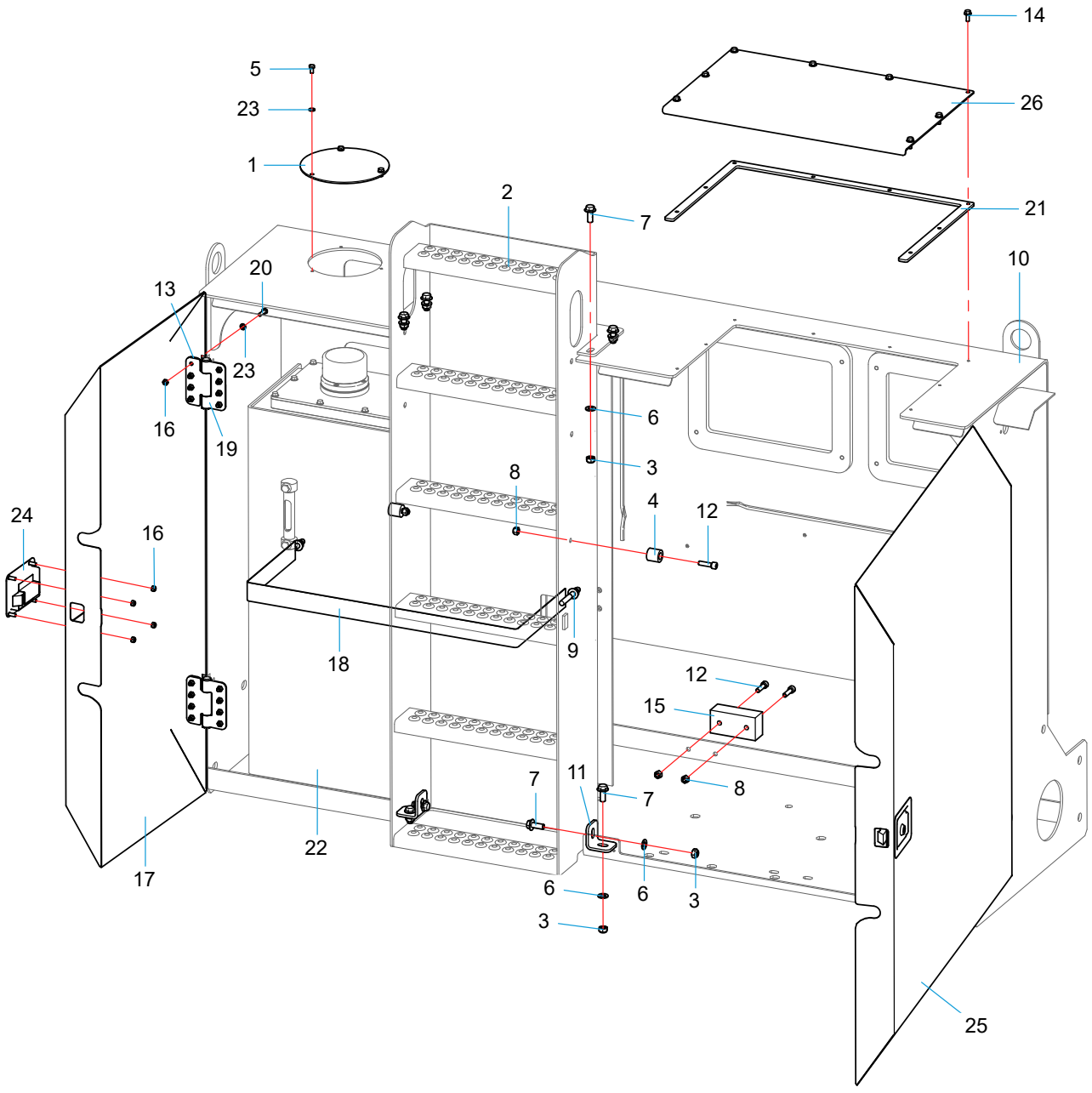
No.	Part No.	Qty.	Description
1	203010003021	1	Motor
2	202010003037	1	Gear pump
2a	207990003011	1	Seal kit, gear pump
3	215040000006	2	Washer 10-ZnD GB/T 93
4	215080000001	2	Hexagon socket head cap screw 3/8-24UNF-1-GR8-DKL ASME B18.3
5	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1

1.11 TRACK UNIT SUPPORT INSTALLATION



No.	Part No.	Qty.	Description
1	215040000031	2	Washer 4-A2 GB/T 97.1
2	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789
3	215020000103	2	Screw M4×8-A2-70 GB/T 818
4	101054033107	1	Plate, folded
5	102013033348	1	Plate, folded

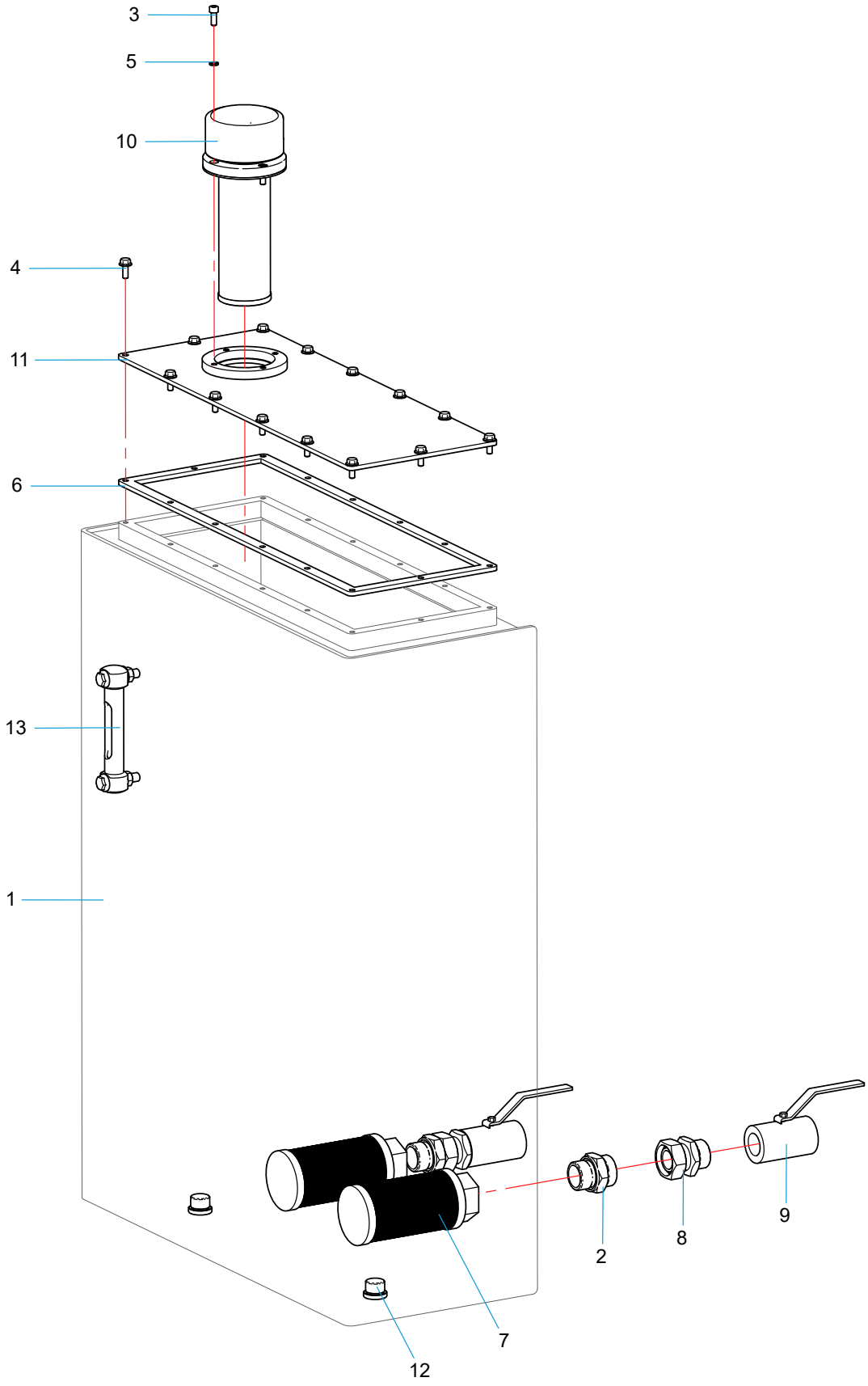
1.12 RIGHT DOOR ASSEMBLY



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No.	Part No.	Qty.	Description
1	102001030208	1	Cover
2	115006033922	1	Ladder
3	215030000027	8	Nut M10-8-ZnD GB/T 6184
4	102001030085	2	Pad
5	215010000049	3	Bolt M6×12-A2-70 GB/T 5783
6	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
7	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
8	215030000026	4	Nut M8-8-ZnD GB/T889.1
9	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
10	115008030020	1	Box
11	102015034003	2	Plate, folded
12	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
13	102015034018	4	Plate
14	215010000230	8	Bolt M6×16-8.8-ZnD GB/T 5789
15	102001030214	1	Pad
16	215030000025	40	Nut M6-8-A2-70 GB/T 889.1
17	115008030016	1	Door
18	115006033603	1	Clamp, hydraulic tank
19	209050000009	4	Hinge
20	215010000051	32	Bolt M6×20-A2-70 GB/T 5783
21	115008030069	1	Rubber Washer, seal
22	115006053016	1	Hydraulic tank(See details)
23	215040000033	35	Washer 6-A2 GB/T 97.1
24	209050000034	2	Panel lock MS866-27-2
25	115008030017	1	Door
26	115008030068	1	Plate

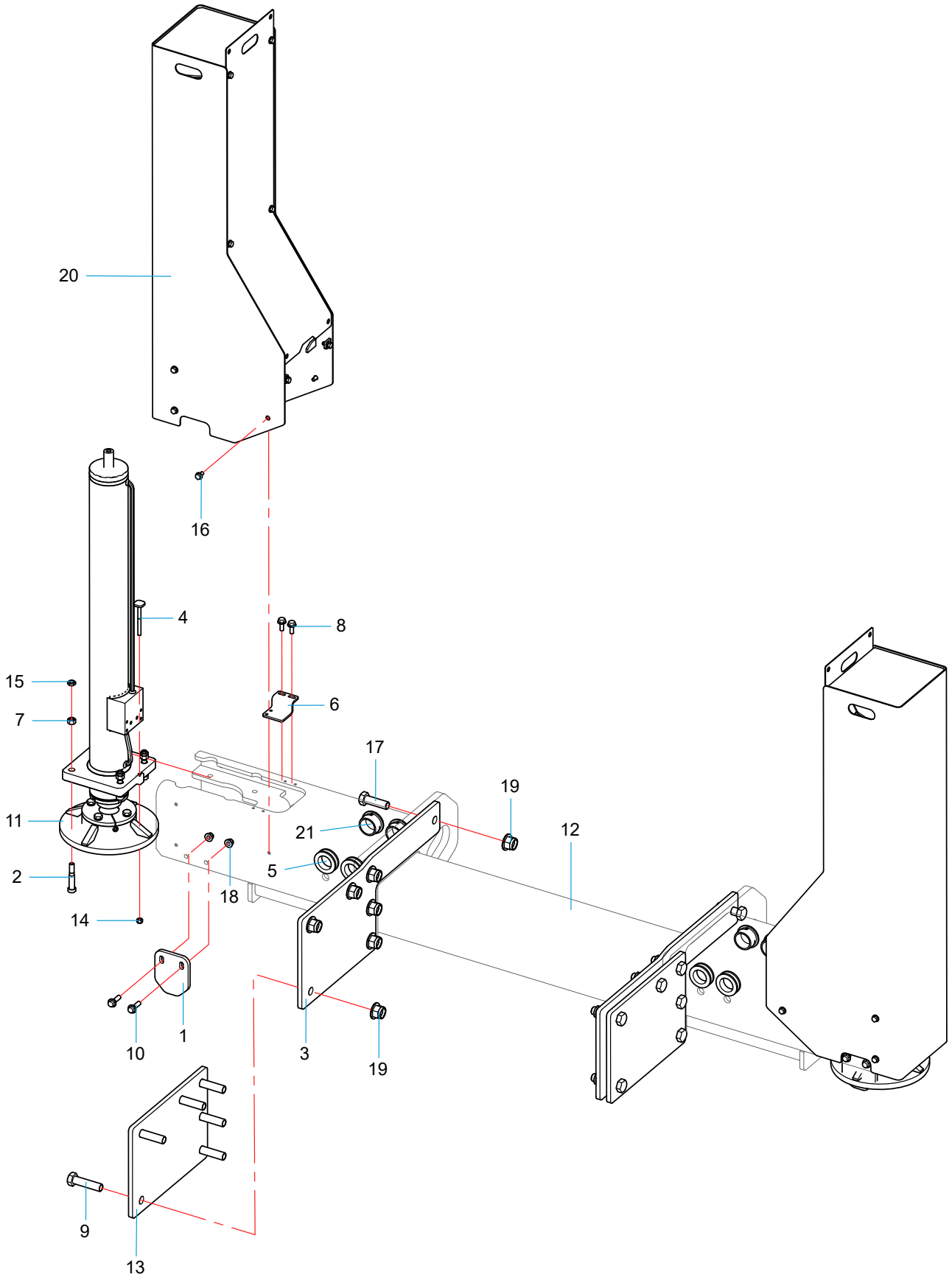
1.13 HYDRAULIC TANK (PN.115006053016)



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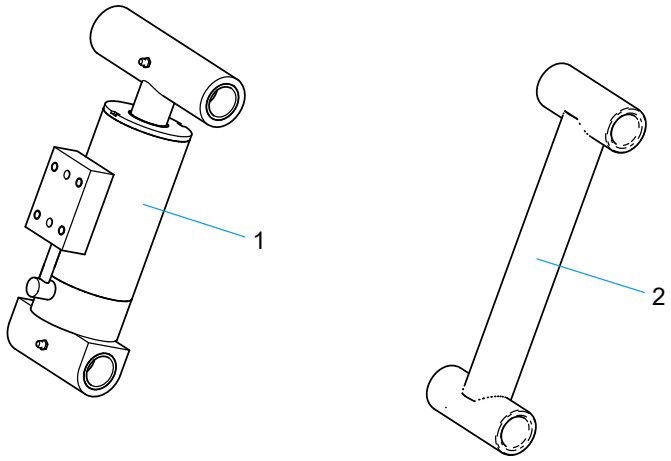
No.	Part No.	Qty.	Description
1	115006053011	1	Hydraulic tank body
2	213010000148	2	Coupler
3	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
4	215010000230	14	Bolt M6×16-8.8-ZnD GB/T 5789
5	215040000004	4	Washer 6-A2-70 GB/T 93
6	115006053015	1	Seal, rubber
7	202080000006	2	Suction filter
8	213010000149	2	Coupler
9	202040000142	2	Ball valve
10	202070003014	1	Air filter
10a	202070003015	1	Filter element
11	115006053009	1	Cover plate assembly, oil tank
12	213060000004	2	Plug
13	202120000005	1	Level gauge

1.14 OUTRIGGER INSTALLATION



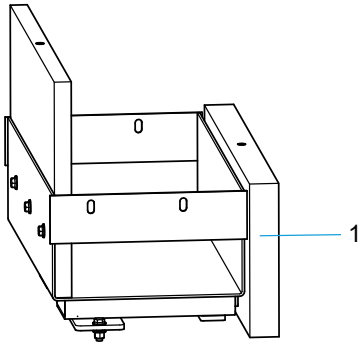
No.	Part No.	Qty.	Description
1	102015033130	2	Plate
2	102001030046	8	Screw, self-build
3	102015033032	2	Connecting plate
4	102001030200	2	Rod, detection
5	102004030245	4	Rubber grommet
6	102001030248	2	Folded plate
7	215030000008	8	Nut M12-8-ZnD GB/T 6170
8	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
9	215010000203	12	Bolt M20×80-10.9-DKL GB/T 5783
10	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
11	102001050001	2	Outrigger cylinder(D)
11a	207990004158	1	Seal kit, cylinder
12	102015033030	1	Weldment, front outrigger[G]
13	102015033034	2	Connecting plate
14	215030000026	2	Nut M8-8-ZnD GB/T889.1
15	215030000018	8	Nut M12-04-ZnD GB/T 6172.1
16	215010000286	12	Bolt M8×16-8.8-ZnD GB/T 5789
17	215010000131	2	Bolt M20×65-10.9-DKL GB/T 5783
18	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
19	215030000117	14	Nut M20-8-ZnD GB/T 6183.1
20	102015033033	2	Guard, outrigger
21	101040033005	4	Plug

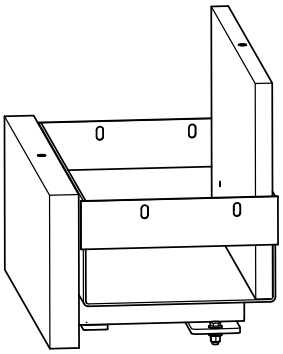
1.15 OSCILLATE CYLINDER OPTIONS

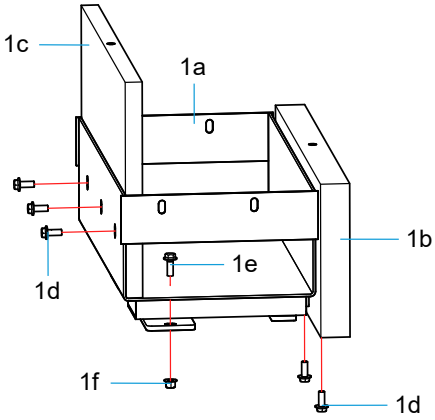


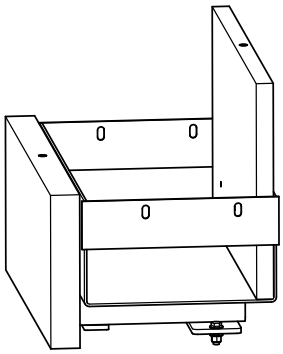
No.	Part No.	Qty.	Description
1	102001050005	1	Oscillate cylinder(B, equipped with oscillating function)
1a-1	207990003476	1	Seal kit, cylinder(SC: 1000148)
1a-2	207990003546	1	Seal kit, cylinder(SC: 1000026)
2	102001030148	1	Support bar(Not equipped with oscillating function)

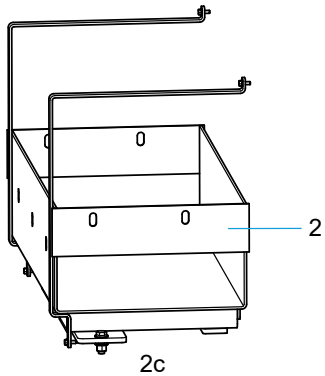
1.16 BATTERIES INSTALLATION OPTIONS

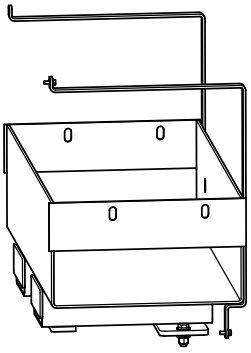


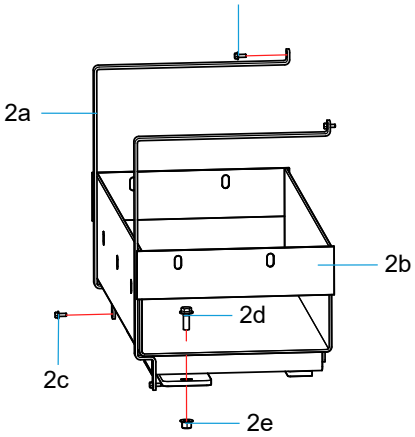


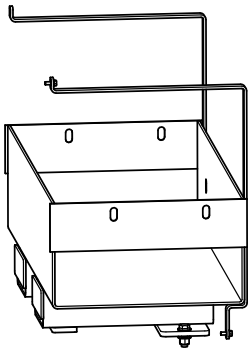






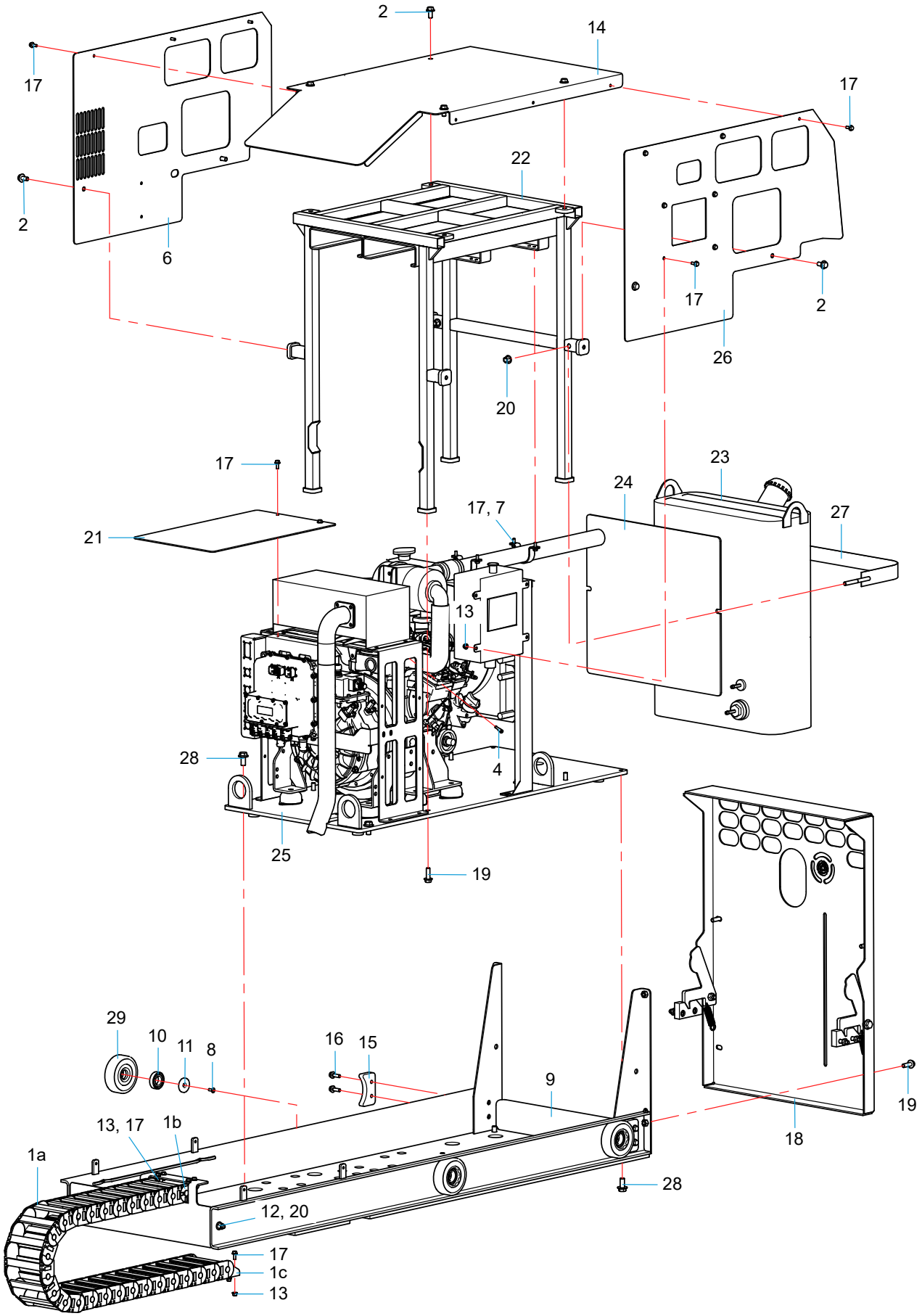






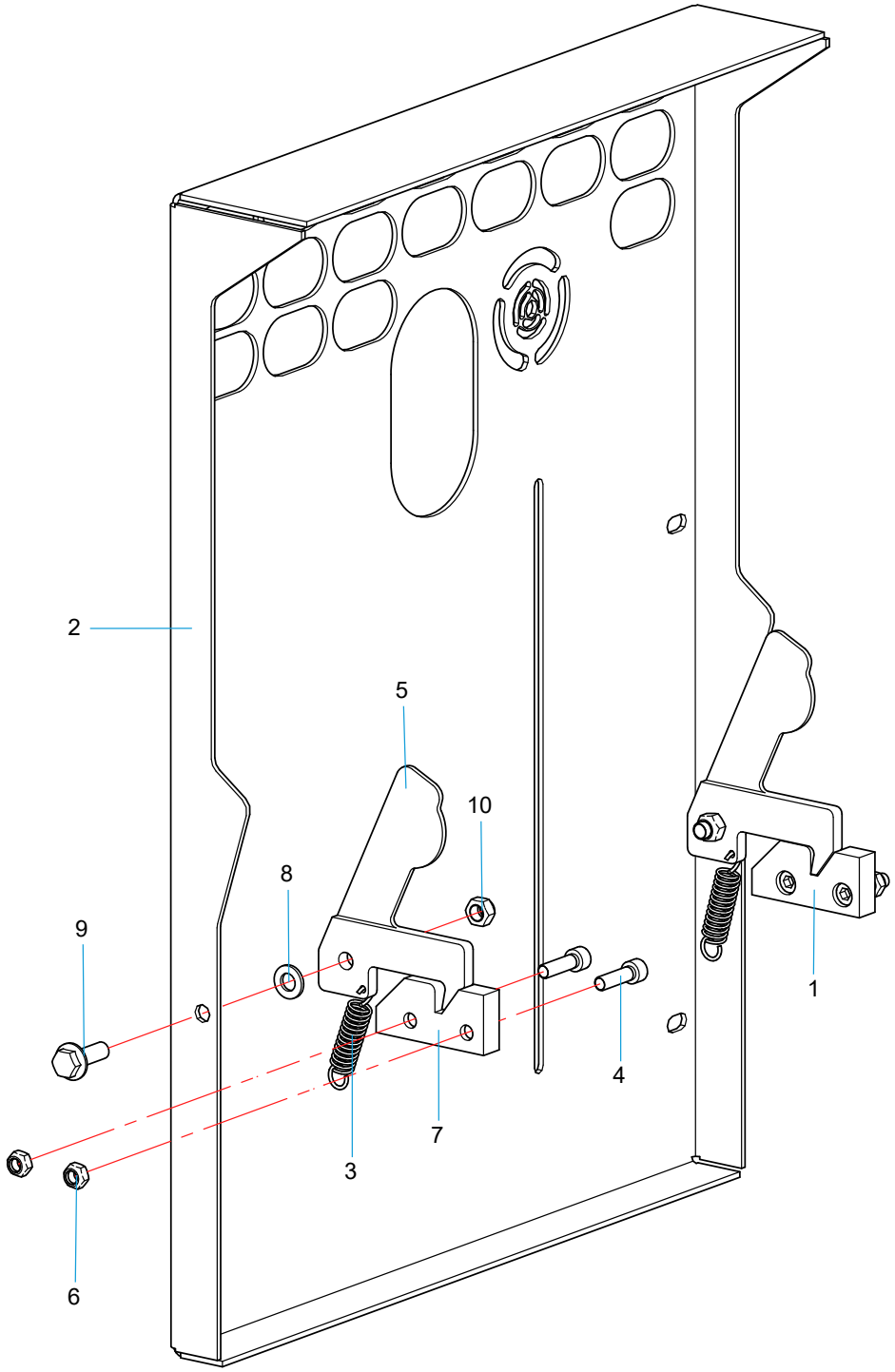
No.	Part No.	Qty.	Description
1	115008030066		Lithium battery communition
1a	115008030041	2	Battery box
1b	115008030047	2	Counterweight
1c	115008030048	2	Counterweight
1d	215010000243	10	Bolt M12×30-8.8-ZnD GB/T 5789
1e	215010000270	8	Bolt M12×35-10.9-DKL GB/T 5789
1f	215030000110	8	Nut M12-8-ZnD GB/T 6183
2	115008030065		Lead Acid Batteries Installation
2a	115006033615	4	Channel plate
2b	115008030041	2	Battery box
2c	215010000230	7	Bolt M6×16-8.8-ZnD GB/T 5789
2d	215010000270	8	Bolt M12×35-10.9-DKL GB/T 5789
2e	215030000110	8	Nut M12-8-ZnD GB/T 6183

1.17 CHARGING PACKAGE INSTALLATION



No.	Part No.	Qty.	Description
1	204190003459	1	Drag chain and joint
1a	204190000058	26	Chain link
1b	204190000061	1	Mobile end joint
1c	204190000063	1	Fixed end joint
2	215010000237	8	Bolt M10×20-8.8-ZnD GB/T 5789
3	201030000003	1	Heat insulating cotton(Not shown)
4	102004030225	1	Reducing coupler
5	115008100015	1	Decal-charger unit removing steps(Not shown)
6	115006033963	1	Plate, side (R)
7	115006033946	2	Clamp
8	215020000236	4	Screw M6×16-A2-70 GB/T 70.3
9	115006033961	1	Tray
10	214010000005	4	Bearing 6005-2Z GB/T 276
11	102001030146	4	Pad
12	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
13	215030000107	12	Nut M6-8-ZnD GB/T 6183.1
14	115006034030	1	Weldment, cover
15	102013033299	2	Stop block
16	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
17	215010000230	24	Bolt M6×16-8.8-ZnD GB/T 5789
18	115006033965		INST, engine cover(See details)
19	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
20	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
21	115008030073	1	Plate, waterproof
22	115006033945	1	Bracket
23	115006033928	1	Fuel tank
24	115006034026	1	Plate, heat-resistant
25	201010003125	1	Range extender unit(See details)
26	115006033964	1	Plate, side (L)
27	115006033948	1	Clamp, fuel tank
28	215010000242	6	Bolt M12×25-8.8-ZnD GB/T 5789
29	102001030145	4	Roller

1.18 ENGINE COVER INSTALLATION



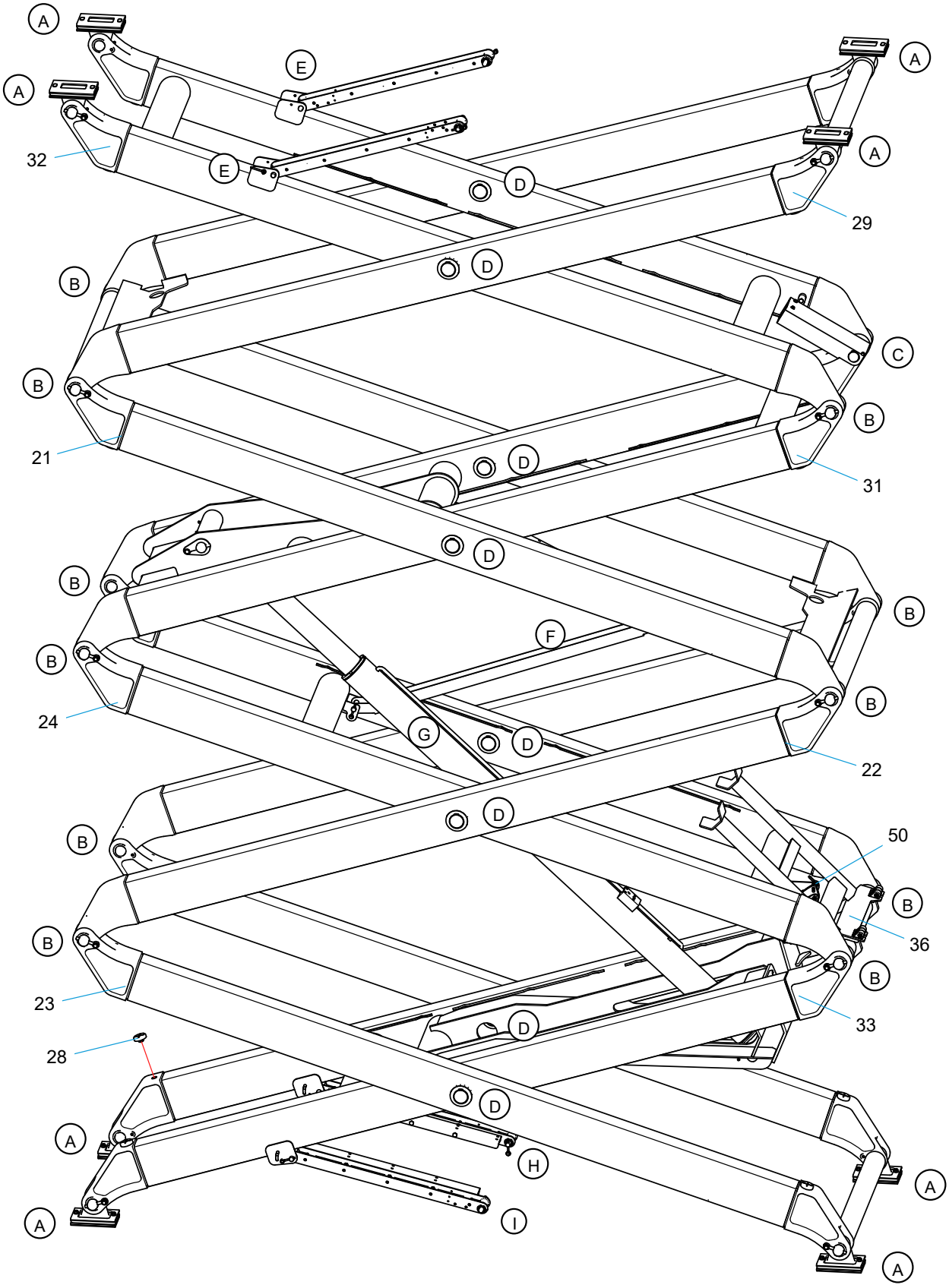
No.	Part No.	Qty.	Description
1	102015034038	1	Nylon block
2	115006033953	1	Plate, cover
3	210070000004	2	Spring
4	215020000051	4	Screw M10×35-8.8-ZnD GB/T 70.1
5	102001030170	2	Plate
6	215030000027	4	Nut M10-8-ZnD GB/T 6184
7	102015034037	1	Nylon block
8	215040000037	2	Washer 12-200HV-ZnD GB/T 97.1
9	215010000270	2	Bolt M12×35-10.9-DKL GB/T 5789
10	215030000029	2	Nut M12-8-ZnD GB/T 6184

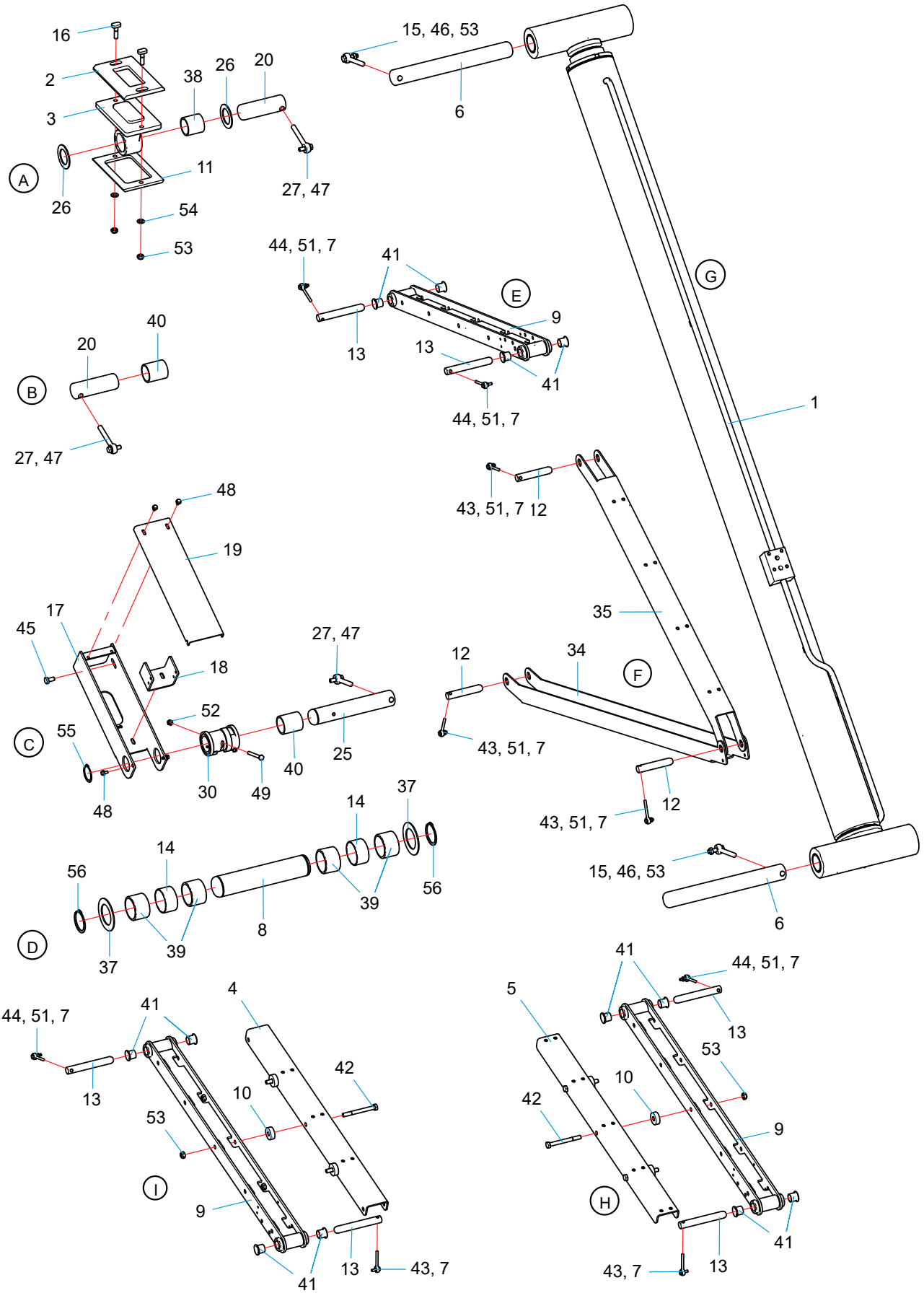
1.19 RANGE EXTENDER UNIT (PN.201010003125)

No.	Part No.	Qty.	Description
1	201030003032	1	Seal washer, Yanmar silencer
2	201040003075	1	Radiator
3	201051063060	1	Electric feed pump
4	201051063058	1	Fuel-water separator
5	201020003103	1	Air filter
6	201040003076	1	Hot water circulating pump
7	201040003077	1	Fan
8	203020003227	1	Generator controller
9	201051063059	1	Diesel fine filter
10	201010003130	1	Kubota engine
11	203010003128	1	Generator
12	201030003031	1	Silencer

2 SCISSOR ASSEMBLY

2.1 SCISSOR INSTALLATION-1323



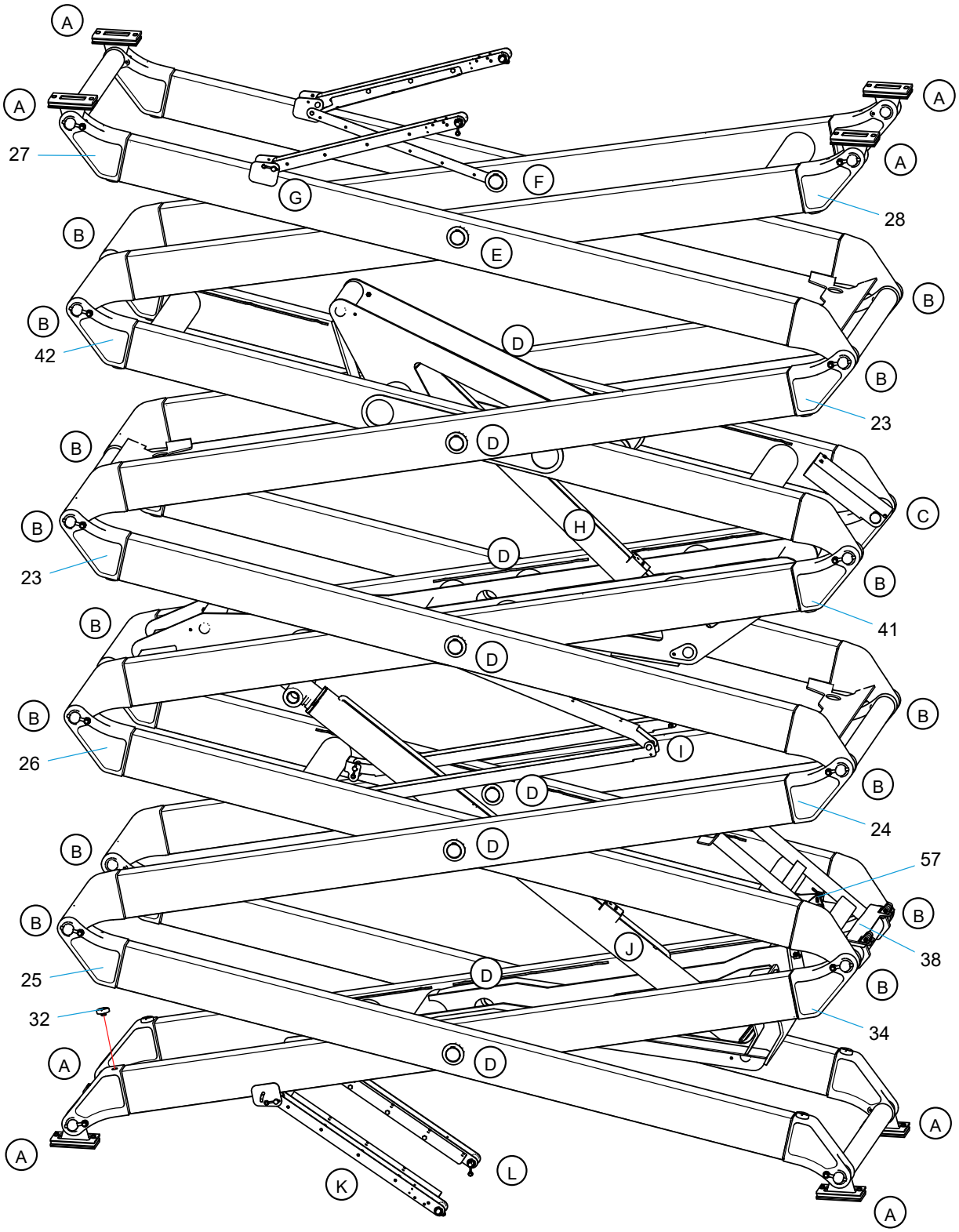

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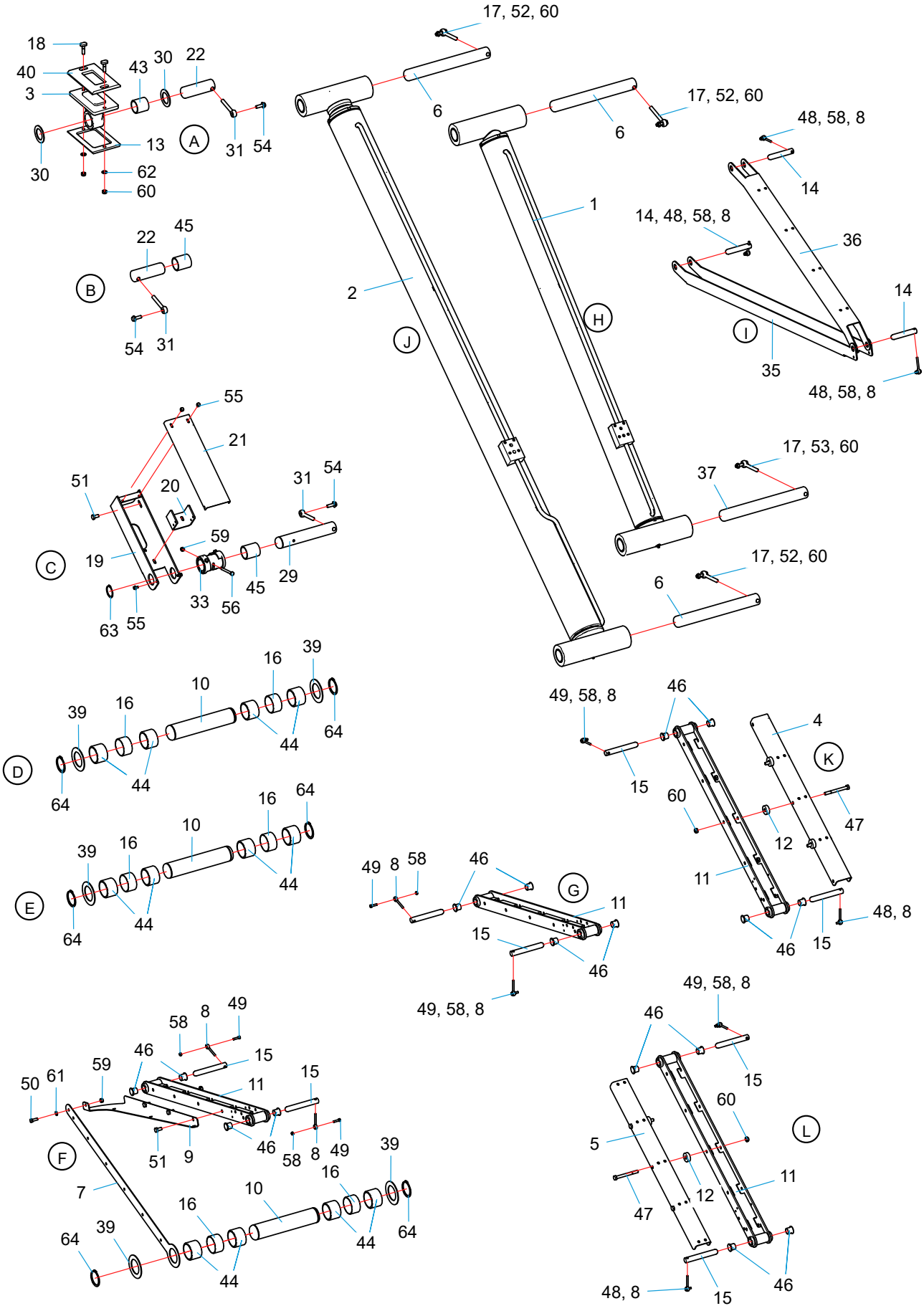
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No.	Part No.	Qty.	Description
1	102015053044	1	Lower lift cylinder(A)
1a	207990003510	1	Seal kit, cylinder
2	102001010010	8	Wear pad
3	102001010013	8	Bracket [G]
4	102001010023	1	Folded plate
5	102001010030	1	Folded plate
6	102001010035	2	Pin XGΦ45-375[Z]
7	102001010048	11	Keeper pin Φ6-60
8	102001010055	8	Pin XGΦ57-291[Z]
9	102001010057	4	Guide rod
10	102001010065	6	Pad
11	102001010073	8	Wear pad
12	102001010077	3	Pin XGΦ20-110[Z]
13	102001010079	8	Pin XGΦ20-146[Z]
14	102001010087	16	Sleeve
15	102001010090	2	Keeper pin Φ12-105
16	102001010099	16	Cotter pin
17	102001010104	1	Mount
18	102001010107	1	Plate, folded
19	102001010109	1	Cover
20	102001013295	19	Pin XGΦ45-135[Z]
21	102001013312	1	Outer arm 3 [G]
22	102001013313	1	Outer arm 2 [G]
23	102001013314	1	Outer arm 1[G]
24	102001013315	1	Inner arm 2 [G]
25	102001013326	1	Pin XGΦ45-260[Z]
26	102001013327	16	Shim
27	102004010082	20	Keeper pin Φ12-90
28	102006013001	12	Block
29	102006013025	1	Outer arm 4[G]
30	102013013026		Detection axle sleeve(See details)
31	102014010001	1	Inner arm3[G]
32	102014010006	1	Inner arm4[G]
33	102015013002	1	Arm, inner I [G]
34	102015013006	1	Cable rod
35	102015013008	1	Wire rod
36	102015013030		Support rod installation(See details)
37	102001010009	16	Crommet

No.	Part No.	Qty.	Description
38	214030000027	8	Self-lubricating bushing 45×53×50
39	214030000048	32	Self-lubricating bushing 60×70×45
40	214030000049	12	Self lubricating-bearing
41	214080000001	16	Bearing 20×23×21.5 SF-1F
42	215010000014	6	Bolt M10×100-8.8-ZnD GB/T 5782
43	215010000051	5	Bolt M6×20-A2-70 GB/T 5783
44	215010000052	6	Bolt M6×25-A2-70 GB/T 5783
45	215010000068	1	Bolt M10×20-8.8-ZnD GB/T 5783
46	215010000075	2	Bolt M10×40-8.8-ZnD GB/T 5783
47	215010000239	20	Bolt M10×30-8.8-ZnD GB/T 5789
48	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
49	215010000323	1	Bolt M8×80-8.8-ZnD GB/T 5783
50	215030000019	1	Nut M16-04-ZnD GB/T 6172.1
51	215030000025	9	Nut M6-8-A2-70 GB/T 889.1
52	215030000026	1	Nut M8-8-ZnD GB/T889.1
53	215030000027	24	Nut M10-8-ZnD GB/T 6184
54	215040000035	16	Washer 10-200HV-ZnD GB/T 97.1
55	215040000088	1	Retaining ring 45-DKL GB/T 894.1
56	215040000100	16	Ring, retaining 60-DKL JB/ZQ 4342

2.2 SCISSOR INSTALLATION-1623

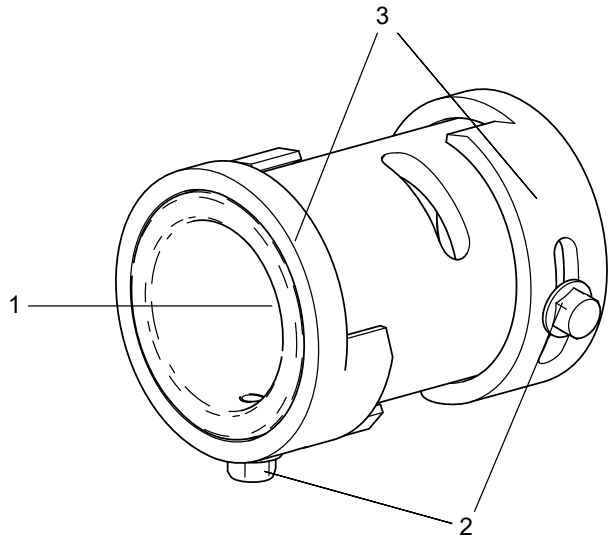



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No.	Part No.	Qty.	Description
1	102015053041	1	Upper lift cylinder
1a	207990003509	1	Seal kit, cylinder
2	102015053044	1	Lower lift cylinder
2a	207990003510	1	Seal kit, cylinder
3	102001010013	8	Bracket [G]
4	102001010023	1	Folded plate
5	102001010030	1	Folded plate
6	102001010035	3	Pin XGΦ45-375[Z]
7	102001010046	1	Lead bar
8	102001010048	14	Keeper pin Φ6-60
9	102001010054	1	Folded plate
10	102001010055	10	Pin XGΦ57-291[Z]
11	102001010057	4	Guide rod
12	102001010065	6	Pad
13	102001010073	8	Wear pad
14	102001010077	6	Pin XGΦ20-110[Z]
15	102001010079	8	Pin XGΦ20-146[Z]
16	102001010087	20	Sleeve
17	102001010090	4	Keeper pin Φ12-105
18	102001010099	16	Cotter pin
19	102001010104	1	Mount
20	102001010107	1	Plate, folded
21	102001010109	1	Cover
22	102001013295	23	Pin XGΦ45-135[Z]
23	102001013312	2	Outer arm 3 [G]
24	102001013313	1	Outer arm 2 [G]
25	102001013314	1	Outer arm 1[G]
26	102001013315	1	Inner arm 2 [G]
27	102001013318	1	Outer arm 5[G]
28	102001013319	1	Inner arm 5[G]
29	102001013326	1	Pin XGΦ45-260[Z]
30	102001013327	16	Shim
31	102004010082	24	Keeper pin Φ12-90
32	102006013001	16	Block
33	102013013026		Detection axle sleeve(See details)
34	102015013002	1	Arm, inner I [G]
35	102015013006	2	Cable rod
36	102015013008	2	Wire rod

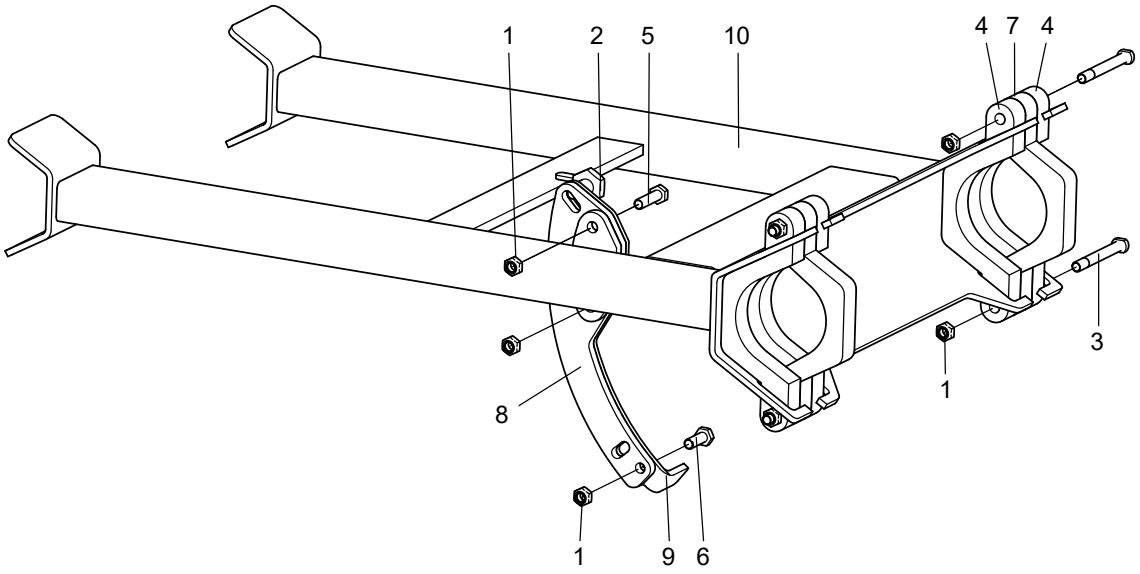
No.	Part No.	Qty.	Description
37	102015013023	1	Pin XGΦ45-385[Z]
38	102015013030		Support rod installation(See details)
39	102001010009	19	Crommet
40	102001010010	8	Wear pad
41	102015053053	1	Inner arm 3[G]
42	102015053056	1	Arm, Inner IV [G]
43	214030000027	8	Self-lubricating bushing 45×53×50
44	214030000048	40	Self-lubricating bushing 60×70×45
45	214030000049	16	Self lubricating-bearing
46	214080000001	16	Bearing 20×23×21.5 SF-1F
47	215010000014	6	Bolt M10×100-8.8-ZnD GB/T 5782
48	215010000051	8	Bolt M6×20-A2-70 GB/T 5783
49	215010000052	6	Bolt M6×25-A2-70 GB/T 5783
50	215010000058	1	Bolt M8×25-8.8-ZnD GB/T 5783
51	215010000068	4	Bolt M10×20-8.8-ZnD GB/T 5783
52	215010000075	3	Bolt M10×40-8.8-ZnD GB/T 5783
53	215010000077	1	Bolt M10×45-8.8-ZnD GB/T 5783
54	215010000239	24	Bolt M10×30-8.8-ZnD GB/T 5789
55	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
56	215010000323	1	Bolt M8×80-8.8-ZnD GB/T 5783
57	215030000019	1	Nut M16-04-ZnD GB/T 6172.1
58	215030000025	12	Nut M6-8-A2-70 GB/T 889.1
59	215030000026	2	Nut M8-8-ZnD GB/T889.1
60	215030000027	29	Nut M10-8-ZnD GB/T 6184
61	215040000034	1	Washer 8-200HV-ZnD GB/T 97.1
62	215040000035	16	Washer 10-200HV-ZnD GB/T 97.1
63	215040000088	1	Retaining ring 45-DKL GB/T 894.1
64	215040000100	20	Ring, retaining 60-DKL JB/ZQ 4342

2.3 DETECTION AXLE SLEEVE



No.	Part No.	Qty.	Description
1	102013013023	1	Shaft sleeve weldment
2	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
3	102013013025	2	Test circular plate

2.4 SUPPORT ROD INSTALLATION

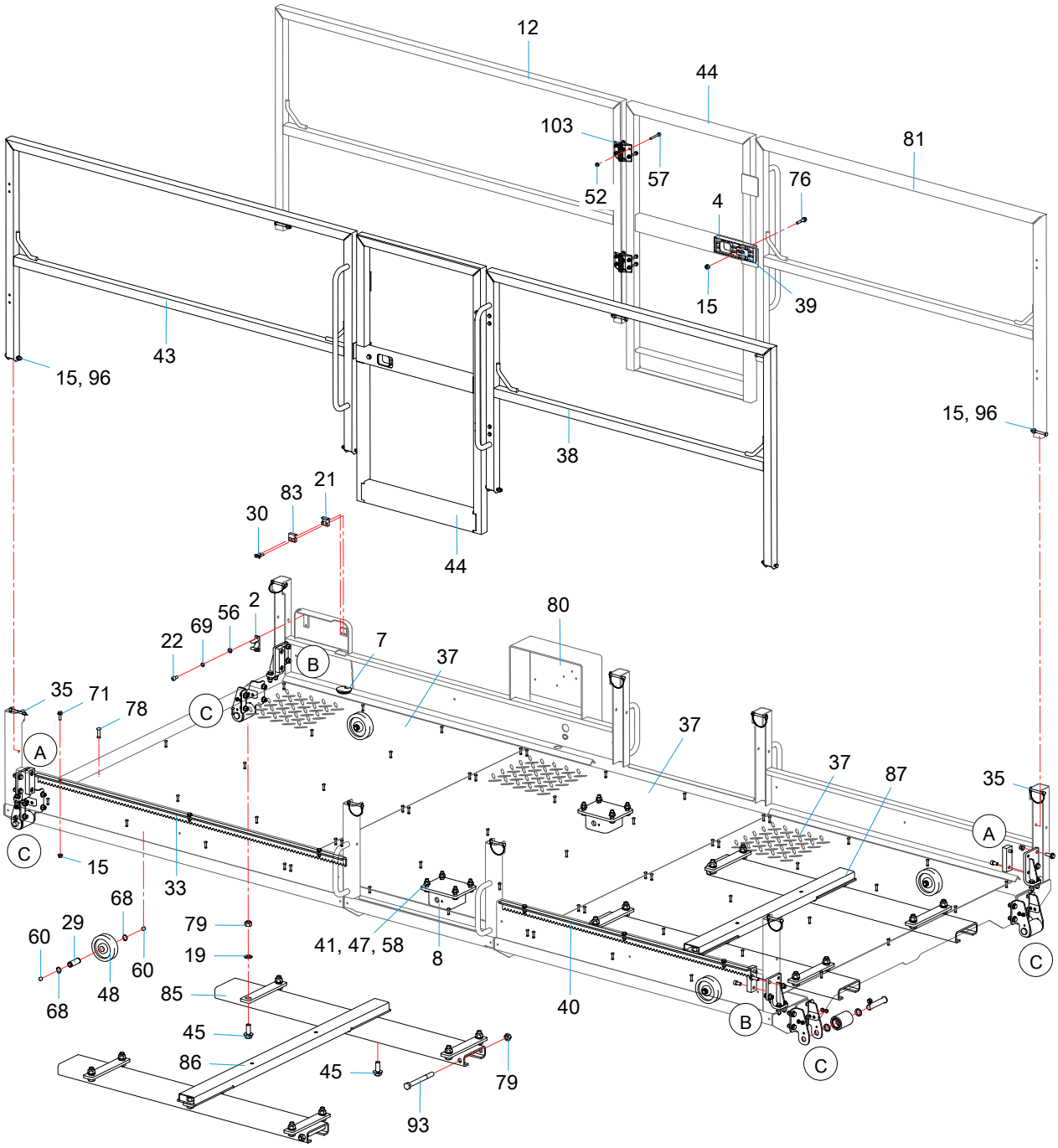


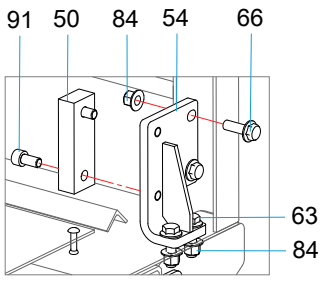
No.	Part No.	Qty.	Description
1	215030000027	7	Nut M10-8-ZnD GB/T 6184
2	209020003030	1	Pin
3	101032040060	4	Plain rod
4	102001010021	4	Nylon sleeve
5	215010000075	2	Bolt M10×40-8.8-ZnD GB/T 5783
6	215010000071	1	Bolt M10×30-8.8-ZnD GB/T 5783
7	102001010102	2	Nylon sleeve
8	102001010072	1	Folded plate
9	102001010028	1	Folded plate
10	102015013026	1	Support rod

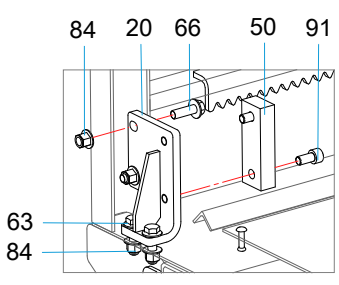
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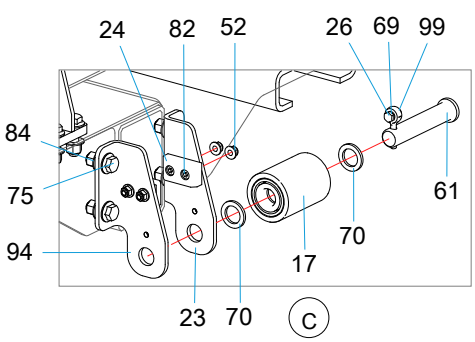
3 PLATFORM ASSEMBLY

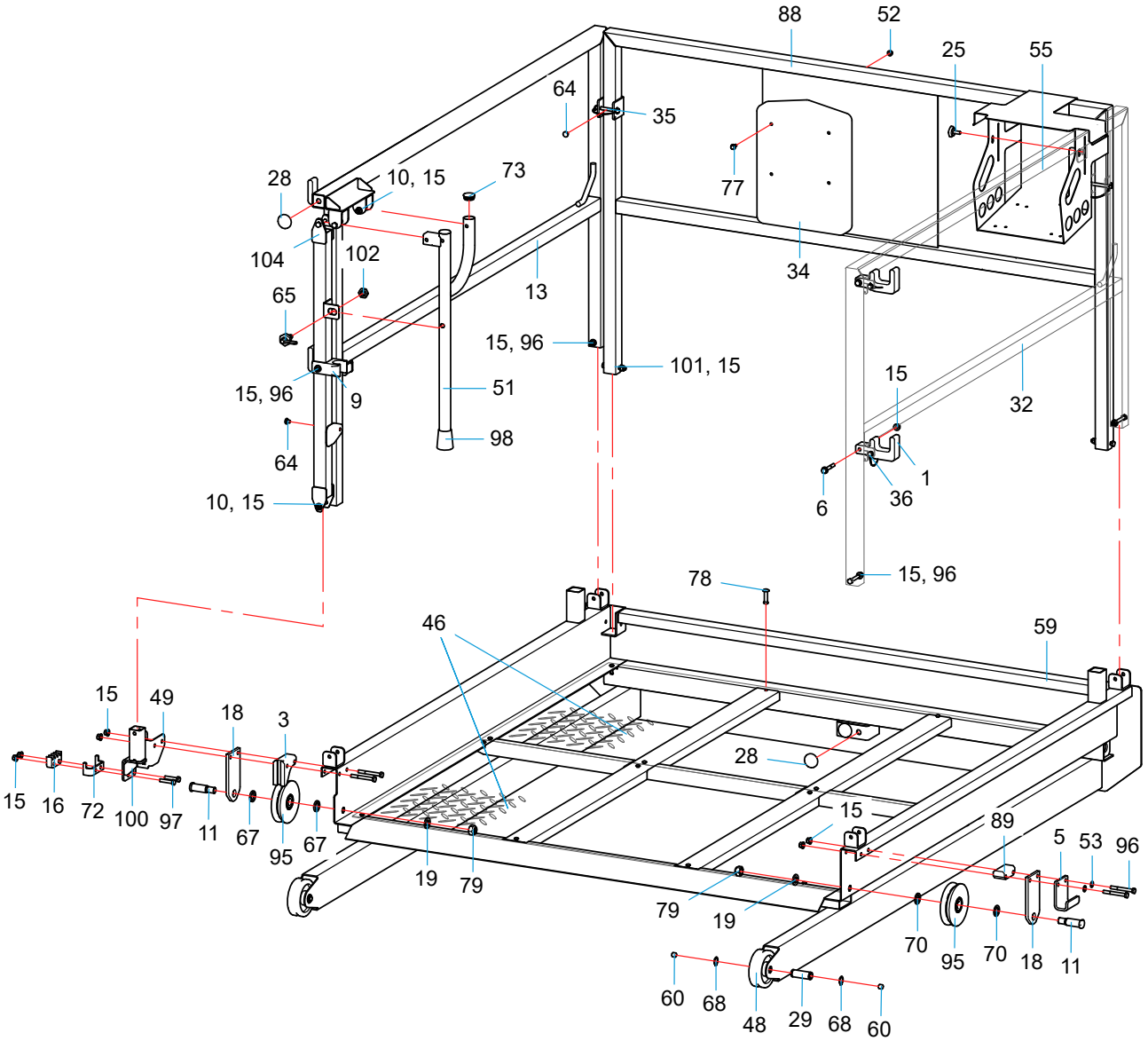
3.1 PLATFORM ASSEMBLY-6.5M

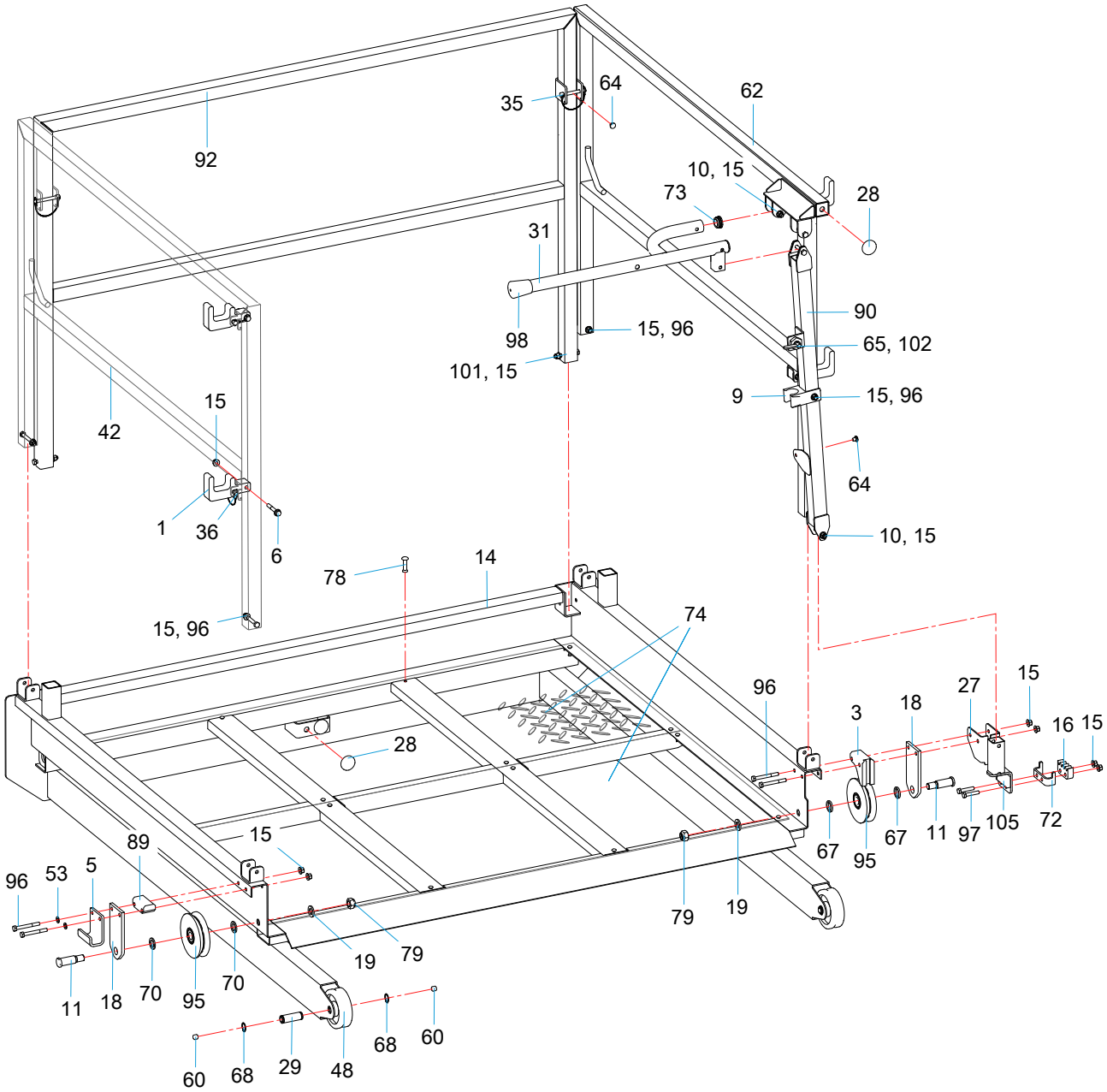









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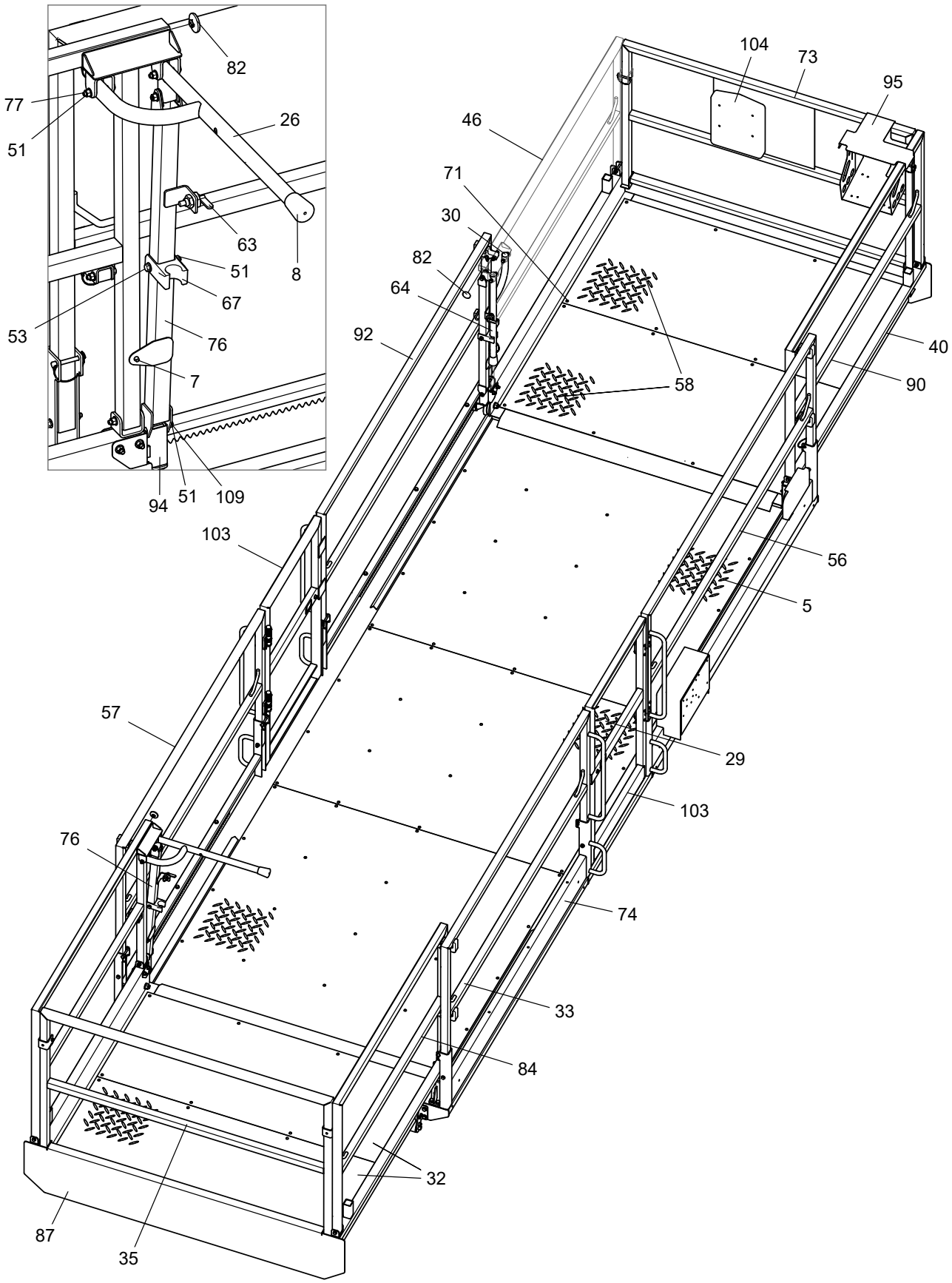

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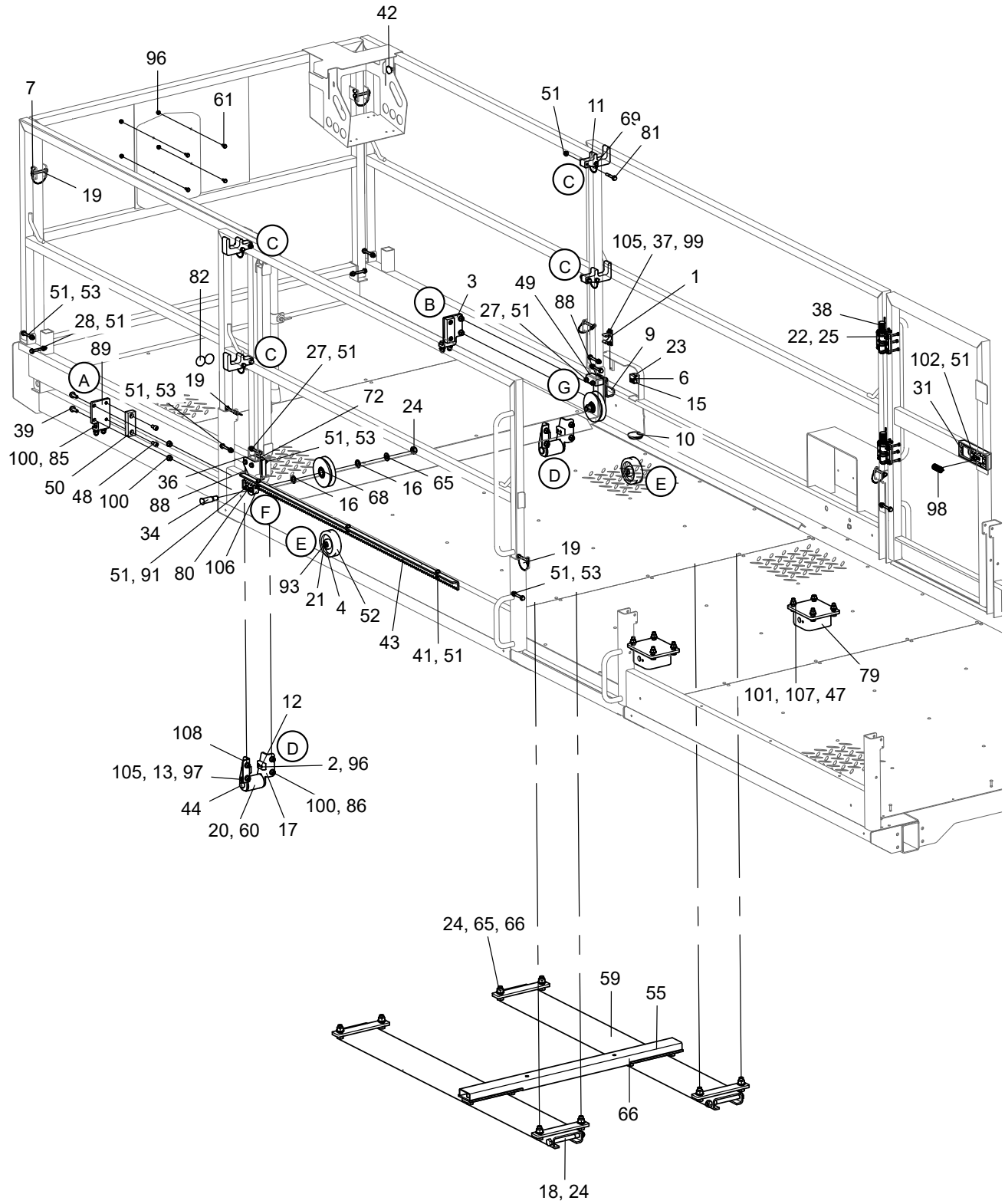
No.	Part No.	Qty.	Description
1	102005040010	8	Limit block
2	101040040071	1	Clamp
3	102015043088	2	Nylon block
4	101012040056	2	Lock
5	102001040006	2	Folded plate
6	215010000288	8	Bolt M8×55-8.8-ZnD GB/T 5789
7	115006043015	1	Rubber choke plug
8	102005040105	2	Support frame
9	102015043072	2	PE ferrule
10	215010000065	10	Bolt M8×60-8.8-ZnD GB/T 5783
11	102005040104	4	Clevis pin XJΦ20-69[Z]
12	102015043053	1	Outer rail 3
13	102015043043	1	Inner rail 4
14	102015043060	1	Extended platform 1[G]
15	215030000108	58	Nut M8-8-ZnD GB/T 6183.1
16	102015043005	2	Pinion rack
17	102013043043	4	Roller assembly
18	102005040025	4	Plate
19	215040000039	20	Washer 16-200HV-ZnD GB/T 97.1
20	102001040033	2	Limit seat
21	101040040070	1	Nylon block
22	215020000010	2	Screw M6×12-A2-70 GB/T 70.1
23	102005040009	4	Folded plate
24	115006043053	8	Nylon block
25	209030003005	1	Bolt M8
26	215010000050	4	Bolt M6×16-A2-70 GB/T 5783
27	102015043090	1	Plate, folded
28	101016010055	6	Pad
29	102005040034	4	PinXGΦ20-60[Z]
30	215020000231	2	Screw M6×30-A2-70 GB/T 70.3
31	102015043029	1	Handle
32	102015043050	1	Inner rail 3
33	102015043031	1	Rack
34	216070000001	1	Manual storage container
35	209020003003	12	Safety pin
36	209020000005	8	Safety pin
37	102015043048	3	Alluminum plate
38	102015043030	1	Outer rail 2
39	101019040001	2	Spring

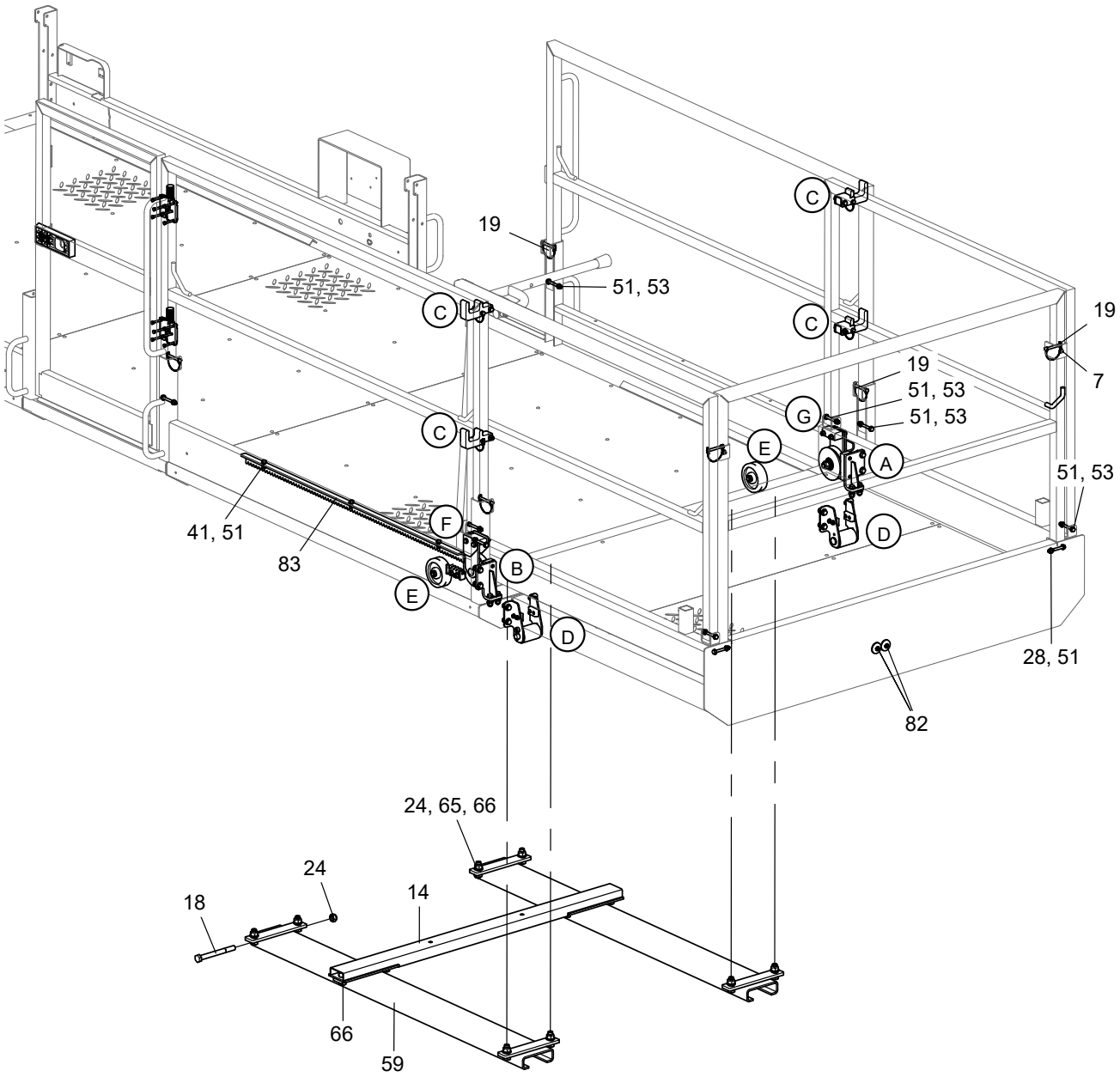
No.	Part No.	Qty.	Description
40	102015043059	1	Rack
41	215030000029	8	Nut M12-8-ZnD GB/T 6184
42	102015043008	1	Inner rail 1
43	102015043042	1	Outer rail 4
44	102015043077	2	Door
45	215010000276	24	Bolt M16×40-8.8-ZnD GB/T 5789
46	102015043046	2	Alluminum plate
47	215010000314	8	Bolt M12×40-10.9-DKL GB/T 5789
48	102005040086	4	Roller
49	102015043091	1	Plate, folded
50	102001040030	4	Buffer strip
51	102015043027	1	Handle
52	215030000107	36	Nut M6-8-ZnD GB/T 6183.1
53	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
54	102001040034	2	Limit seat
55	115006043020	1	Bracket
56	215040000033	2	Washer 6-A2 GB/T 97.1
57	215010000284	16	Bolt M6×55-8.8-ZnD GB/T 5789
58	215040000037	8	Washer 12-200HV-ZnD GB/T 97.1
59	102015043034	1	Extended platform 2[G]
60	102005040033	8	Nylon block
61	102005040043	4	Clevis pin XJΦ20-102[Z]
62	102015043045	1	Inner rail 2
63	215010000268	8	Bolt M10×35-10.9-DKL GB/T 5789
64	209010000002	6	Anti-collision rubber head
65	209020003030	2	Pin
66	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
67	102001043003	4	Retaining ring
68	215040000083	8	Retaining ring 20-DKL GB/T 894.1
69	215040000004	6	Washer 6-A2-70 GB/T 93
70	102001040011	12	Retaining ring
71	215010000265	6	Bolt M8×25-10.9-DKL GB/T 5789
72	102015043025	2	Folded plate
73	102015043093	4	Capping
74	102015043037	2	Alluminum plate
75	215010000267	16	Bolt M10×25-10.9-DKL GB/T 5789
76	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
77	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
78	215050000008	92	Blind rivet 6×20-ZnD GB/T 12618.2

No.	Part No.	Qty.	Description
79	215030000031	24	Nut M16-8-ZnD GB/T 6184
80	102015043055	1	Platform, fixed [Z]
81	102015043066	1	Outer rail 1
82	215020000012	16	Screw M6×20-A2-70 GB/T 70.1
83	101040040069	1	Nylon block
84	215030000109	32	Nut M10-8-ZnD GB/T 6183.1
85	102005040090	4	Chute bracket
86	102013043019	1	Support bracket
87	102013043020	1	Support bracket
88	102005040041	1	Rail, rear
89	102015043010	2	Nylon block
90	102015043002	1	Rod, tie
91	215020000048	8	Screw M10×20-8.8-ZnD GB/T 70.1
92	102005040080	1	Rail, front
93	215010000214	4	Bolt M16×160-8.8-ZnD GB/T 5782
94	102005040003	4	Folded plate
95	102015043081	4	Roller assembly
96	215010000005	26	Bolt M8×70-8.8-ZnD GB/T 5782
97	215010000061	4	Bolt M8×40-8.8-ZnD GB/T 5783
98	102015043092	2	Handle sleeve
99	101012010070	4	Keeper pin Φ6-38
100	102015043087	1	Connecting rod
101	215010000066	4	Bolt M8×65-8.8-ZnD GB/T 5783
102	215030000019	2	Nut M16-04-ZnD GB/T 6172.1
103	209050003014	4	Hinge assembly
104	102015043016	1	Rod, tie
105	102015043086	1	Connecting rod

3.2 PLATFORM ASSEMBLY-7.4M




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No.	Part No.	Qty.	Description
1	101040040071	1	Clamp
2	215020000012	16	Screw M6×20-A2-70 GB/T 70.1
3	102001040033	2	Limit seat
4	215040000083	8	Retaining ring 20-DKL GB/T 894.1
5	115008040015	2	Aluminum plate
6	101040040069	1	Nylon block
7	209010000002	6	Anti-collision rubber head
8	102015043092	2	Handle sleeve
9	102001040006	2	Folded plate
10	115006043015	1	Rubber choke plug
11	102005040010	8	Limit block
12	115006043053	8	Nylon block
13	215010000050	4	Bolt M6×16-A2-70 GB/T 5783
14	102013043019	1	Support bracket
15	215020000230	2	Screw M6×25-A2-70 GB/T 70.3
16	102001043003	8	Retaining ring
17	102005040003	4	Folded plate
18	215010000214	4	Bolt M16×160-8.8-ZnD GB/T 5782
19	209020003003	12	Safety pin
20	102013043043	4	Roller assembly
21	102005040033	8	Nylon block
22	215030000025	25	Nut M6-8-A2-70 GB/T 889.1
23	101040040070	1	Nylon block
24	215030000031	24	Nut M16-8-ZnD GB/T 6184
25	215010000205	25	Bolt M6×55-A2-70 GB/T5783
26	102015043029	1	Handle
27	215010000005	6	Bolt M8×70-8.8-ZnD GB/T 5782
28	215010000319	4	Bolt M8×65-8.8-ZnD GB/T 5789
29	115008040014	1	Aluminum plate
30	102015043093	4	Capping
31	101012040056	2	Lock
32	115008040017	2	Aluminum plate
33	115008040006	1	Outer rail 1
34	102005040104	4	Clevis pin XJΦ20-69[Z]
35	102005040080	1	Rail, front
36	102015043091	1	Plate, folded
37	215020000010	2	Screw M6×12-A2-70 GB/T 70.1
38	101015040007	4	Hinge assembly

No.	Part No.	Qty.	Description
39	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
40	102015043034	1	Extended platform 2[G]
41	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
42	209030003005	1	Bolt M8
43	102015043031	1	Rack
44	102005040043	4	Clevis pin XJΦ20-102[Z]
45	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
46	102015043043	1	Inner rail 4
47	215030000029	8	Nut M12-8-ZnD GB/T 6184
48	215020000048	8	Screw M10×20-8.8-ZnD GB/T 70.1
49	102001040029	2	Block, nylon
50	102001040030	4	Buffer strip
51	215030000108	58	Nut M8-8-ZnD GB/T 6183.1
52	102005040086	4	Roller
53	215010000317	20	Bolt M8×70-8.8-ZnD GB/T 5789
54	102015043016	1	Rod, tie
55	102013043020	1	Support bracket
56	115008040008	1	Outer rail 3
57	115008040007	1	Outer rail 2
58	115008040016	2	Aluminum plate
59	115006043047	4	Support, channel
60	102001040011	8	Retaining ring
61	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
62	215030000019	1	Nut M16-04-ZnD GB/T 6172.1
63	209020003024	2	Pin
64	102015043027	1	Handle
65	215040000039	20	Washer 16-200HV-ZnD GB/T 97.1
66	215010000276	24	Bolt M16×40-8.8-ZnD GB/T 5789
67	102015043072	2	PE ferrule
68	102015043081	4	Roller assembly
69	209020000005	8	Safety pin
70	102015043090	1	Plate, folded
71	215050000008	92	Blind rivet 6×20-ZnD GB/T 12618.2
72	102015043088	2	Nylon block
73	102005040041	1	Rail, rear
74	115008040005	1	Platform, fixed [Z]
75	102015043087	1	Connecting rod
76	102015043002	1	Rod, tie
77	215010000289	6	Bolt M8×60-8.8-ZnD GB/T 5789

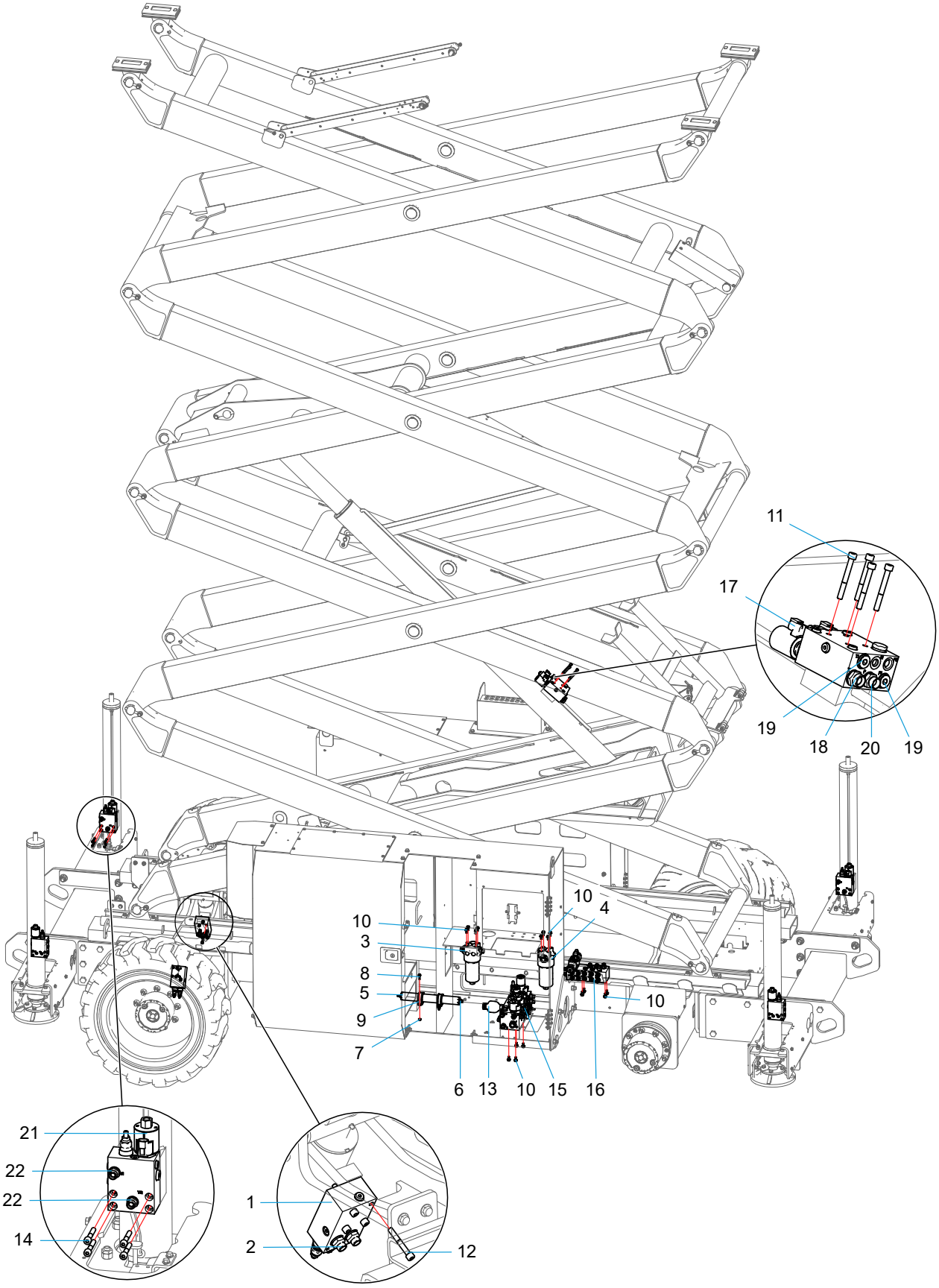
No.	Part No.	Qty.	Description
78	102015043045	1	Inner rail 2
79	102005040105	2	Support frame
80	102015043005	2	Pinion rack
81	215010000288	8	Bolt M8×55-8.8-ZnD GB/T 5789
82	101016010055	6	Pad
83	102015043059	1	Rack
84	102015043008	1	Inner rail 1
85	215010000268	8	Bolt M10×35-10.9-DKL GB/T 5789
86	215010000267	16	Bolt M10×25-10.9-DKL GB/T 5789
87	102015043060	1	Extended platform 1[G]
88	102005040025	4	Plate
89	102001040034	2	Limit seat
90	102015043050	1	Inner rail 3
91	215010000297	4	Bolt M8×40-8.8 ZnD GB/T 5789
92	115008040009	1	Outer rail 4
93	102005040034	4	PinXGΦ20-60[Z]
94	102015043086	1	Connecting rod
95	115006043020	1	Bracket
96	215030000107	20	Nut M6-8-ZnD GB/T 6183.1
97	101012010070	4	Keeper pin Φ6-38
98	101019040001	2	Spring
99	215040000033	2	Washer 6-A2 GB/T 97.1
100	215030000109	32	Nut M10-8-ZnD GB/T 6183.1
101	215040000037	8	Washer 12-200HV-ZnD GB/T 97.1
102	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
103	115008040013	2	Door
104	216070000001	1	Manual storage container
105	215040000004	6	Washer 6-A2-70 GB/T 93
106	102015043025	2	Folded plate
107	215010000244	8	Bolt M12×40-8.8 ZnD GB/T 5789
108	102005040009	4	Folded plate
109	215010000065	2	Bolt M8×60-8.8-ZnD GB/T 5783

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4 HYDRAULIC SYSTEM

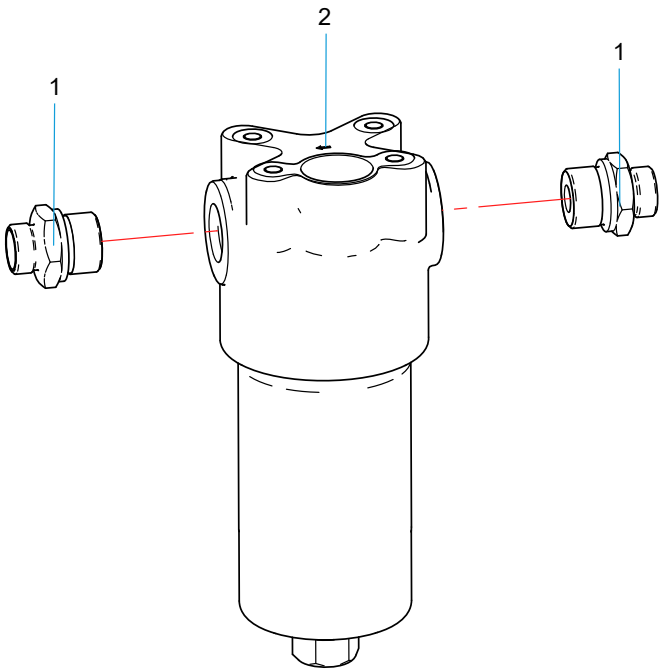
4.1 HYDRAULIC SYSTEM -1323

4.1.1 HYDRAULIC COMPONENTS INSTALLATION



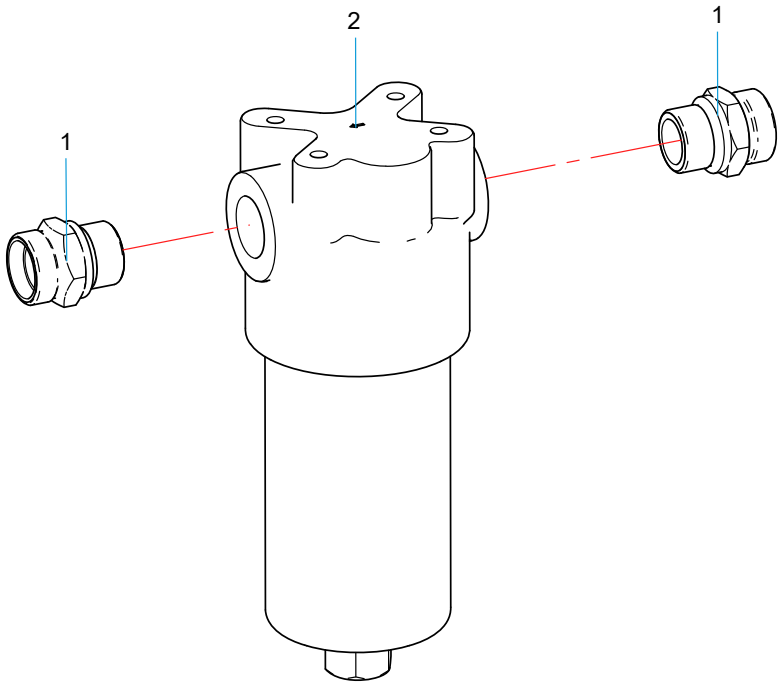
No.	Part No.	Qty.	Description
1	202040003137	2	2-way counterbalance valve(See details)
2	213010000006	4	Coupler
3	115007050005		High press filter coupler installation(See details)
4	115007050006		Return filter coupler installation(See details)
5	202090003002	1	Piston accumulator
6	213010000144	1	Coupler
7	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
8	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
9	216020000025	2	Retaining ring
10	215010000286	16	Bolt M8×16-8.8-ZnD GB/T 5789
11	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
12	215020000039	8	Screw M8×60-10.9-DKL GB/T 70.1
13	202090003003	1	Accumulator
14	215020000033	16	Screw M8×50-10.9-DKL GB/T 70.1
15	115007050008		INST, fitting (control valve, platform)(See details)
16	115007050007		Outrigger control manifold&coupler installation(See details)
17	202040003568	1	Lower lift control valve(See details)
18	213010000003	1	Coupler
19	213060000001	2	Plug
20	213010000005	1	Coupler
21	202040003479	4	Outrigger solenoid manifold(See details)
22	213010000012	8	Coupler

4.1.2 HIGH PRESSURE FILTER CONNECTOR INSTALLATION



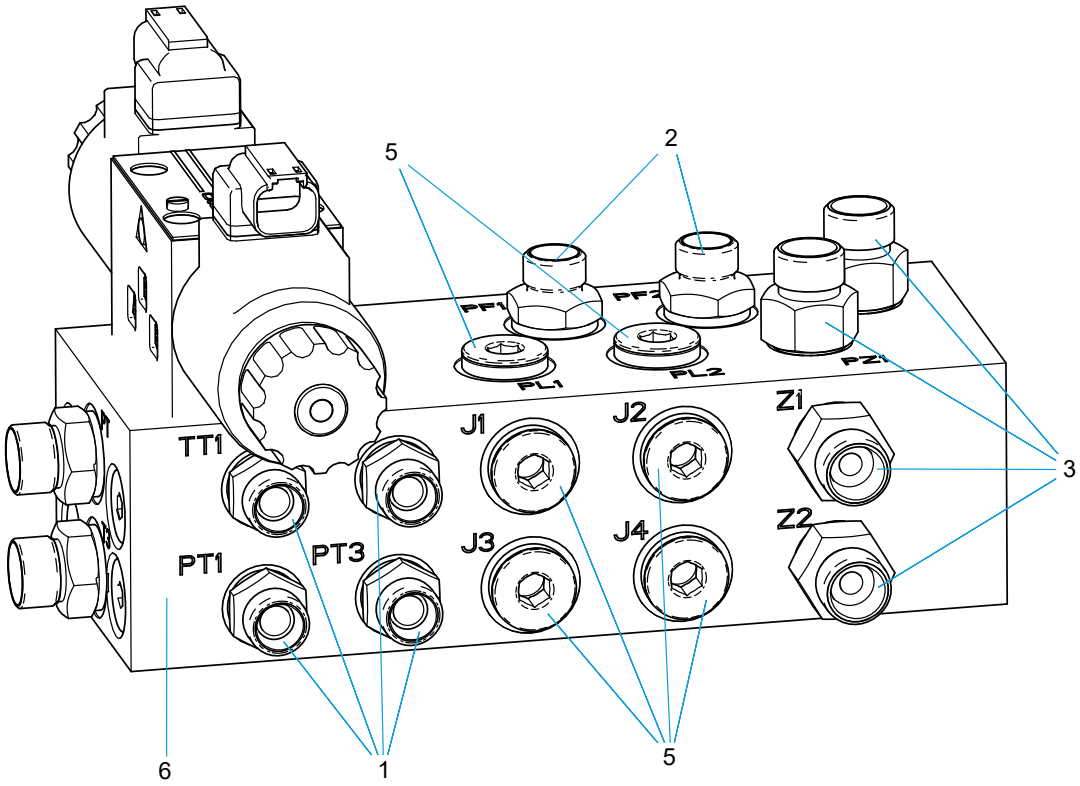
No.	Part No.	Qty.	Description
1	213010000014	2	Coupler
2	105044053006		High pressure filter options
2-1	202080003017	1	High pressure filter(SC: 1000181)
2-1a	202080003018	1	Filter element
2-2	202080000046	1	High pressure filter(SC: 1000060)
2-2a	202080000048	1	Filter element

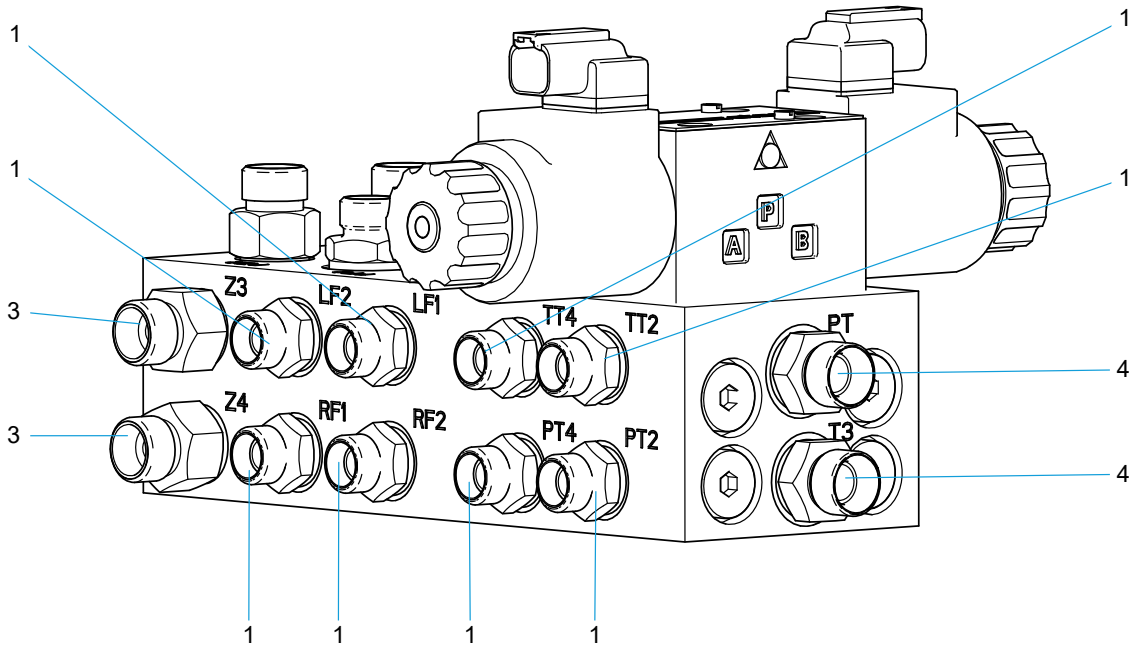
4.1.3 RETURN FILTER CONNECTOR INSTALLATION



No.	Part No.	Qty.	Description
1	213010000045	2	Coupler
2-1	202080003017	1	High pressure filter(SC: 1000181)
2-1a	202080003018	1	Filter element
2-2	202080000046	1	High pressure filter(SC: 1000060)
2-2a	202080000048	1	Filter element

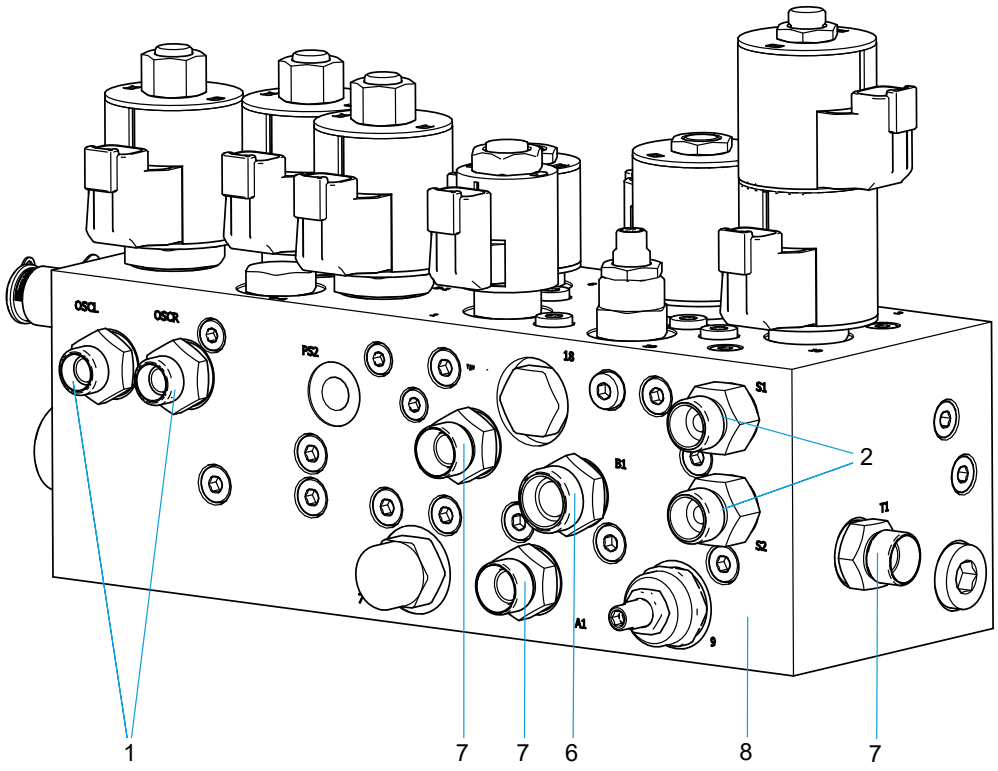
4.1.4 OUTRIGGER CONTROL VALVE AND FITTINGS INSTALLATION

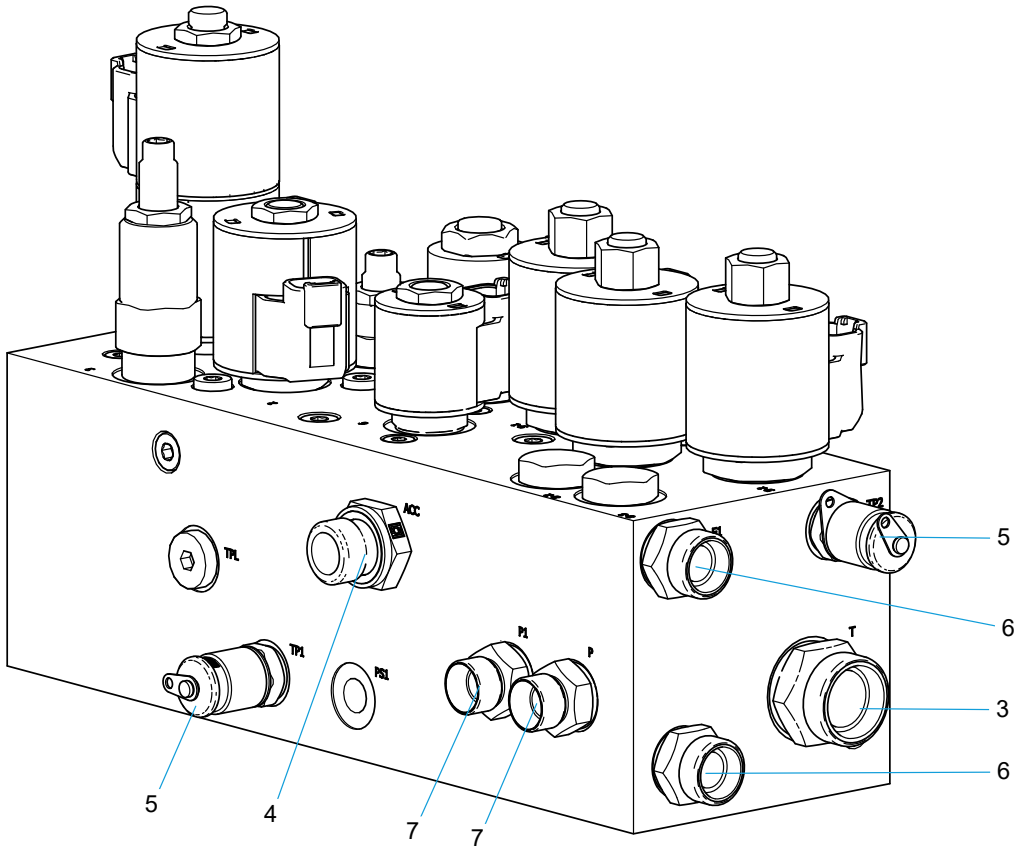




No.	Part No.	Qty.	Description
1	213010000012	12	Coupler
2	213010000006	2	Coupler
3	213010000036	6	Coupler
4	213010000005	2	Coupler
5	213060000001	6	Plug
6	202040003222	1	Outrigger control manifold

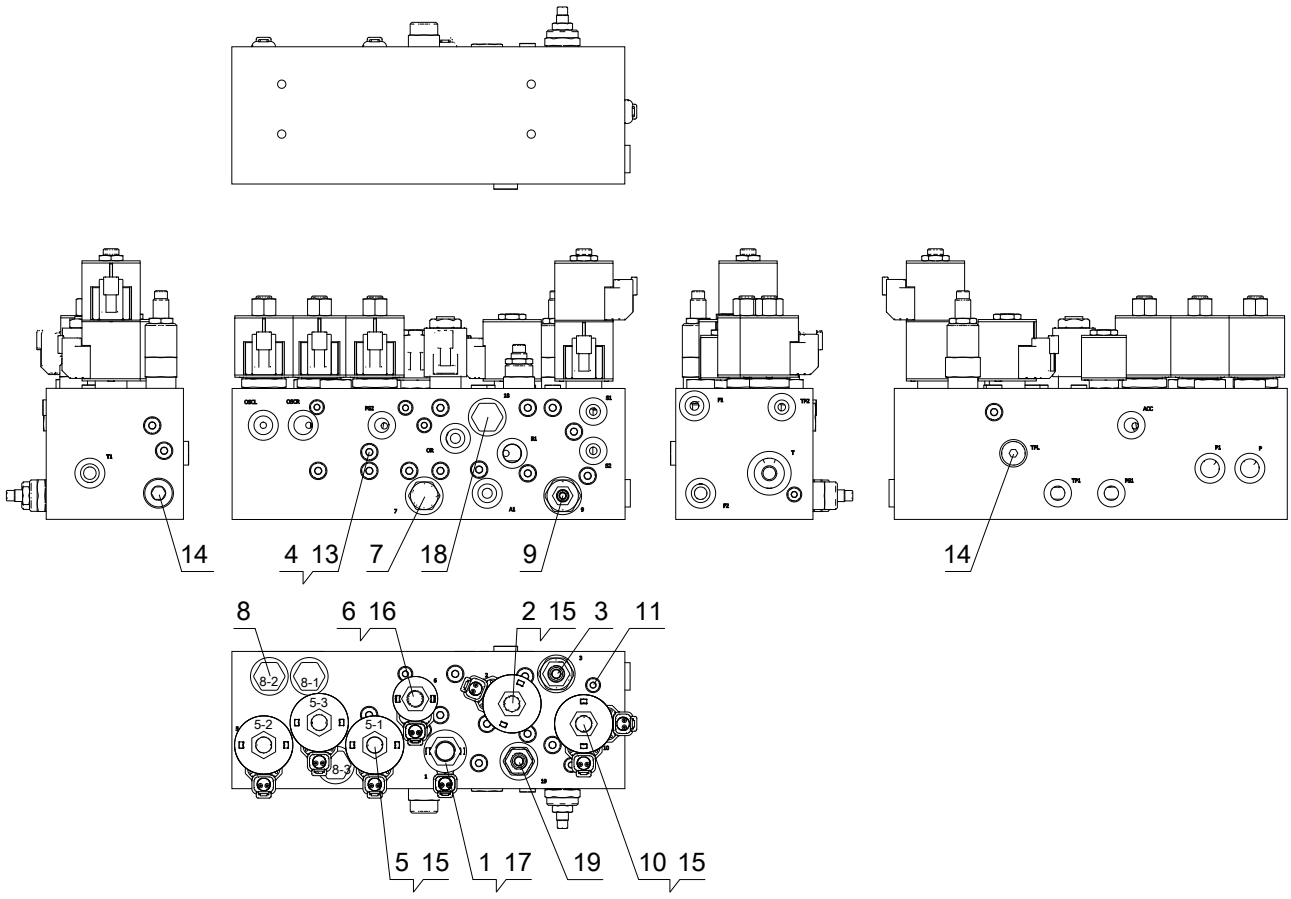
4.1.5 PLATFORM CONTROL VALVE AND FITTINGS INSTALLATION





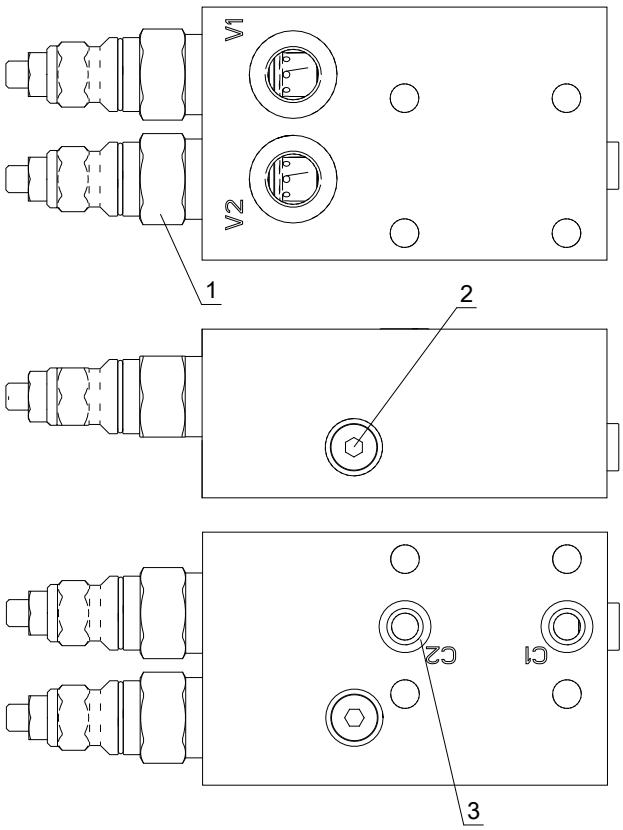
No.	Part No.	Qty.	Description
1	213010000006	2	Coupler
2	213010000036	2	Coupler
3	213010000045	1	Coupler
4	213010003032	1	Coupler
5	213010000010	2	Coupler
6	213010000003	3	Coupler
7	213010000005	5	Coupler
8	202040003796	1	Platform control manifold

4.1.6 PLATFORM CONTROL VALVE (PN.202040003796)



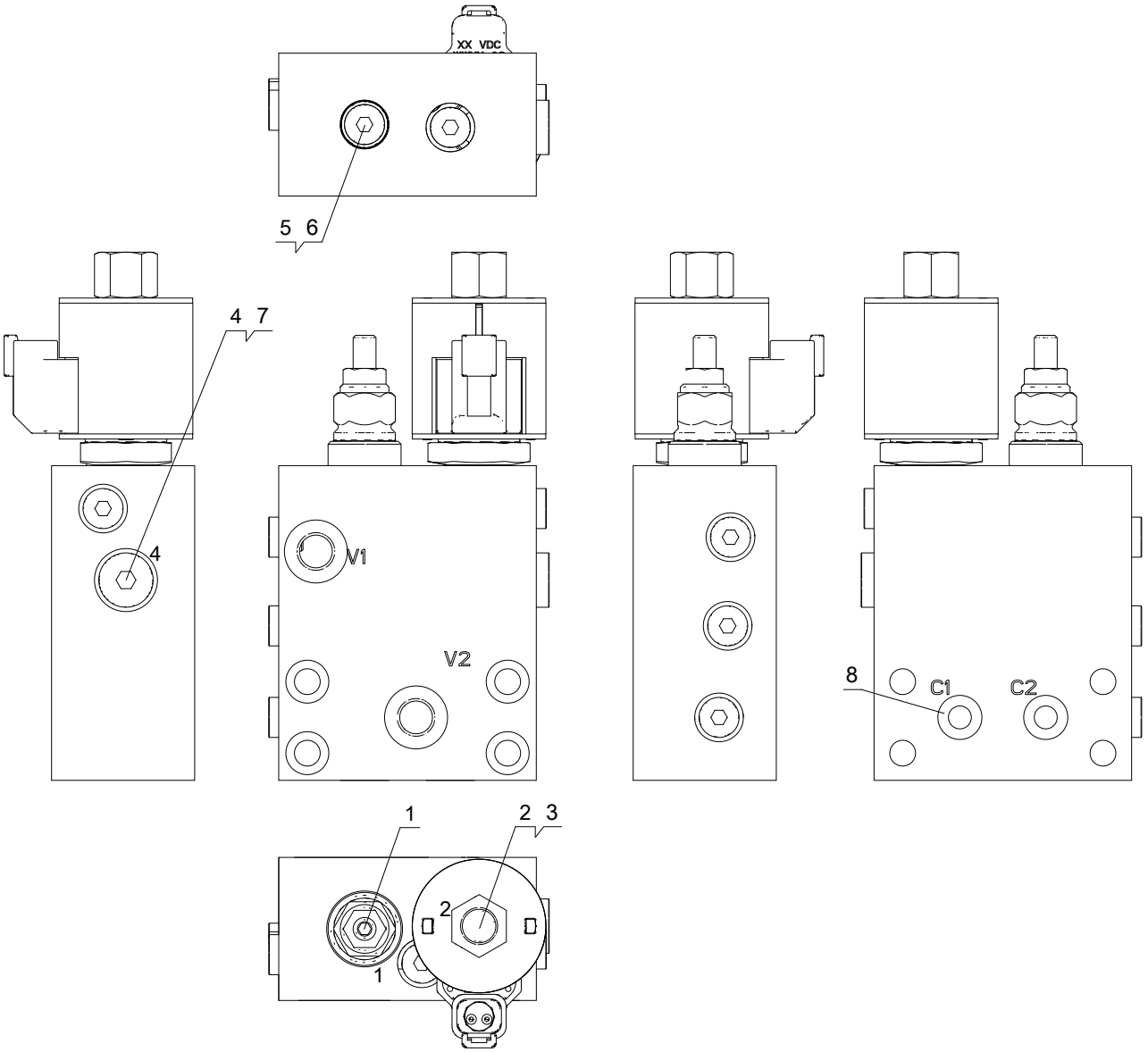
No.	Part No.	Qty.	Description
1	202990003433	1	Electric proportional relief valve
2	202990003099	1	Solenoid valve
3	202990003434	1	Two way relief valve
5	202040003157	3	Solenoid directional valve
6	202040003152	1	Solenoid directional valve
7	202990003264	1	Flow valve
8	202990003738	3	Check valve
9	202990003057	1	Pressure compensator valve
10	202990003016	1	Valve,telescope counterbalance
15	202990003218	1	Coil
16	202990000035	6	Coil
17	202990000037	1	Coil
18	202990003802	1	Check valve
19	202990003035	1	Relief valve

4.1.7 2-WAY COUNTERBALANCE VALVE (PN.202040003137)



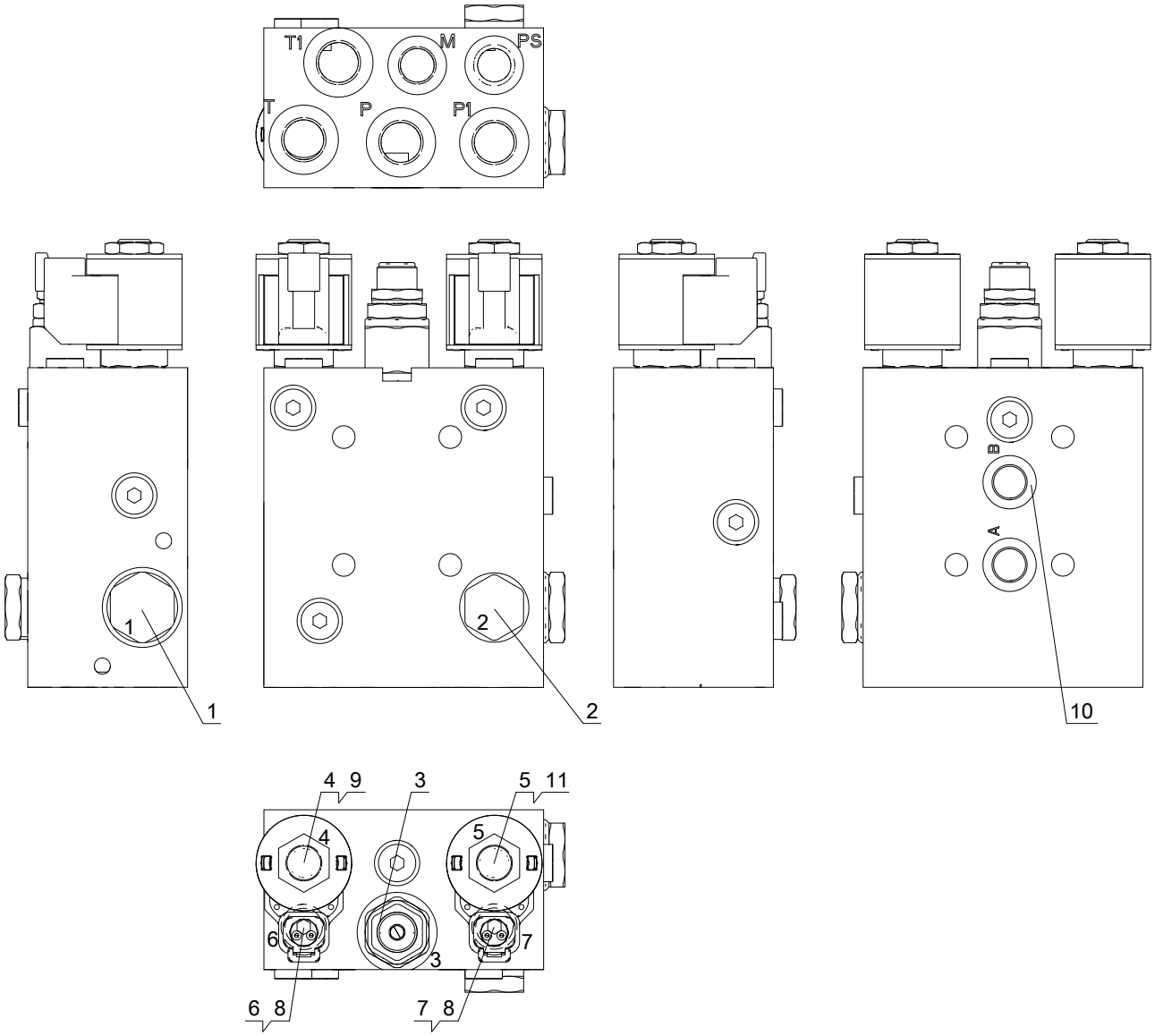
No.	Part No.	Qty.	Description
1	202990003207	2	Counterbalance valve
3	207040003003	2	O-ring

4.1.8 OUTRIGGER SOLENOID MANIFOLD (PN.202040003479)



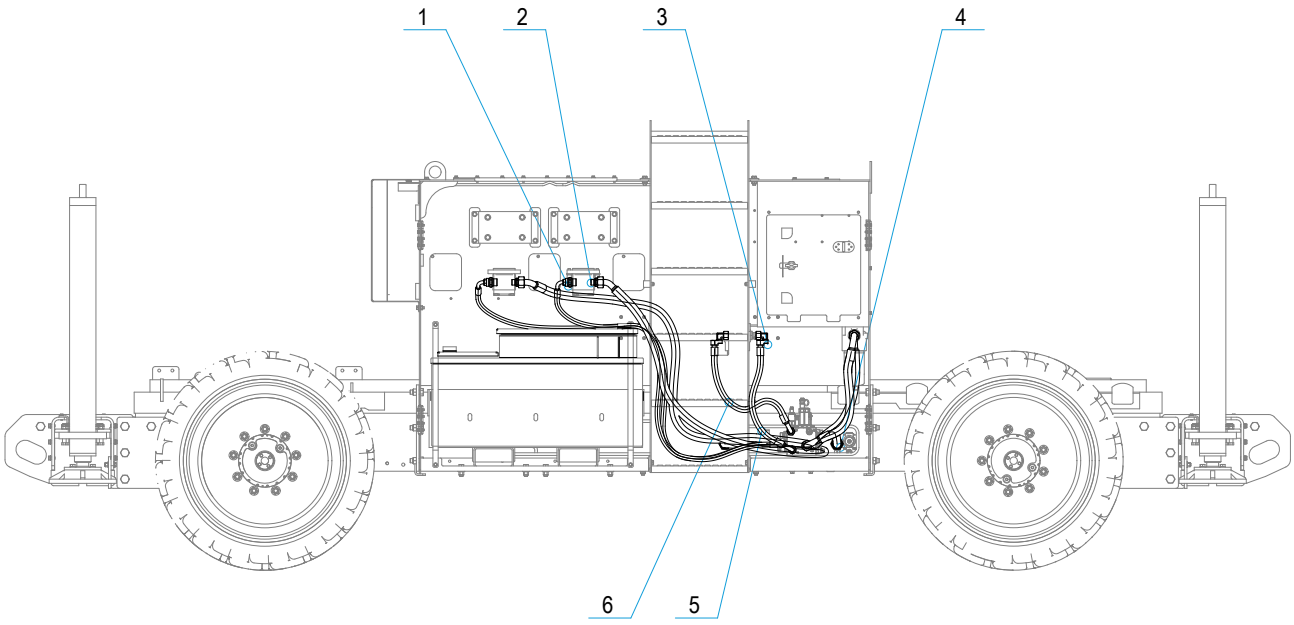
No.	Part No.	Qty.	Description
1	202990003249	1	Counterbalance valve
2	202990003228	1	Solenoid valve
3	202990000035	1	Coil
4	202990003192	1	High pressure piece
5	202130003003	1	Damper
8	207040003003	2	O-ring

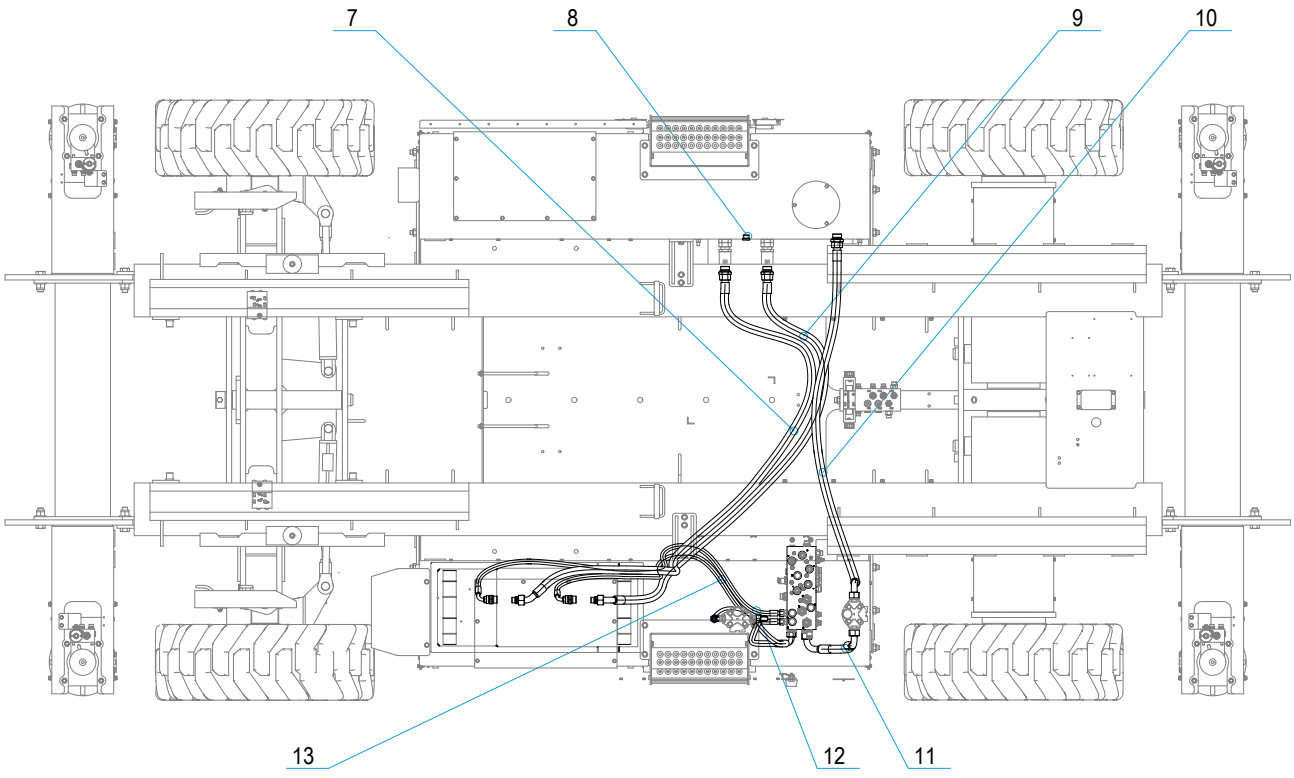
4.1.9 LOWER LIFT CONTROL VALVE (PN.202040003568)



No.	Part No.	Qty.	Description
1	202990003095	1	Check valve
2	202990003071	1	Check valve
3	202990000028	1	Relief valve
4	202990003497	1	Solenoid valve
5	202990003496	1	Solenoid valve
6	202130003026	1	Damper
7	202130000001	1	Damper
9	202990003259	1	Coil
10	207060003005	2	O-ring
11	202990003144	1	Coil

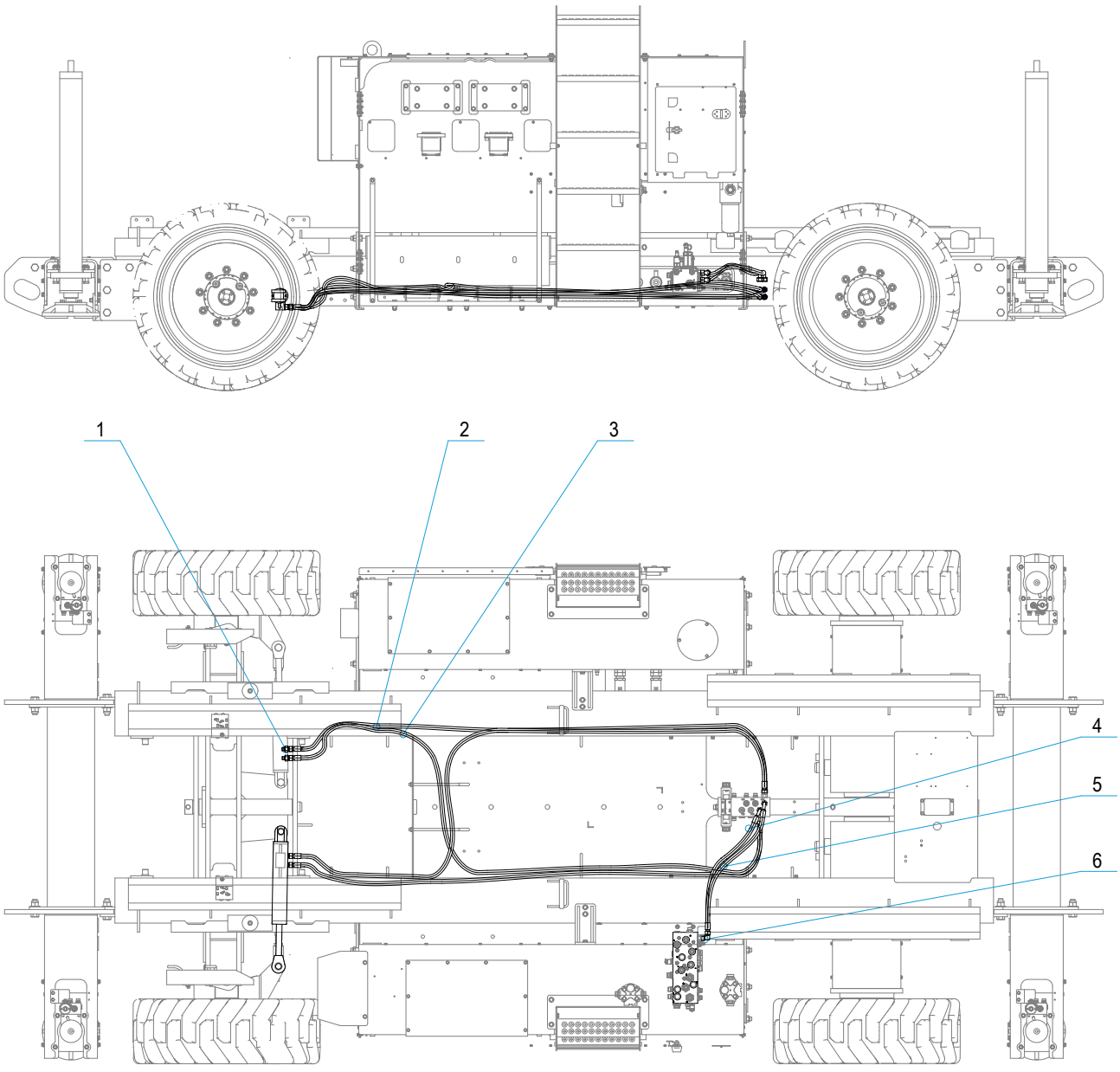
4.1.10 PUMP TUBES LAYOUT





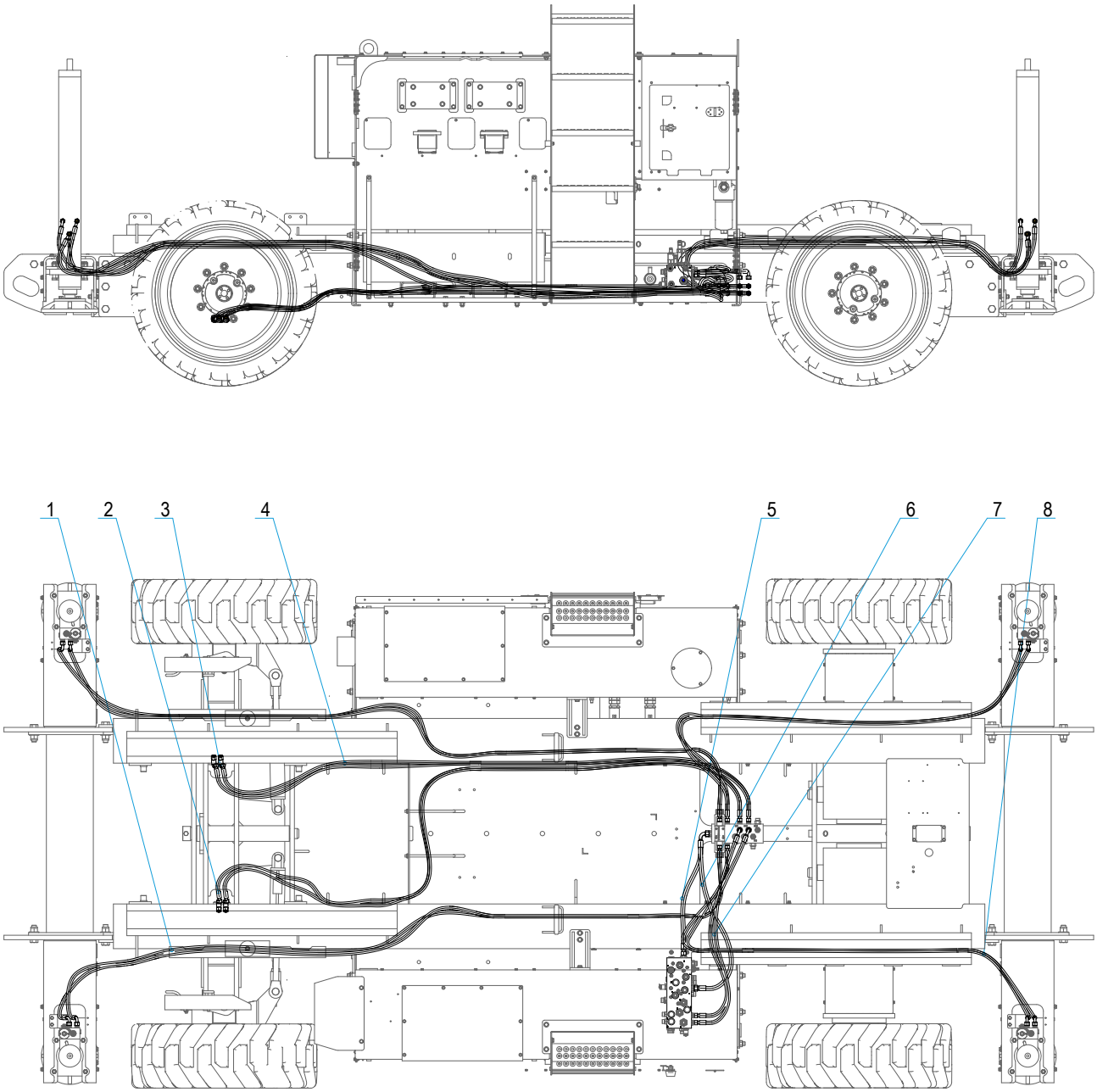
No.	Part No.	Qty.	Description
1	213010000045	2	Coupler
2	213010000038	2	Coupler
3	213010000008	2	Coupler
4	213010000175	3	Coupler
5	213050003001	1	Hose
6	213050001574	1	Hose
7	213050017175	1	Hose
8	213060000004	1	Plug
9	213050003056	1	Hose
10	213050000056	1	Hose
11	213050003758	1	Hose
12	213050001519	1	Hose
13	213050003290	1	Hose

4.1.11 PIPE LAYOUT DRAWING OF STEERING



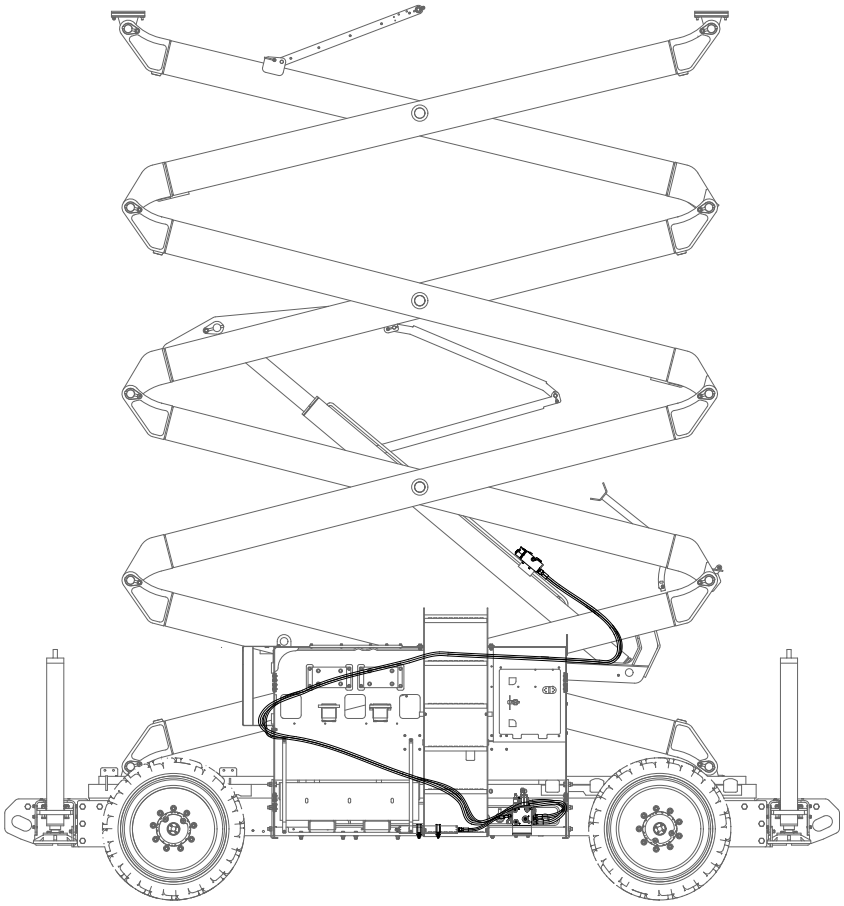
No.	Part No.	Qty.	Description
1	213010000036	4	Coupler
2	213050001325	2	Hose
3	213050000833	2	Hose
4	213050003409	1	Hose
5	213050000283	1	Hose
6	213010000055	2	Coupler

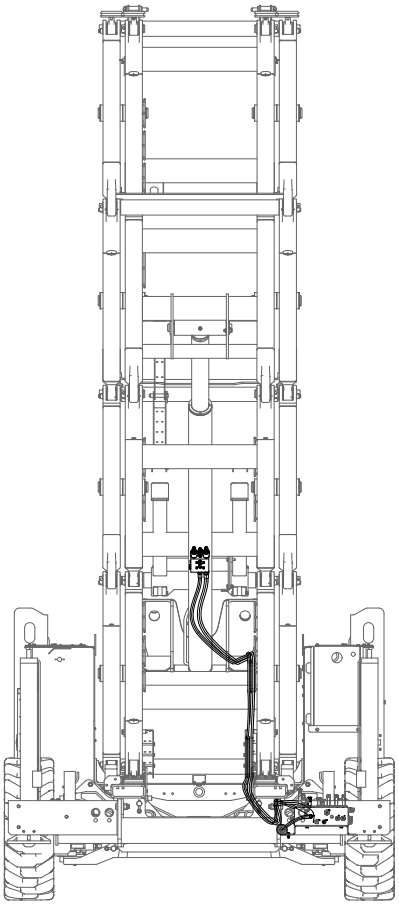
4.1.12 PIPE LAYOUT DRAWING OF OUTRIGGER AND OSCILLATING

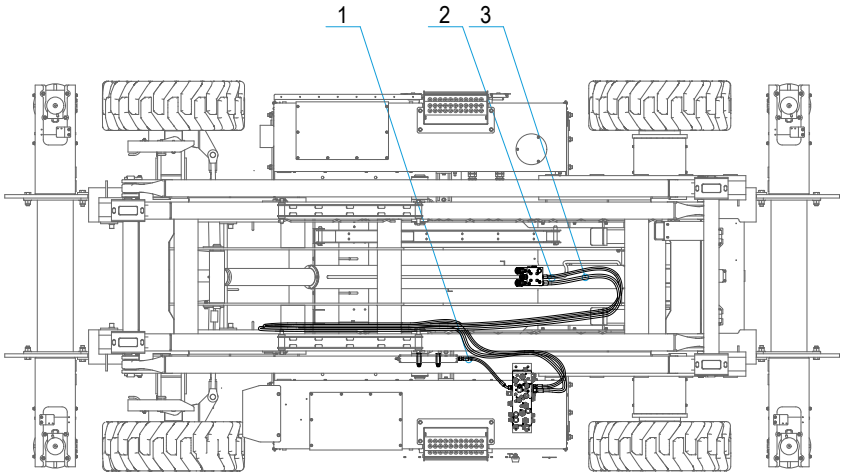


No.	Part No.	Qty.	Description
1	213050001311	4	Hose
2	213050000853	2	Hose
3	213010000201	4	Coupler
4	213050000844	2	Hose
5	213050003208	1	Hose
6	213050000408	1	Hose
7	213050000029	2	Hose
8	213050003039	4	Hose

4.1.13 LIFTING ACCUMULATOR TUBES LAYOUT





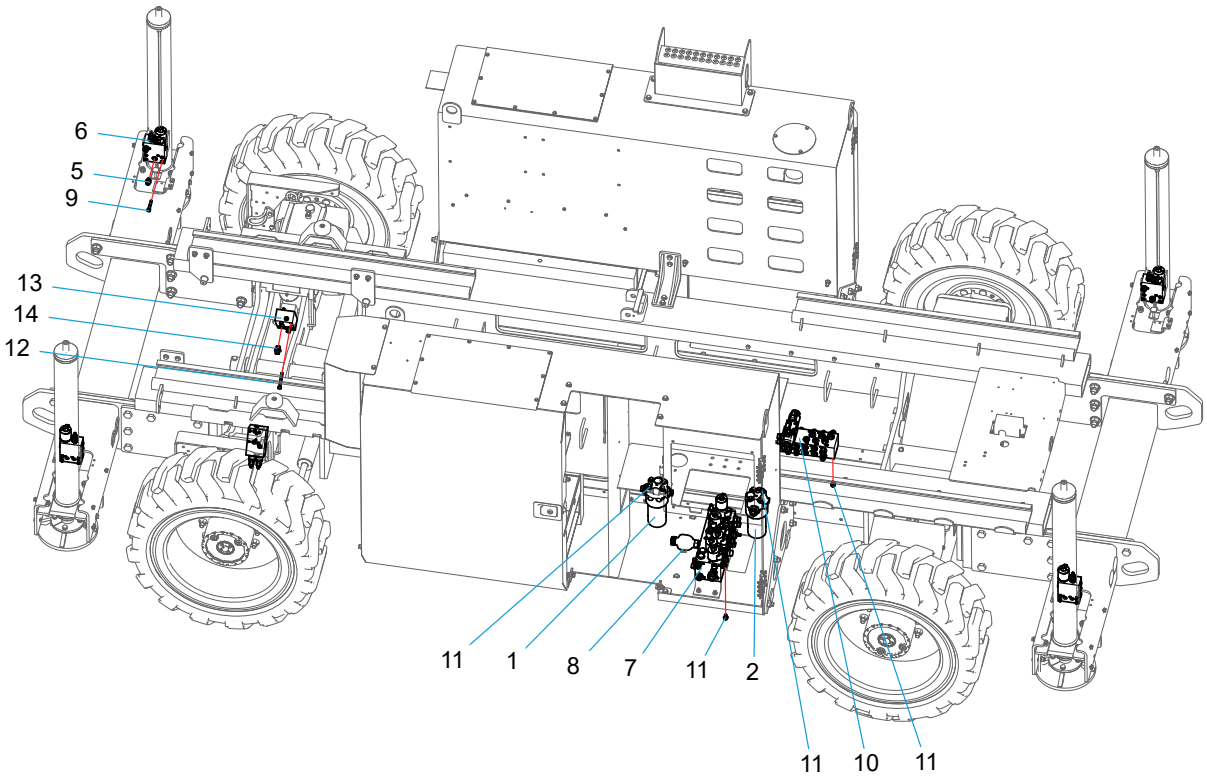


No.	Part No.	Qty.	Description
1	213050001356	1	Hose
2	213050017181	1	Hose
3	213050000509	1	Hose

4.2 HYDRAULIC SYSTEM -1623

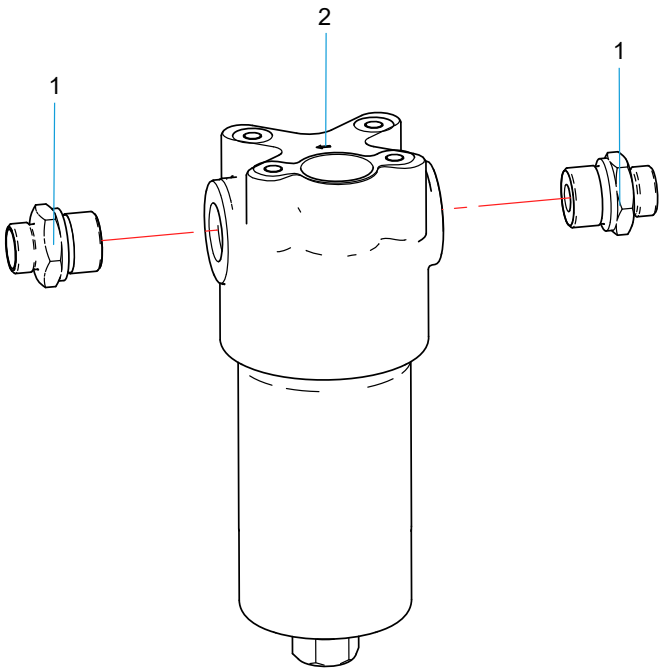
4.2.1 CHASSIS HYDRAULIC SYSTEM

4.2.1.1 Chassis Hydraulic Components Installation



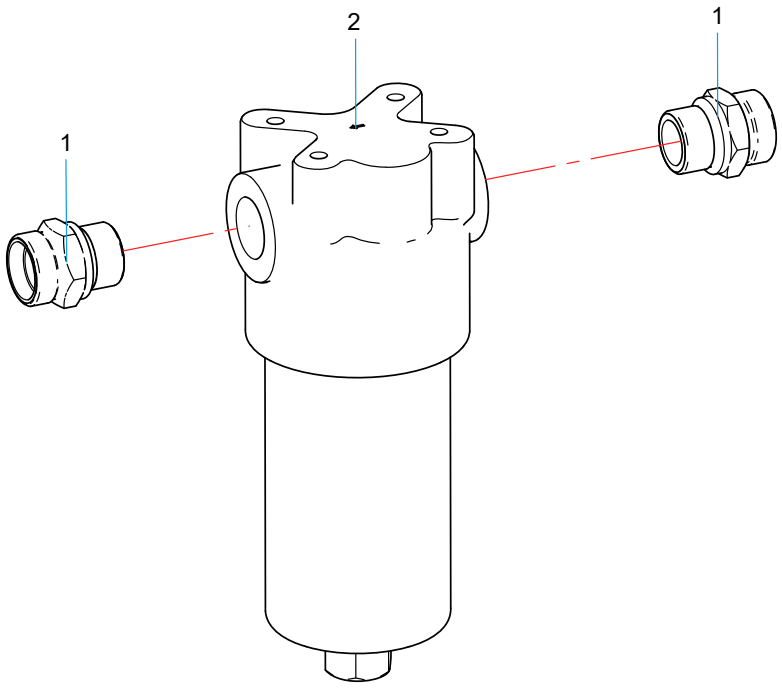
No.	Part No.	Qty.	Description
1	102015053005		High press filter coupler assembly(See details)
2	102015053014		Return filter coupler assembly(See details)
5	213010000012	8	Coupler
6	202040003479	4	Outrigger solenoid manifold
7	115008050012		Platform control manifold&coupler Assembly(See details)
8	202090003003	1	Accumulator
9	215020000033	16	Screw M8×50-10.9-DKL GB/T 70.1
10	115008050010		Outrigger control manifold&coupler Assembly(See details)
11	215010000286	16	Bolt M8×16-8.8-ZnD GB/T 5789
12	215020000039	8	Screw M8×60-10.9-DKL GB/T 70.1
13	202040003137	2	2-way counterbalance valve
14	213010000006	4	Coupler

4.2.1.2 High Pressure Filter Connector Installation



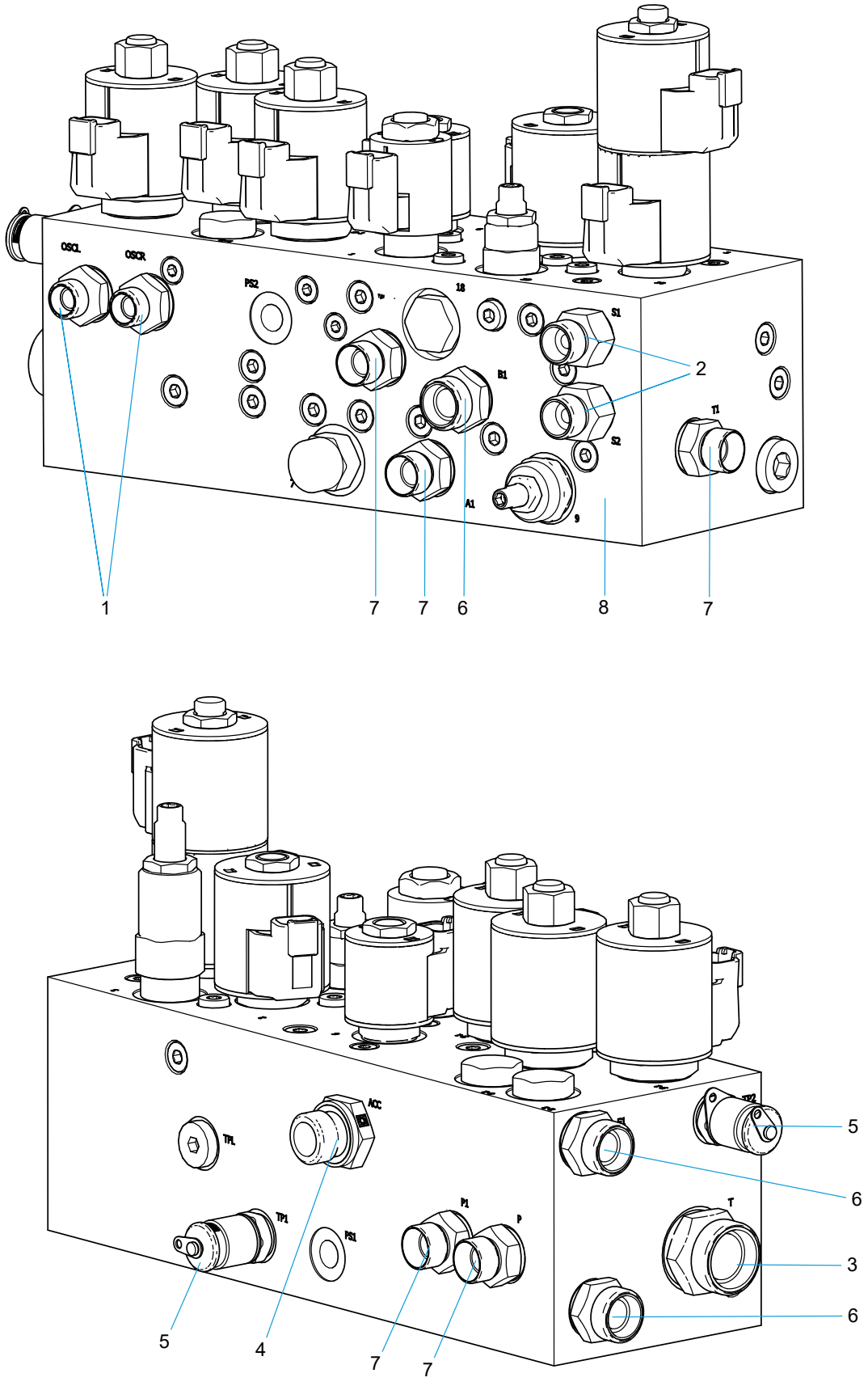
No.	Part No.	Qty.	Description
1	213010000014	2	Coupler
2	105044053006		High pressure filter options
2-1	202080003017	1	High pressure filter(SC: 1000181)
2-1a	202080003018	1	Filter element
2-2	202080000046	1	High pressure filter(SC: 1000060)
2-2a	202080000048	1	Filter element

4.2.1.3 Return Filter Connector Installation



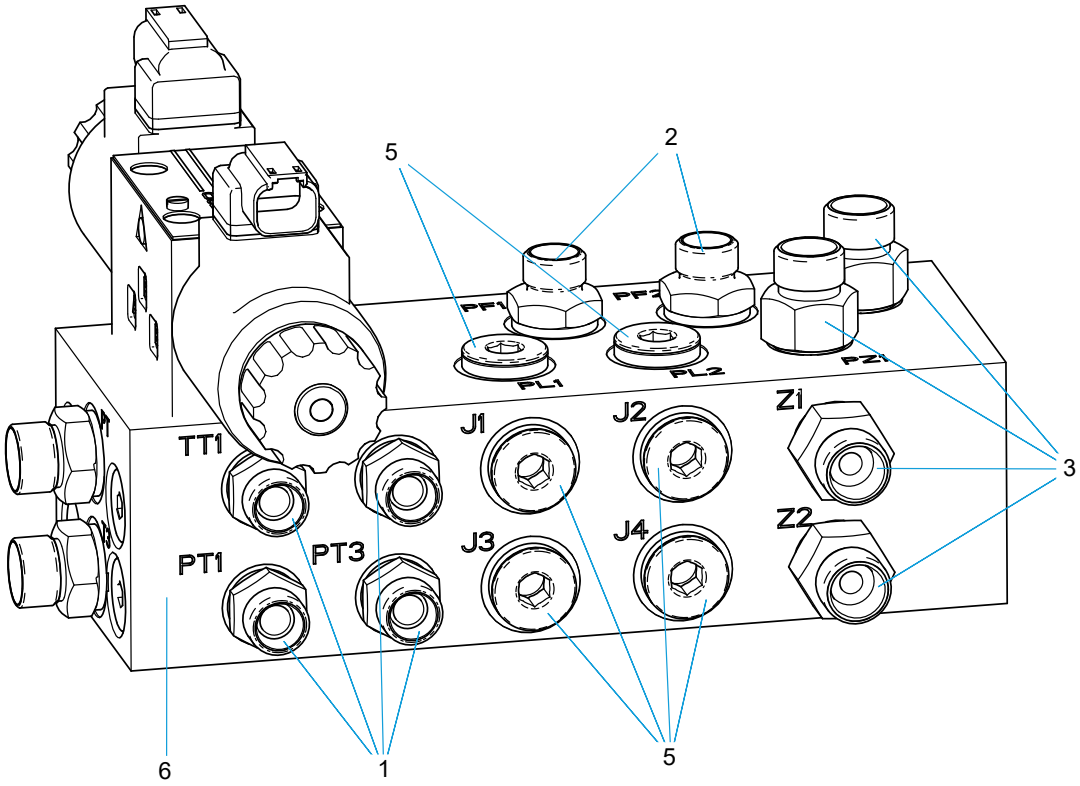
No.	Part No.	Qty.	Description
1	213010000045	2	Coupler
2-1	202080003017	1	High pressure filter(SC: 1000181)
2-1a	202080003018	1	Filter element
2-2	202080000046	1	High pressure filter(SC: 1000060)
2-2a	202080000048	1	Filter element

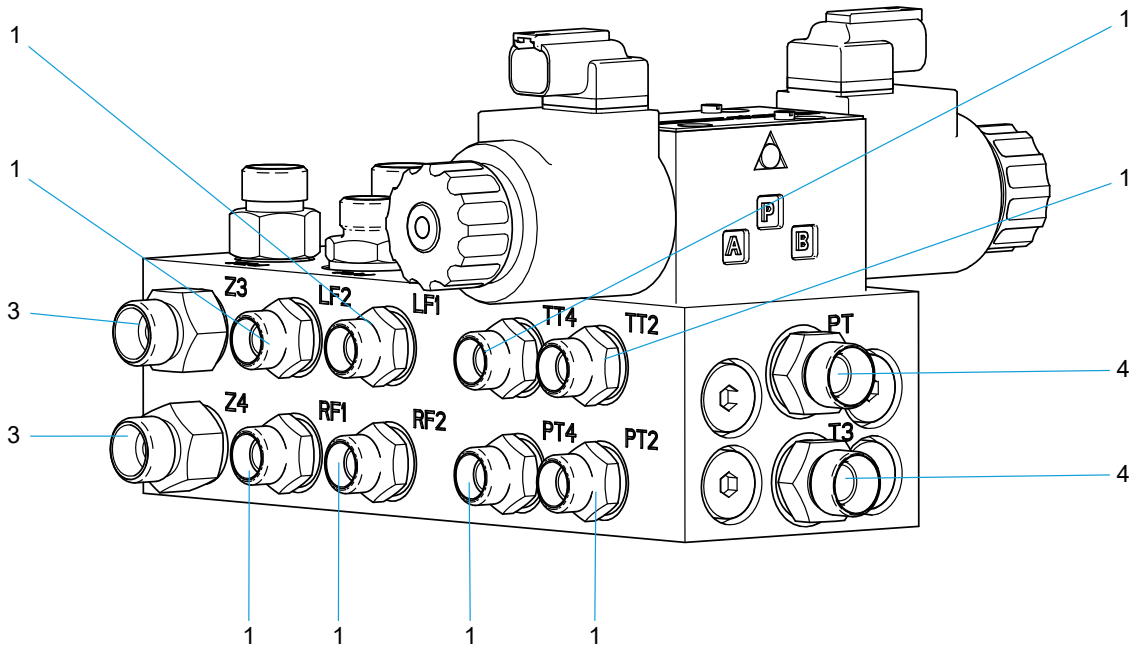
4.2.1.4 Platform Control Valve and Fittings Installation



No.	Part No.	Qty.	Description
1	213010000006	2	Coupler
2	213010000036	2	Coupler
3	213010000045	1	Coupler
4	213010003032	1	Coupler
5	213010000010	2	Coupler
6	213010000003	3	Coupler
7	213010000005	5	Coupler
8	202040003796	1	Platform control manifold

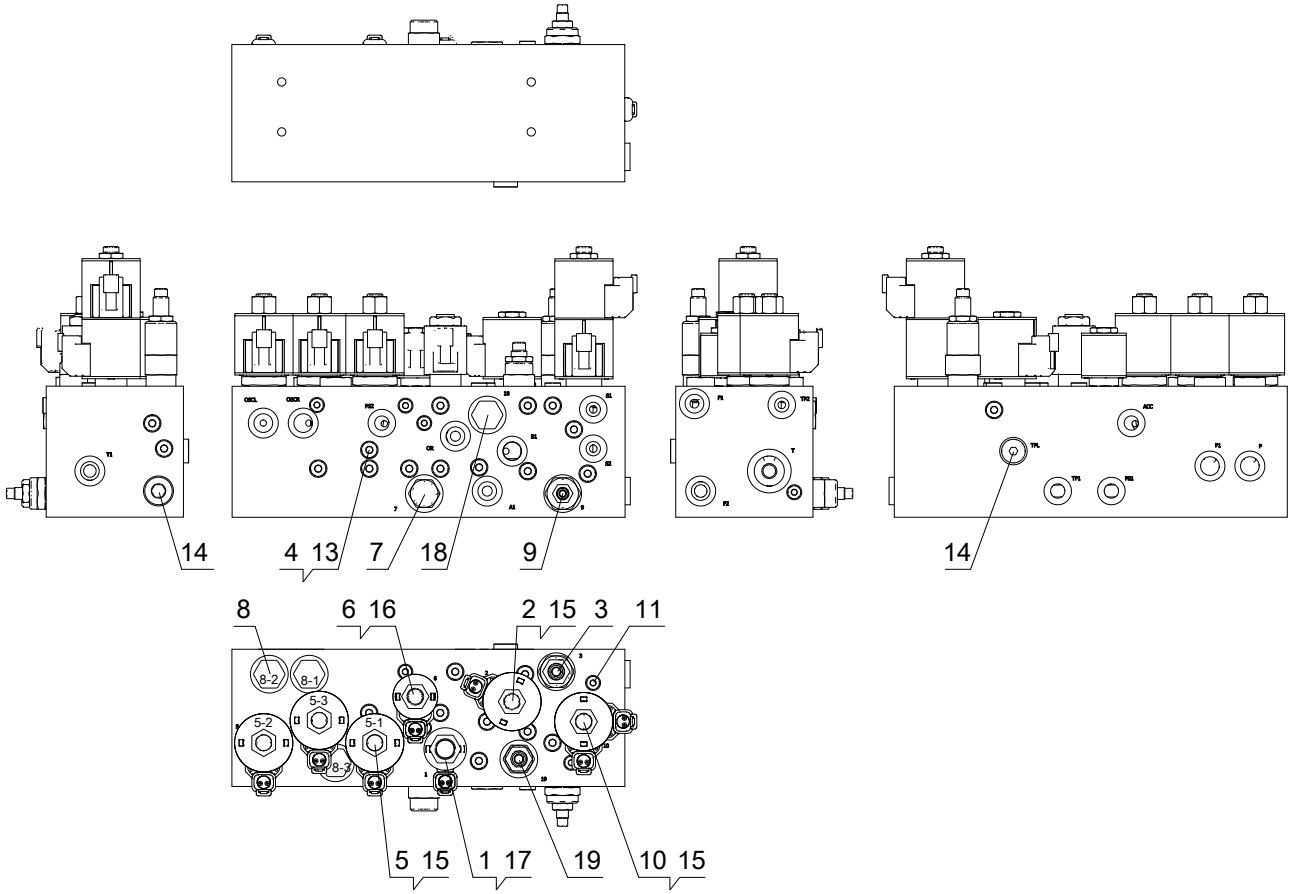
4.2.1.5 Outrigger Control Valve and Fittings Installation





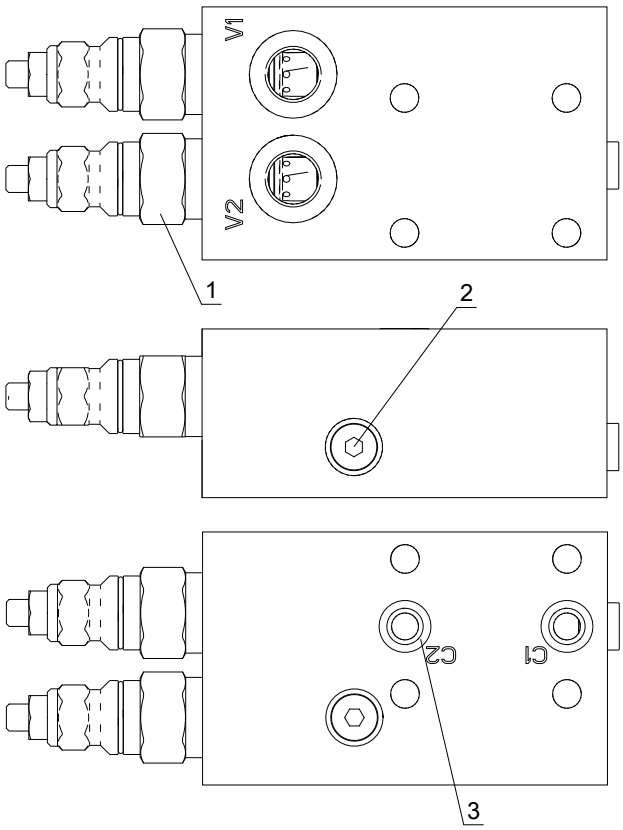
No.	Part No.	Qty.	Description
1	213010000012	12	Coupler
2	213010000006	2	Coupler
3	213010000036	6	Coupler
4	213010000005	2	Coupler
5	213060000001	6	Plug
6	202040003222	1	Outrigger control manifold

4.2.1.6 Platform Control Valve (PN.202040003796)



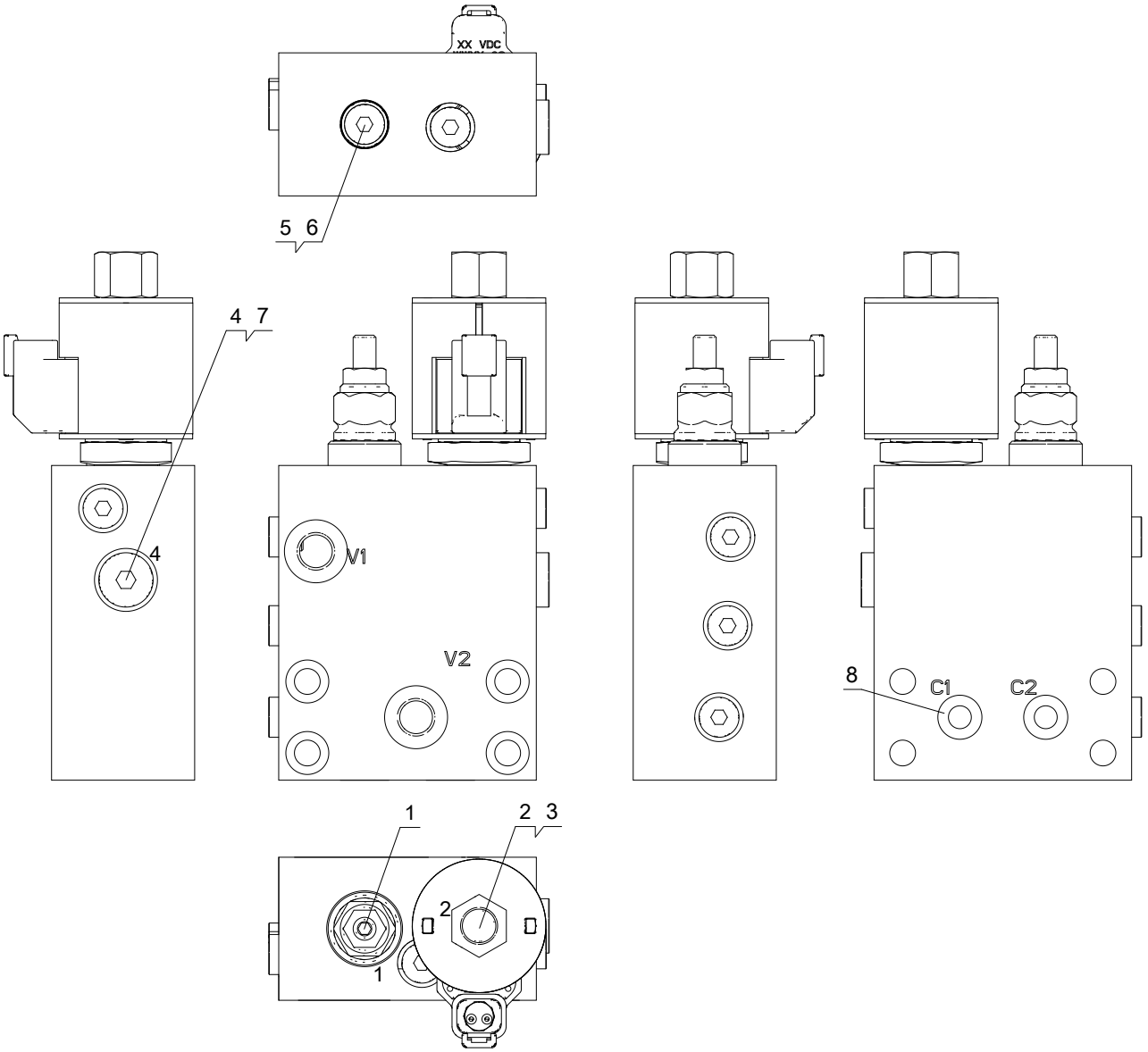
No.	Part No.	Qty.	Description
1	202990003433	1	Electric proportional relief valve
2	202990003099	1	Solenoid valve
3	202990003434	1	Two way relief valve
5	202040003157	3	Solenoid directional valve
6	202040003152	1	Solenoid directional valve
7	202990003264	1	Flow valve
8	202990003738	3	Check valve
9	202990003057	1	Pressure compensator valve
10	202990003016	1	Valve,telescope counterbalance
15	202990003218	1	Coil
16	202990000035	6	Coil
17	202990000037	1	Coil
18	202990003802	1	Check valve
19	202990003035	1	Relief valve

4.2.1.7 2-way Counterbalance Valve (PN.202040003137)



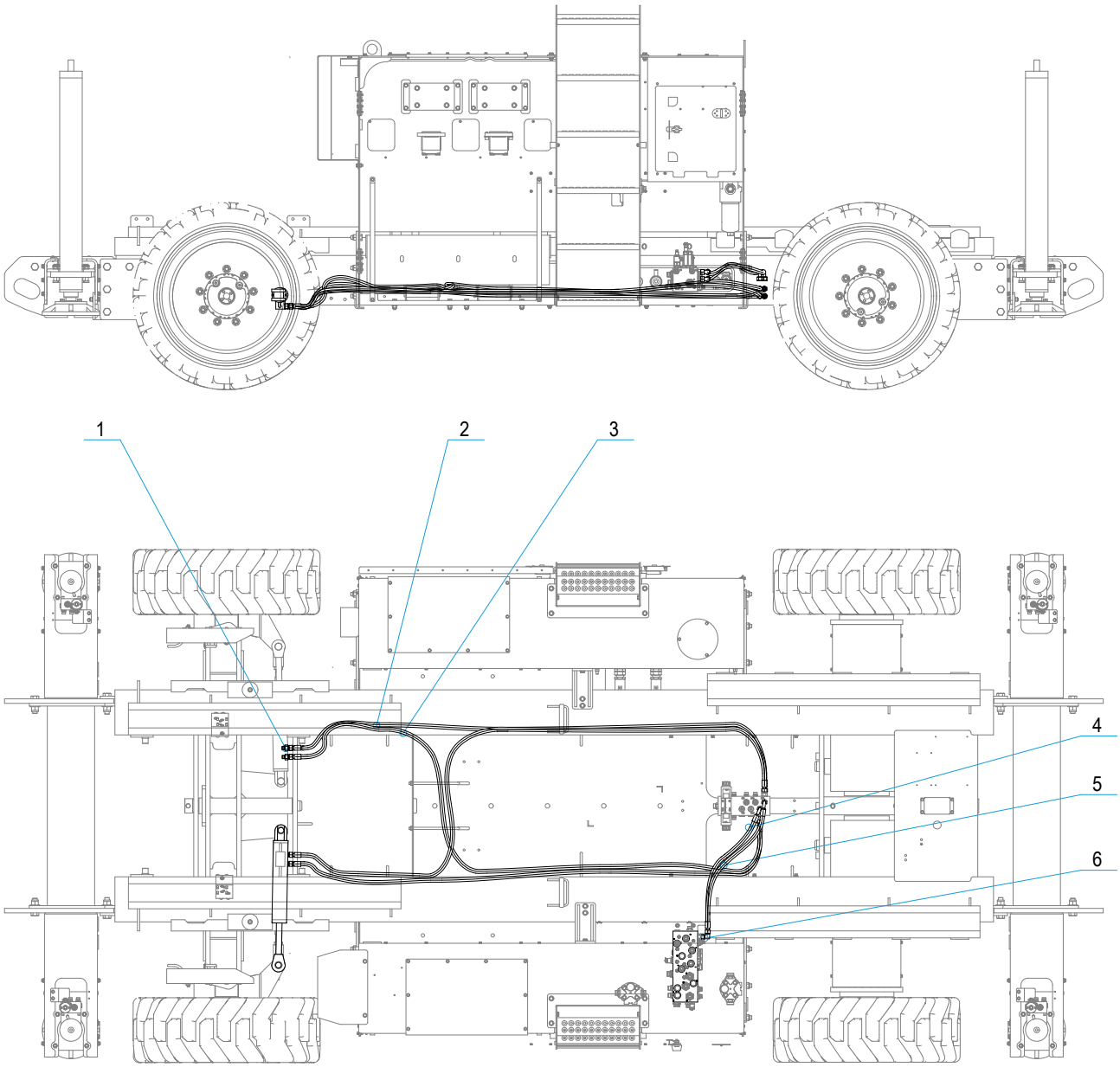
No.	Part No.	Qty.	Description
1	202990003207	2	Counterbalance valve
3	207040003003	2	O-ring

4.2.1.8 Outrigger solenoid manifold (PN.202040003479)



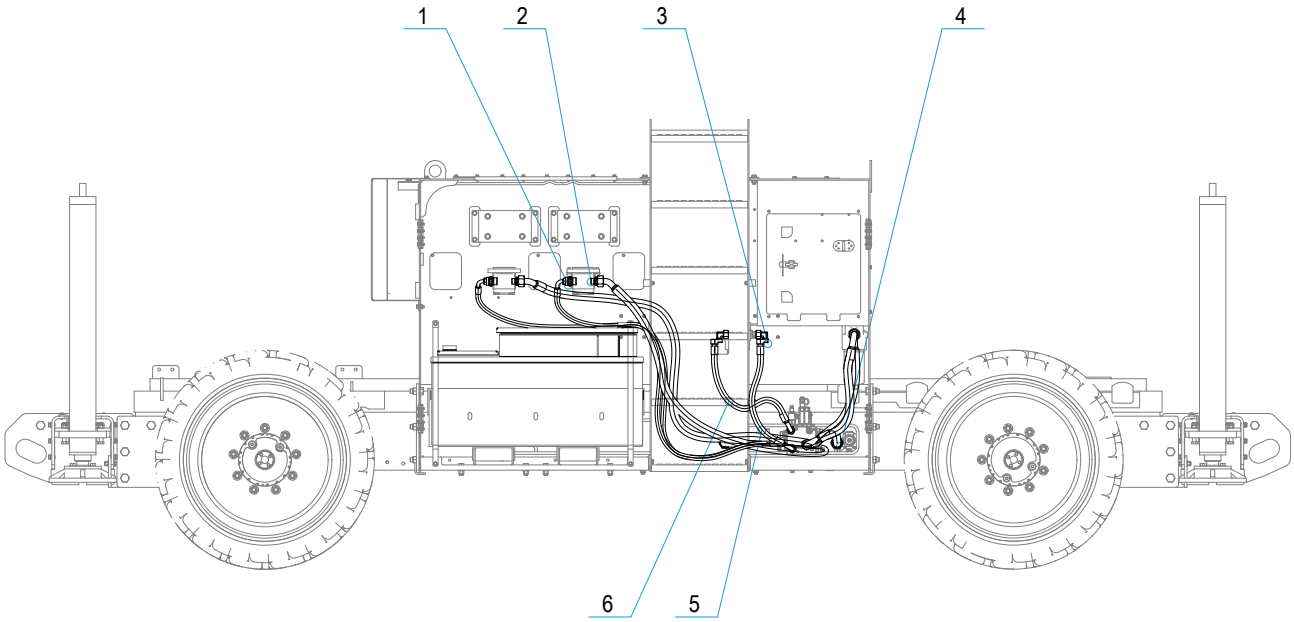
No.	Part No.	Qty.	Description
1	202990003249	1	Counterbalance valve
2	202990003228	1	Solenoid valve
3	202990000035	1	Coil
4	202990003192	1	High pressure piece
5	202130003003	1	Damper
8	207040003003	2	O-ring

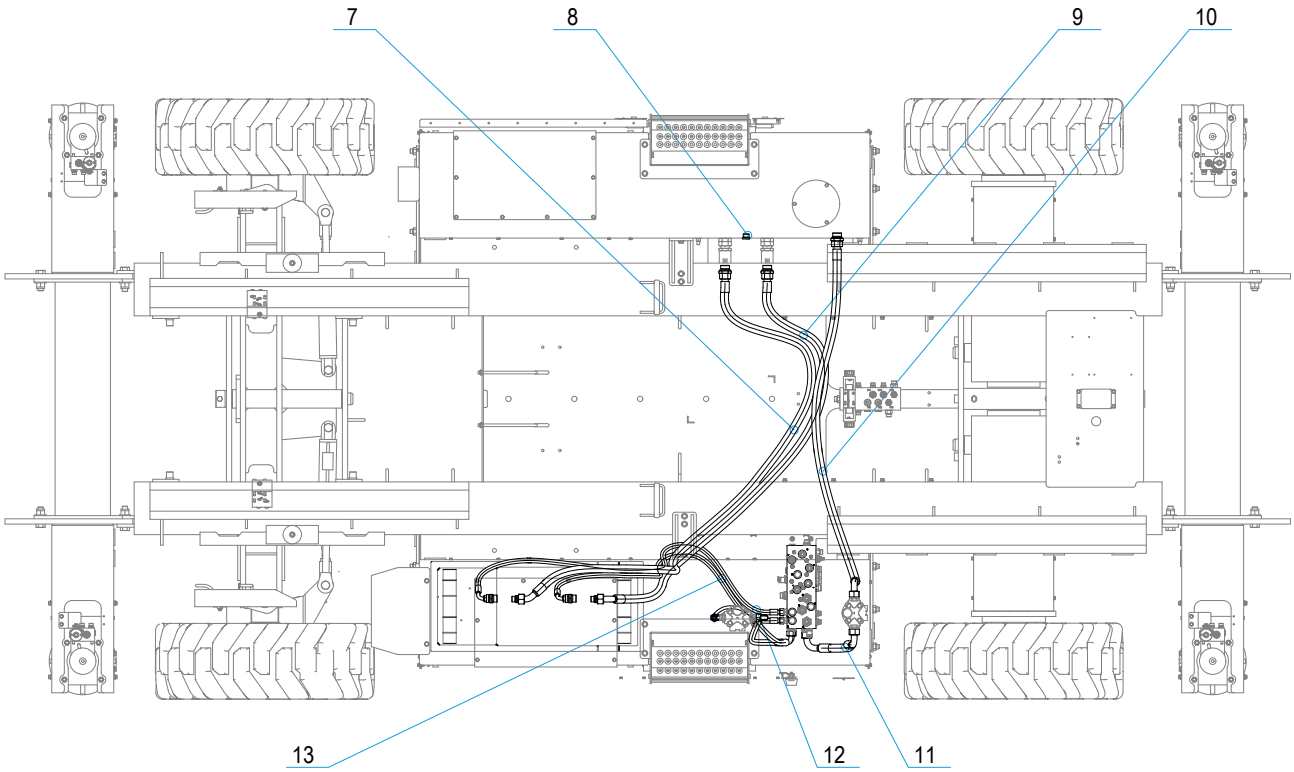
4.2.1.9 Pipe Layout Drawing of Steering



No.	Part No.	Qty.	Description
1	213010000036	4	Coupler
2	213050001325	2	Hose
3	213050000833	2	Hose
4	213050003409	1	Hose
5	213050000283	1	Hose
6	213010000055	2	Coupler

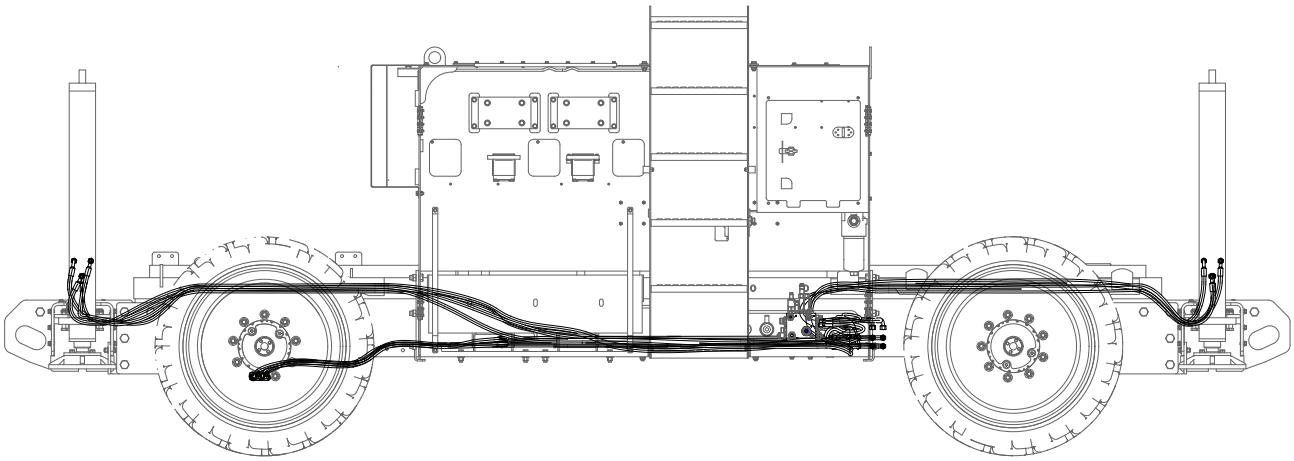
4.2.1.10 Pump Tubes Layout

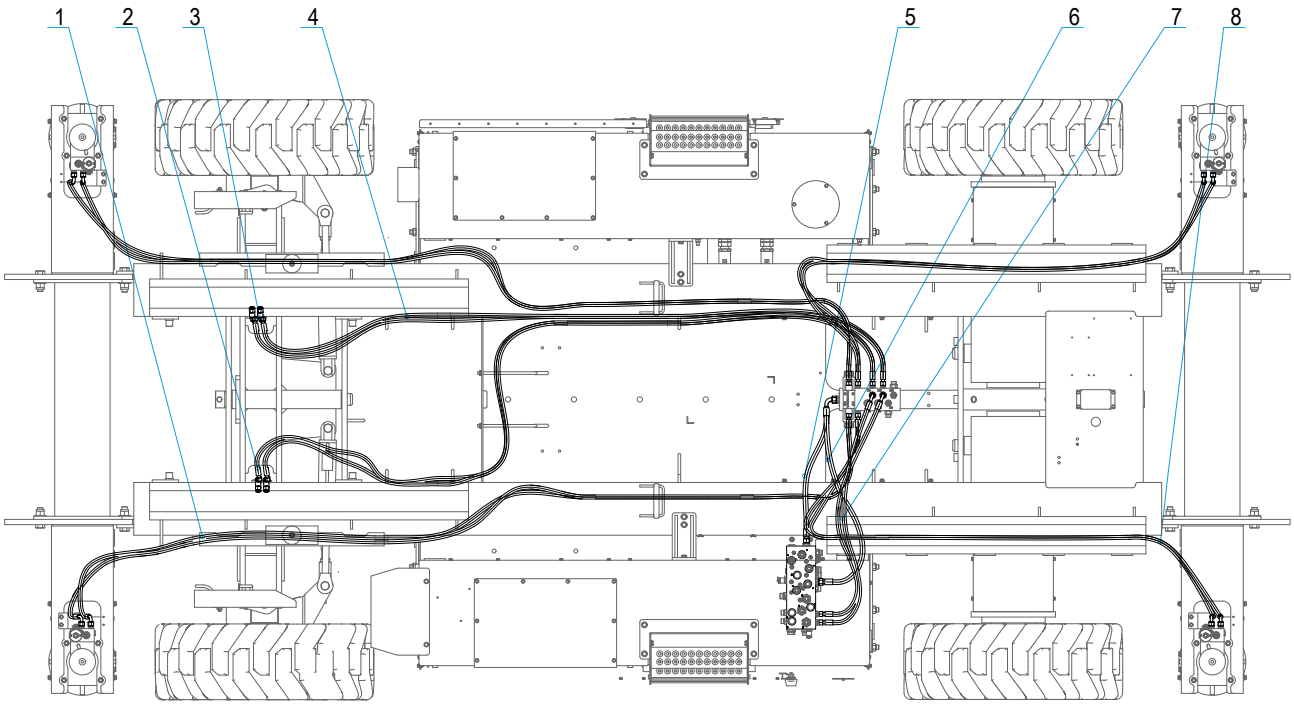




No.	Part No.	Qty.	Description
1	213010000045	2	Coupler
2	213010000038	2	Coupler
3	213010000008	2	Coupler
4	213010000175	3	Coupler
5	213050003001	1	Hose
6	213050001574	1	Hose
7	213050017175	1	Hose
8	213060000004	1	Plug
9	213050003056	1	Hose
10	213050000056	1	Hose
11	213050003758	1	Hose
12	213050001519	1	Hose
13	213050003290	1	Hose

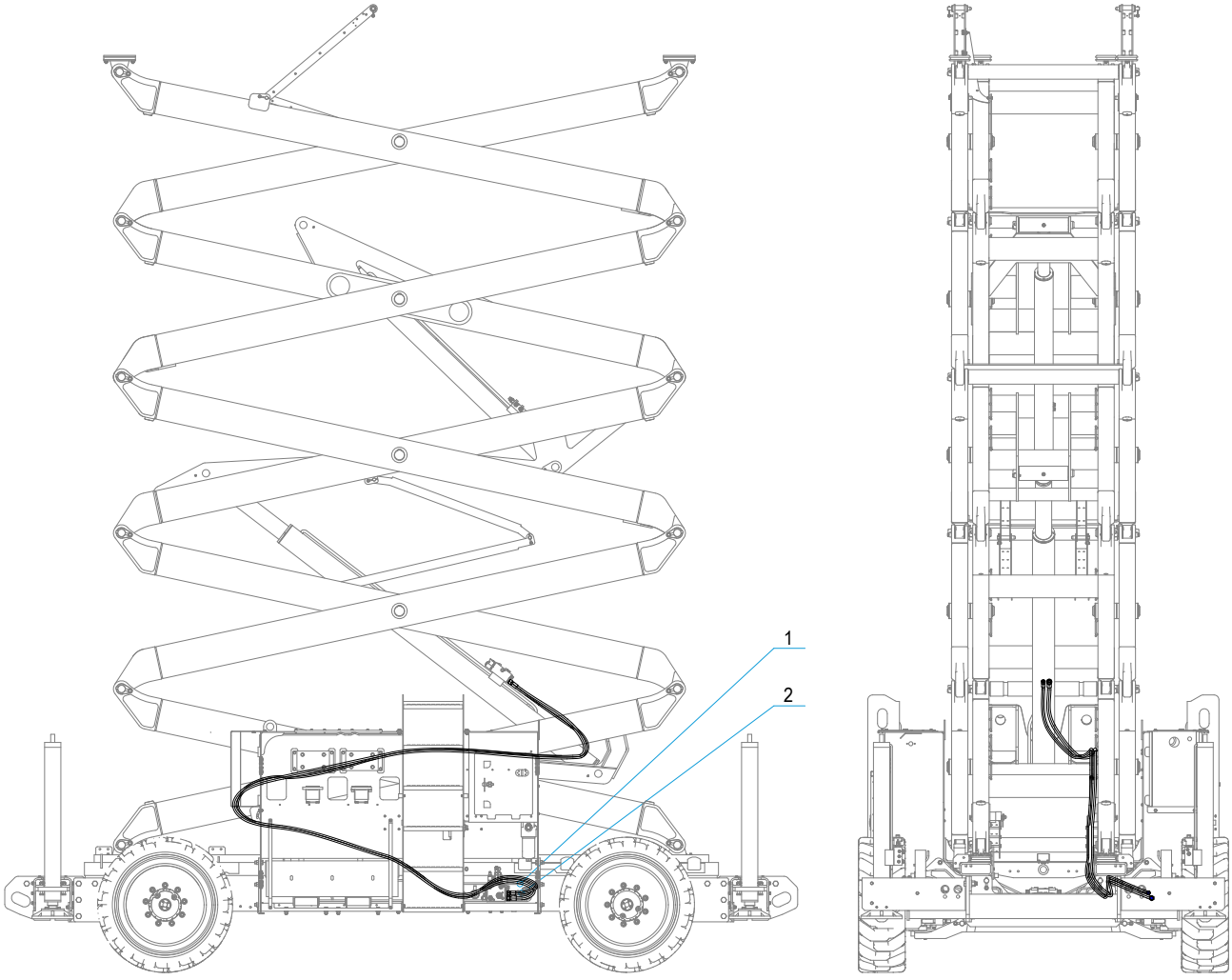
4.2.1.11 Pipe Layout Drawing of Outrigger and Oscillating





No.	Part No.	Qty.	Description
1	213050001311	4	Hose
2	213050000853	2	Hose
3	213010000201	4	Coupler
4	213050000844	2	Hose
5	213050003208	1	Hose
6	213050000408	1	Hose
7	213050000029	2	Hose
8	213050003039	4	Hose

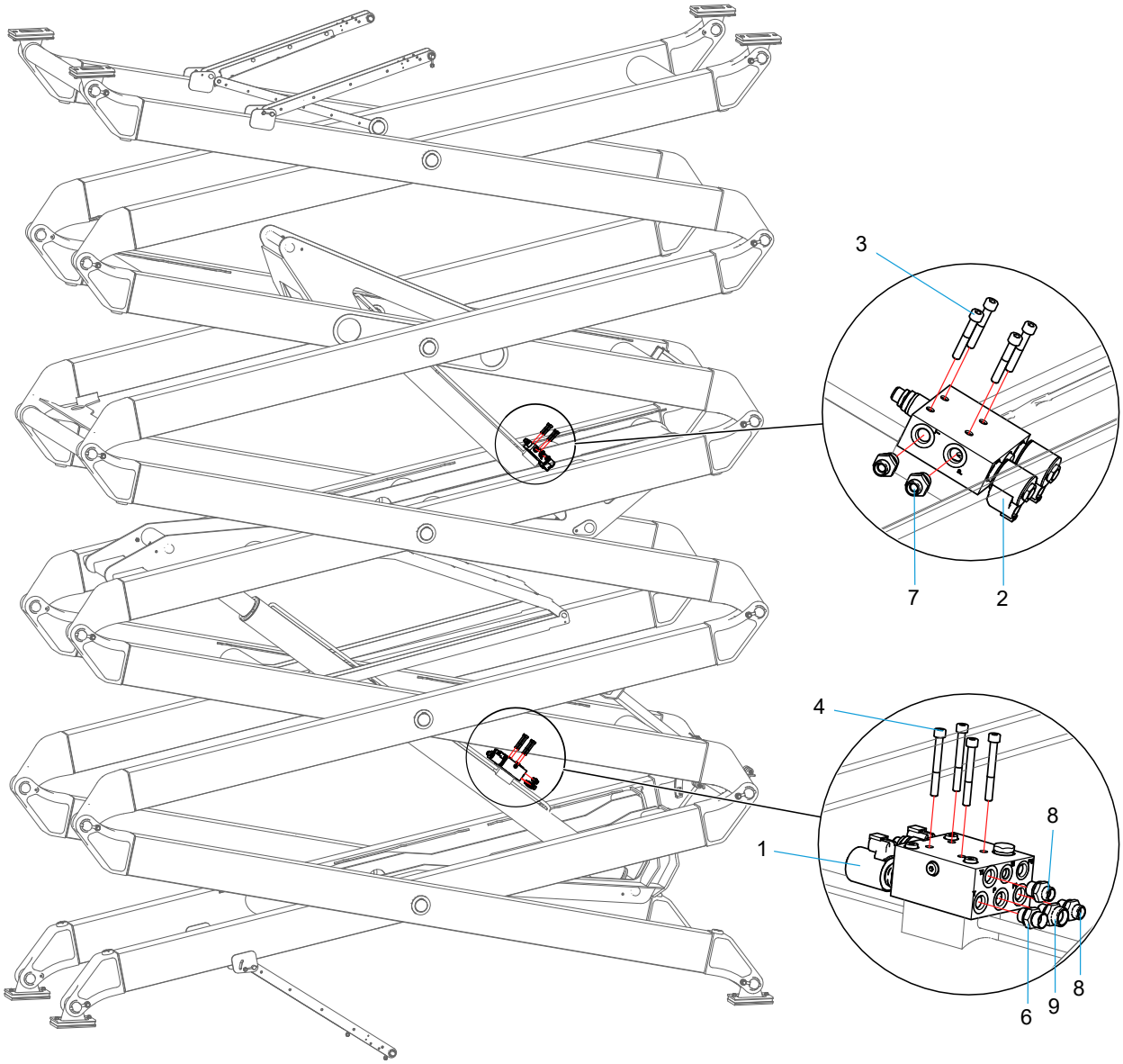
4.2.1.12 Pipe Layout Drawing of Lower Lift



No.	Part No.	Qty.	Description
1	213050000509	1	Hose
2	213050017181	1	Hose

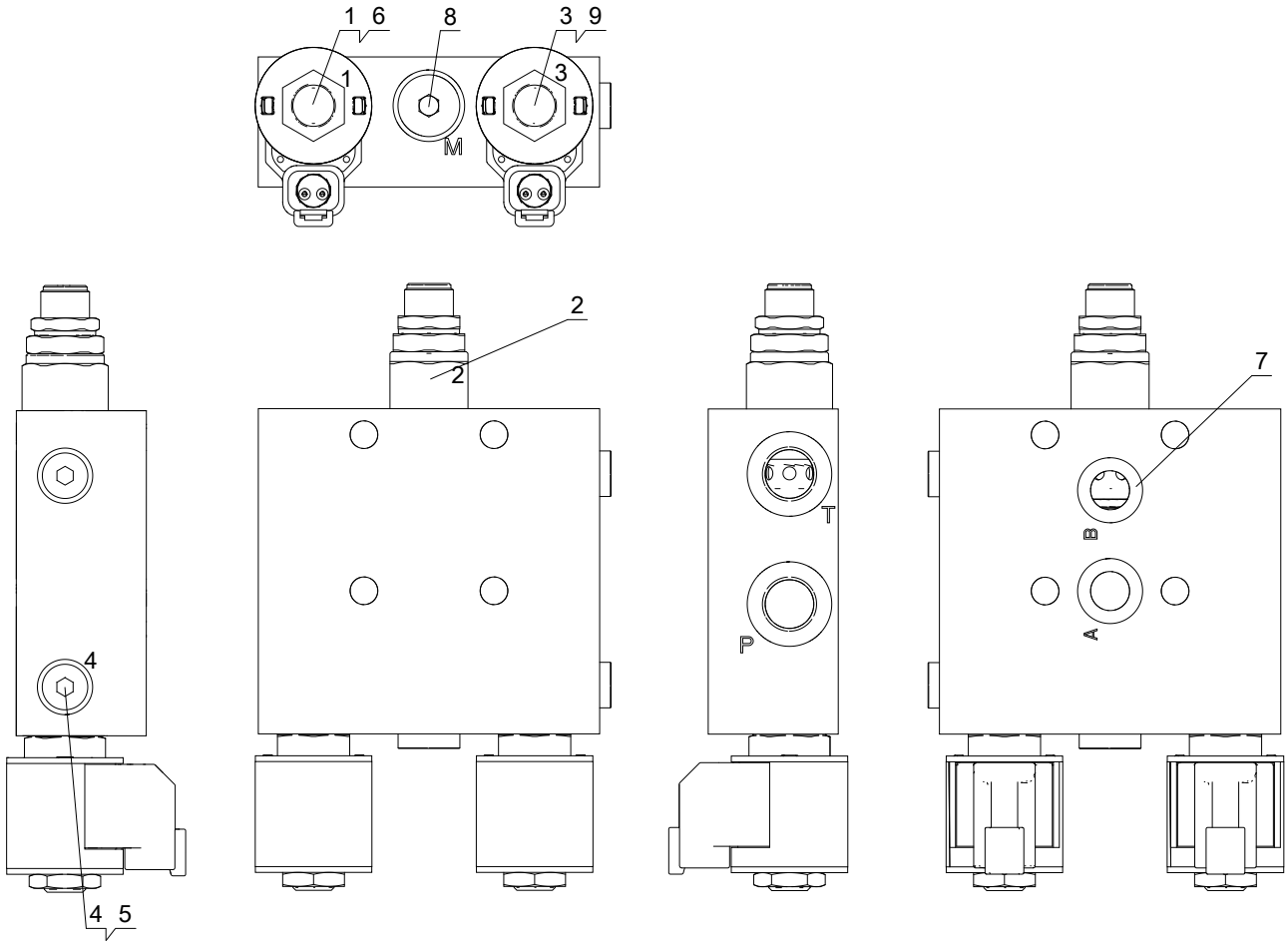
4.2.2 LIFT HYDRAULIC SYSTEM

4.2.2.1 Lift Hydraulic Components Installation-1623



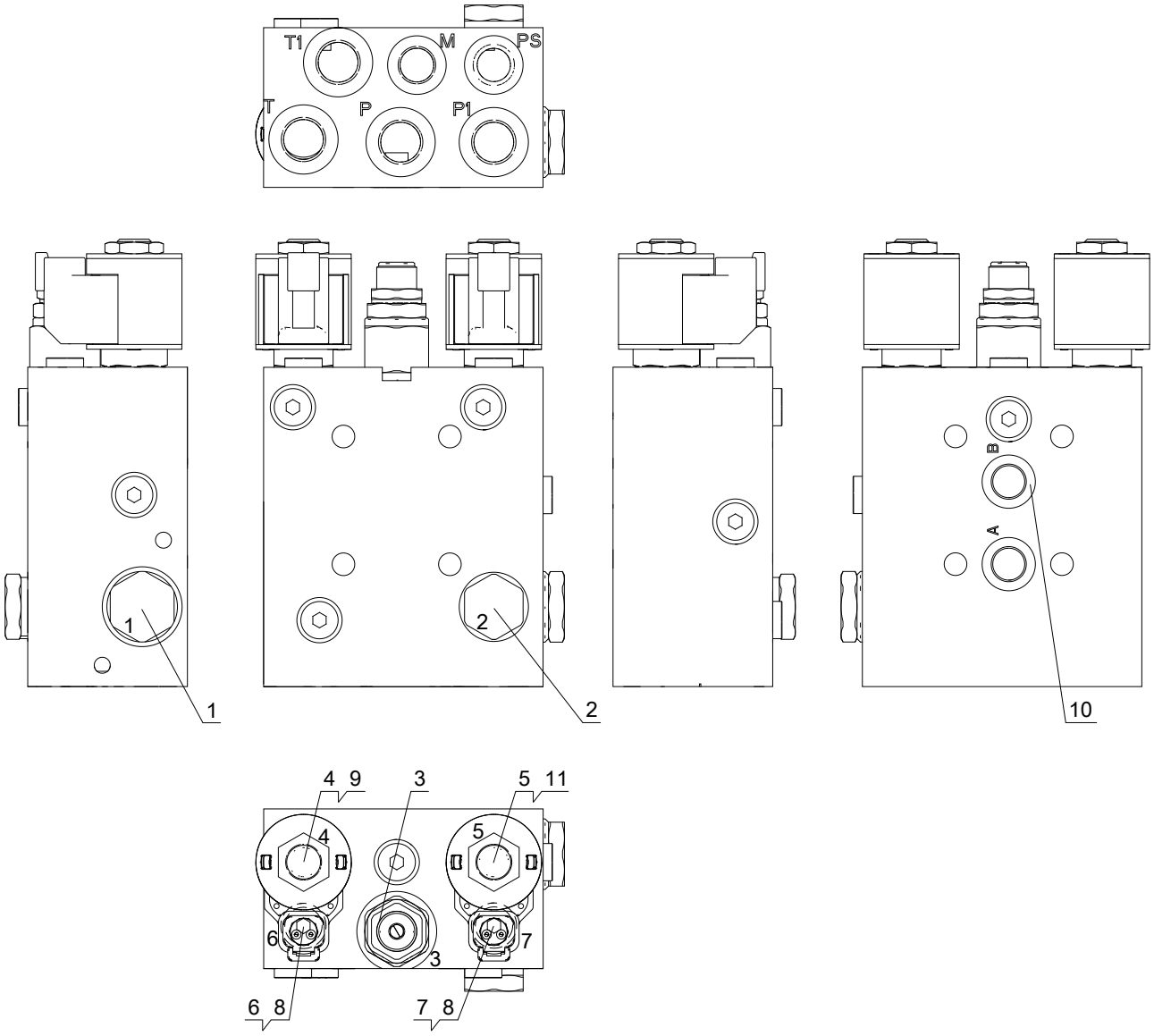
No.	Part No.	Qty.	Description
1	202040003568	1	Lower lift control valve
2	202040003567	1	Upper lift control valve
3	215020000033	4	Screw M8×50-10.9-DKL GB/T 70.1
4	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
6	213010000005	1	Coupler
7	213010000006	2	Coupler
8	213010000006	2	Coupler
9	213010000003	1	Coupler

4.2.2.2 Upper Lift Control Valve (PN.202040003567)



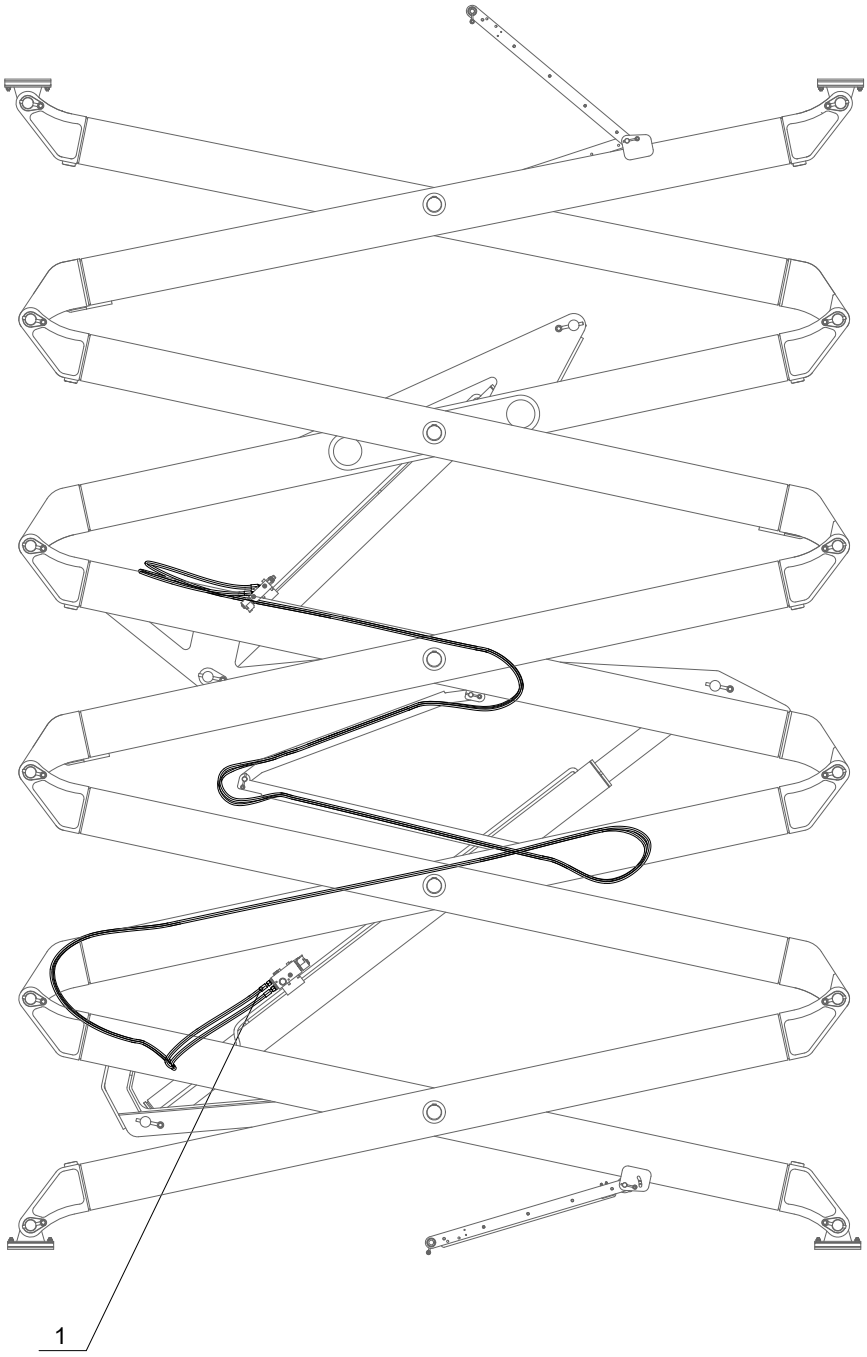
No.	Part No.	Qty.	Description
1	202990003497	1	Solenoid valve
2	202990000028	1	Relief valve
3	202990003496	1	Solenoid valve
4	202130000006	1	Damper plug
6	202990003259	1	Coil
7	207060003005	2	O-ring
9	202990003144	1	Coil

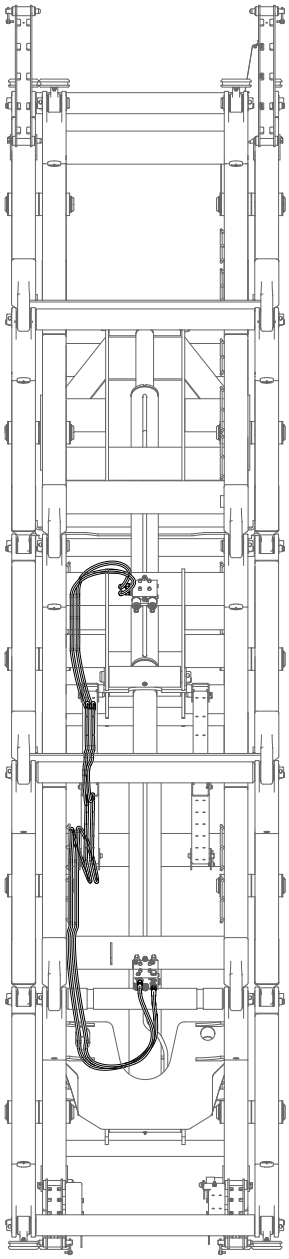
4.2.2.3 Lower Lift Control Valve (PN.202040003568)

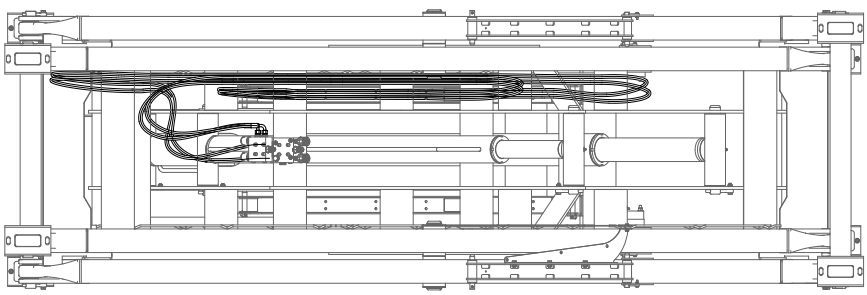


No.	Part No.	Qty.	Description
1	202990003095	1	Check valve
2	202990003071	1	Check valve
3	202990000028	1	Relief valve
4	202990003497	1	Solenoid valve
5	202990003496	1	Solenoid valve
6	202130003026	1	Damper
7	202130000001	1	Damper
9	202990003259	1	Coil
10	207060003005	2	O-ring
11	202990003144	1	Coil

4.2.2.4 Pipe Layout Drawing of Upper Lift-1623







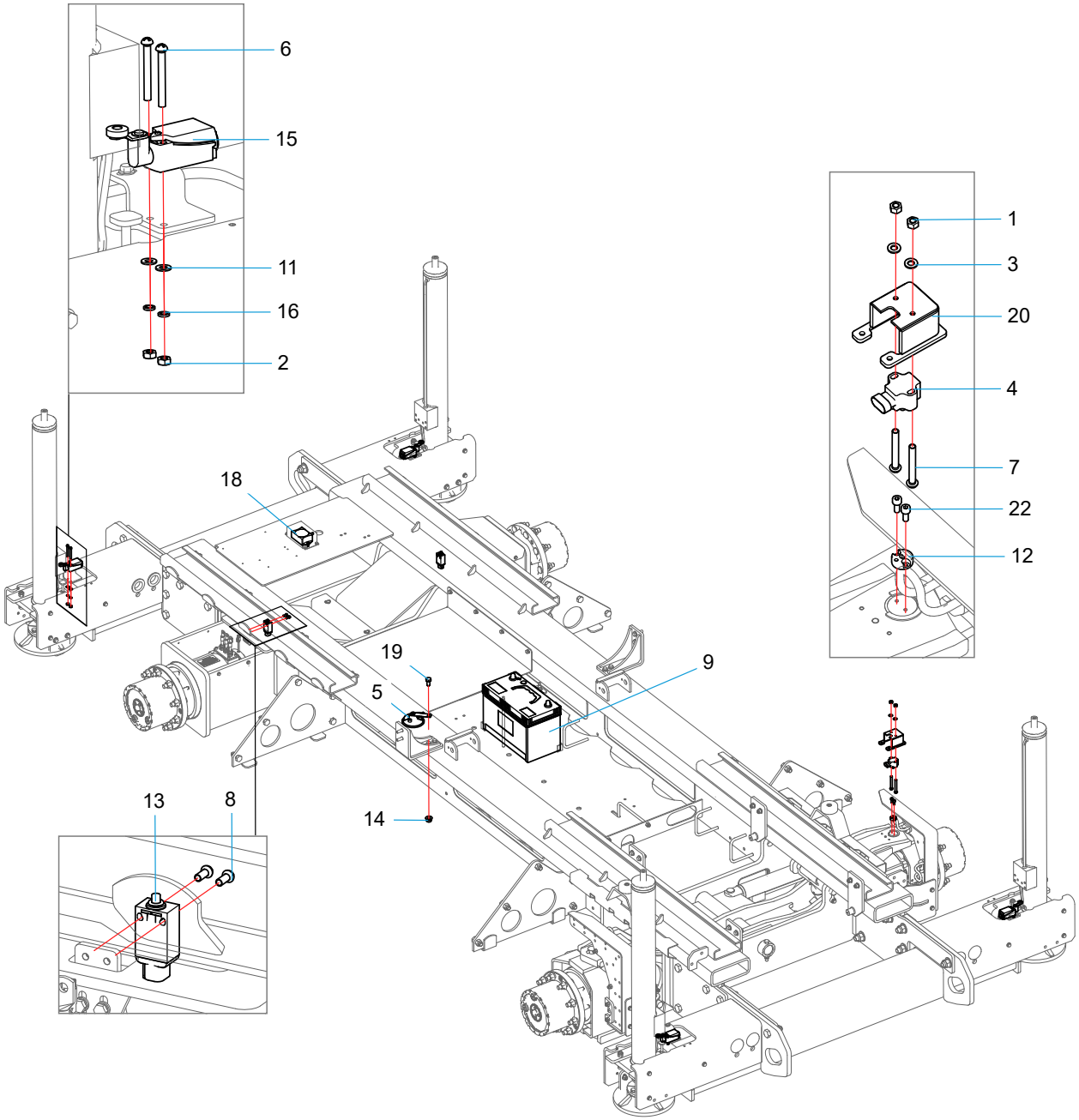
No.	Part No.	Qty.	Description
1	213050003273	2	213050003273

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5 ELECTRICAL SYSTEM

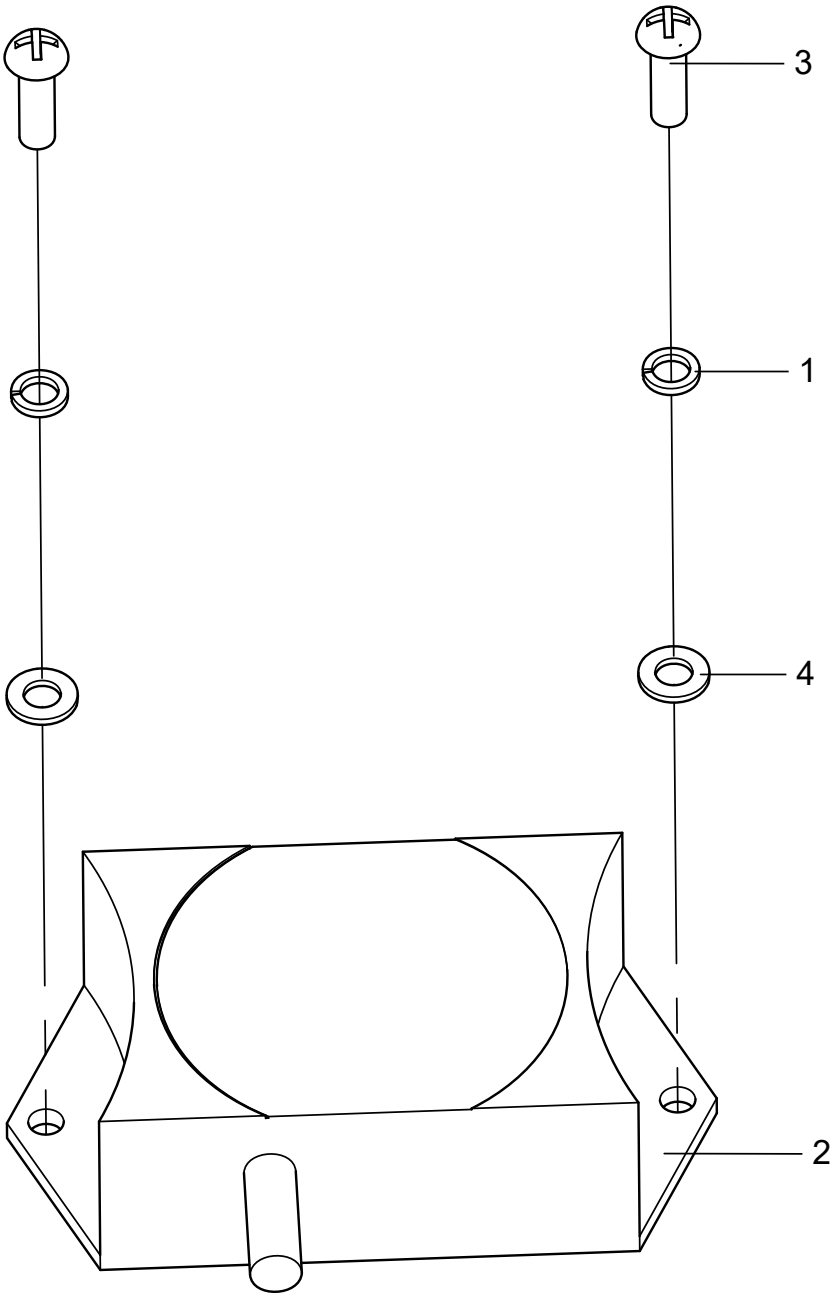
5.1 CHASSIS ELECTRICAL SYSTEM

5.1.1 CHASSIS ELECTRICAL COMPONENTS INSTALLATION



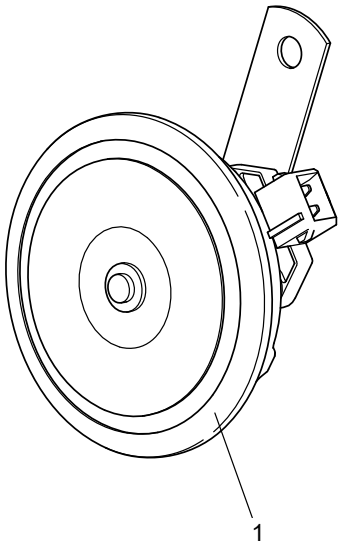
No.	Part No.	Qty.	Description
1	215030000003	2	Nut M5-A2-70 GB/T 6170
2	215030000002	8	Nut M4-8-A2-70 GB/T 6170
3	215040000032	2	Washer 5-A2 GB/T 97.1
4	203150000046	1	Angle sensor
5	114012063086		Horn option(See details)
6	215020000212	8	Screw M4×35-A2-70 GB/T 818
7	215020000215	2	Screw M5×40-A2-70 GB/T 818
8	215020000104	4	Screw M4×10-A2-70 GB/T 818
9	203100000061	1	Maintenance-free battery
10	203100000051	1	Sheath, flexible (L, black)(Not shown)
11	215040000031	8	Washer 4-A2 GB/T 97.1
12	101016010062	1	Flange
13	203060000144	2	Travel switch
14	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
15	203060003036	4	Travel switch
16	215040000002	8	Washer 4-A2-70 GB/T 93
17	203100000053	1	Sheath, flexible (L, red)(Not shown)
18	102010063011		Level sensor installation(See details)
19	215010000056	1	Bolt M8×16-8.8-ZnD GB/T 5783
20	115006033647	1	Protective cover
21	203080000250	1	Battery connector (positive and negative in pairs)(Not shown)
22	215020000001	2	Screw M4×10-A2-70 GB/T 70.1

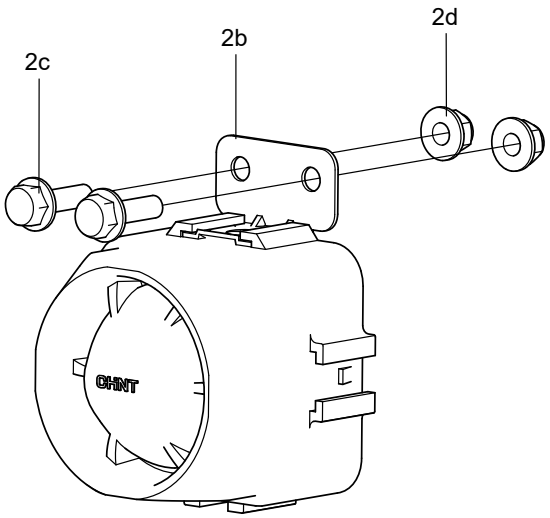
5.1.2 LEVEL SENSOR INSTALLATION



No.	Part No.	Qty.	Description
1	215040000003	2	Washer 5-A2-70 GB/T 93
2	203060003037	1	Dual axis level sensor
3	215020000111	2	Screw M5×16-A2-70 GB/T 818
4	215040000032	2	Washer 5-A2 GB/T 97.1

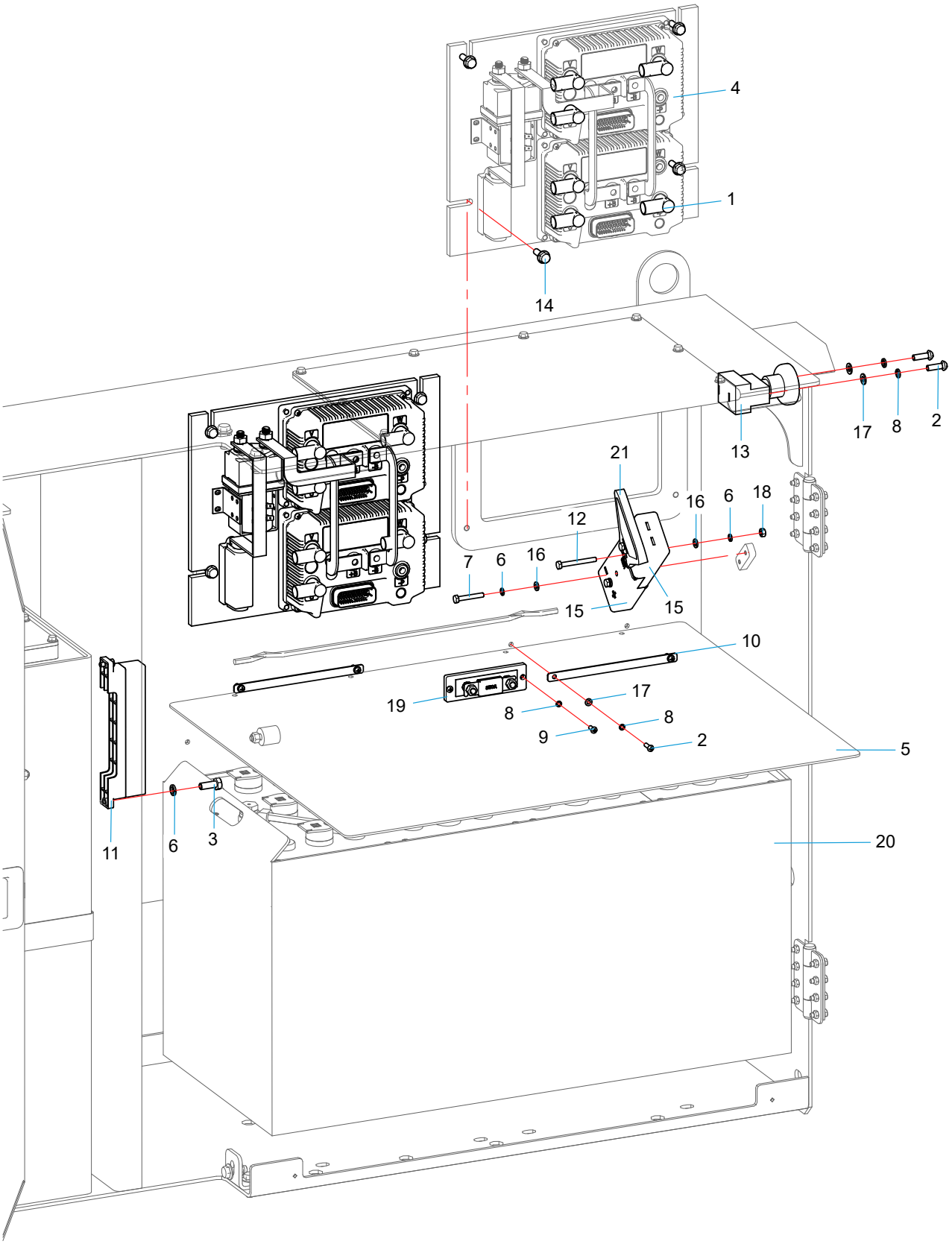
5.1.3 HORN OPTIONS





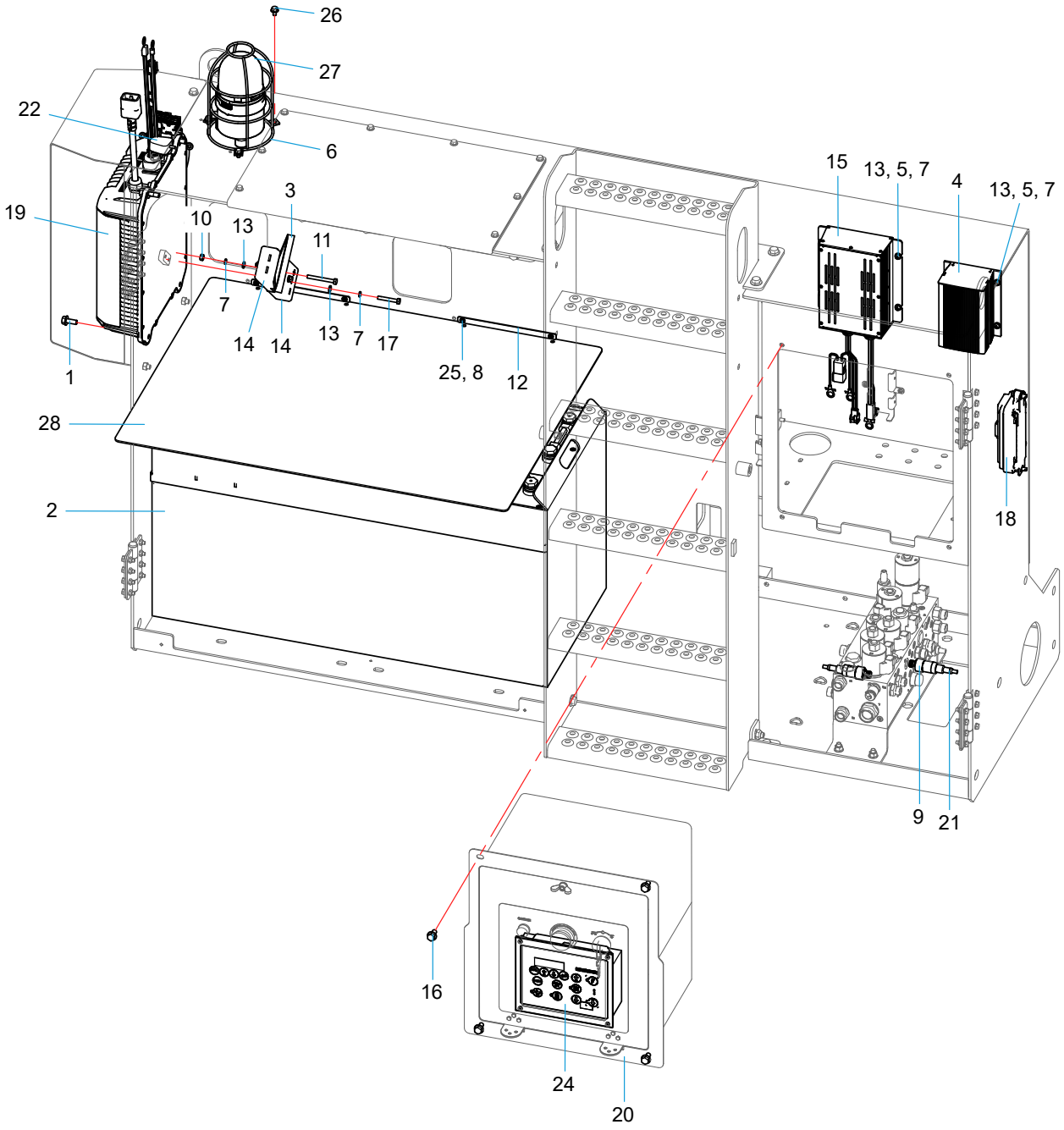
No.	Part No.	Qty.	Description
1	203050000034	1	Horn
2	114006063072	1	White noise horn installation
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-8-ZnD GB/T 6183.1

5.1.4 RIGHT DOOR ELECTRICAL COMPONENTS INSTALLATION



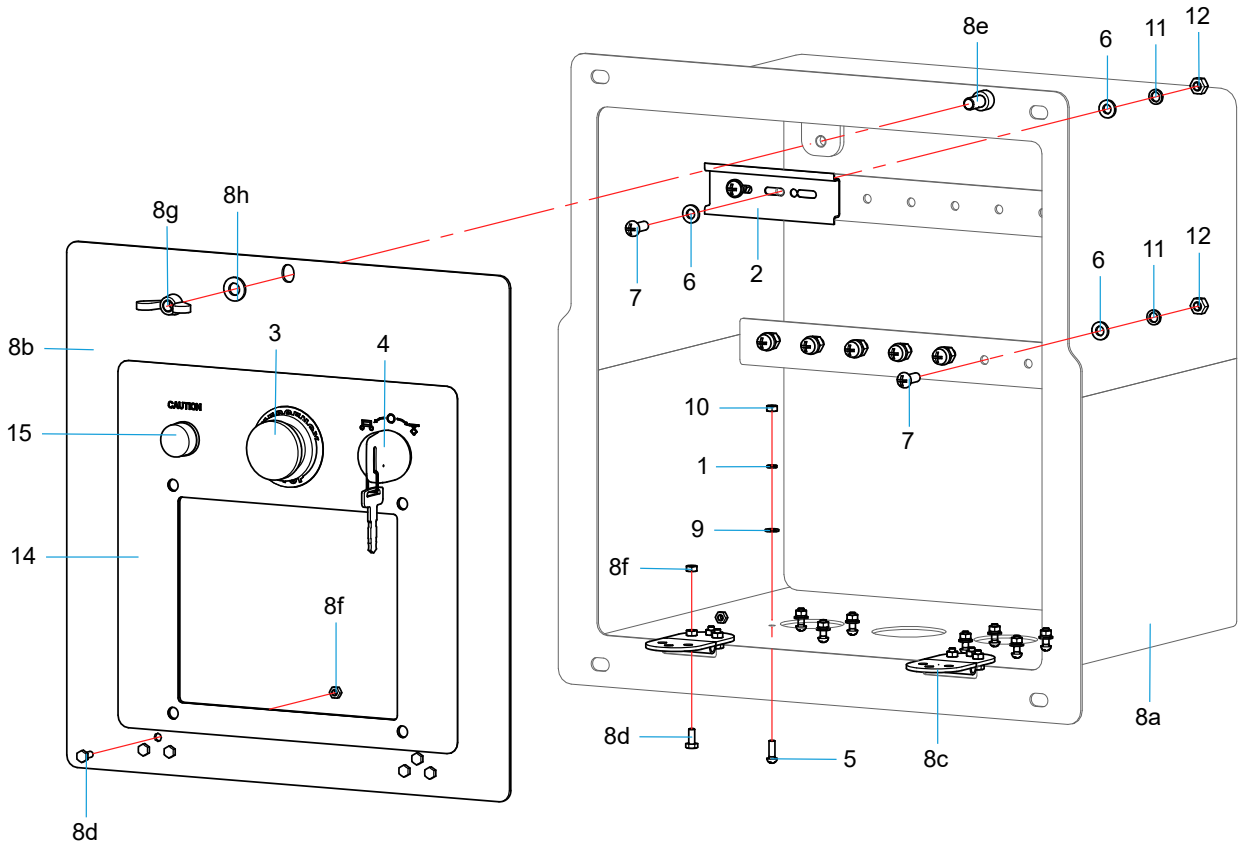
No.	Part No.	Qty.	Description
1	203080000004	12	PVC sheath
2	215020000111	6	Screw M5×16-A2-70 GB/T 818
3	215010000050	2	Bolt M6×16-A2-70 GB/T 5783
4	203020003018	2	Motor controller
5	115006033690	1	Waterproof plate
6	215040000004	6	Washer 6-A2-70 GB/T 93
7	215010000054	2	Bolt M6×40-A2-70 GB/T 5783
8	215040000003	8	Washer 5-A2-70 GB/T 93
9	215020000110	2	Screw M5×12-A2-70 GB/T 818
10	115006033643	2	Hold-down plate
11	203080003028	1	Copper bus bar
12	215010000205	2	Bolt M6×55-A2-70 GB/T5783
13	115006063089		Power switch option
13-1	203060003033	1	Power switch(SC: 1000077)
13-2	203060003167	1	Power switch(SC: 1000200)
14	215010000235	8	Bolt M8×25-8.8-ZnD GB/T 5789
15	203080003134	2	Power plug
16	215040000033	4	Washer 6-A2 GB/T 97.1
17	215040000032	6	Washer 5-A2 GB/T 97.1
18	215030000004	2	Nut M6-A2-70 GB/T 6170
19	203070003028	1	Fuse holder assembly
20	115008060018		Options,Battery of right door
20-1	203100003008	1	Storage battery(Lead-acid battery)
20-2	203100003226	1	Lithium battery(secondary box)
21	203080003135	1	Power plug handle

5.1.5 LEFT DOOR ELECTRICAL COMPONENTS INSTALLATION



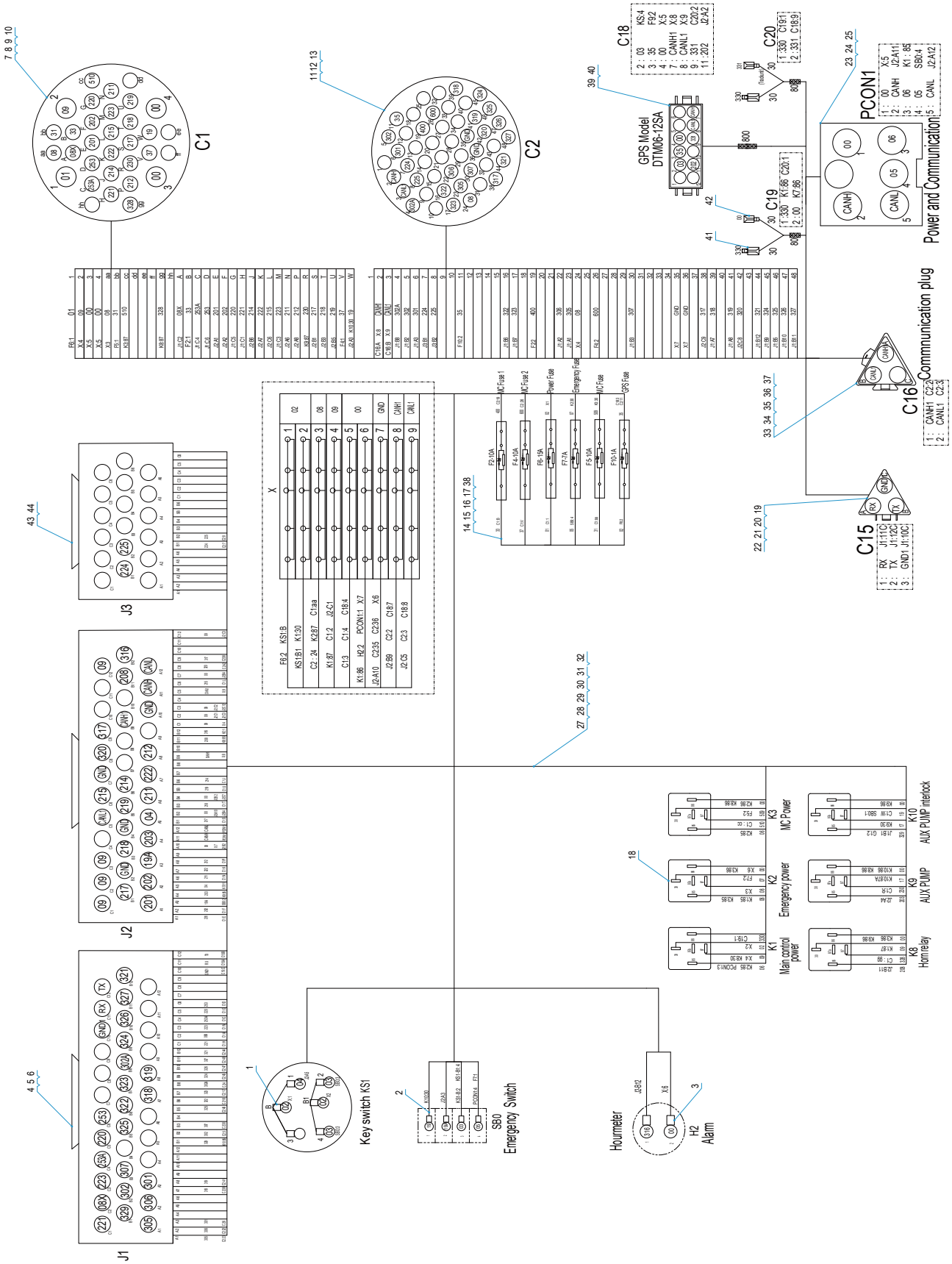
No.	Part No.	Qty.	Description
1	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
2	115008060019		Options,Battery of left door
2-1	203100003008	1	Storage battery(Lead-acid battery)
2-2	203100003225	1	Lithium battery(main box)
3	203080003135	1	Power plug handle
4	203190000002	1	DC/DC converter
5	215020000116	8	Screw M6×16-A2-70 GB/T 818
6	105021060024	1	Guard, light (warning)
7	215040000004	12	Washer 6-A2-70 GB/T 93
8	215040000032	4	Washer 5-A2 GB/T 97.1
9	203150000055	2	Pressure sensor
10	215030000004	2	Nut M6-A2-70 GB/T 6170
11	215010000205	2	Bolt M6×55-A2-70 GB/T5783
12	115006033643	2	Hold-down plate
13	215040000033	12	Washer 6-A2 GB/T 97.1
14	203080003134	2	Power plug
15	203190003007	1	DC/DC converter
16	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
17	215010000054	2	Bolt M6×40-A2-70 GB/T 5783
18	103006063020		Options, GPS installation(See details)
19	115008060025		OPT, INST (charger)(See details)
20	115008060005		INST,box (ELEC control,1623RE-2)(See details)
21	203080003094	2	Plug with cable
22	103008063052		Charger cord and plug options(See details)
23	215020000111	4	Screw M5×16-A2-70 GB/T 818
24	102010063010		Options, Main controller(See details)
25	215040000003	4	Washer 5-A2-70 GB/T 93
26	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
27	114012063080		Caution light option(See details)
28	115006033690	1	Waterproof plate

5.1.6 ELECTRIC CONTROL BOX INSTALLATION



No.	Part No.	Qty.	Description
1	215040000002	8	Washer 4-A2-70 GB/T 93
2	203990000001	1	Guide rail
3	203060000142	1	Switch, emergency stop
4	203060000001	1	Key switch
5	215020000105	8	Screw M4×12-A2-70 GB/T 818
6	215040000033	10	Washer 6-A2 GB/T 97.1
7	215020000116	8	Screw M6×16-A2-70 GB/T 818
8	102015033063		Control box installation
8a	102015033058	1	Box, control
8b	102015033061	1	Plate
8c	209050000005	2	Hinge
8d	215010000038	12	Bolt M4×10-A2-70 GB/T 5783
8e	215020000022	1	Screw M8×16-8.8-ZnD GB/T 70.1
8f	215030000002	12	Nut M4-8-A2-70 GB/T 6170
8g	215030000086	1	Nut M8-8-ZnD GB/T62
8h	215040000034	1	Washer 8-200HV-ZnD GB/T 97.1
9	215040000031	8	Washer 4-A2 GB/T 97.1
10	215030000002	8	Nut M4-8-A2-70 GB/T 6170
11	215040000004	8	Washer 6-A2-70 GB/T 93
12	215030000004	8	Nut M6-A2-70 GB/T 6170
13	115008060002	1	INST,wiring (ELEC control box,1623RE-2)(Not shown, see details)
14	102015063008	1	Electric box mask
15	203050000005	1	Buzzer

5.1.7 ELECTRIC CONTROL BOX WIRING ASSEMBLY (PN.115008060002)



No.	Part No.	Qty.	Description
1	203080000039	5	Ring tongue terminal
2	203080000036	3	Cold-pressed terminal
3	203080000023	2	Ring tongue terminal
4	203080000027	2	AMP connector
5	203080000171	5	AMP Connector lock
6	203080000014	54	AMP Terminal
7	203080000149	1	Flange connector socket
8	203080000147	3	30A male pin
9	203080000154	2	Waterproof gasket
10	203080000138	1	Locating piece
11	203080000151	1	48-pin connector socket
12	203080000141	50	Male pin
13	203080000153	1	Locating piece
14	203070000041	1	Fuse
15	203070000018	2	Plug-in fuse
16	203070000008	1	Plug-in fuse
17	203070000006	8	Terminal
18	203040003039	6	Relay
19	203080000012	1	Sheath
20	203080000032	1	Lock
21	203080000041	10	Female connector
22	203080000473	1	Waterproof cover
23	203080000348	1	Connector
24	203080000354	1	Cover
25	203080000355	5	Socket
26	203080000350	1	Connector
27	203080000248	6	Cable
28	203080000308	3	Cable
29	203080000307	1	Cable
30	203080000196	5	Cable
31	203080000047	2	Cable
32	203080003050	1	5-pin cable
33	203080000086	1	Connector
34	203080000405	1	Sheath
35	203080000046	1	Lock
36	203080000033	2	Male connector
37	203080000068	1	Blind plug
38	203070003006	1	Plug-in fuse
39	203080003532	1	Sheath

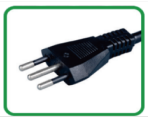
 © Jun. 2024

No.	Part No.	Qty.	Description
40	203080003533	1	Lock
41	203080000652	2	Insert spring
42	203080000651	1	Male tab
43	203080004099	1	Sheath
44	203080004101	1	Lock piece

5.1.8 CHARGER INSTALLATION OPTIONS

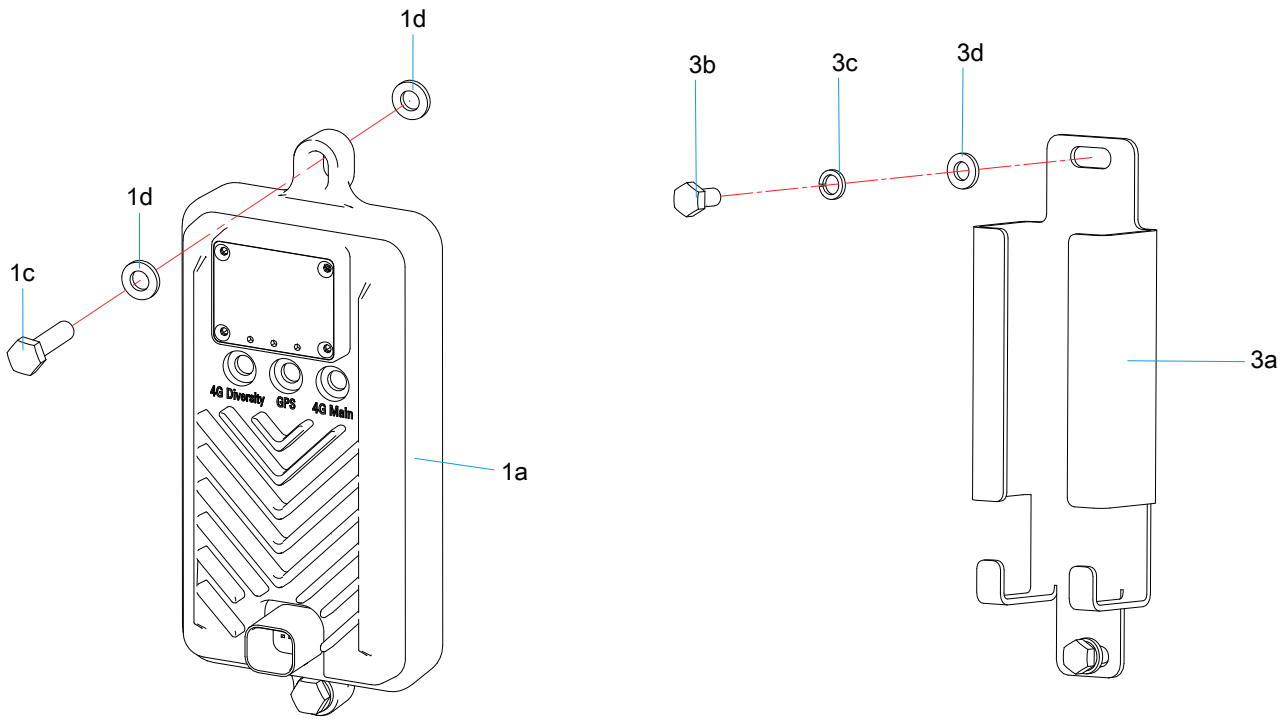
No.	Part No.	Qty.	Description
1	115008060027		INST,charger
1a	203060003189	1	ASSY,key switch
1b	203100003271	1	Charger(SC: 1000853, TBA-48100, China)
2	115008060026		INST,charger
2a	203060003189	1	ASSY,key switch
2b	203100003270	1	Charger(SC: 1000853, TBA-48100, except China)
3	203100003044	1	Charger(SC: 1000170)
4	203100003269	1	Charger(SC: 1000853, TBA-4846)

5.1.9 CHARGER PLUG OPTIONS

						
B	E+F	G	H	I (AS)	I (China)	I (Argentina)
						
J	L	M	N			

No.	Part No.	Qty.	Description
	103008063052		Charger cord and plug options
1	203080003097	1	Cable, plug (charger)(Type M,Macao specs)
2	203080003096	1	Cable, plug (charger)(Type L, South America specs)
3	203080003100	1	Cable, plug (charger)(Type J, Swiss specs)
4	203080003098	1	Cable, plug (charger)(Type B, America and South America specs)
5	203080003102	1	Cable, plug (charger)(Type G,HongKong and Middle East specs)
6	203080003099	1	Cable, plug (charger)(Type E+F , European and Brazilian specs)
7	203080003101	1	Cable, plug (charger)(Type I, China and Australian specs)
8	203080003965	1	Cable, plug (charger)(Type H, Israel)
9	203080004020	1	Cable, plug (charger)(Type N, Brazil)
10	203080004021	1	Cable, plug (charger)(Type I, China)
11	203080004022	1	Cable, plug (charger)(Type I, Argentina)

5.1.10 GPS INSTALLATION OPTIONS



No.	Part No.	Qty.	Description
1	103006063019		GPS installation(SC：1000577, for Rootcloud GPS)
1a	203150003021	1	GPS module
1b	203150003022	1	GPS/LTE antenna(Not shown)
1c	215010003054	2	M6×25-4.8-PA66 GB/T 5783
1d	215040003034	4	Washer M6
2	105055063004		GPS installation(For Hornet GPS)
2a	105055063003	1	Cable, adapter (Huatie)(Not shown)
2b	203990003077	1	Hornet T-BOX(Not shown)
3	103010063095		INST, GPS (Trackunit)
3a	105071020002	1	Plate
3b	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
3c	215040000004	2	Washer 6-A2-70 GB/T 93
3d	215040000033	2	Washer 6-A2 GB/T 97.1

5.1.11 MAIN CONTROLLER OPTIONS

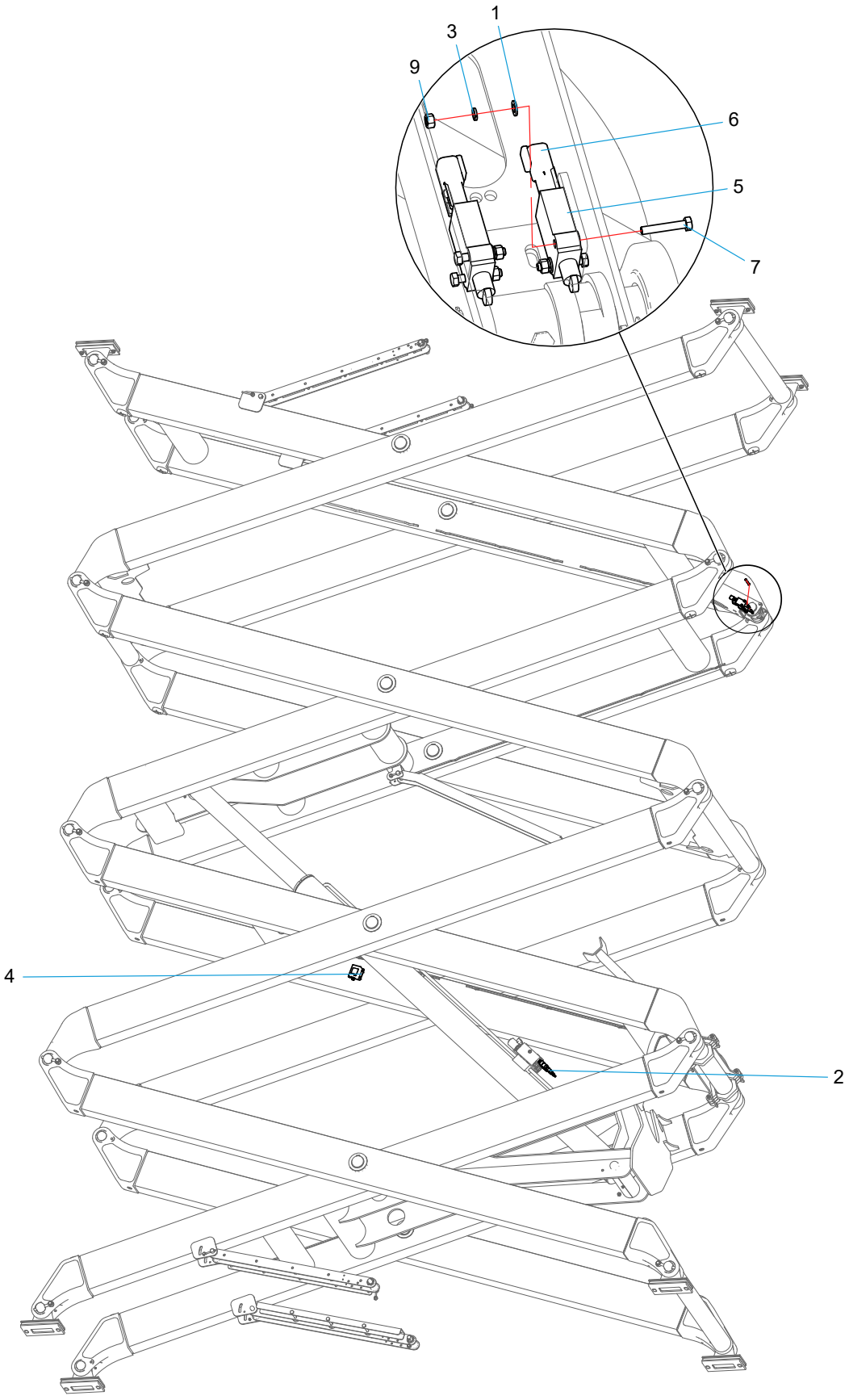
No.	Part No.	Qty.	Description
	102010063010		Options, Main controller
1	203020000033	1	Main controller(DTC-K100)
2	203020003041	1	Electronic control unit(SINOBOOM)
3	203020003019	1	Main controller(DTC-K110)
4	203020003135	1	Main controller(DTC-K120)

5.1.12 CAUTION LIGHT OPTIONS

No.	Part No.	Qty.	Description
	114012063080		Caution light option
1	203050003057	1	Caution light(Volume adjustable)
2	203050003017	1	Caution light(Fixed volume)

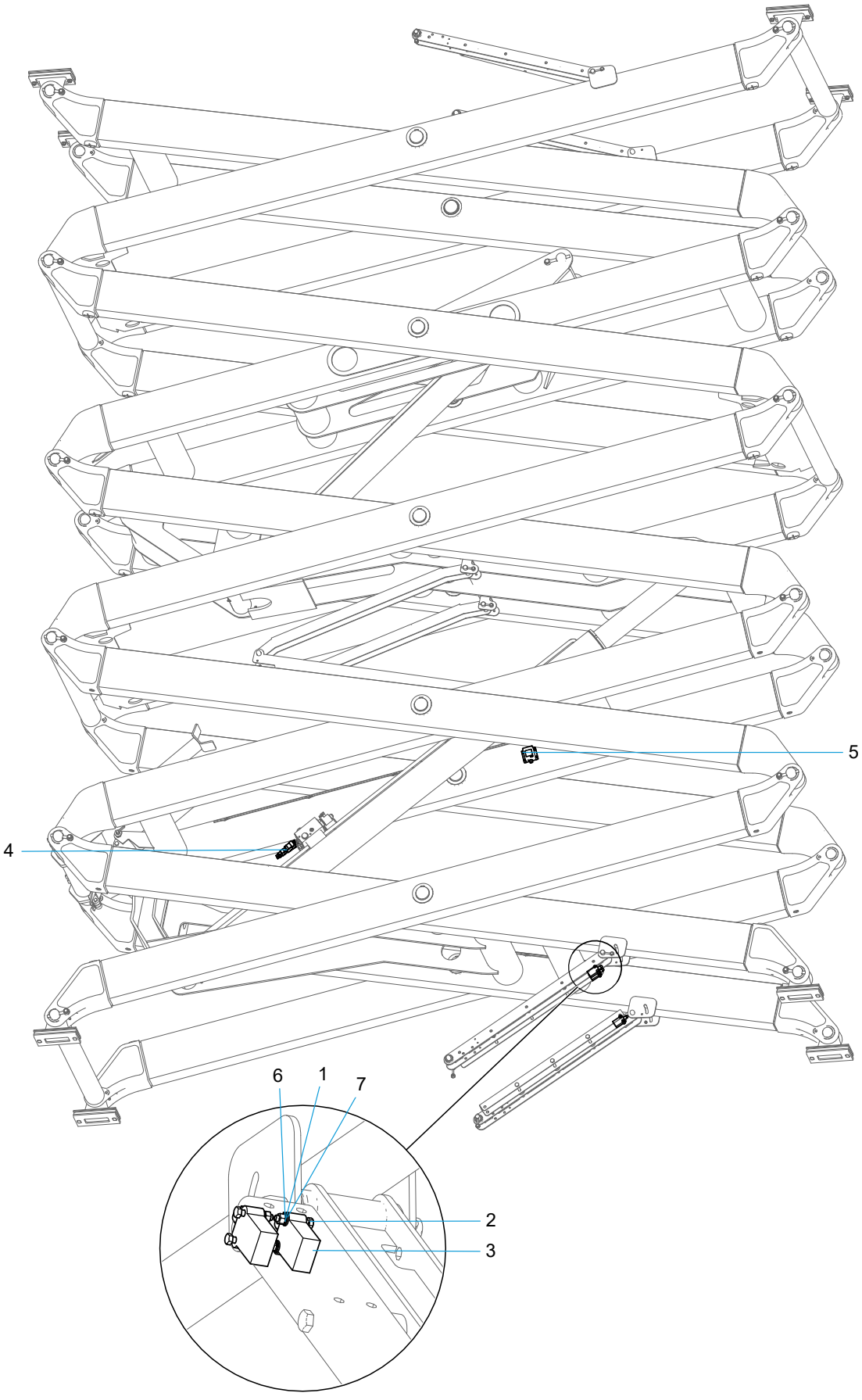
5.2 SCISSOR ELECTRICAL SYSTEM

5.2.1 SCISSOR ELECTRICAL COMPONENTS INSTALLATION -1323RE



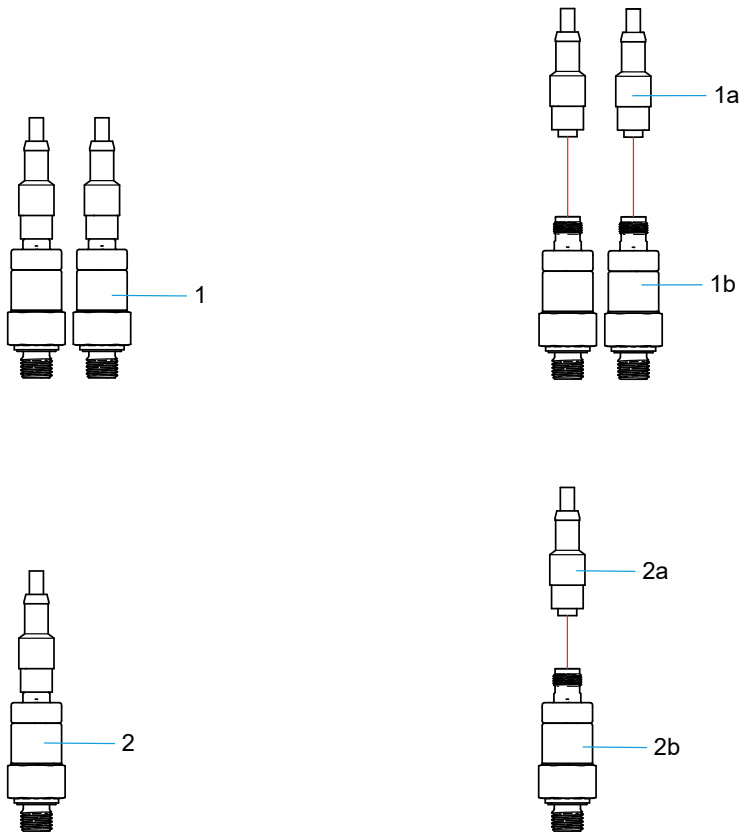
No.	Part No.	Qty.	Description
1	215040000032	4	Washer 5-A2 GB/T 97.1
2	116003063054		Options, Pressure sensor(See, details)
3	215040000003	4	Washer 5-A2-70 GB/T 93
4	102010063012		Angle sensor installation(See, details)
5	203060000112	2	Travel switch
6	203080000011	2	Sheath
7	215010000045	4	Bolt M5×30-A2-70 GB/T 5783
8	203080000021	2	Lock(Not shown)
9	215030000003	4	Nut M5-A2-70 GB/T 6170
10	203080000033	4	Male connector(Not shown)

5.2.2 SCISSOR ELECTRICAL COMPONENTS INSTALLATION -1623RE



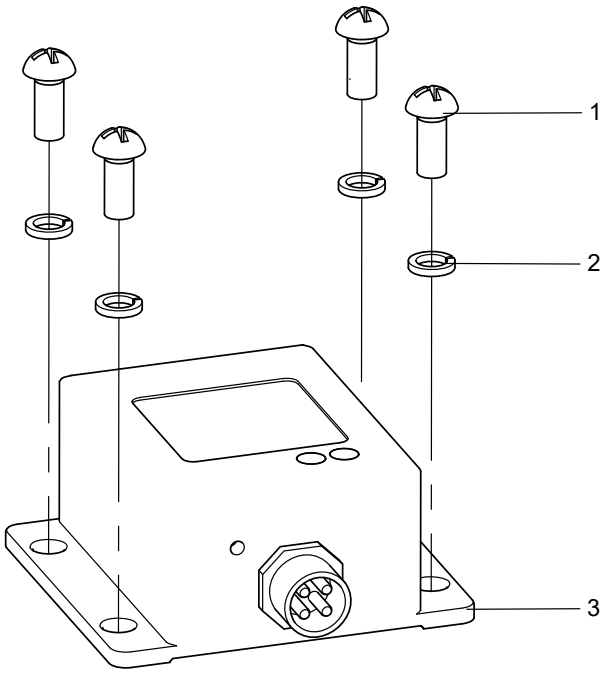
No.	Part No.	Qty.	Description
1	215040000003	6	Washer 5-A2-70 GB/T 93
2	215010000045	6	Bolt M5×30-A2-70 GB/T 5783
3	203060000112	3	Travel switch
4	116003063054		Options, Pressure sensor(See, details)
5	102010063012		Angle sensor installation(See, details)
6	215030000003	6	Nut M5-A2-70 GB/T 6170
7	215040000032	6	Washer 5-A2 GB/T 97.1

5.2.3 PRESSURE SENSOR OPTIONS



No.	Part No.	Qty.	Description
1	116003063056		Dual pressure sensor installation
1a	203080003094	2	Plug with cable
1b	203150000055	2	Pressure sensor
2	116003063057		Single pressure sensor installation
2a	203080003094	1	Plug with cable
2b	203150000055	1	Pressure sensor

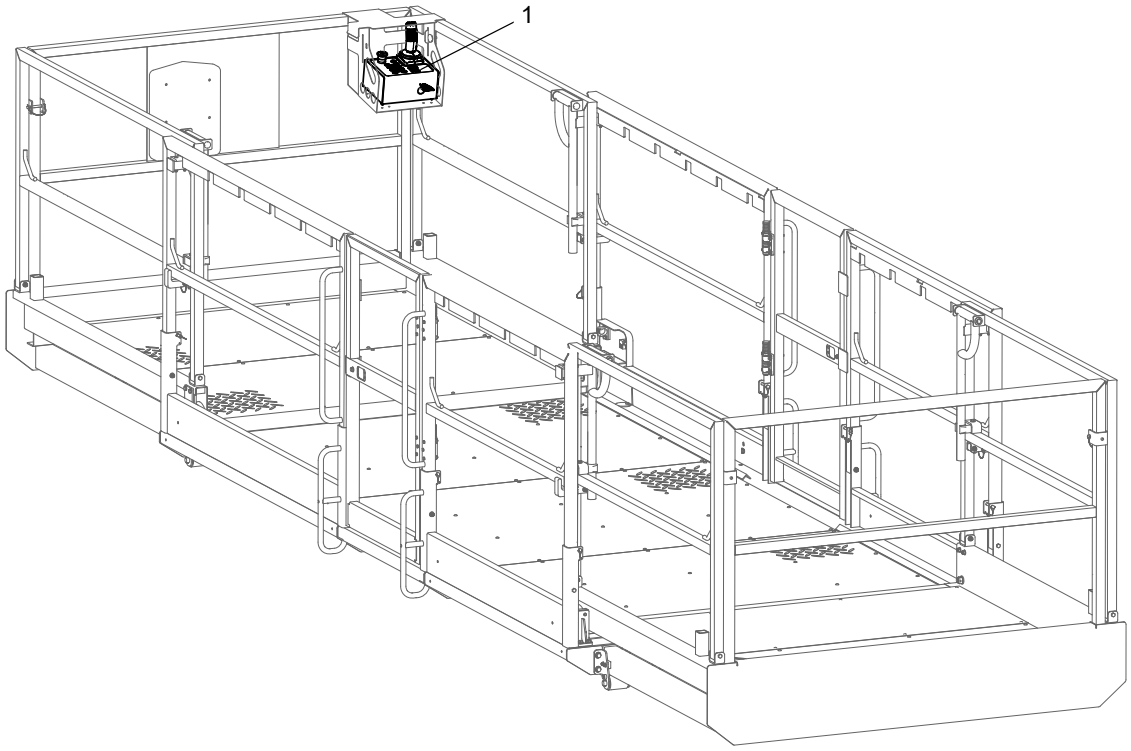
5.2.4 ANGLE SENSOR INSTALLATION



No.	Part No.	Qty.	Description
1	215020000105	4	Screw M4×12-A2-70 GB/T 818
2	215040000002	4	Washer 4-A2-70 GB/T 93
3	203150000015	1	Angle sensor

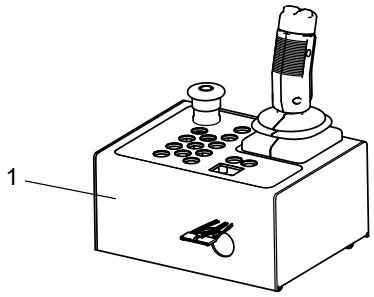
5.3 PLATFORM ELECTRICAL SYSTEM

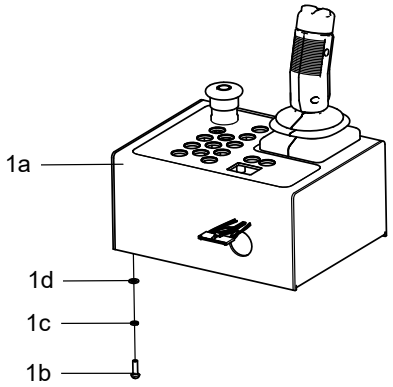
5.3.1 PLATFORM ELECTRICAL COMPONENTS INSTALLATION

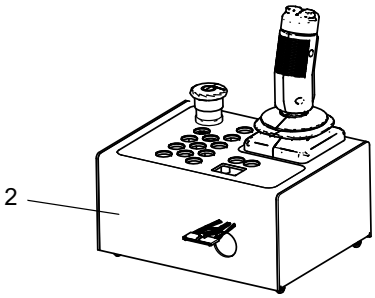


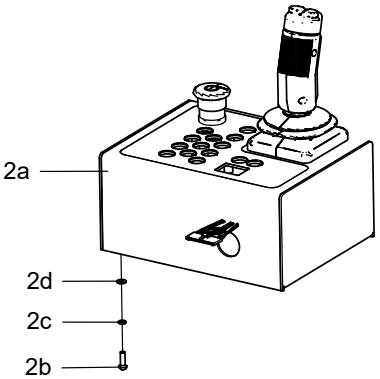
No.	Part No.	Qty.	Description
1	102010063009		Options, Platform controller

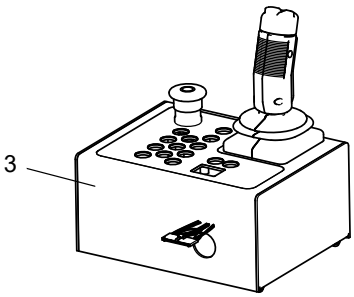
5.3.2 PLATFORM CONTROL BOX OPTIONS

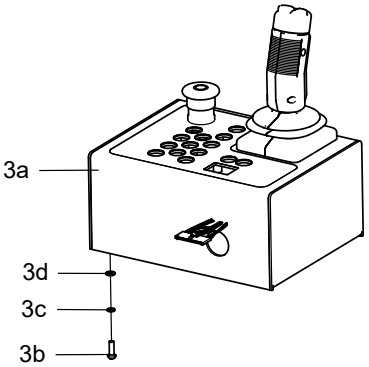


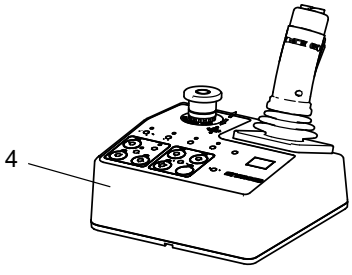


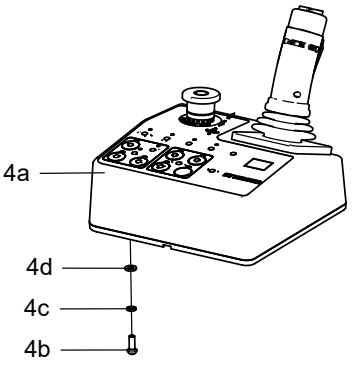






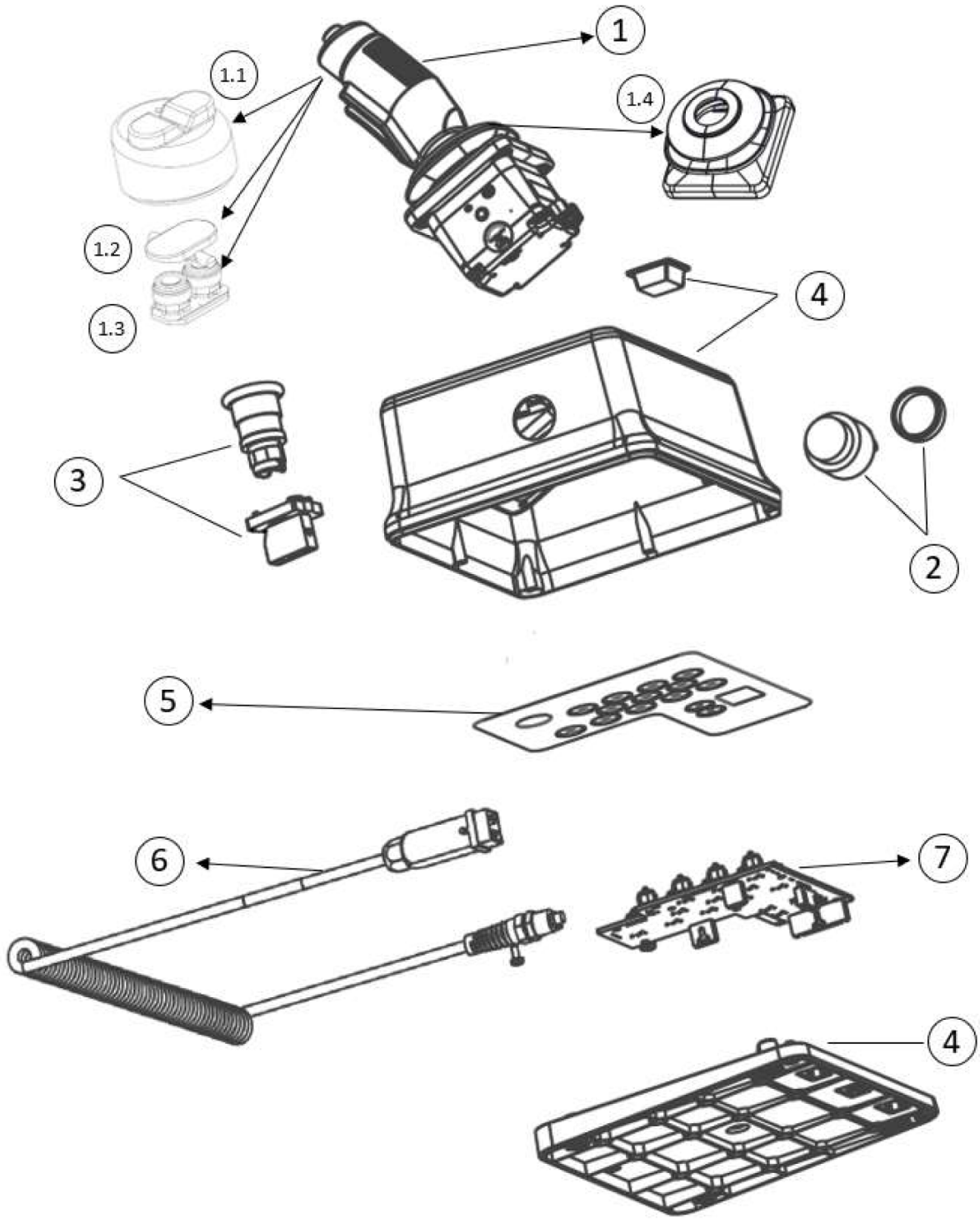






No.	Part No.	Qty.	Description
1	102013063047		INST, control box (platform, K120)(DTC K120)
1a	203020003134	1	Platform controller
1b	215020000111	4	Screw M5×16-A2-70 GB/T 818
1c	215040000003	4	Washer 5-A2-70 GB/T 93
1d	215040000032	4	Washer 5-A2 GB/T 97.1
2	102010063008		INST, control box (platform,2nd-generation)(DTC K110)
2a	203020003020	1	Platform controller
2b	215020000111	4	Screw M5×16-A2-70 GB/T 818
2c	215040000003	4	Washer 5-A2-70 GB/T 93
2d	215040000032	4	Washer 5-A2 GB/T 97.1
3	102010063007		INST, control box (platform,1st-generation)(DTC K100)
3a	203020000034	1	Platform controller
3b	215020000111	4	Screw M5×16-A2-70 GB/T 818
3c	215040000003	4	Washer 5-A2-70 GB/T 93
3d	215040000032	4	Washer 5-A2 GB/T 97.1
4	102001063021		INST, control box (platform)(SINOBOOM)
4a	203020003042	1	Platform control box
4b	215020000116	4	Screw M6×16-A2-70 GB/T 818
4c	215040000004	4	Washer 6-A2-70 GB/T 93
4d	215040000033	4	Washer 6-A2 GB/T 97.1

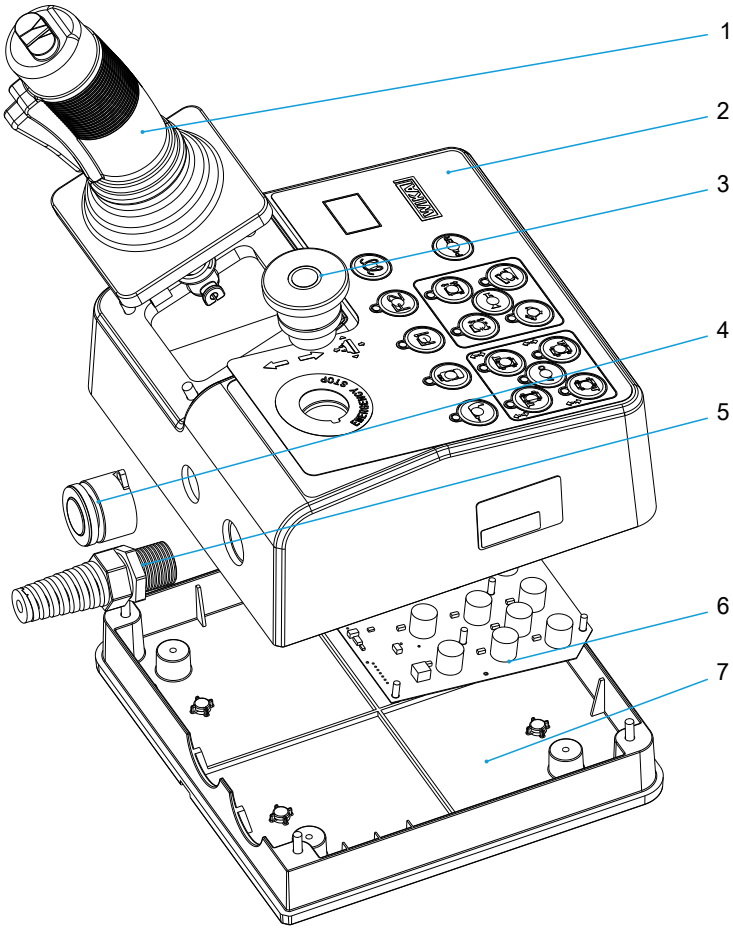
5.3.3 PLATFORM CONTROLLER (PN.203020003134)



No.	Part No.	Qty.	Description
1	203990003186	1	Handle
2	203990003189	1	Buzzer+Sealing ring
3	203990003190	1	Emergency stop switch+Emergency stop block
4	203990003191	1	PCU Shell (plastic)

No.	Part No.	Qty.	Description
5	203060003172	1	PCU film
6	203080003749	1	DTC cross country PCU spring wire
7	203990003187	1	PCU PCBA

5.3.4 PCU (PN.203020003042)



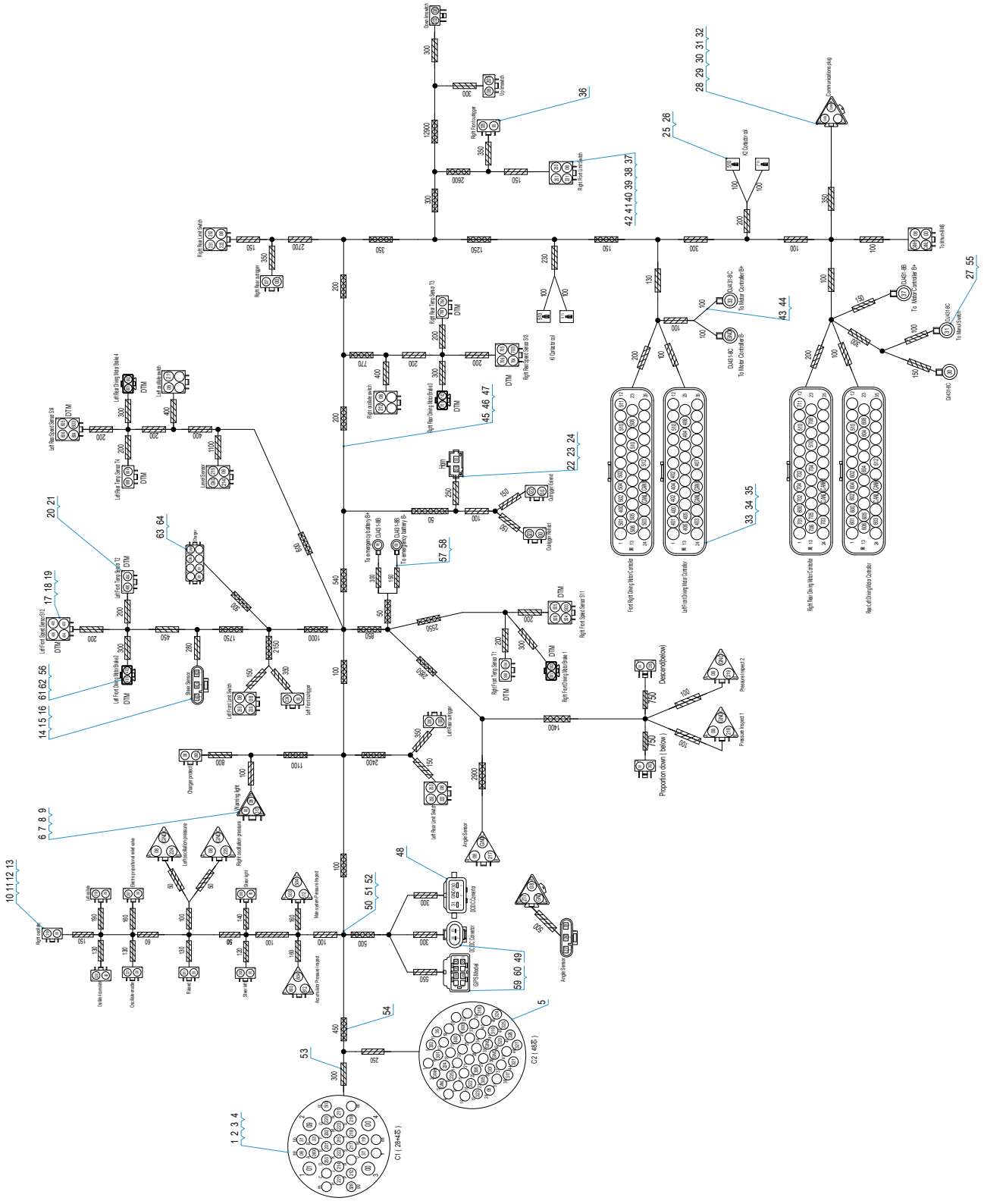
No.	Part No.	Qty.	Description
1	203090003003	1	Joystick
2	203990003292	1	Housing, upper
3	203060003049	1	Emergency stop switch
4	203050003033	1	Piezoelectric buzzer
5	203080003590	1	Cable connector
6	203030003076	1	ASSY, mainboard
7	203990003291	1	Housing, lower

5.4 ELECTRICAL HARNESS ASSEMBLY

5.4.1 ELECTRICAL HARNESS ASSEMBLY

No.	Part No.	Qty.	Description
1-1	102014060006	1	Ground to platform harness(1323RE)
1-2	102006060001	1	Ground to Platform Harness(1623RE)
2	115008060001	1	Wiring diagram of electric power harness(1623RE-2)
3	115008060020		Options,Charger power
3a	115008060017	1	Harness, power (charging package)
3b	115008060016	1	Harness, charging package
4-1	115007060002	1	Harness, chassis (1323RE-2)
4-2	115008060003	1	Harness,chassis (1623RE-2)

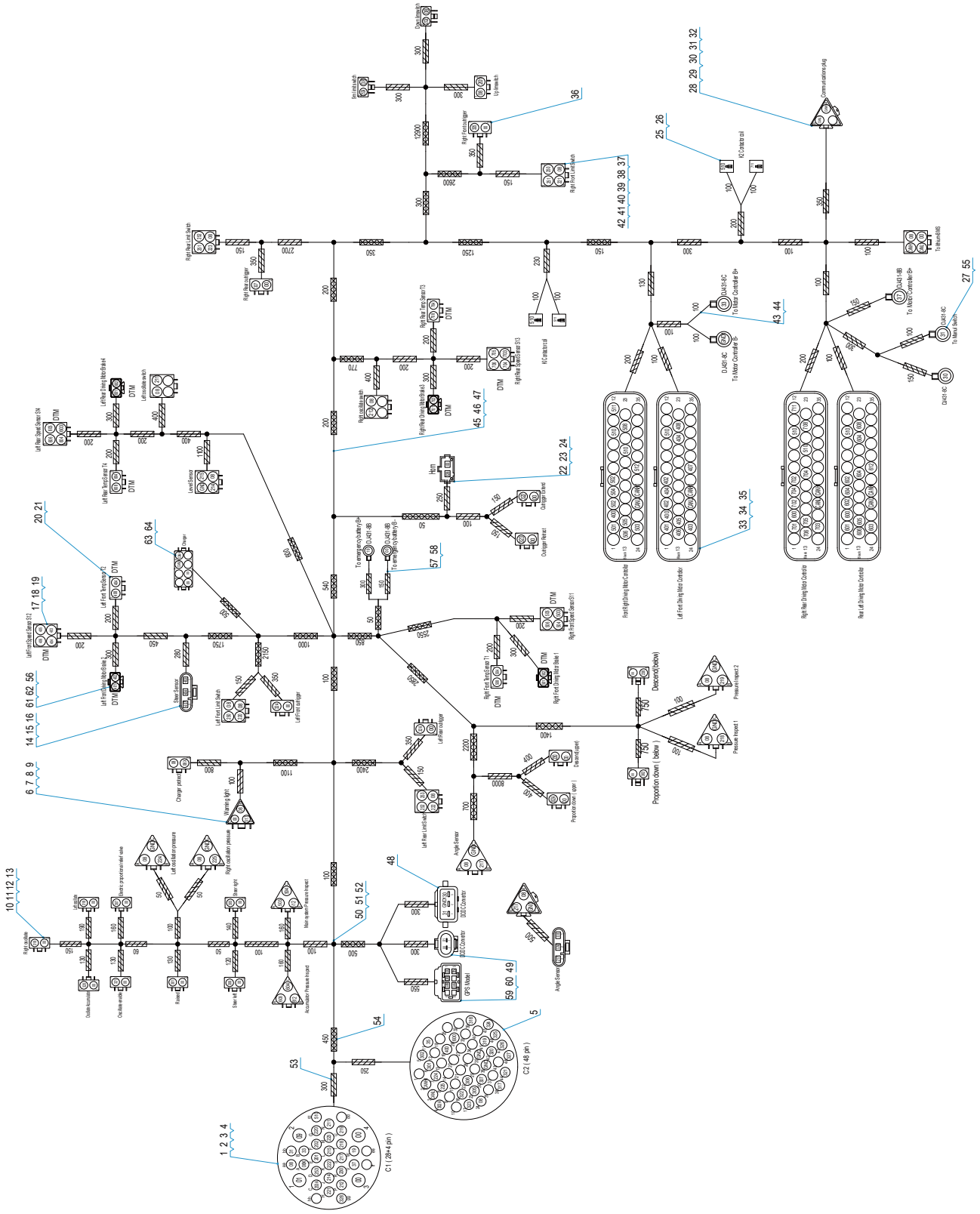
5.4.2 CHASSIS HARNESS (PN.115007060002)



No.	Part No.	Qty.	Description
1	203080000150	1	Flange connector plug
2	203080000137	4	Pin, female, 30A
3	203080000146	50	Pin, female
4	203080000184	2	End attachments, ITT
5	203080000145	1	48-pin connector plug
6	203080000404	8	Sheath
7	203080000032	8	Lock
8	203080000041	88	Female connector
9	203080000508	8	End clip
10	203080000410	18	Sheath
11	203080000016	18	Lock
12	203080000437	18	End attachments, 2-pin, female
13	203080000448	18	Rubber part
14	203080000262	6	AMP Terminal
15	203080000315	2	Sheath
16	203080000314	2	Lock
17	203080003020	4	Sheath
18	203060000085	24	#20 female terminal
19	203080003022	4	Lock
20	203080003018	4	Sheath
21	203080003023	4	Lock
22	203080000427	1	Sheath
23	203080000428	2	Female pin
24	203080000429	1	Waterproof cap
25	203080000129	4	Jacket, flexible
26	203080000197	4	Terminal
27	203080000018	6	Ring tongue terminal
28	203080000405	1	Sheath
29	203080000046	1	Lock
30	203080000033	2	Male connector
31	203080000466	1	End clip
32	203080000086	1	Connector
33	203080003017	2	Sheath
34	203080003021	59	Terminal
35	203080000295	81	Plastic Stopper
36	203080000474	5	Waterproof cover
37	203080000068	8	Blind plug
38	203080000044	8	Sheath
39	203080000020	8	Lock

No.	Part No.	Qty.	Description
40	203080000445	10	End attachments, 4-pin, female
41	203080000446	10	Rubber part
42	203080000492	4	Waterproof cover
43	203080000047	3	Cable
44	203080000196	4	Cable
45	203080000248	82	Cable
46	203080000308	32	Cable
47	203080000307	16	Cable
48	203080000368	1	Socket
49	203080000373	1	Socket
50	203080000424	17	Nylon hose, closed-end
51	203080000422	4	Nylon hose, closed-end
52	203080000037	2	Corrugated pipe
53	203080000135	1	Corrugated pipe (Black)
54	203080000417	1	Nylon hose, closed-end
55	203080000030	1	Heat shrink tube
56	203060000086	8	#20 male terminal
57	203080000372	8	Cable
58	203080000393	5	Wire
59	203080003216	1	Sheath
60	203080003218	5	AMP terminal
61	203080003019	4	Sheath
62	203080003024	4	Lock
63	203080000100	1	Connector
64	203080000112	1	Lock

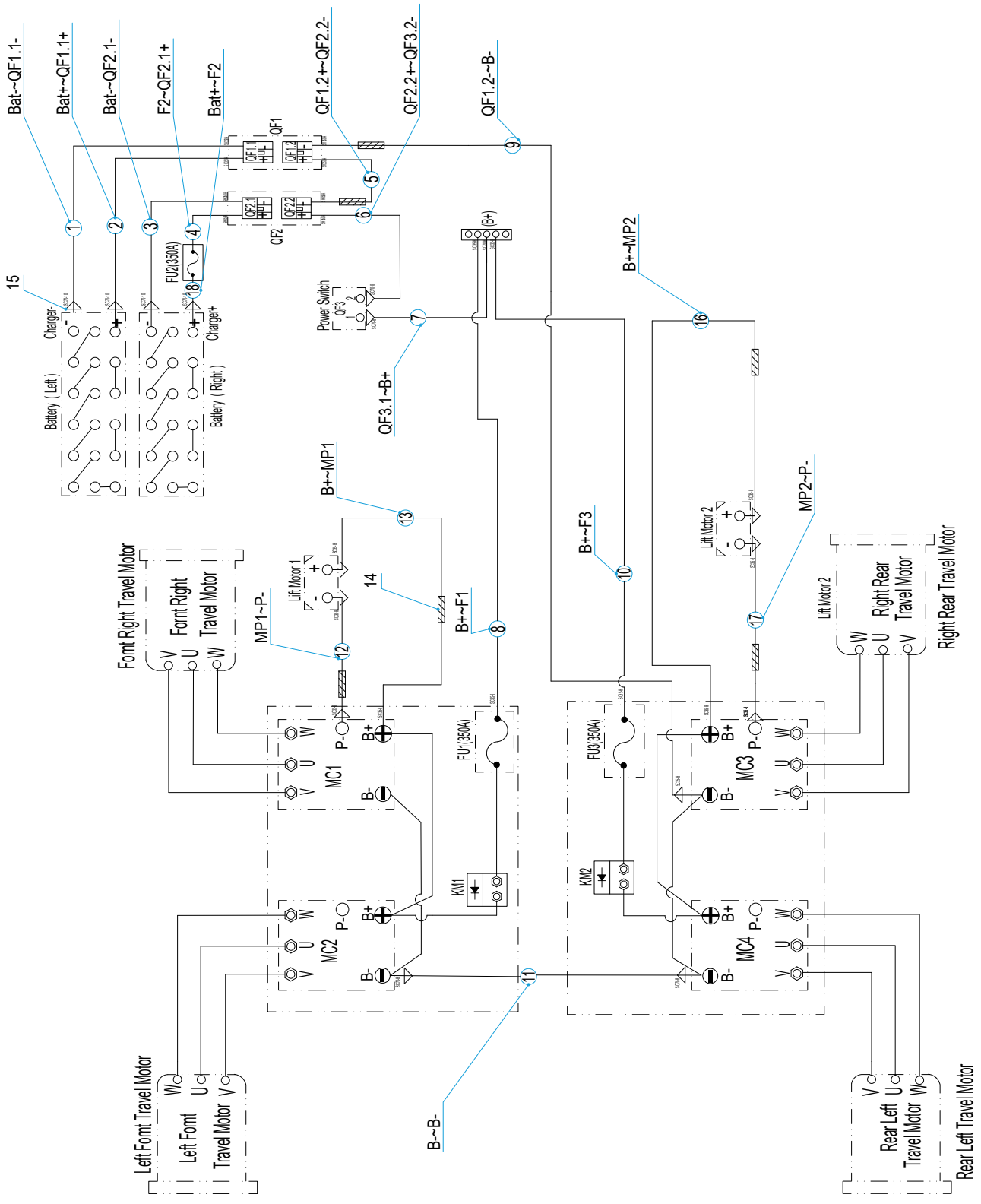
5.4.3 CHASSIS HARNESS (PN.115008060003)



No.	Part No.	Qty.	Description
1	203080000150	1	Flange connector plug
2	203080000137	3	Pin, female, 30A
3	203080000146	50	Pin, female
4	203080000184	2	End attachments, ITT
5	203080000145	1	48-pin connector plug
6	203080000404	6	Sheath
7	203080000032	8	Lock
8	203080000041	100	Female connector
9	203080000508	8	End clip
10	203080000410	21	Sheath
11	203080000016	21	Lock
12	203080000437	21	End attachments, 2-pin, female
13	203080000448	21	Rubber part
14	203080000262	6	AMP Terminal
15	203080000315	2	Sheath
16	203080000314	2	Lock
17	203080003020	4	Sheath
18	203060000085	24	#20 female terminal
19	203080003022	4	Lock
20	203080003018	4	Sheath
21	203080003023	4	Lock
22	203080000427	1	Sheath
23	203080000428	2	Female pin
24	203080000429	1	Waterproof cap
25	203080000129	4	Jacket, flexible
26	203080000197	4	Terminal
27	203080000018	6	Ring tongue terminal
28	203080000405	1	Sheath
29	203080000046	1	Lock
30	203080000033	2	Male connector
31	203080000466	1	End clip
32	203080000086	1	Connector
33	203080003017	2	Sheath
34	203080003021	59	Terminal
35	203080000295	81	Plastic Stopper
36	203080000474	5	Waterproof cover
37	203080000068	4	Blind plug
38	203080000044	7	Sheath
39	203080000020	7	Lock

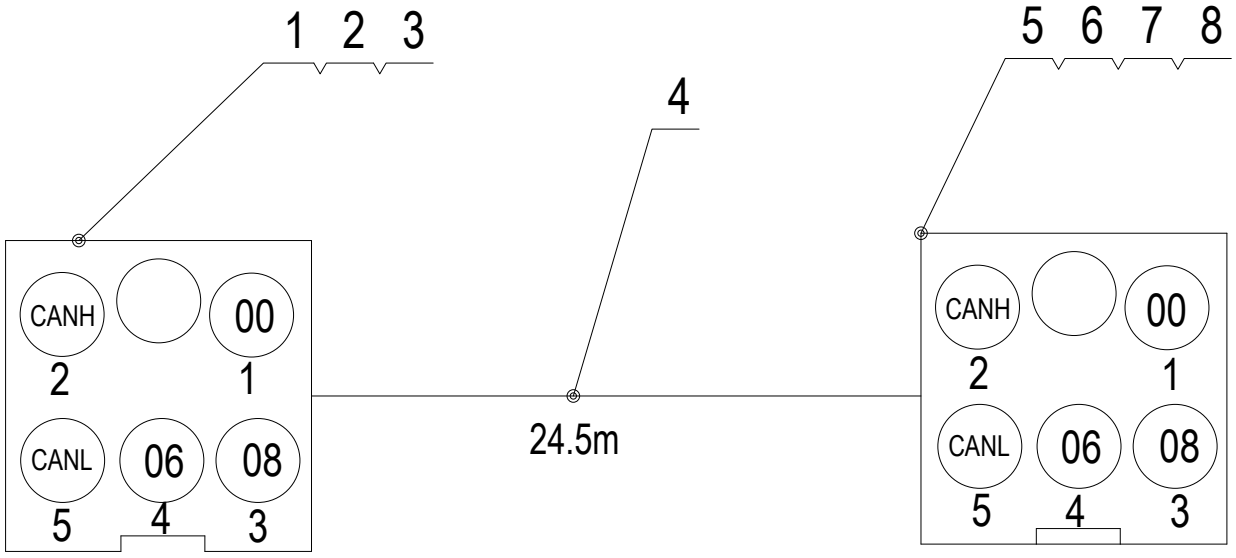
No.	Part No.	Qty.	Description
40	203080000445	10	End attachments, 4-pin, female
41	203080000446	10	Rubber part
42	203080000492	4	Waterproof cover
43	203080000047	3	Cable
44	203080000196	4	Cable
45	203080000248	82	Cable
46	203080000308	32	Cable
47	203080000307	16	Cable
48	203080000368	1	Socket
49	203080000373	1	Socket
50	203080000424	17	Nylon hose, closed-end
51	203080000422	4	Nylon hose, closed-end
52	203080000037	2	Corrugated pipe
53	203080000135	1	Corrugated pipe (Black)
54	203080000417	1	Nylon hose, closed-end
55	203080000030	1	Heat shrink tube
56	203060000086	8	#20 male terminal
57	203080000372	8	Cable
58	203080000393	5	Wire
59	203080003216	1	Sheath
60	203080003218	5	AMP terminal
61	203080003019	4	Sheath
62	203080003024	4	Lock
63	203080000100	1	Connector
64	203080000112	1	Lock

5.4.4 ELECTRICAL POWER WIRING LAYOUT (PN.115008060001)



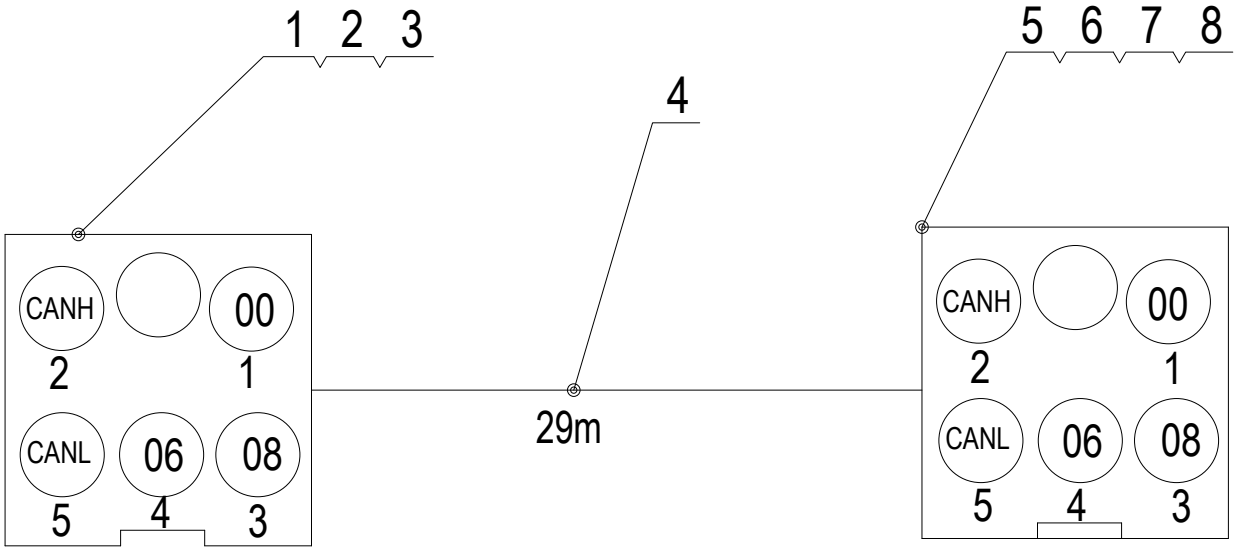
No.	Part No.	Qty.	Description
1	203230000812	1	Power line
2	203230000814	1	Power line
3	203230000813	1	Power line
4	203230000996	1	Power line
5	203230000816	1	Power line
6	203230000817	1	Power line
7	203230000544	1	Power line
8	203230000284	1	Power line
9	203230000904	1	Power line
10	203230000790	1	Power line
11	203230000548	1	Power line
12	203230000819	1	Power line
13	203230000820	1	Power line
14	203080000422	35	Nylon hose, closed-end
15	203080000004	19	PVC sheath
16	203230000821	1	Power line
17	203230000822	1	Power line
18	203230000925	1	Power line

5.4.5 GROUND TO PLATFORM HARNESS (PN.102014060006)



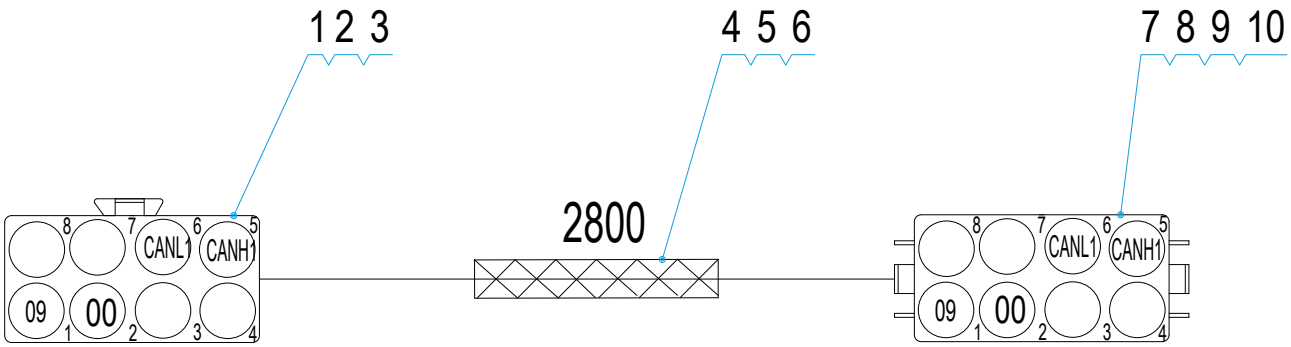
No.	Part No.	Qty.	Description
1	203080000349	1	Connector
2	203080000351	5	Pin
3	203080000353	1	Cover
4	203080003050	25	5-pin cable
5	203080000348	1	Connector
6	203080000355	5	Socket
7	203080000354	1	Cover
8	203080000350	2	Connector

5.4.6 GROUND TO PLATFORM HARNESS (PN.102006060001)



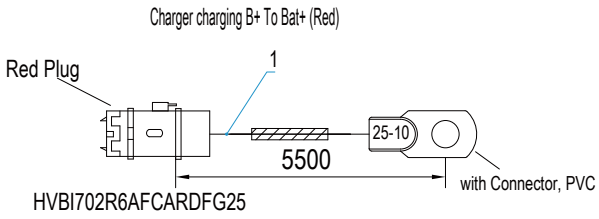
No.	Part No.	Qty.	Description
1	203080000349	1	Connector
2	203080000351	5	Pin
3	203080000353	1	Cover
4	203080003050	29	5-pin cable
5	203080000348	1	Connector
6	203080000355	5	Socket
7	203080000354	1	Cover
8	203080000350	2	Connector

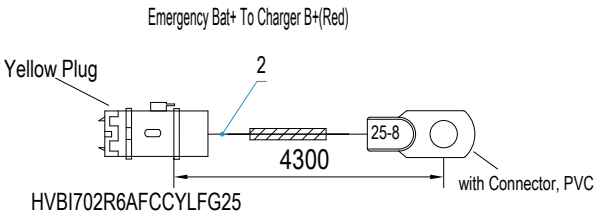
5.4.7 CHARGING PACKAGE HARNESS (PN.115008060016)

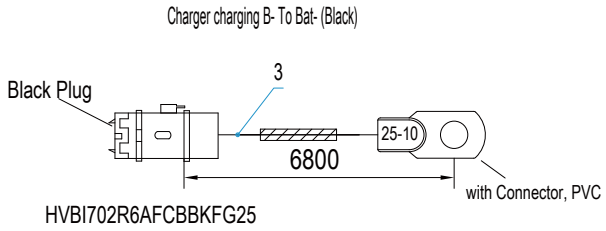


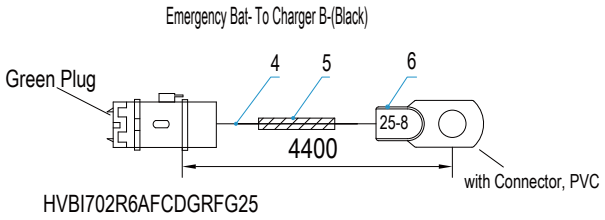
No.	Part No.	Qty.	Description
1	203080000127	1	Sheath
2	203080000126	1	Lock
3	203080000033	4	Male connector
4	203080000037	4	Corrugated pipe
5	203080000582	3	Wire
6	203080000369	3	Cable
7	203080000041	4	Female connector
8	203080000112	1	Lock
9	203080000100	1	Connector
10	203080000068	8	Blind plug

5.4.8 CHARGING PACKAGE POWER HARNESS (PN.115008060017)





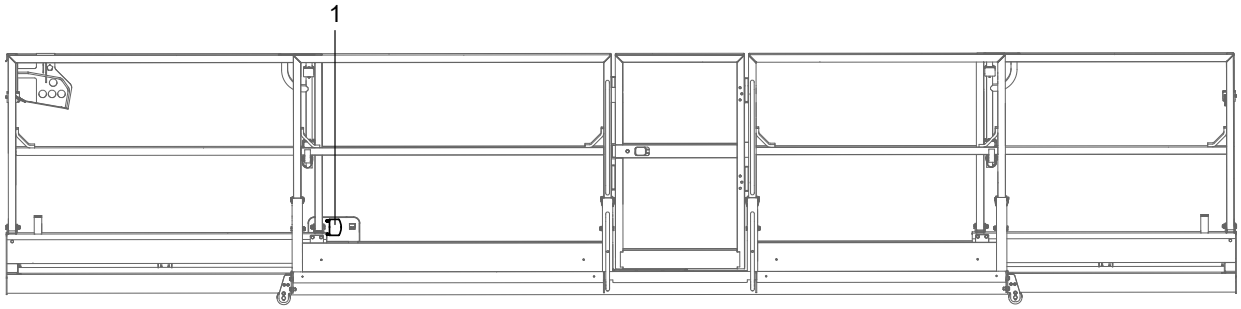


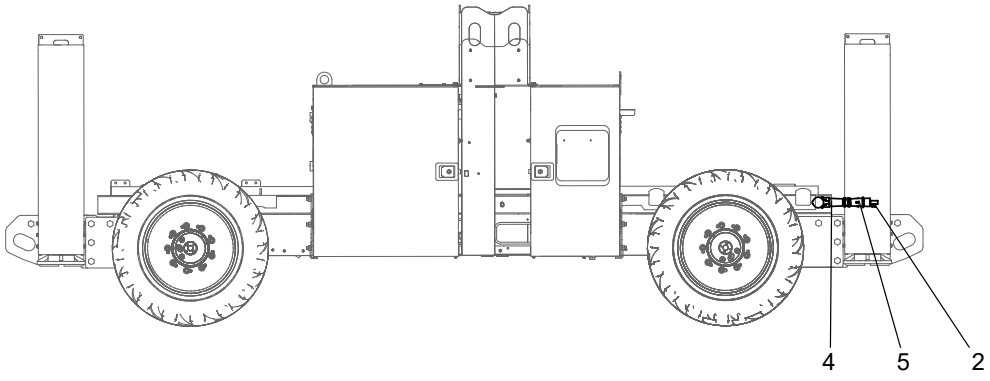


No.	Part No.	Qty.	Description
1	203230003467	1	Cable, power
2	203230003468	1	Cable, power
3	203230003466	1	Cable, power
4	203230003469	1	Cable, power
5	203080000422	21	Nylon hose, closed-end
6	203080000004	4	PVC sheath

5.5 EXTERNAL POWER INSTALLATION

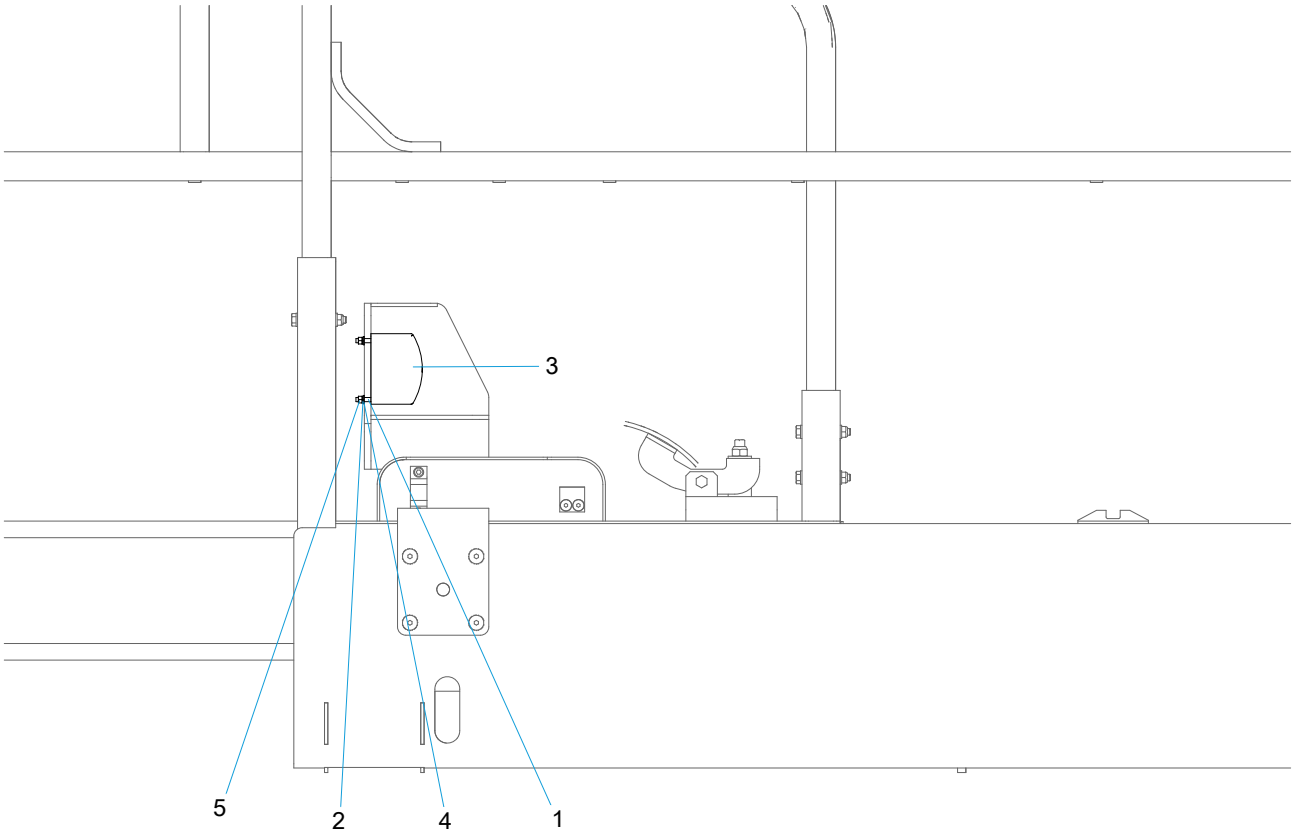
5.5.1 EXTERNAL POWER INSTALLATION





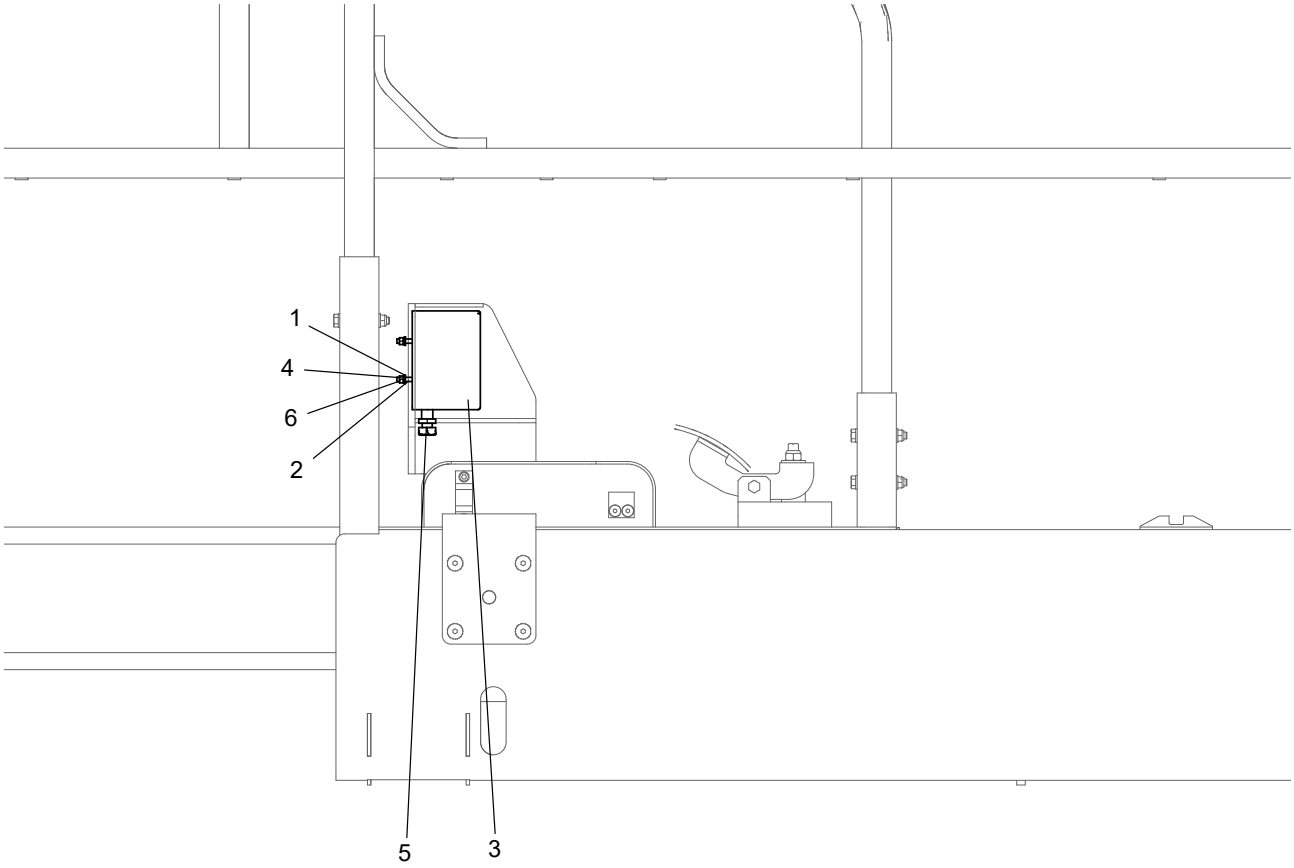
No.	Part No.	Qty.	Description
1	101048063022		Waterproof socket options
2	101055063028		Electrical plug options
3	115006063031		AC power harness options(Not shown)
4	203080000300		Industrial connector
5	116003063047		Electrical plug options

5.5.2 WATERPROOF SOCKET INSTALLATION (EUROPEAN STANDARD)



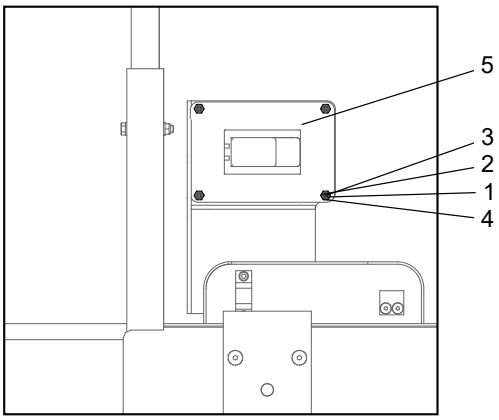
No.	Part No.	Qty.	Description
1	215020000112	2	Screw M5×20-A2-70 GB/T 818
2	215040000003	2	Washer 5-A2-70 GB/T 93
3	203080000278	1	Waterproof socket(EN)
4	215040000032	2	Washer 5-A2 GB/T 97.1
5	215030000003	2	Nut M5-A2-70 GB/T 6170

5.5.3 WATERPROOF SOCKET INSTALLATION (GB)



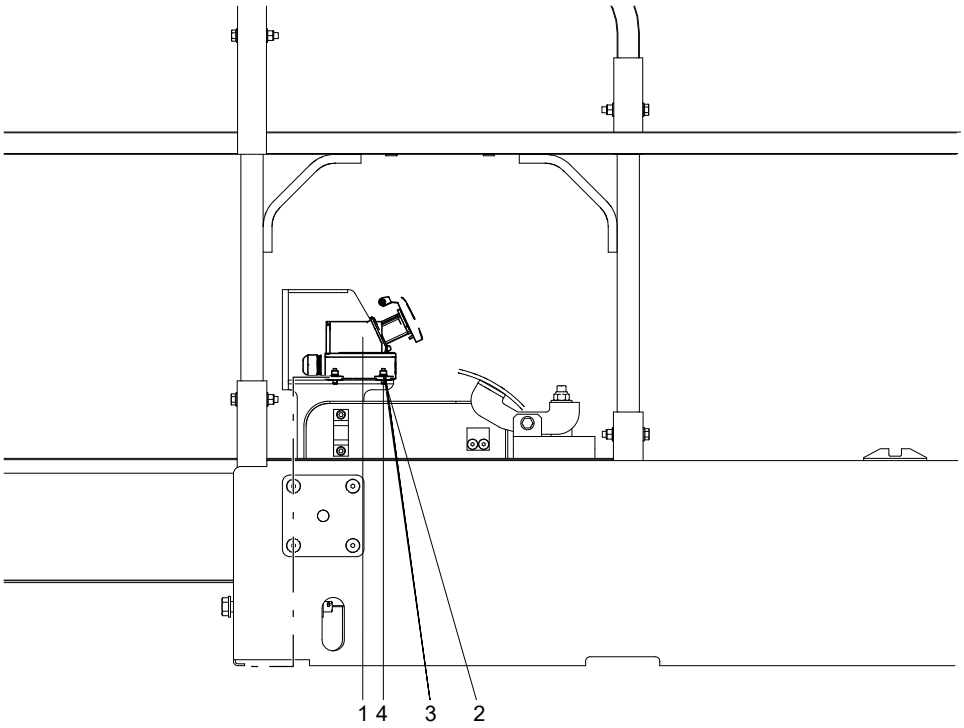
No.	Part No.	Qty.	Description
1	215040000032	4	Washer 5-A2 GB/T 97.1
2	215020000113	4	Screw M5×25-A2-70 GB/T 818
3	203080000301	1	Waterproof socket
4	215040000003	4	Washer 5-A2-70 GB/T 93
5	201990003005	1	Connector,waterproof,nylon
6	215030000003	4	Nut M5-A2-70 GB/T 6170

5.5.4 WATERPROOF SOCKET INSTALLATION (AMERICAN STANDARD)



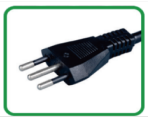
No.	Part No.	Qty.	Description
1	215040000002	4	Washer 4-A2-70 GB/T 93
2	215040000031	4	Washer 4-A2 GB/T 97.1
3	215020000105	4	Screw M4×12-A2-70 GB/T 818
4	215030000004	4	Nut M6-A2-70 GB/T 6170
5	203080000472	1	American standard socket assembly

5.5.5 WATERPROOF SOCKET INSTALLATION (UK)



No.	Part No.	Qty.	Description
1	203080000385	1	Waterproof socket
2	215040000003	4	Washer 5-A2-70 GB/T 93
3	215020000006	4	Screw M5×12-A2-70 GB/T 70.1
4	215040000032	5	Washer 5-A2 GB/T 97.1

5.5.6 POWER PLUG CORD OPTIONS

						
B	E+F	G	H	I (AS)	I (China)	I (Argentina)
						
J	L	M	N			

No.	Part No.	Qty.	Description
1	203080000530	1	AC power plug cable(Type I, China and Australian specs)
2	203080000534	1	AC power plug cable(Type B, America and South America specs)
3	203080000537	1	AC power plug cable(Type M, Macao specs)
4	203080000539	1	AC power plug cable(T ype J, Swiss specs)
5	203080000538	1	AC power plug cable(Type E+F , European and Brazilian specs)
6	203080003043	1	AC power plug cable(Type L, South America specs)
7	203080000532	1	AC power plug cable(Type G, HongKong and Middle East specs)

5.5.7 AC POWER HARNESS OPTIONS

No.	Part No.	Qty.	Description
1	115004063002	1	Harness, power (AC)(1023, EU and GB)
2	115004063003	1	Harness, power (AC, US)(1023, US)
3	115005063018	1	Harness, power (AC)(1323, EU and GB)
4	115005063019	1	Harness, power (AC, US)(1323, US)
5	115006063087	1	Harness, power (AC)(1623, EU and GB)
6	115006063088	1	Harness, power (AC, US)(1623, US)

5.5.8 INDUSTRIAL POWER PLUG OPTIONS

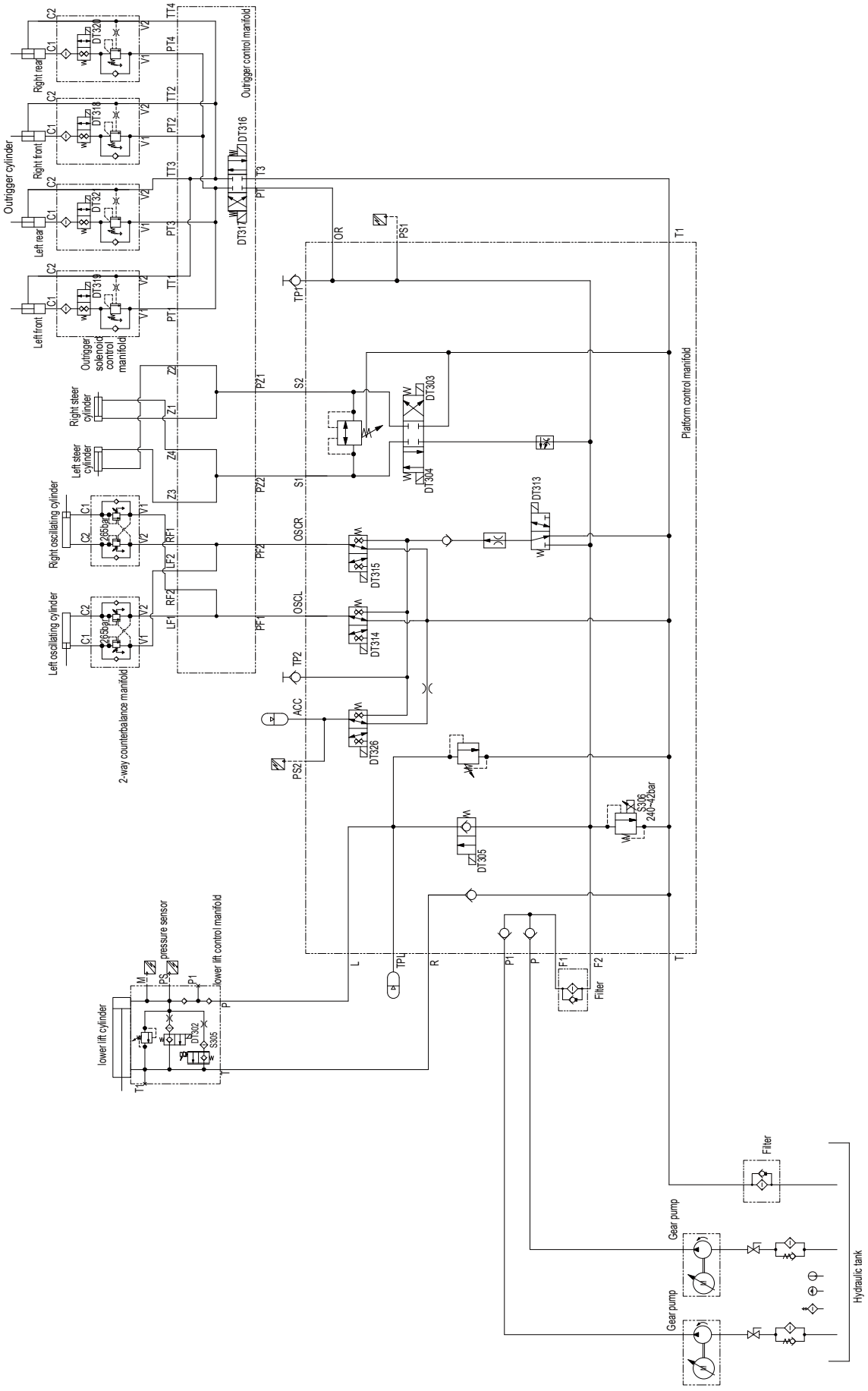
No.	Part No.	Qty.	Description
1	203080000381	1	Industrial power plug(110V)
2	203080003157	1	American standard plug(US)
3	203080000303	1	Industrial power plug(220V)

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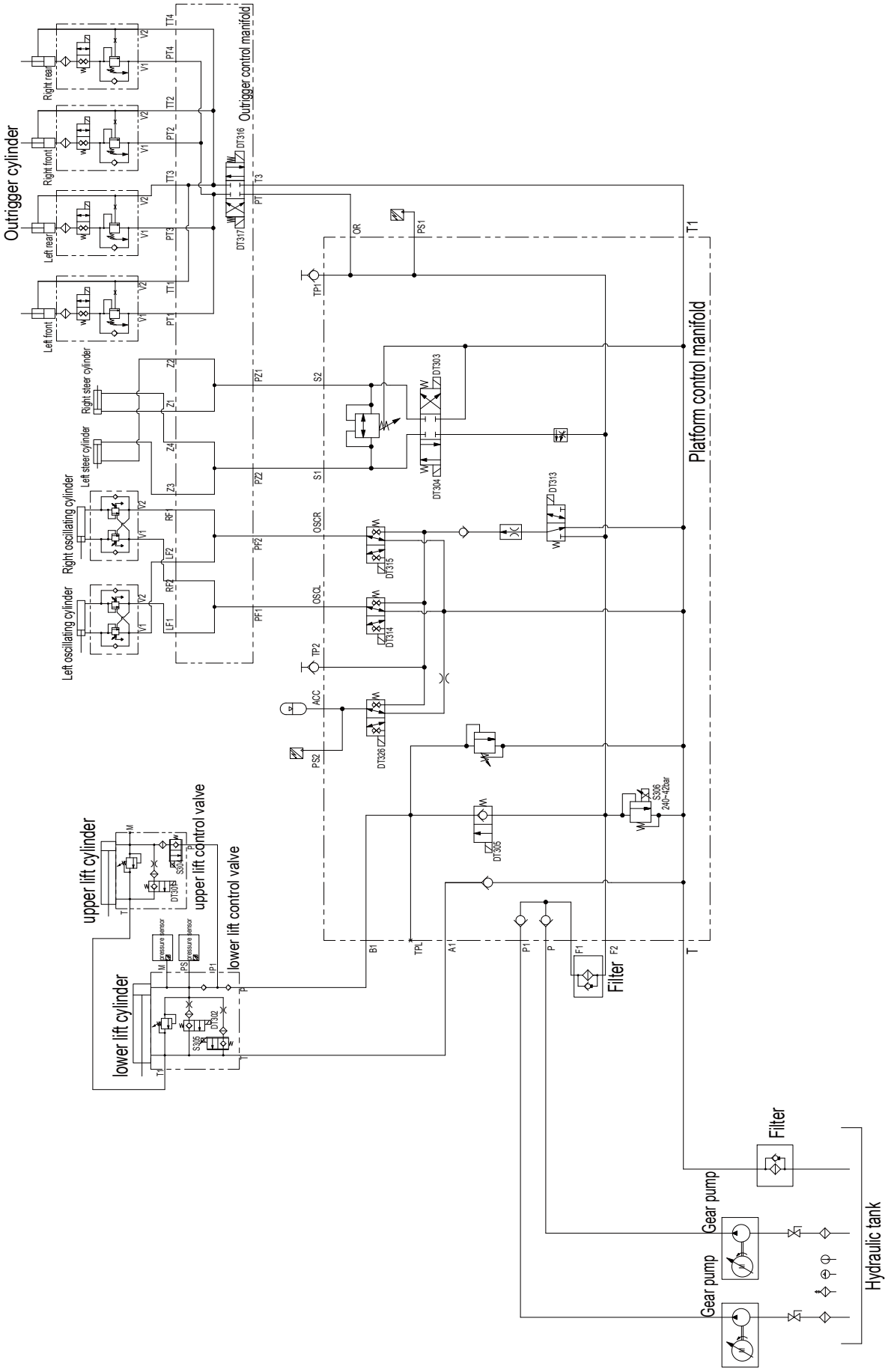
6 SCHEMATIC DIAGRAM

6.1 HYDRAULIC SCHEMATIC DIAGRAM

Hydraulic Schematic Diagram -1323RE

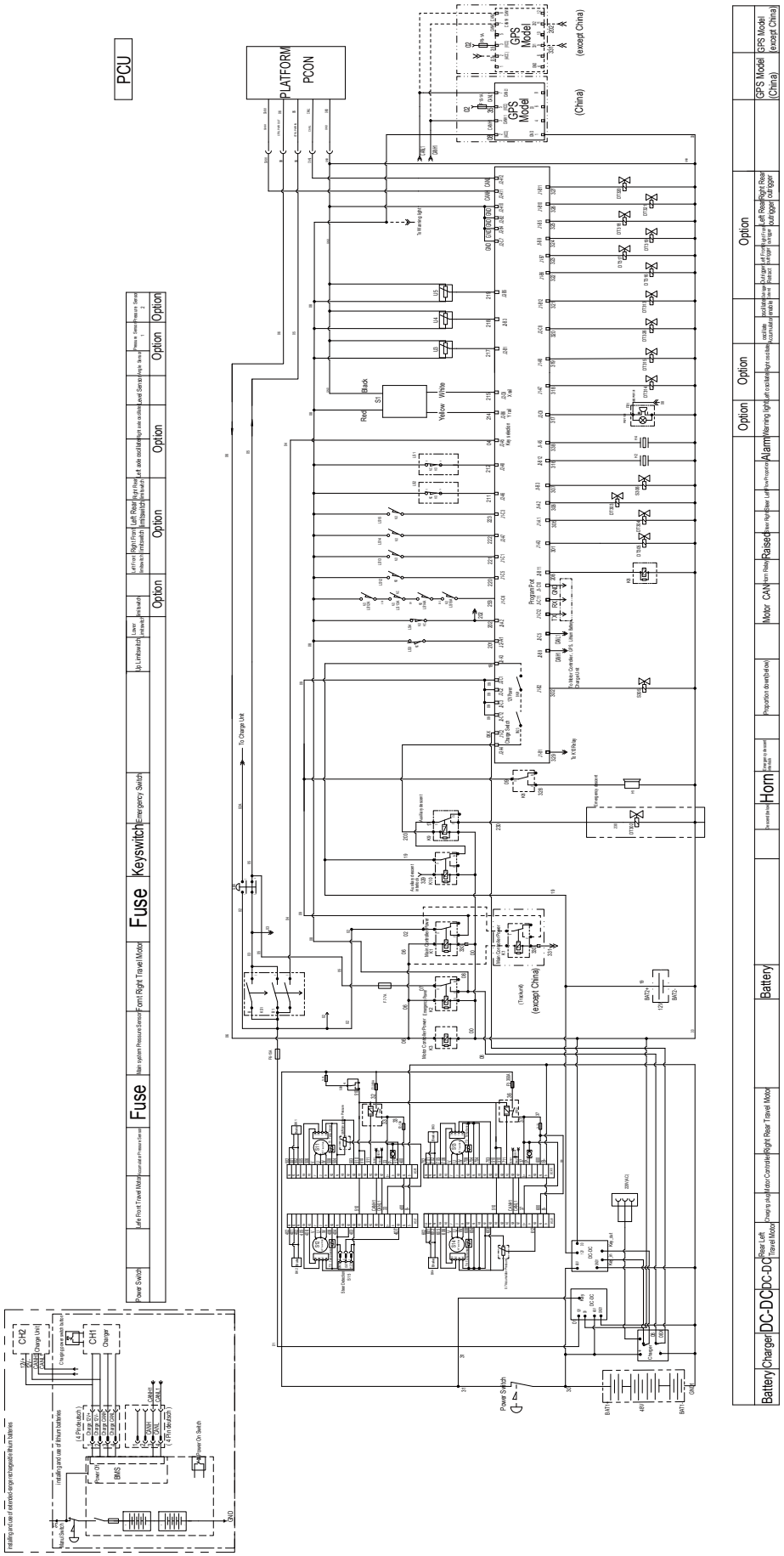


Hydraulic Schematic Diagram -1623RE

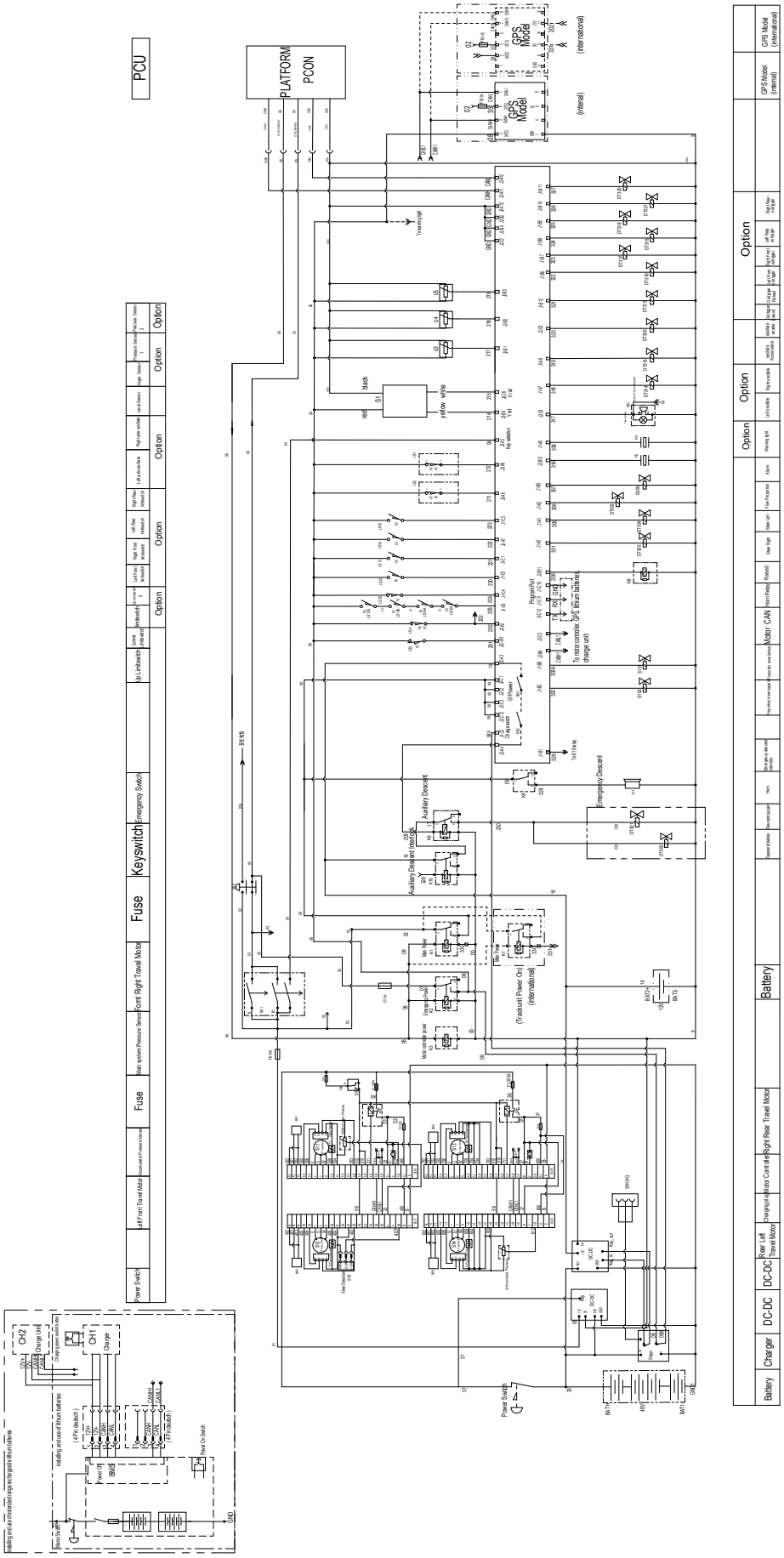


6.2 ELECTRICAL SCHEMATIC DIAGRAM

Electrical Schematic Diagram -1323RE

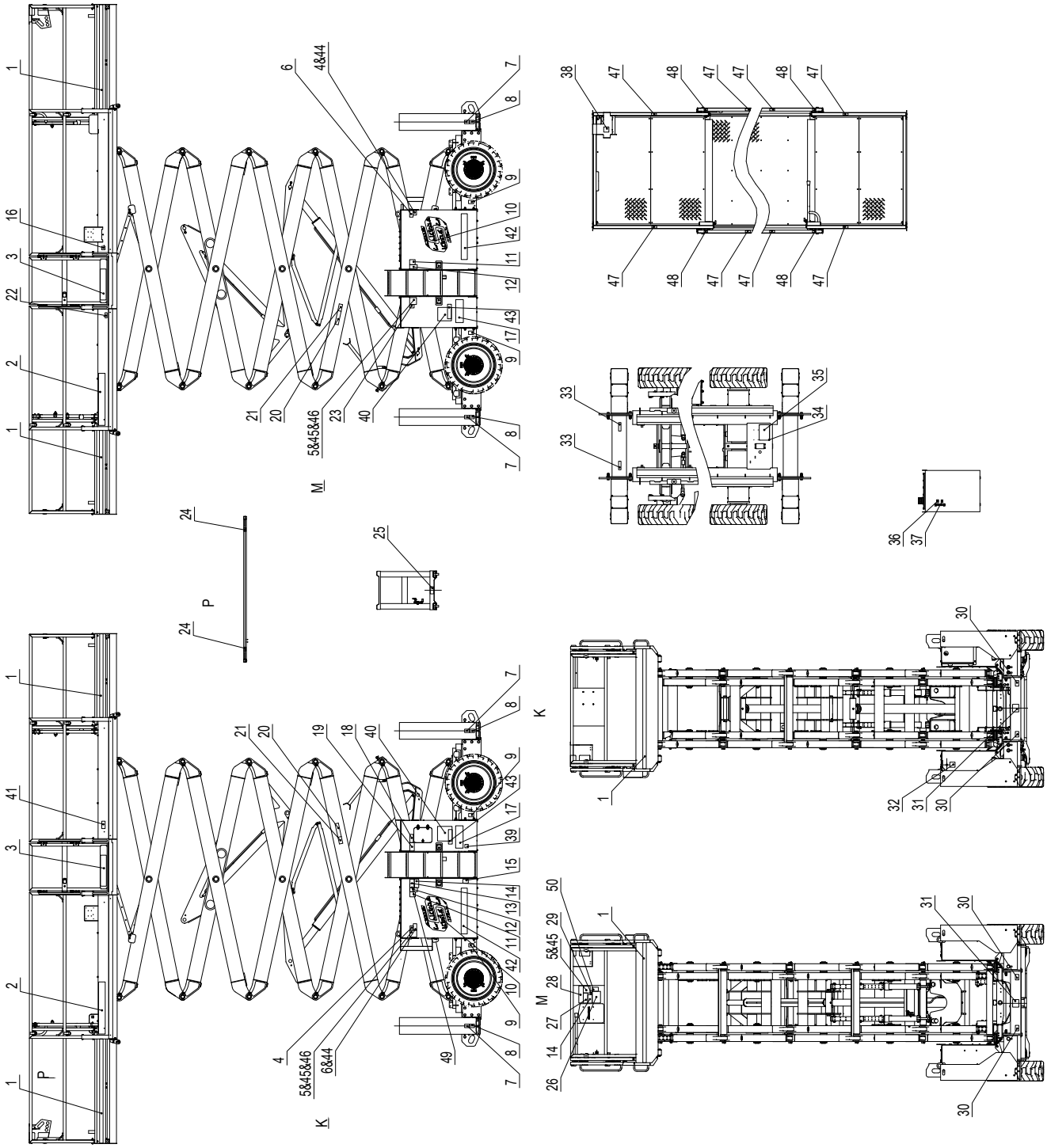


Electrical Schematic Diagram -1623RE



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7 DECALS DIAGRAM


M
P
K
P
K
M

No.	ANSI&CSA	CE-Metric	CE-Imperial	AS	GB	DESCRIPTION	Qty.
	115007100005	115007100015	115007100006	115007100002	115007100001	General diagram of decals positions -1323RE	1
	115008100005	115008100007	115008100006	115008100002	115008100001	General diagram of decals positions -1623RE	1
1	216060000004	216060000004	216060000004	216060000004	216060000004	Yellow & black hazard warning stripe tape (50mm wide)	9
2	101048103025	101048103025	101048103025	101048103025	101079103035	LOGO-SINOBOOM (big)	2
3	115007100013	115007100011	115007100011	115007100011	115007100011	Decal-Requirements of use (1323RE-2)	2
	115008100013	115008100011	115008100011	115008100011	115008100011	Decal-Requirements of use (1623RE-2)	2
4	115006103017	115006103002	115006103002		115008100016	Decal-Tipping hazard	2
5	101040103013	/	/	/	101012100005	Decal-Electrocution hazard	3
6	101012100001	101012100001	101012100001	101012100001	101012100001	Decal-No smoking or fire	2
7	102013103007	102013103002	102013103002	102013103002	102013103002	Decal-Outrigger ground load 3200kg	4
8	102001100003	102001100003	102001100003	102001100003	102001100003	Decal-Crushing hazard	4
9	102013103006	102013103001	102013103001	102013103001	102013103001	Decal-Tire-to-ground load 3900kg	4
10	102001103016	102001103016	102001103016	102001103016	102001103016	Decal-Large logo in white	2
11	101016100034	101016100034	101016100034	/	/	Decal-Noise level of 72dB	2
12	101014100016	101014100016	101014100016	101014100016	101014100016	Decal-Electrocution hazard	1
13	102004100022	102004100022	102004100022	/	/	Decal-Tipping hazard	1
14	102015100014	102015100014	102015100014	/	/	Decal-Tipping hazard	2
15	101012100012	101012100012	101012100012	101012100012	101012100012	Decal-High pressure hazard	1
16	101079103015	101079103015	101079103015	101079103015	101079103015	Decal-Platform power plug	1
17	115005103003	115005103002	115005103003	115005103002	115005103002	Decal-Trade ID 1323RE	2
	115006103004	115006103003	115006103004	115006103003	115006103003	Decal-Trade ID 1623RE	2
18	101012100030	101012100030	101012100030	101012100030	101012100030	Decal-Compartment overhaul	1
19	101012100027	101012100027	101012100027	102004100022	102004100022	Decal-Tipping hazard	1

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No.	ANSI&CSA	CE-Metric	CE-Imperial	AS	GB	DESCRIPTION	Qty.
20	101079103017	101079103017	101079103017	101079103017	101079103017	Decal-Crushing hazard	2
21	102015100025	104011100021	104011100021	/	/	Decal-Crushing hazard	2
22	101040103015	/	/	/	/	Decal-Annual inspection date	1
23	102012103009	102012103009	102012103009	102012103009	102012103009	Decal-Hydraulic oil marking	1
24	103006103014	103006103014	103006103014	103006103014	103006103014	Decal-Anchor point	12
25	101014100026	101014100026	101014100026	101014100026	101014100026	Decal-Safety arm	1
26	101079103016	101079103016	101079103016	102004100015	101079103016	Decal-General safety instructions	1
27	102001103008	102001100005	102001100005	102001100005	102001100005	Decal-Tipping hazard	1
28	115007100012	115007100010	115007100010	115007100010	115007100010	Decal-Requirements of use (1323RE-2)	1
	115008100012	115008100010	115008100010	115008100010	115008100010	Decal-Requirements of use (1623RE-2)	1
29	103010103014	/	/	/	/	Decal-Non-insulated	1
30	101079103010	101079103010	101079103010	101079103010	101079103010	Decal-Lifting point and lashing point	4
31	102004100008	102004100008	102004100008	102004100008	102004100008	Decal-Lashing point	2
32	104011100016	104011100016	104011100016	104011100016	101056103002	Decal-Main power switch	1
33	101014100032	101014100032	101014100032	101014100032	101014100032	Decal-Serial number	2
34	215050000012	215050000012	215050000012	215050000012	215050000012	Blind rivet 4×8-ZnD GB/T 12618.2	4
35	102001103018	102015100013	102015100013	102001103002	102001103001	Nameplate	1
36	104011100010	104011100010	104011100010	104011100010	104011100010	Decal-Hydraulic oil level	1
37	104011100003	104011100003	104011100003	104011100003	104011100003	Decal-Hydraulic oil level	1
38	101055103015	104011100016	104011100016	101055103015	101055103016	Decal-Emergency stop button	1
39	115008100022	115008100018	115008100018	115008100018	/	Decal-Charging voltage	1
	/	/	/	/	101079103015	Decal-Platform power plug	1
40	114006103011	/	/	/	/	Decal-Lead acid battery	2
41	/	/	/	/	101072103042	Decal-IPAF	1

No.	ANSI&CSA	CE-Metric	CE-Imperial	AS	GB	DESCRIPTION	Qty.
42	/	/	/	/	101072103045	Decal-Service number (Lead acid battery)	2
43	/	/	/	/	101072103041	Decal-SINOBOOM	2
44	/	/	/	115006103002	/	Decal-Tipping hazard	2
45	/	/	/	101055103019	/	Decal-Electrocution hazard	2
46	/	101012100005	101012100005	/	/	Decal-Electrocution hazard	3
47	/	101079103034	101079103034	/	/	Decal-Hand-hold position	8
48	/	101086103013	101086103013	/	/	Decal-Crushing hazard	4
49	/	/	/	101012100027	101012100027	Decal-Read manuals	1
50	/	/	/	101040100002	/	Decal-Read manuals	1

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8 OPTIONS

8.1 ON-BOARD SPARE PARTS

No.	Part No.	Qty.	Description
1	213060000008	2	Plug
2	216070000003	2	Safety lanyard
3	203070000018	15	Plug-in fuse
4	213010000010	1	Coupler
5	213060000001	2	Plug
6	207990000003	10	O-ring(ANSI)
7	105017120002	1	Box, service parts stock
8	213060000003	2	Plug
9	213060000009	2	Plug
10	207990000002	10	O-ring(ANSI)
11	207990000001	10	O-ring(ANSI)
12	203070000008	10	Plug-in fuse
13	203070000013	15	Fuse

Always for Better Access Solutions

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