

# Parts Manual

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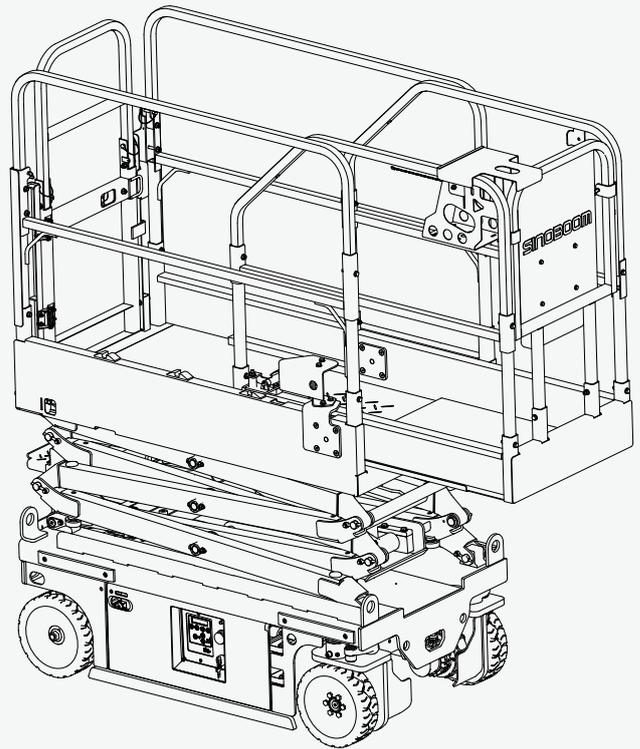
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Manual Version: A

Oct. 2024

Translated version

**0407EN (0407EN/1530EN)** *From 0109000100 to present*



CE   AS/NZS EAC

**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](http://www.P65warnings.ca.gov).**

**For disposal, please comply with local regulations.**

**SINOBOOM**



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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](http://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.**



# APPLICABLE MODELS

The manual applies to the following models and serial numbers:

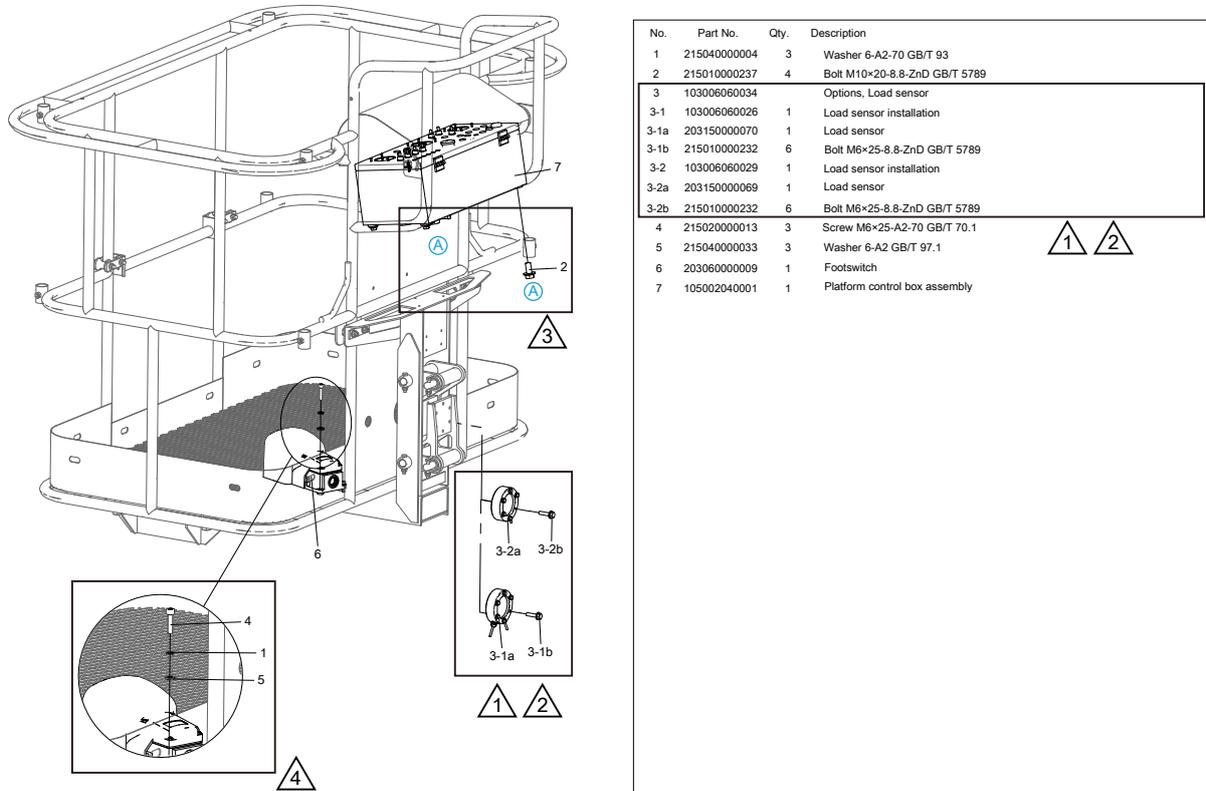
<b>Model</b>	<b>Metric Trade Name</b>	<b>Imperial Trade Name</b>	<b>Serial No.</b>
0407EN	0407EN	1530EN	From 0109000100 to present

## Note:

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

# NOTE

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



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

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

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

### Nameplate Illustration Sample



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

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



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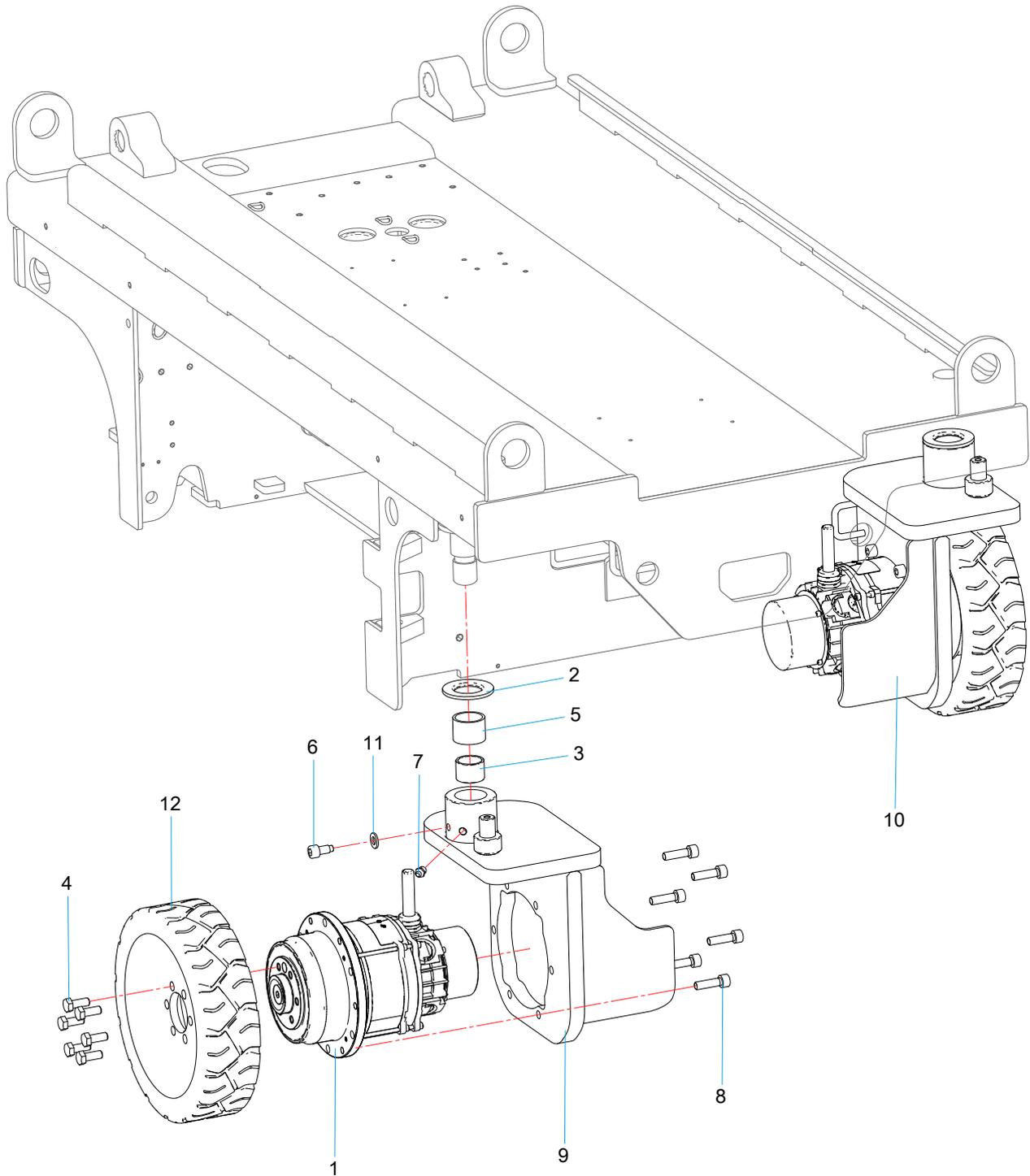
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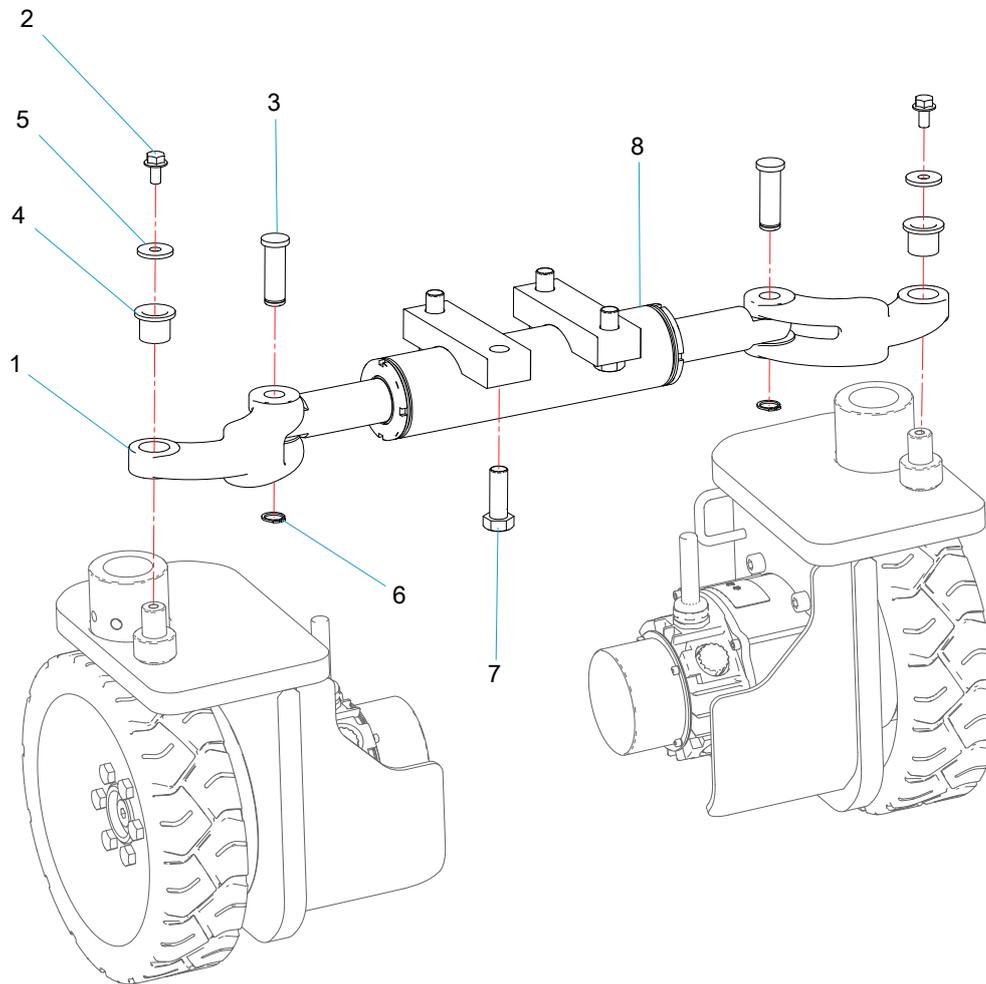
# 1 CHASSIS ASSEMBLY

## 1.1 DRIVE INSTALLATION



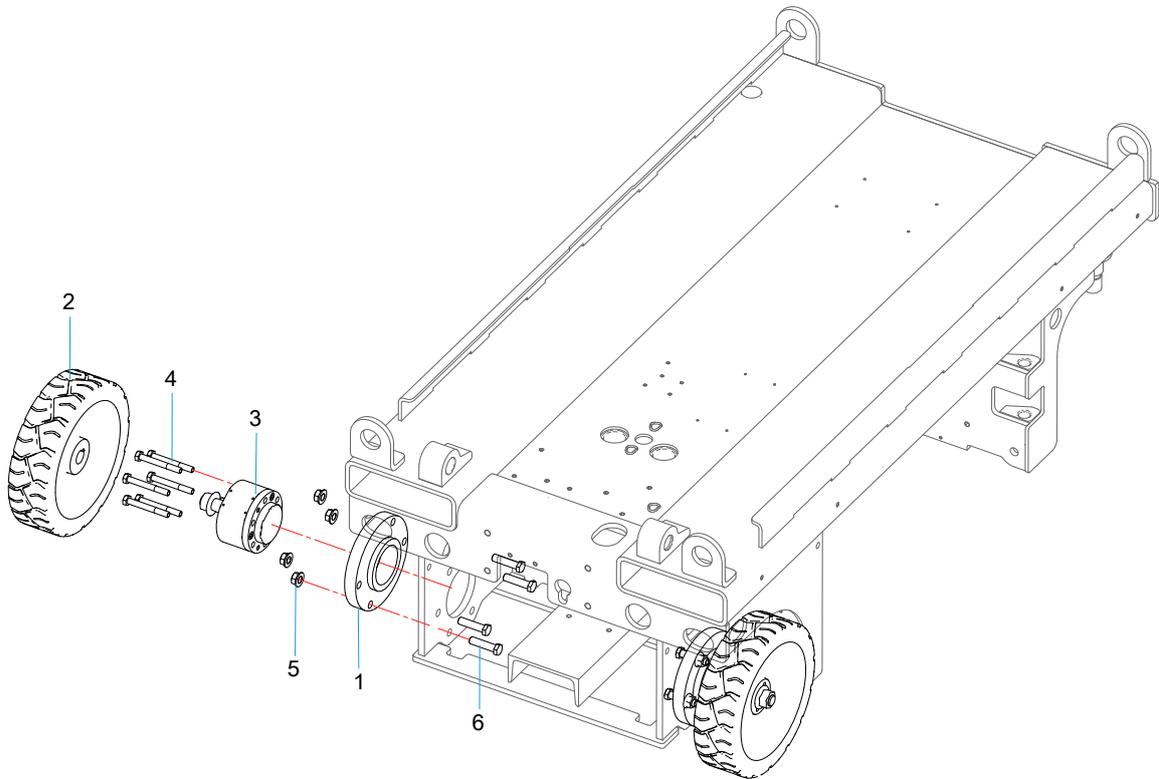
No.	Part No.	Qty.	Description
1	101090030006		Options, drive reducer
1-1	203010003171	2	Driving SYS, drive reducer (DC)(SC: 1000321)
1-1a	204020003064	1	Seal kit, Drive reducer
1-2	204020003101	2	Reducer, travel(SC: 1000056)
1-2a	204020003108	1	Seal kit, Drive reducer
2	101032030084	2	Shim
3	214030003098	2	Self-lubricating bearing , 30×36×25
4	215010000069	12	Bolt M10×25-8.8-ZnD GB/T 5783
5	214030000069	2	Bushing, self-lubricating
6	101040030102	2	Special bolt
7	207010000003	2	Grease nipple M10×1 GB/T 1152
8	215020000051	12	Screw M10×35-8.8-ZnD GB/T 70.1
9	101090030010	1	Wheel carrier, Right [G]
10	101090030011	1	Wheel carrier, Left [G]
11	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
12	204080003094	2	Tire, solid (non-marking, ELEC scissor lift, 280×76)

## 1.2 STEER INSTALLATION



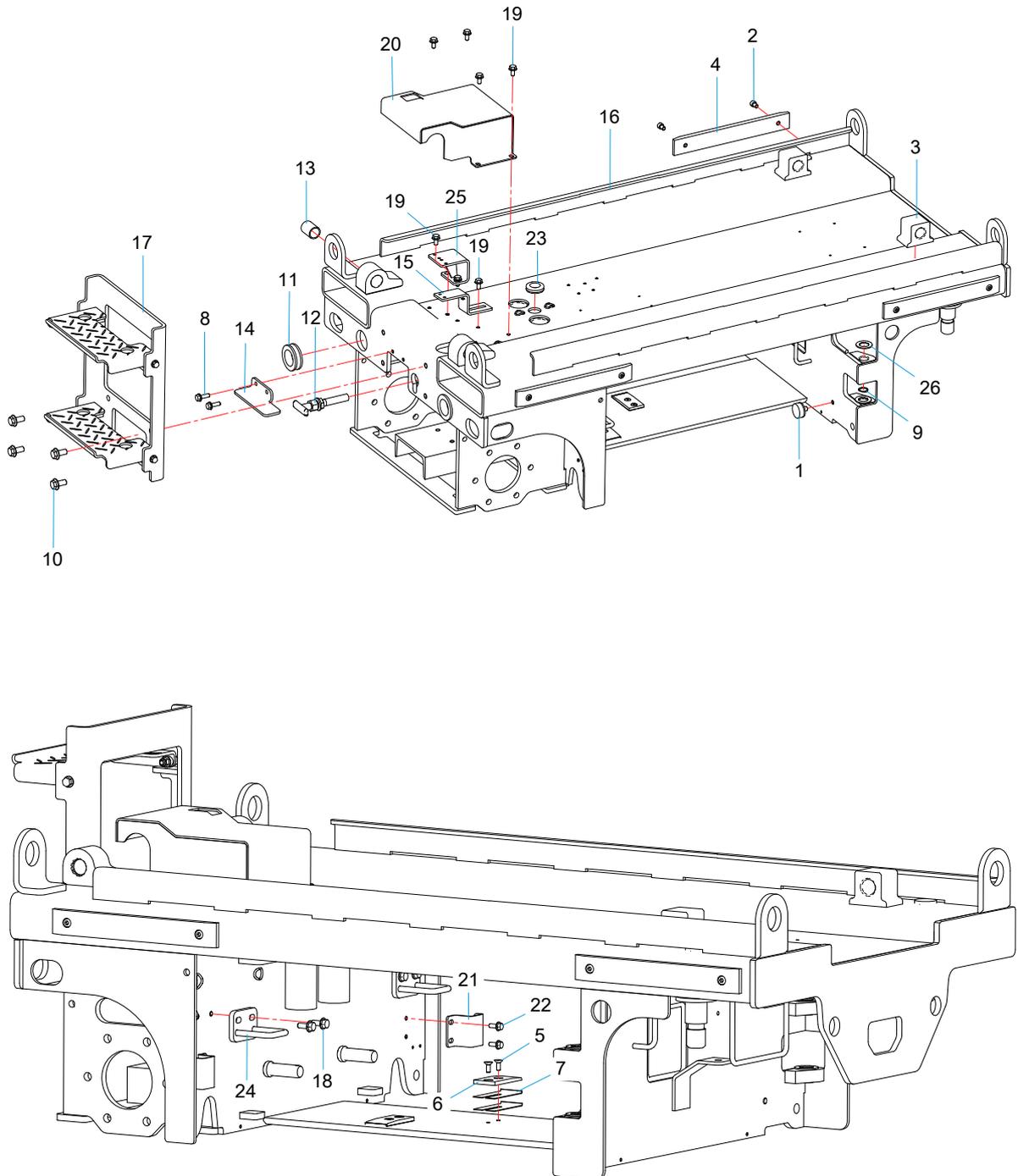
No.	Part No.	Qty.	Description
1	101042030017	2	Steer linkage
2	21501000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
3	101048033028	2	Pin XJΦ16×55
4	21401000029	2	Bearing 20×24-20
5	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
6	215040000134	2	Ring, retaining 16-DKL JB/ZQ 4342
7	21501000220	4	Bolt M14×1.5×40-10.9-DKL GB/T 5786
8	101072053018	1	Steering cylinder(A)
8a-1	207990003996	1	Seal kit, cylinder(SC: 1000026)
8a-2	207990004130	1	Seal kit, cylinder(SC: 1000898)
8a-3	207990004206	1	Seal kit, cylinder(SC: 1000792)

### 1.3 REAR WHEEL INSTALLATION



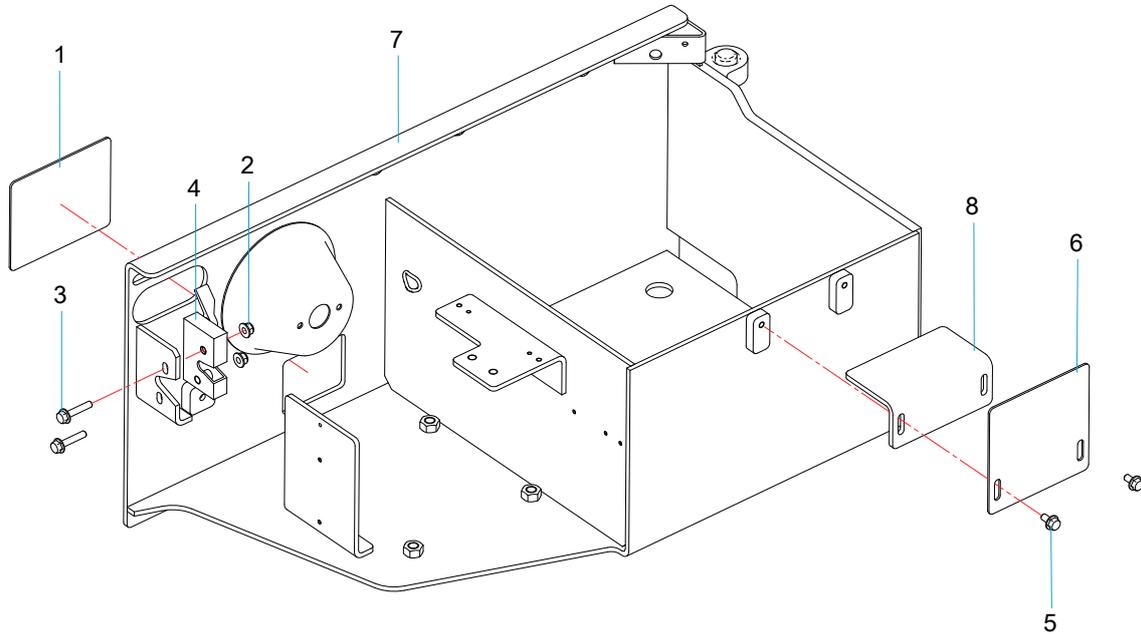
No.	Part No.	Qty.	Description
1	101090030013	2	Plate, flange
2	204080003078	2	Wheel, 280×76
3	202050003001	2	Bearing seat
4	215010000012	12	Bolt M10×80-8.8-ZnD GB/T 5782
5	215030000093	8	Hexagon flange nut 1/2-13UNC-GR8-DKL ASME B18.2.3
6	215080003021	8	Hex Bolt 1/2-13UNC-2-GR8-DKL ASME B18.2.1

# 1.4 CHASSIS ACCESSORY INSTALLATION



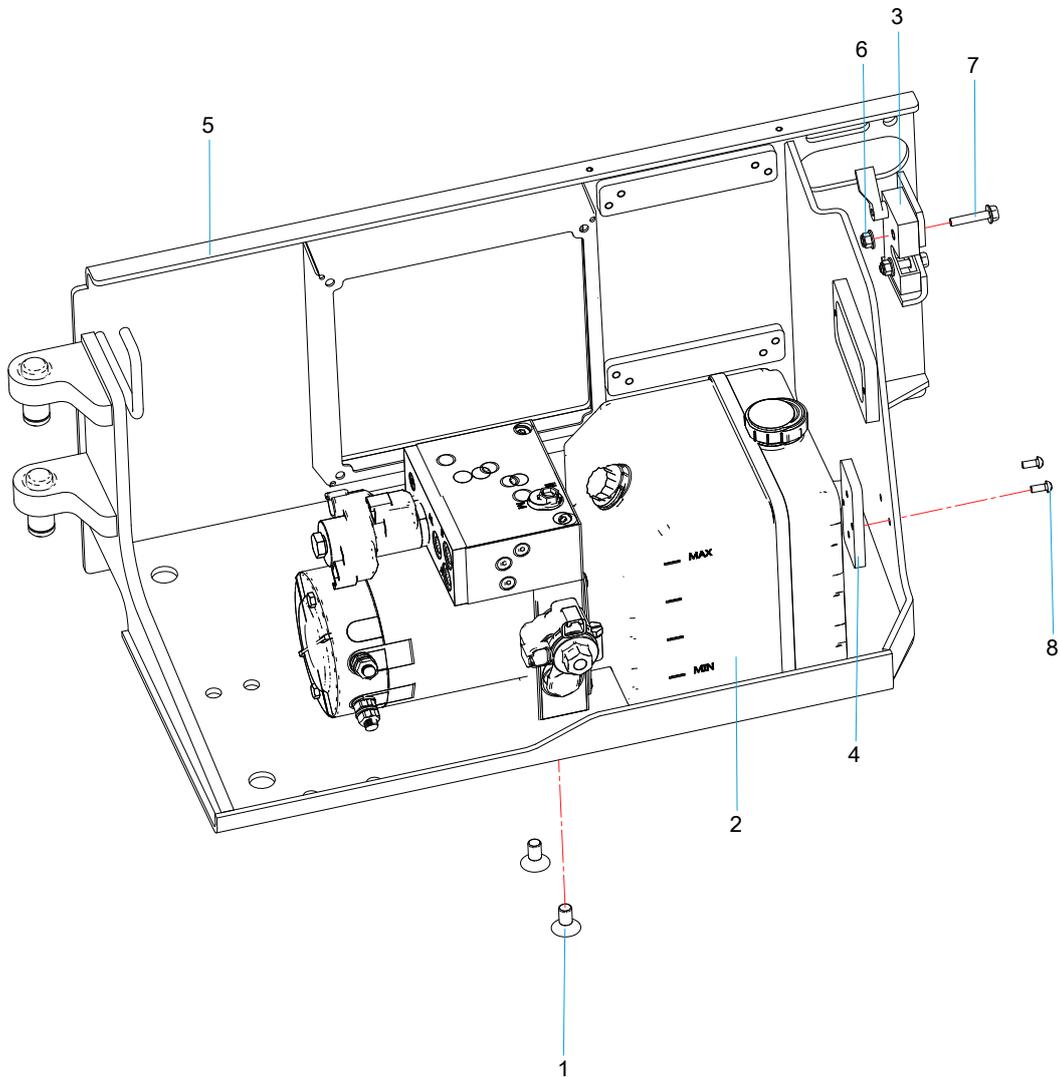
No.	Part No.	Qty.	Description
1	101040030098	2	Pad, buffer
2	215020000021	8	Screw M8×12-8.8-ZnD GB/T 70.1
3	101092030036	2	Sliding block
4	101092030068	4	Plate
5	215020000236	4	Screw M6×16-A2-70 GB/T 70.3
6	101092030085	2	Pad
7	101015030029	2	Shim
8	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
9	215040000083	4	Retaining ring 20-DKL GB/T 894.1
10	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
11	102004030245	2	Rubber grommet
12	204100000018	1	Emergency lowering shaft(with Steel Wire Rope)
13	214030000080	2	Self-lubricating bearing
14	101092030089	1	Folded plate
15	101079013065	1	Folded plate
16	101092030007	1	Chassis WELD, ASSY [Z]
17	101092030037	1	Ladder
18	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
19	215010000286	7	Bolt M8×16-8.8-ZnD GB/T 5789
20	101092030032	1	Plate, cover
21	101014030107	2	Bracket
22	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
23	101032030095	1	Rubber grommet
24	101079033057	2	Latch
25	101092030074	1	Bracket
26	101079033094	4	Block, cushion

## 1.5 LEFT DOOR ASSEMBLY



No.	Part No.	Qty.	Description
1	101077033096	1	Plate
2	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
3	215010000282	2	Bolt M6×30-8.8-ZnD GB/T 5789
4	209050000021	1	Lock cylinder
5	215010000281	2	Bolt M6×12-8.8-ZnD GB/T 5789
6	101092030092	1	Plate
7	101092030064	1	Weldment, left door
8	101092030086	1	Folded plate

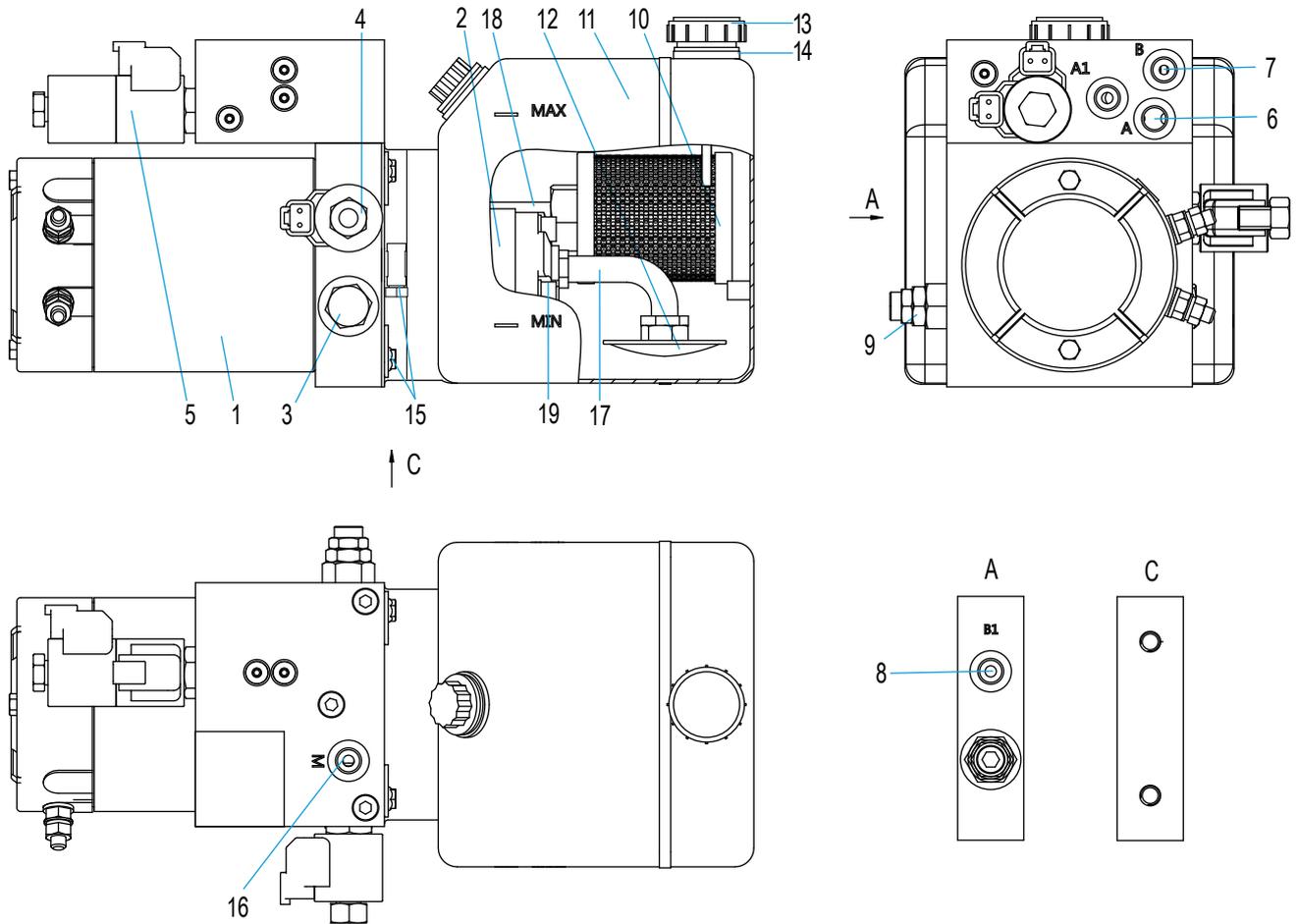
1.6 RIGHT DOOR ASSEMBLY



No.	Part No.	Qty.	Description
1	215020000274	2	Screw M10×20-8.8-ZnD GB/T 70.3
2	101040033141		Power unit (2.1ml/r) options
2-1	202010003045	1	Power unit(SC: 1000106, Lead-Acid Battery Configuration)
2-2	202010003059	1	Power unit(SC: 1000631, Lithium Battery Configuration)
2-3	202010003070	1	Power unit(SC: 1000106, Lead-Acid Battery Configuration)
2-4	202010003101	1	Power unit(SC: 1000631, Lithium Battery Configuration)
3	209050000020	1	Lock cylinder
4	101090030017	1	Plate
5	101090030009	1	Box WELD, chassis (R) [Z]
6	215030000107	2	Nut M6-8-ZnD GB/T 6183.1

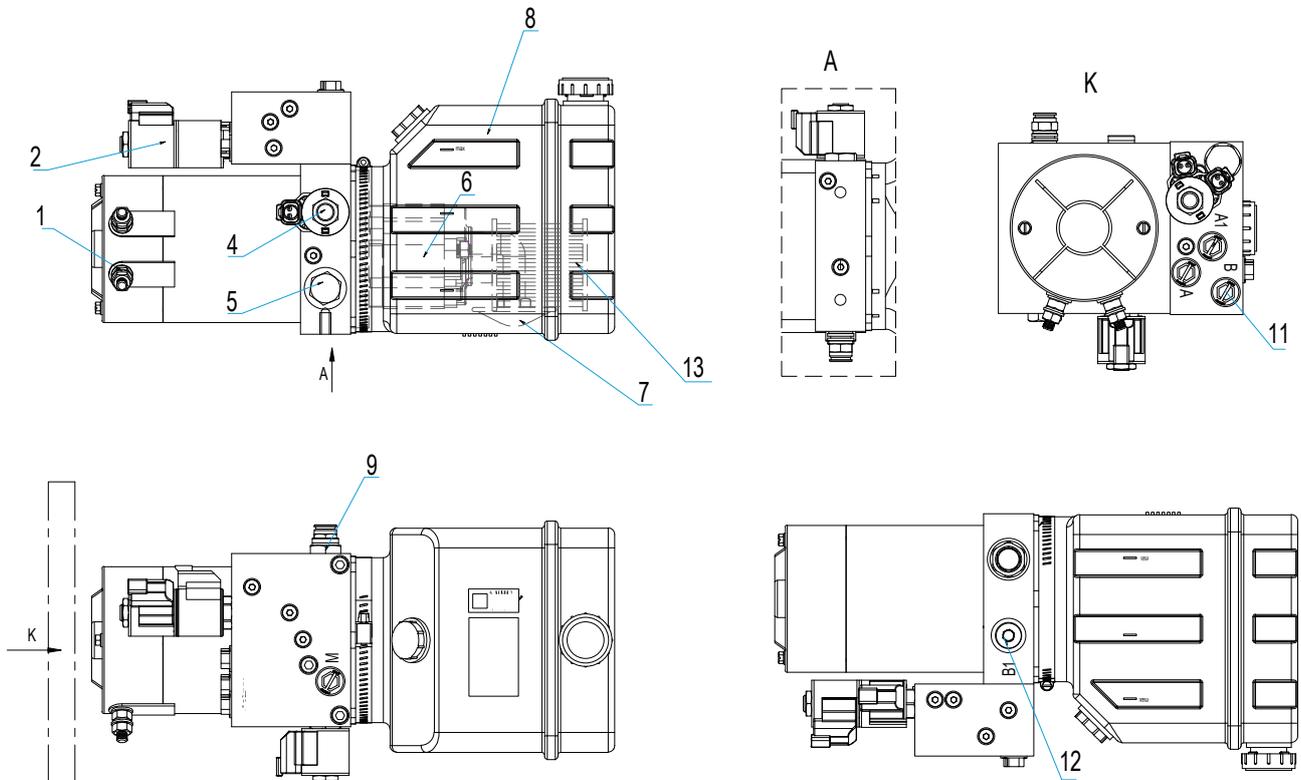
No.	Part No.	Qty.	Description
7	215010000282	2	Bolt M6×30-8.8-ZnD GB/T 5789
8	215020000110	2	Screw M5×12-A2-70 GB/T 818

## 1.7 POWER UNIT (PN.202010003045)



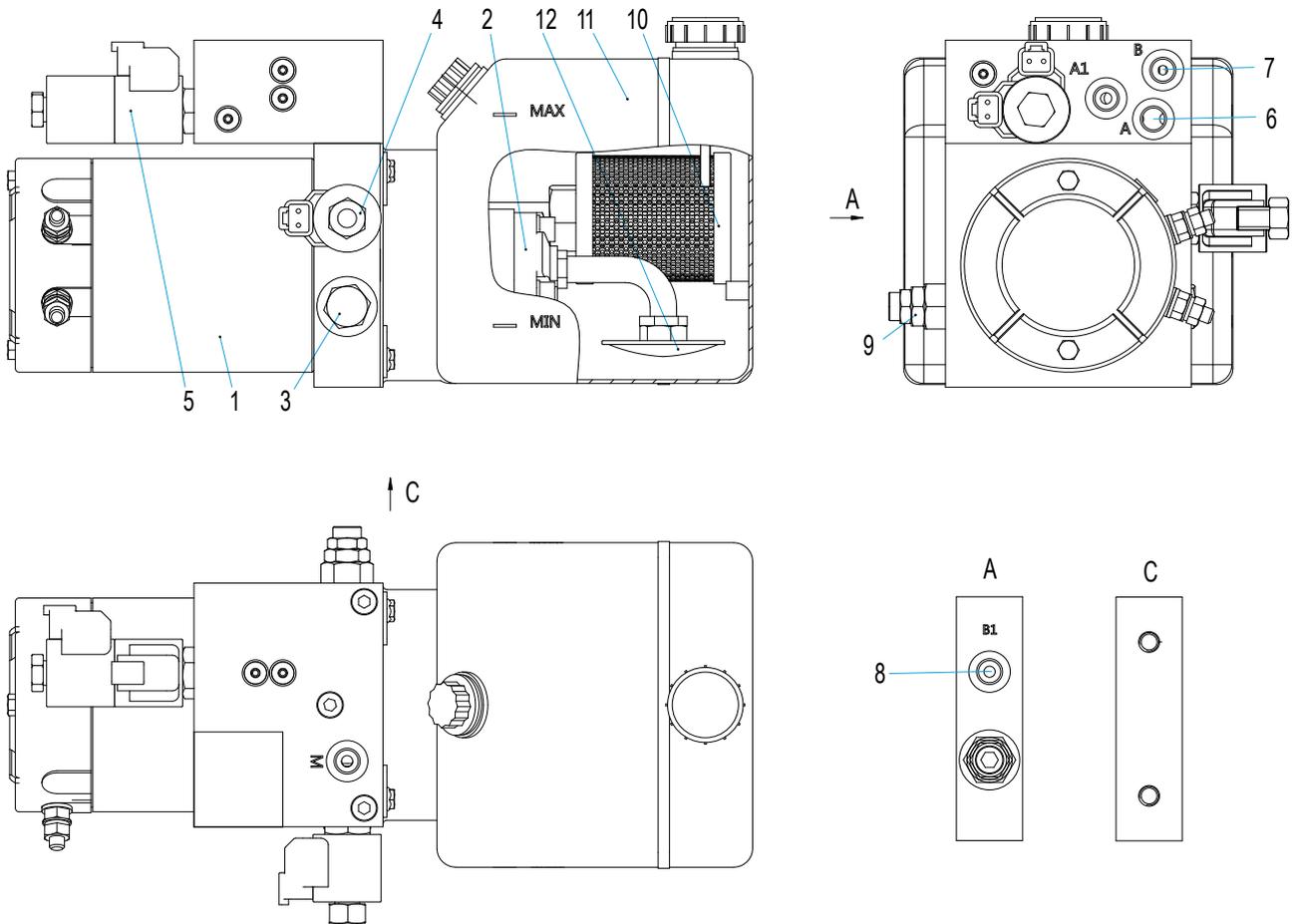
No.	Part No.	Qty.	Description
1	203010003043	1	DC motor
1a	203990003016	1	Carbon brush
2	202990003113	1	Gear pump
2a	207990003038	1	Seal kit, gear pump
3	202040003349	1	Check valve
4	202040003289	1	Cartridge solenoid valve, 2-position 4-way
5	202040003290	1	Cartridge solenoid valve, 3-position 4-way
6	202130000006	2	Damper plug
8	202990003135	1	Shaped damper
9	202990003015	1	Relief valve
10	202990003133	1	Return filter, in-tank
11	202990003134	1	Hydraulic tank
12	202080003005	1	Filter screen
13	202070003025	1	Filter, air

1.8 POWER UNIT (PN.202010003059)



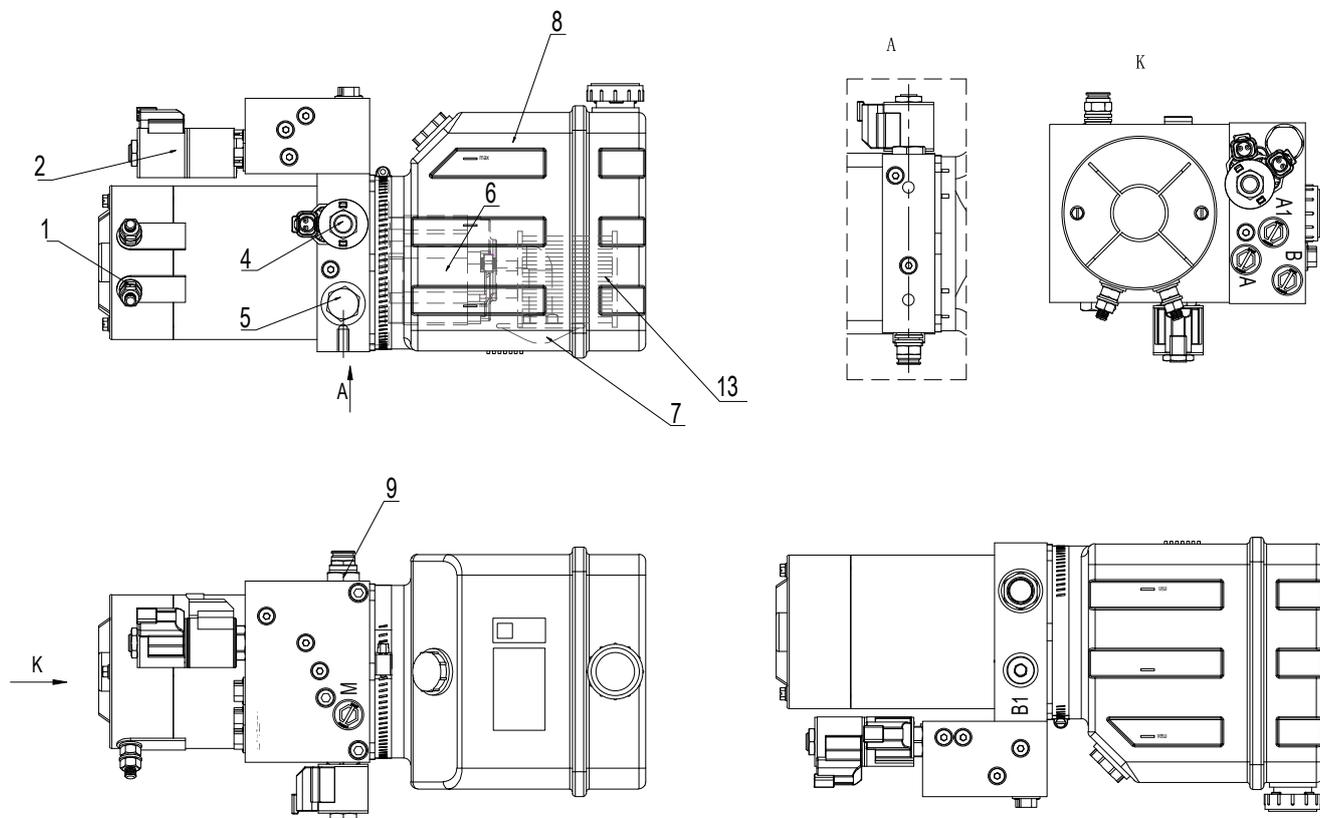
No.	Part No.	Qty.	Description
1	203010003052	1	DC motor
1a	203990003060	1	Carbon brush
2	202040003290	1	Cartridge solenoid valve, 3-position 4-way
4	202040003289	1	Cartridge solenoid valve, 2-position 4-way
5	202040003556	1	Check valve
6	202010003107	1	Pump, gear
6a	207990003389	1	Seal kit, gear pump
7	202990003345	1	Strainer
8	202990003347	1	Hydraulic tank
9	202990003343	2	Relief valve
11	202130003003	1	Damper
12	202130003036	2	Damper
13	202990003133	1	Return filter, in-tank

1.9 POWER UNIT (PN.202010003070)



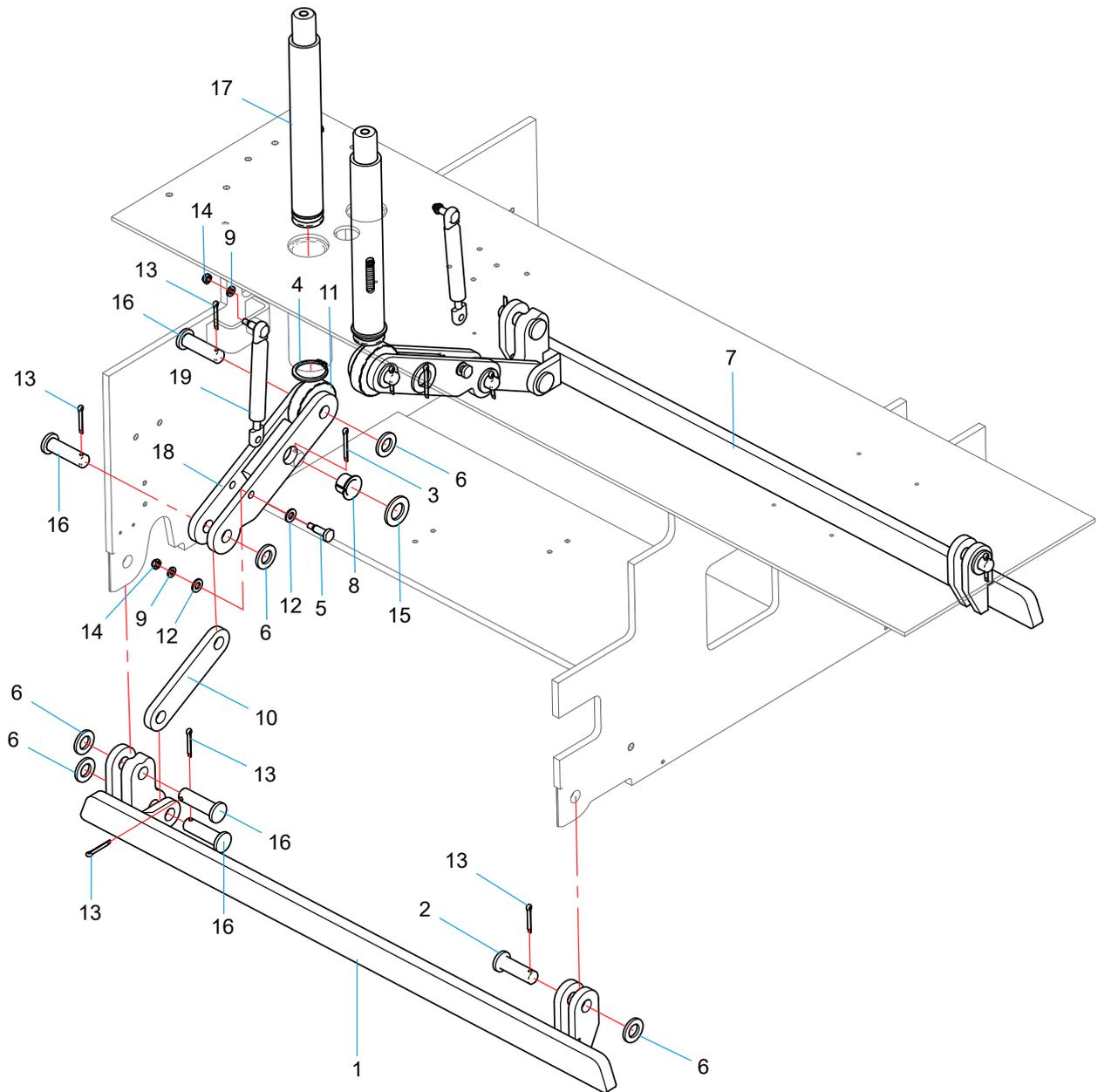
No.	Part No.	Qty.	Description
1	203010003043	1	DC motor
2	202990003113	1	Gear pump
3	202040003349	1	Check valve
4	202990003112	1	Cartridge solenoid valve, 2-position 4-way
5	202990003111	1	Solenoid directional valve, 3-position 4-way
6	202130000006	1	Damper plug
7	202130000006	1	Damper plug
8	202990003135	1	Shaped damper
9	202990003015	1	Relief valve
10	202990003133	1	Return filter, in-tank
11	202990003134	1	Hydraulic tank
12	202080003005	1	Filter screen

1.10 POWER UNIT (PN.202010003101)



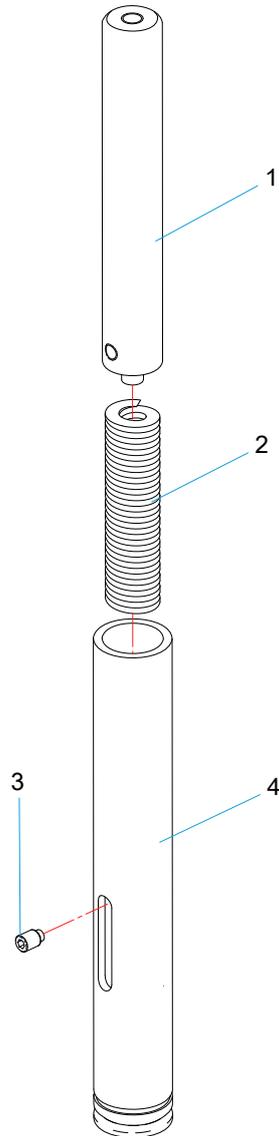
No.	Part No.	Qty.	Description
1	203010003052	1	DC motor
1a	203990003060	1	Carbon brush
2	202990003111	1	Solenoid directional valve, 3-position 4-way
4	202990003112	1	Cartridge solenoid valve, 2-position 4-way
5	202040003556	1	Check valve
6	202010003107	1	Pump, gear
6a	207990003389	1	Seal kit, gear pump
7	202990003345	1	Strainer
8	202990003347	1	Hydraulic tank
9	202990003343	2	Relief valve
11	202130003036	2	Damper
12	202130003003	1	Damper
13	202990003133	1	Return filter, in-tank

## 1.11 POTHOLE PROTECTION INSTALLATION



No.	Part No.	Qty.	Description
1	101092030006	1	Pothole protection plate, Right
2	215060000064	2	Clevis pin B16×50-ZnD GB/T 882
3	215060000007	2	Pin 4×32-ZnD GB/T 91
4	215040000107	2	Ring, retaining 38-DKL JB/ZQ 4342
5	101014030008	4	Pin XJΦ8-34
6	215040000039	10	Washer 16-200HV-ZnD GB/T 97.1
7	101092030005	1	Pothole protection plate, Left
8	214030000024	4	Bearing 20×23×16.5 SF-1F
9	215040000033	4	Washer 6-A2 GB/T 97.1
10	101040030052	2	Rod, linking
11	101014030007	2	Roller
12	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
13	215060000066	10	Pin 4×25-ZnD GB/T 91
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	215040000041	2	Washer 20-200HV-ZnD GB/T 97.1
16	215060000039	8	Clevis pin B15×55-ZnD GB/T 882
17	101092030083	2	Spring Support
18	101040030005	2	Link
19	210010000075	2	Gas strut

1.12 SPRING SUPPORT

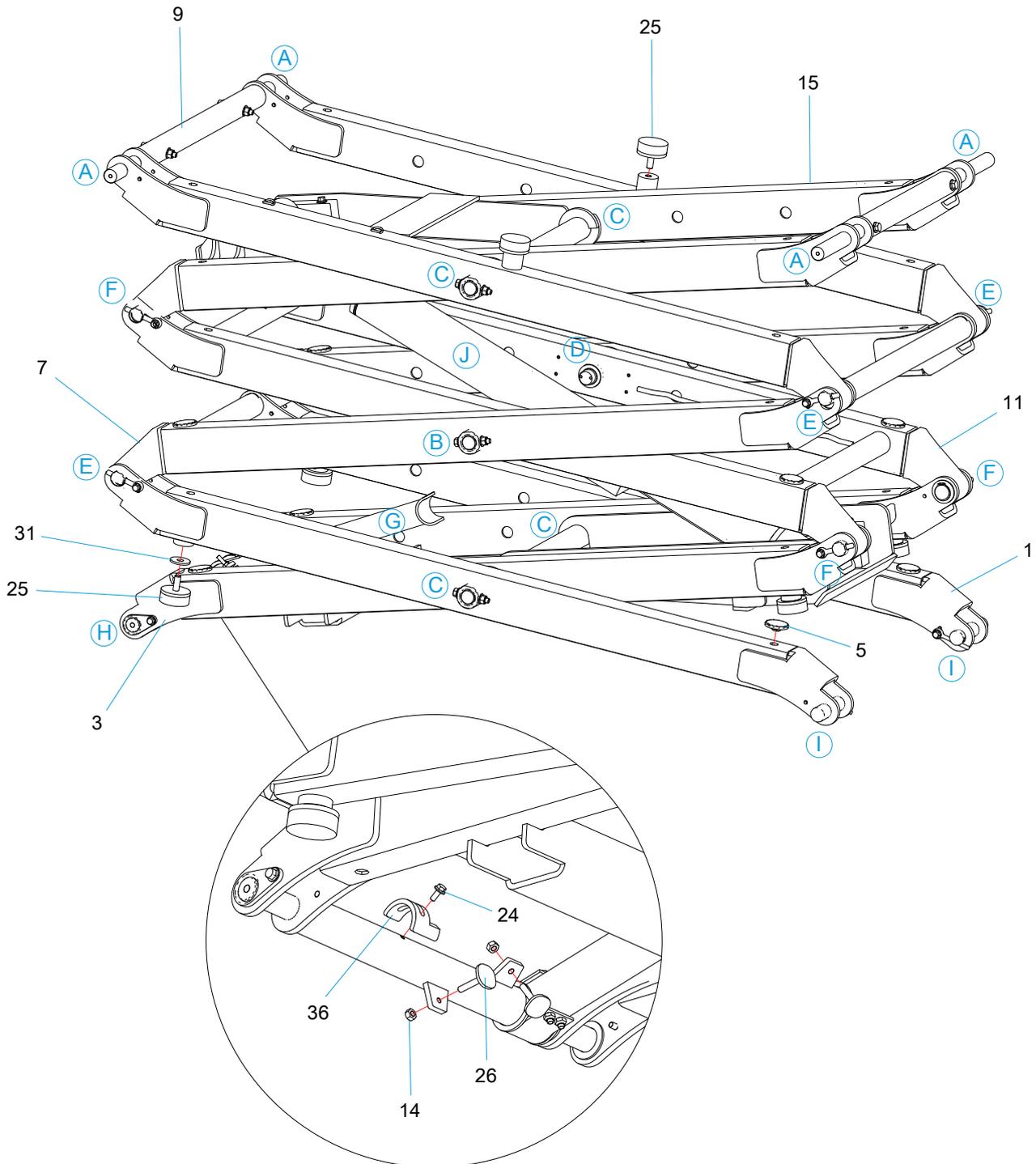


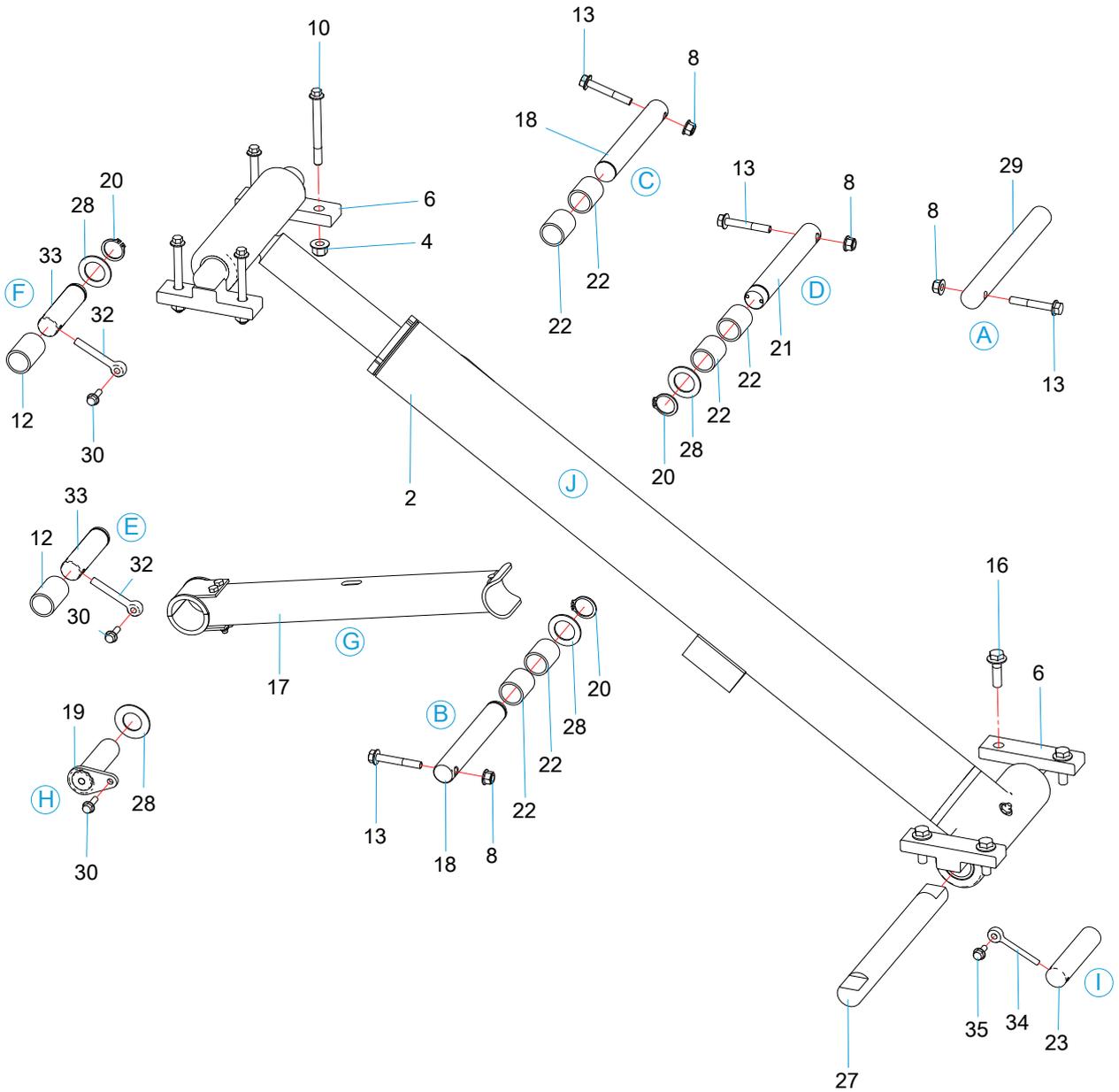
No.	Part No.	Qty.	Description
1	101092030082	1	Pin XJΦ27.5-192[Z]
2	210070000008	1	Spring
3	215020000190	1	Screw M8×12-45H GB/T 79
4	101028030054	1	Steel cylinder

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## **2** SCISSOR ASSEMBLY

2.1 0407EN SCISSOR ASSEMBLY



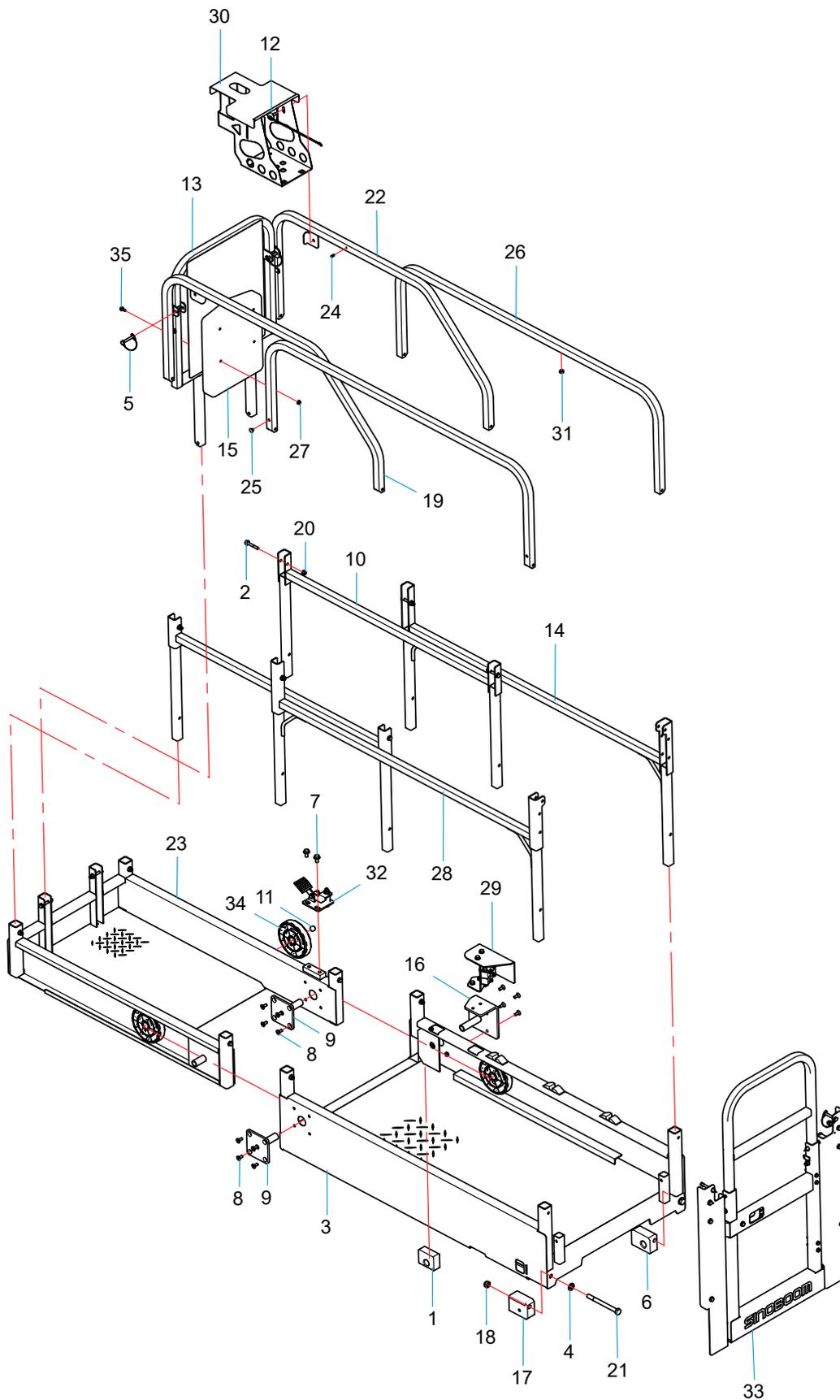


No.	Part No.	Qty.	Description
1	101090010003	1	Arm,outer I [G]
2	101090050001	1	Lift cylinder(B)
2a-1	207990004125	1	Seal kit, cylinder(SC: 1000026)
2a-2	207990004131	1	Seal kit, cylinder(SC: 1000898)
3	101090010009	1	Arm,inner I [G]
4	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
5	101016010055	8	Pad
6	101093010060	4	Plate
7	101090010008	1	Arm,outer II [G]
8	215030000121	10	Nut M8-10-ZnD GB/T 6183.1
9	101090010006	1	Arm , outer III [G]
10	215010000213	4	Bolt M10×90-10.9-DKL GB/T 16674
11	101090010007	1	Arm,inner II [G]
12	214030003102	8	Self-libracating25×30×48
13	215010000288	10	Bolt M8×55-8.8-ZnD GB/T 5789
14	215030000004	2	Nut M6-A2-70 GB/T 6170
15	101090010002	1	Arm,inner III [G]
16	215010000268	4	Bolt M10×35-10.9-DKL GB/T 5789
17	101040010042	1	Safty arm
18	101040010009	5	Shaft XGΦ25-167 [Z]
19	101093010054	2	Shaft weldment
20	215040100004	6	Retaining ring 25-DKL JB/ZQ 4342
21	101093010040	1	ShaftXGΦ25-189[Z]
22	214030000080	12	Self-lubricating bearing
23	101093010026	2	Shaft XGΦ25-105[Z]
24	215010000279	1	Bolt M5×12-8.8-ZnD GB/T 5789
25	216040000008	6	Shock pad
26	101015030022	2	Special bolt
27	101093010014	2	Shaft XGΦ30-266 [Z]
28	101040010021	8	Ring, retaining
29	101092010003	4	Shaft XGΦ25-220 [Z]
30	215010000231	10	Bolt M6×20-8.8-ZnD GB/T 5789
31	215040000125	4	Washer 10-100HV-ZnD GB/T 5287
32	101092010009	8	Pin , keeper ( Φ8-60 )
33	101092010010	8	Shaft XG Φ25-93 [Z]
34	102001010048	2	Keeper pin Φ6-60
35	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789
36	101093010047	1	Adjusting ring

# **3 PLATFORM ASSEMBLY**

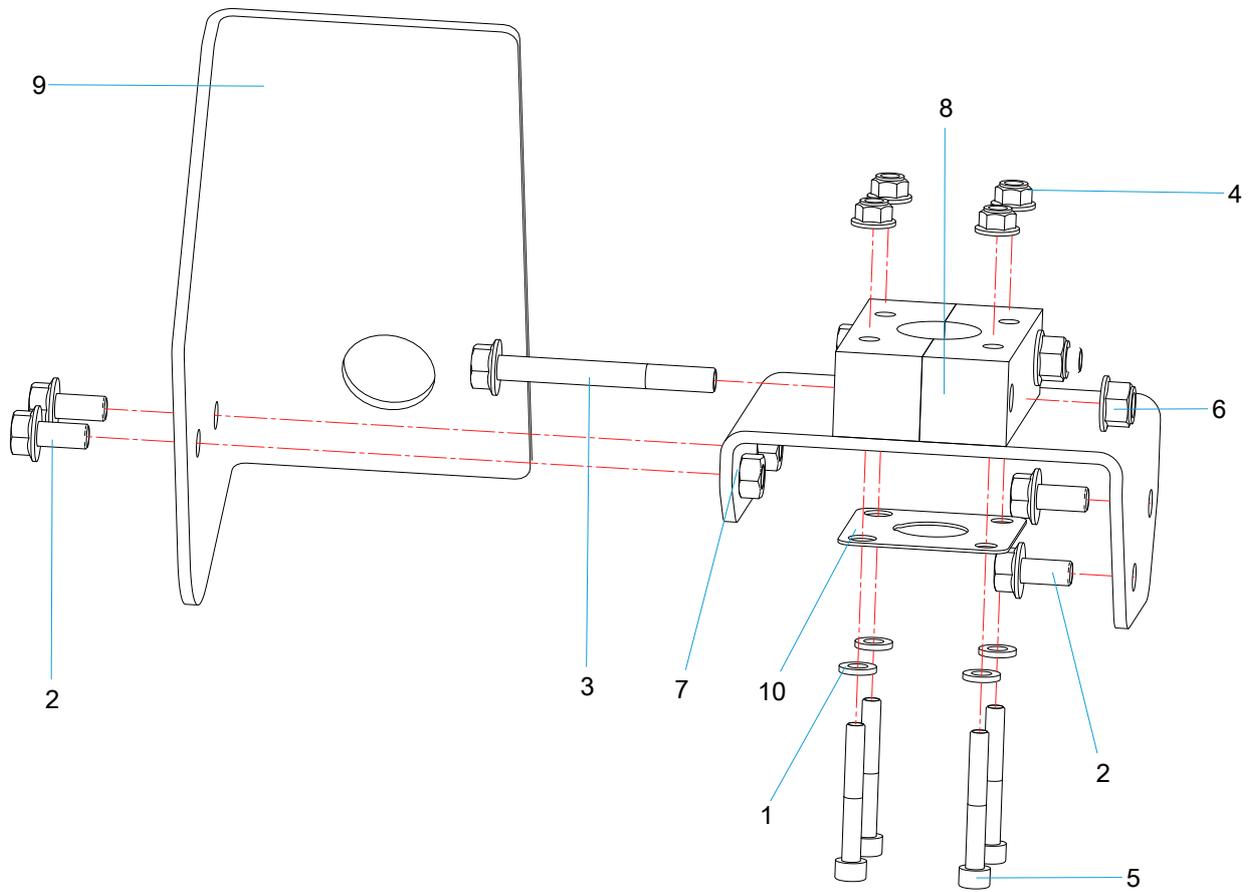
### 3.1 PLATFORM ASSEMBLY (CHINESE SPECS)

3.1.1 PLATFORM ASSEMBLY (CHINESE SPECS)



No.	Part No.	Qty.	Description
1	101093040013	2	Slider block upper
2	215010000288	16	Bolt M8×55-8.8-ZnD GB/T 5789
3	101093040009	1	Platform, fixed [Z]
4	215040000119	2	Washer 14-200HV-ZnD GB/T 97.1
5	209020000007	4	Safety pin
6	101093040031	1	Slider block upper
7	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
8	215020000226	16	Screw M8×20-8.8-ZnD GB/T 70.3
9	101039040024	3	Pulley bracket
10	101093040015	2	Guardrail lower
11	101016040136	4	Slider block
12	209030003013	1	Bolt M8 with chain
13	101077043020	1	Guardrail front
14	101093040022	1	Guardrail lower
15	216070000001	1	Manual storage container
16	101072043015	1	Pulley bracket
17	101093040032	1	Slider block upper
18	215030000080	2	Nut M14-8-ZnD GB/T 6184
19	101093040017	1	Guardrail upper
20	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
21	215010000223	2	Bolt M14×155-8.8-ZnD GB/T 5782
22	101093040019	1	Guardrail upper
23	101093040012	1	Extensible platform[Z]
24	215050000012	1	Blind rivet 4×8-ZnD GB/T 12618.2
25	209010000002	4	Anti-collision rubber head
26	101093040023	2	Square tube
27	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
28	101093040021	1	Guardrail lower
29	101077043059	1	Plug support assembly
30	101079043116		Support options
30-1	101014040046	1	Bracket(Standard Configuration)
30-2	101040043229	1	Bracket(HORNET RENTALS)
31	101014043005	26	Rubber choke plug
32	101079043057	1	Pedaling device
33	101077043058	1	Latch assembly
34	101093040029	4	Pulley
35	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789

3.1.2 PLUG SUPPORT ASSEMBLY



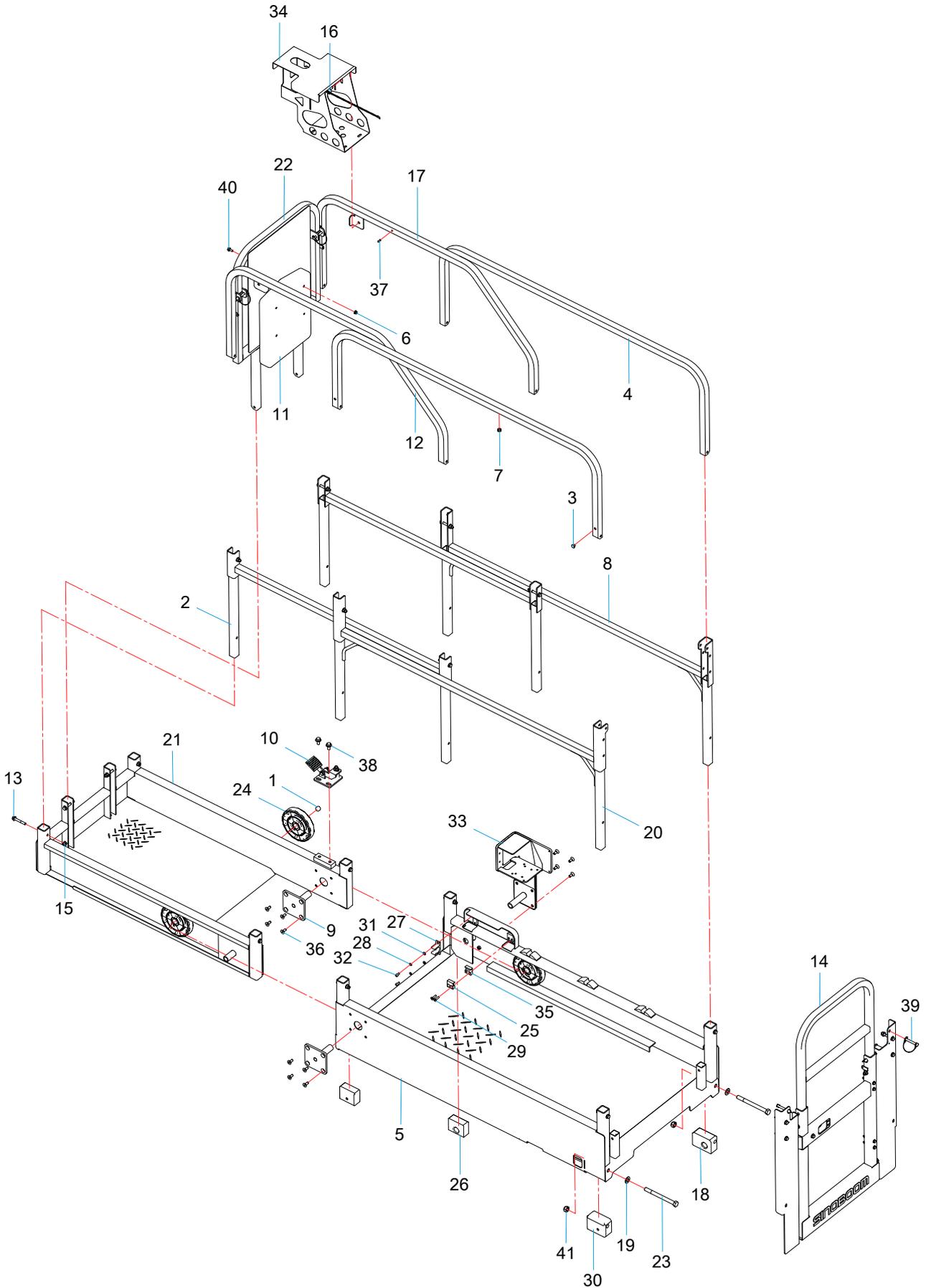
No.	Part No.	Qty.	Description
1	215040000033	4	Washer 6-A2 GB/T 97.1
2	215010000263	4	Bolt M8×16-10.9-DKL GB/T 5789
3	215010000317	2	Bolt M8×70-8.8-ZnD GB/T 5789
4	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
5	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
6	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
7	101072043027	1	Bracket
8	101072043024	2	Nylon block
9	101072043025	1	Folded plate
10	101072043026	1	Plate



No.	Part No.	Qty.	Description
1	101019040001	1	Spring
2	215010000287	2	Bolt M8×50-8.8-ZnD GB/T 5789
3	215010000284	4	Bolt M6×55-8.8-ZnD GB/T 5789
4	215010000257	1	Bolt M8×45-8.8-ZnD GB/T 5789
5	101012040056	1	Lock
6	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
7	101077043057	1	Guardrail
8	101077043049	1	Cover plate
9	209050003014	2	Hinge assembly
10	215010000288	6	Bolt M8×55-8.8-ZnD GB/T 5789
11	209020000007	2	Safety pin
12	215030000107	8	Nut M6-8-ZnD GB/T 6183.1
13	101077043052	1	Door
14	101077043054	1	Cover plate
15	215030000108	9	Nut M8-8-ZnD GB/T 6183.1

## 3.2 PLATFORM ASSEMBLY (EXCEPT CHINA)

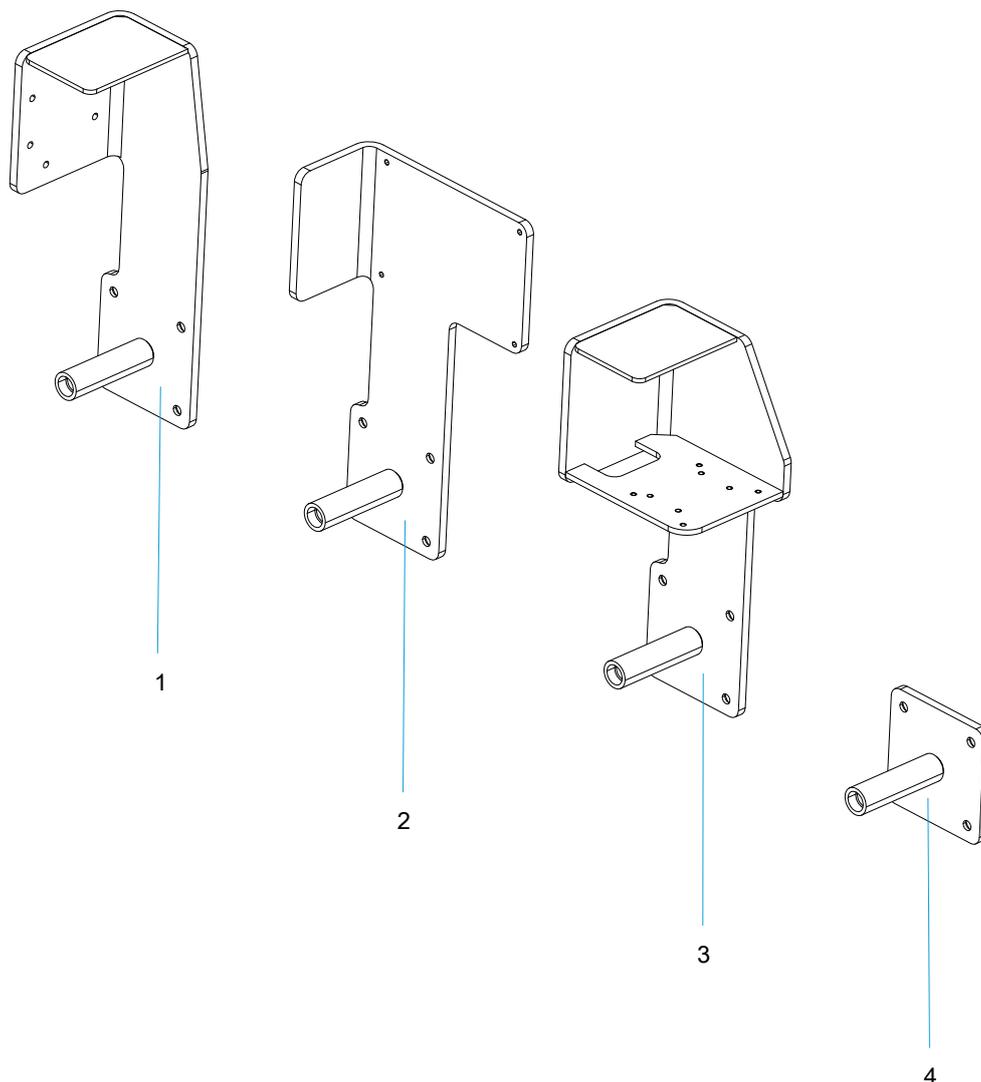
3.2.1 PLATFORM ASSEMBLY (EXCEPT CHINA)



No.	Part No.	Qty.	Description
1	101016040136	4	Slider block
2	101093040015	2	Guardrail lower
3	209010000002	4	Anti-collision rubber head
4	101093040023	2	Square tube
5	101090040001	1	Platform, fixed [Z]
6	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
7	101014043005	26	Rubber choke plug
8	101093040022	1	Guardrail lower
9	101039040024	3	Pulley bracket
10	101079043057	1	Pedaling device
11	216070000001	1	Manual storage container
12	101093040017	1	Guardrail upper
13	215010000288	16	Bolt M8×55-8.8-ZnD GB/T 5789
14	101077043058	1	Latch assembly
15	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
16	209030003013	1	Bolt M8 with chain
17	101093040019	1	Guardrail upper
18	101093040031	1	Slider block upper
19	215040000119	2	Washer 14-200HV-ZnD GB/T 97.1
20	101093040021	1	Guardrail lower
21	101093040012	1	Extensible platform[Z]
22	101077043020	1	Guardrail front
23	215010000223	2	Bolt M14×155-8.8-ZnD GB/T 5782
24	101093040029	4	Pulley
25	101040040069	1	Nylon block
26	101093040013	2	Slider block upper
27	101040040071	1	Clamp
28	215040000004	2	Washer 6-A2-70 GB/T 93
29	215020000230	2	Screw M6×25-A2-70 GB/T 70.3
30	101093040032	1	Slider block upper
31	215040000033	2	Washer 6-A2 GB/T 97.1
32	215020000010	2	Screw M6×12-A2-70 GB/T 70.1
33	101040043099	1	Socket support options
34	101014040046	1	Bracket
35	101040040070	1	Nylon block
36	215020000226	16	Screw M8×20-8.8-ZnD GB/T 70.3
37	215050000012	1	Blind rivet 4×8-ZnD GB/T 12618.2
38	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789

No.	Part No.	Qty.	Description
39	209020000007	4	Safety pin
40	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
41	215030000080	2	Nut M14-8-ZnD GB/T 6184

3.2.2 SOCKET SUPPORT OPTIONS



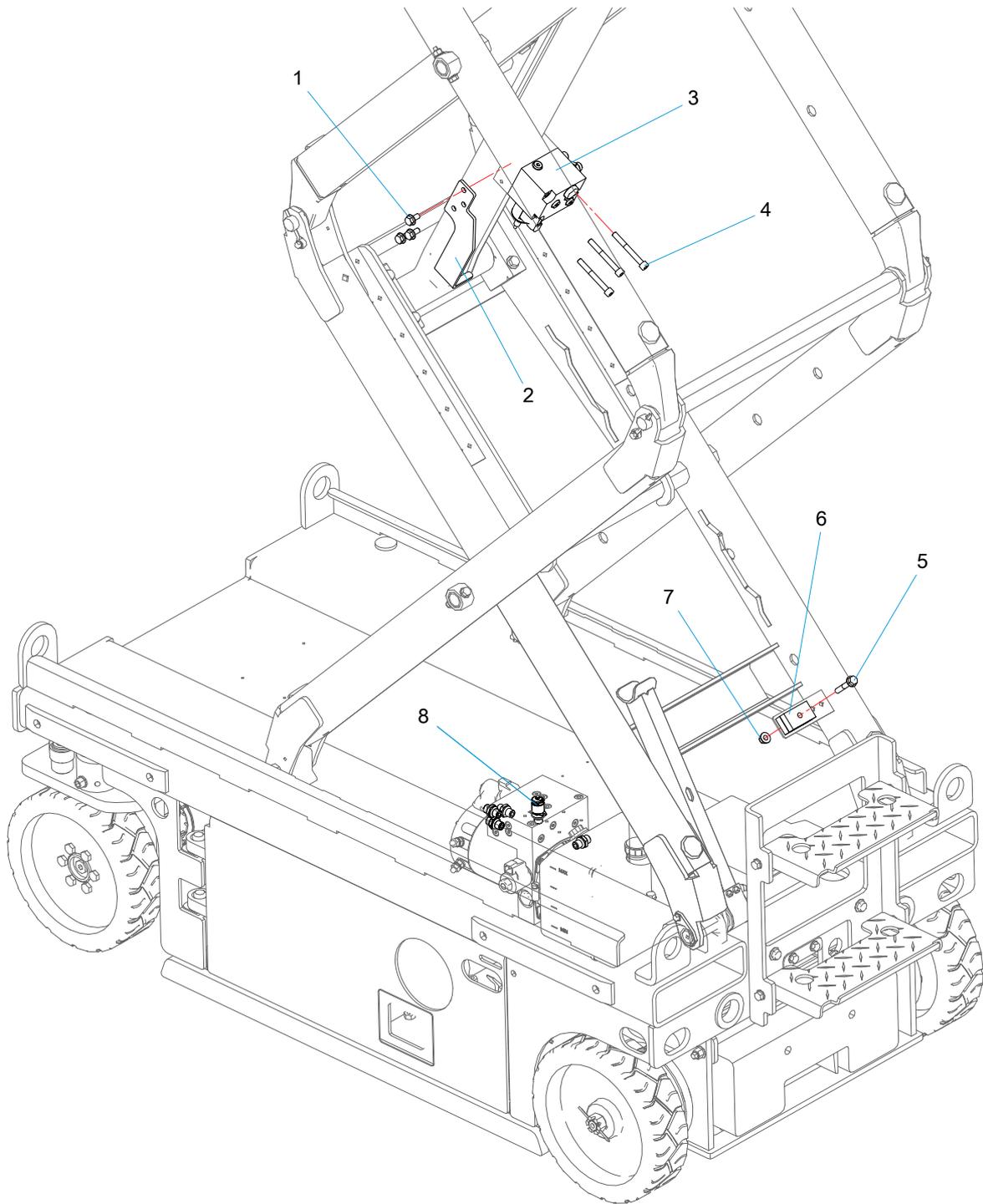
No.	Part No.	Qty.	Description
1	101039040024	1	Pulley bracket(Australia)
2	101056043154	1	Support(UK)
3	101056043091	1	Support(Nouth America)
4	101056043092	1	Bracket(China and Europe)



No.	Part No.	Qty.	Description
1	101019040001	1	Spring
2	215010000287	2	Bolt M8×50-8.8-ZnD GB/T 5789
3	215010000284	4	Bolt M6×55-8.8-ZnD GB/T 5789
4	215010000257	1	Bolt M8×45-8.8-ZnD GB/T 5789
5	101012040056	1	Lock
6	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
7	101077043057	1	Guardrail
8	101077043049	1	Cover plate
9	209050003014	2	Hinge assembly
10	215010000288	6	Bolt M8×55-8.8-ZnD GB/T 5789
11	209020000007	2	Safety pin
12	215030000107	8	Nut M6-8-ZnD GB/T 6183.1
13	101077043052	1	Door
14	101077043054	1	Cover plate
15	215030000108	9	Nut M8-8-ZnD GB/T 6183.1

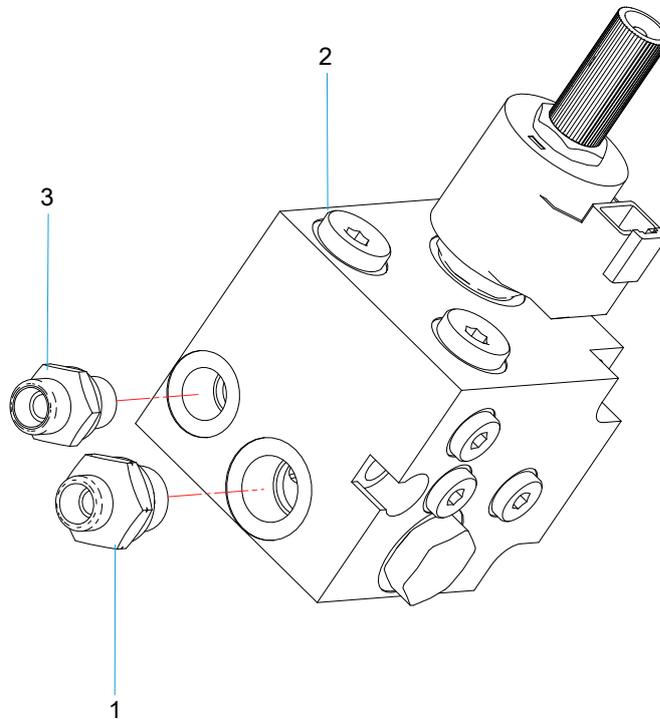
# 4 HYDRAULIC SYSTEM

### 4.1 HYDRAULIC COMPONENTS INSTALLATION



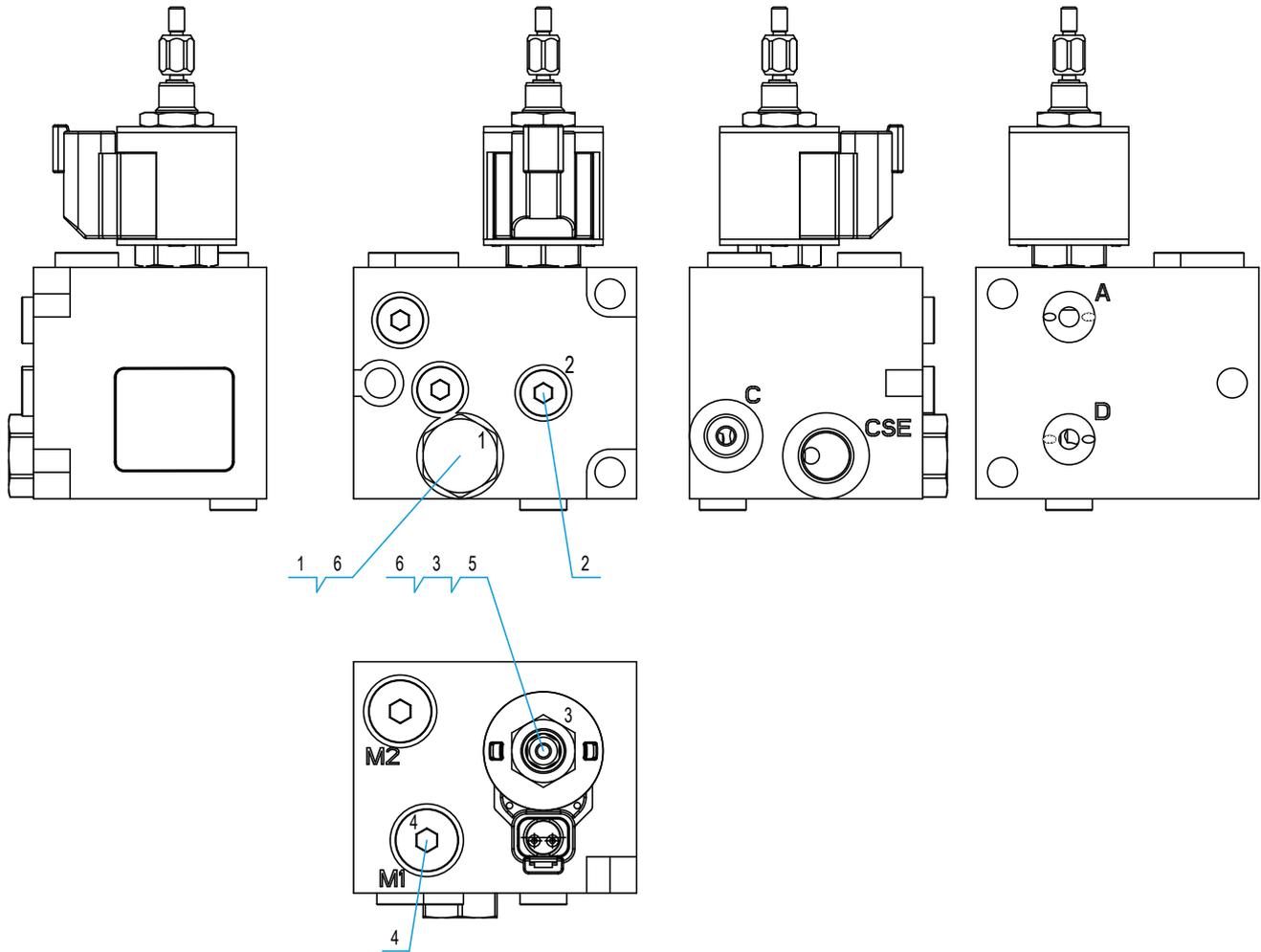
<b>No.</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Description</b>
1	215010000286	3	Bolt M8×16-8.8-ZnD GB/T 5789
2	101015050013	1	Bracket
3	101093050027	1	INST, fitting (control valve, lift)
4	215020000042	3	Screw M8×70-10.9-DKL GB/T 70.1
5	215010000257	1	Bolt M8×45-8.8-ZnD GB/T 5789
6	216010003001	1	Clamp
7	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
8	101072053006	1	Power unit & fittings installation

## 4.2 LIFT CONTROL VALVE AND FITTINGS INSTALLATION



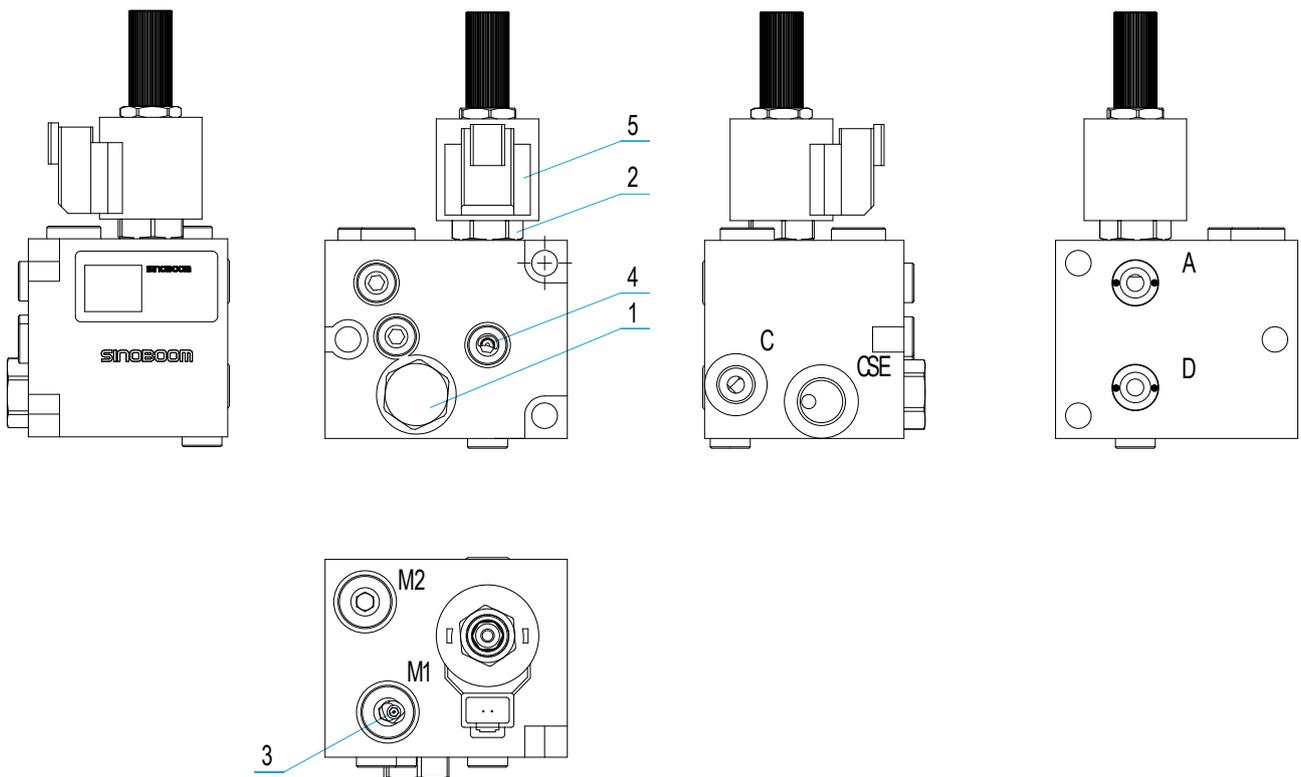
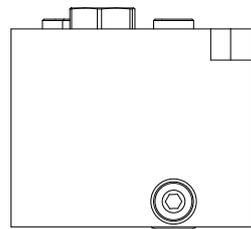
No.	Part No.	Qty.	Description
1	213010003146	1	Coupler
2-1	202040003901	1	Lift control manifold(Used when lead-acid battery is equipped, SC: 1000176)
2-2	202040003902	1	Valve, manifold (control, lift)(Used when lead-acid battery is equipped, SC: 1000851)
3	213010000007	1	Fitting

## 4.3 LIFT CONTROL VALVE (PN.202040003901)



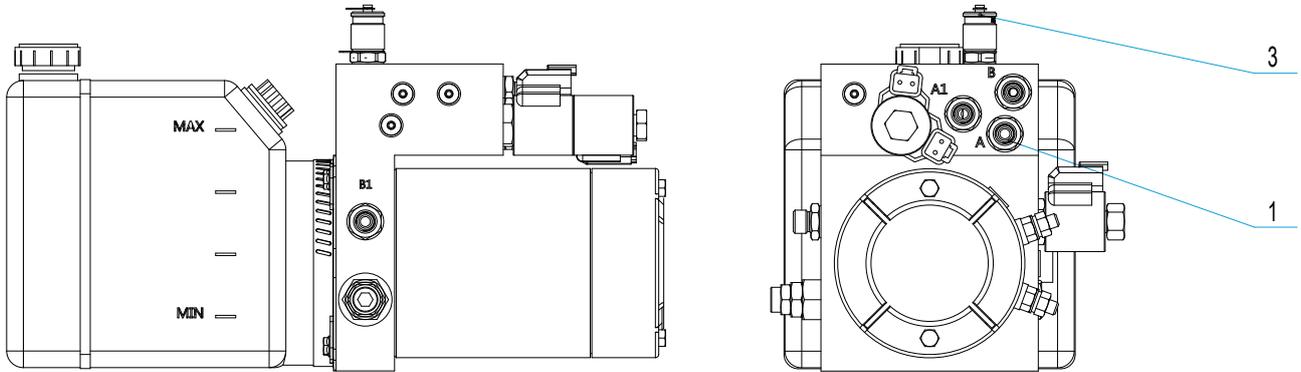
No.	Part No.	Qty.	Description
1	202990003071	1	Check valve
2	202130000002	1	Plug
3	202990000031	1	Solenoid valve spool, lower lifting
4	202130000007	1	Damper plug
5	202990000039	1	Coil
6	202080003008	2	Filter screen

4.4 LIFT CONTROL VALVE (PN.202040003902)



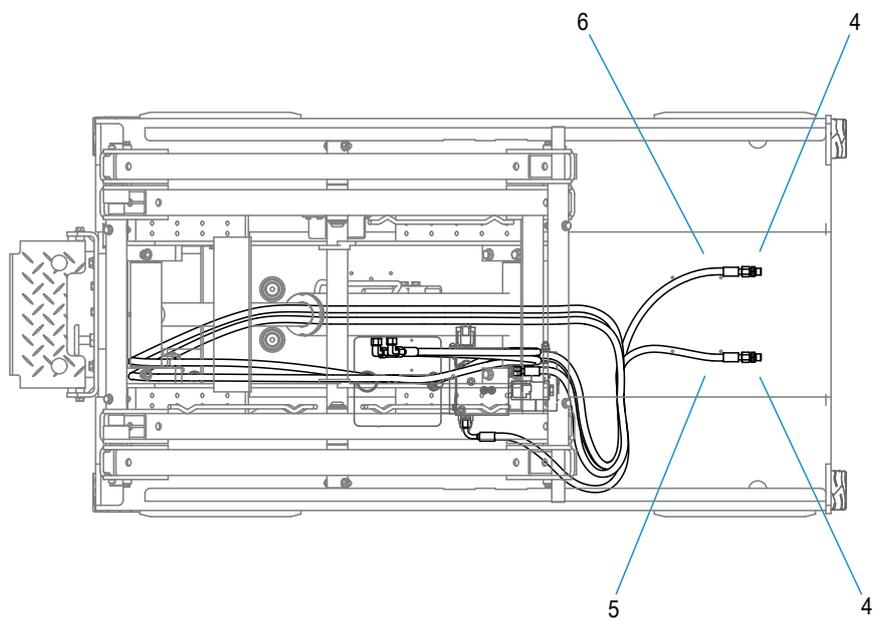
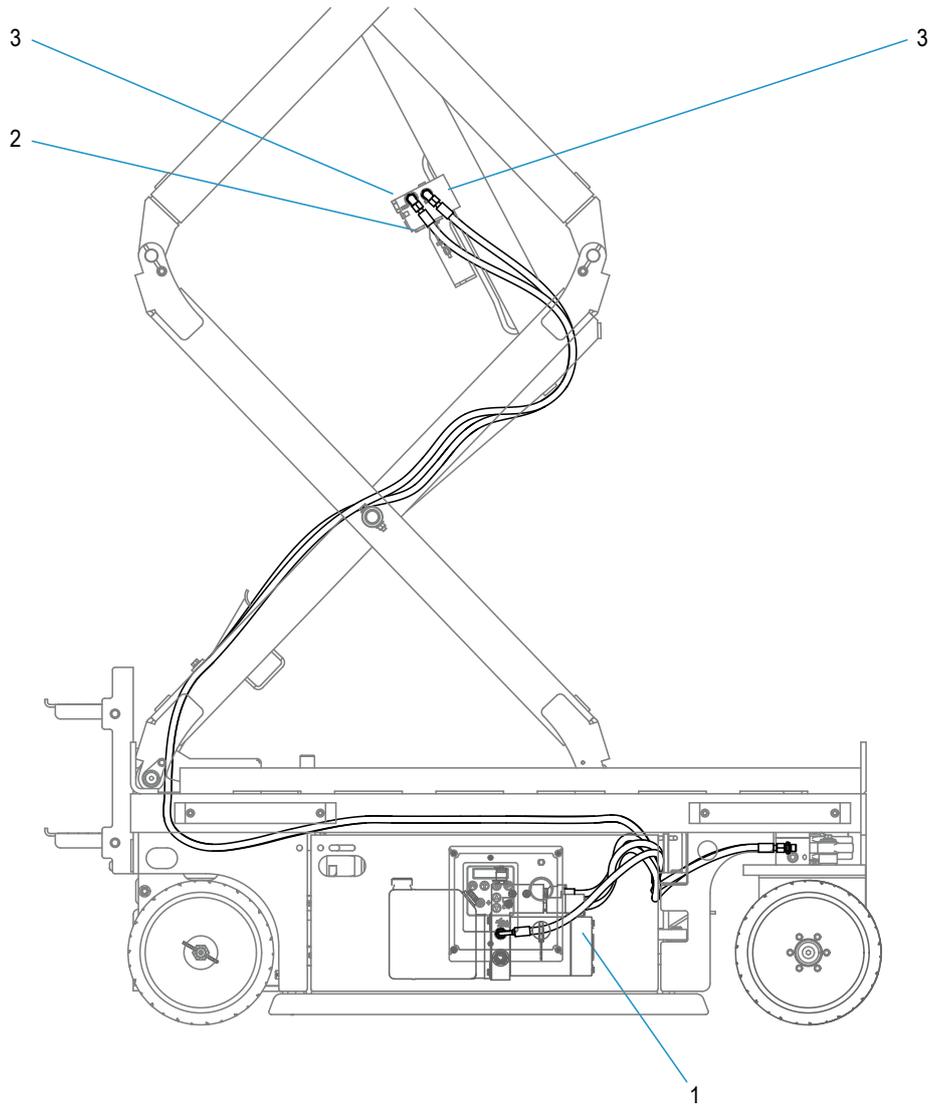
No.	Part No.	Qty.	Description
1	202990003023	1	Check valve (with screen)
2	202990003020	1	Solenoid valve(with screen)
3	202130000007	1	Damper plug
4	202130003007	1	Damper
5	202990003019	1	Coil

## 4.5 POWER UNIT AND FITTINGS INSTALLATION



No.	Part No.	Qty.	Description
1	21301000007	4	Fitting
2	21301000010	1	Coupler

### 4.6 HYDRAULIC TUBES LAYOUT



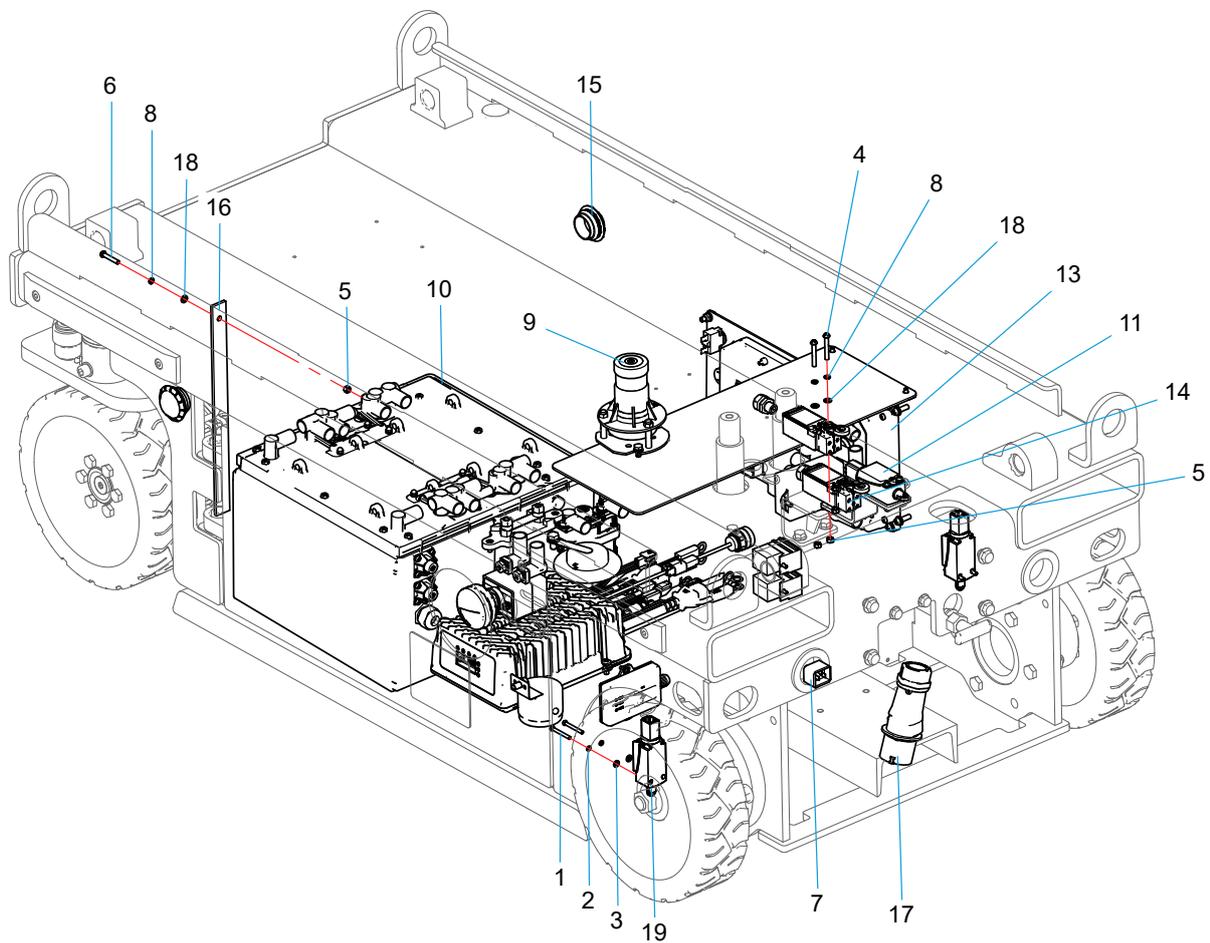
<b>No.</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Description</b>
1	213050012422	1	Hose
2	213050013790	1	Hose
3	213010000024	2	Coupler
4	213010000007	2	Fitting
5	213050012327	1	Hose
6	213050003311	1	Hose

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# **5 ELECTRICAL SYSTEM**

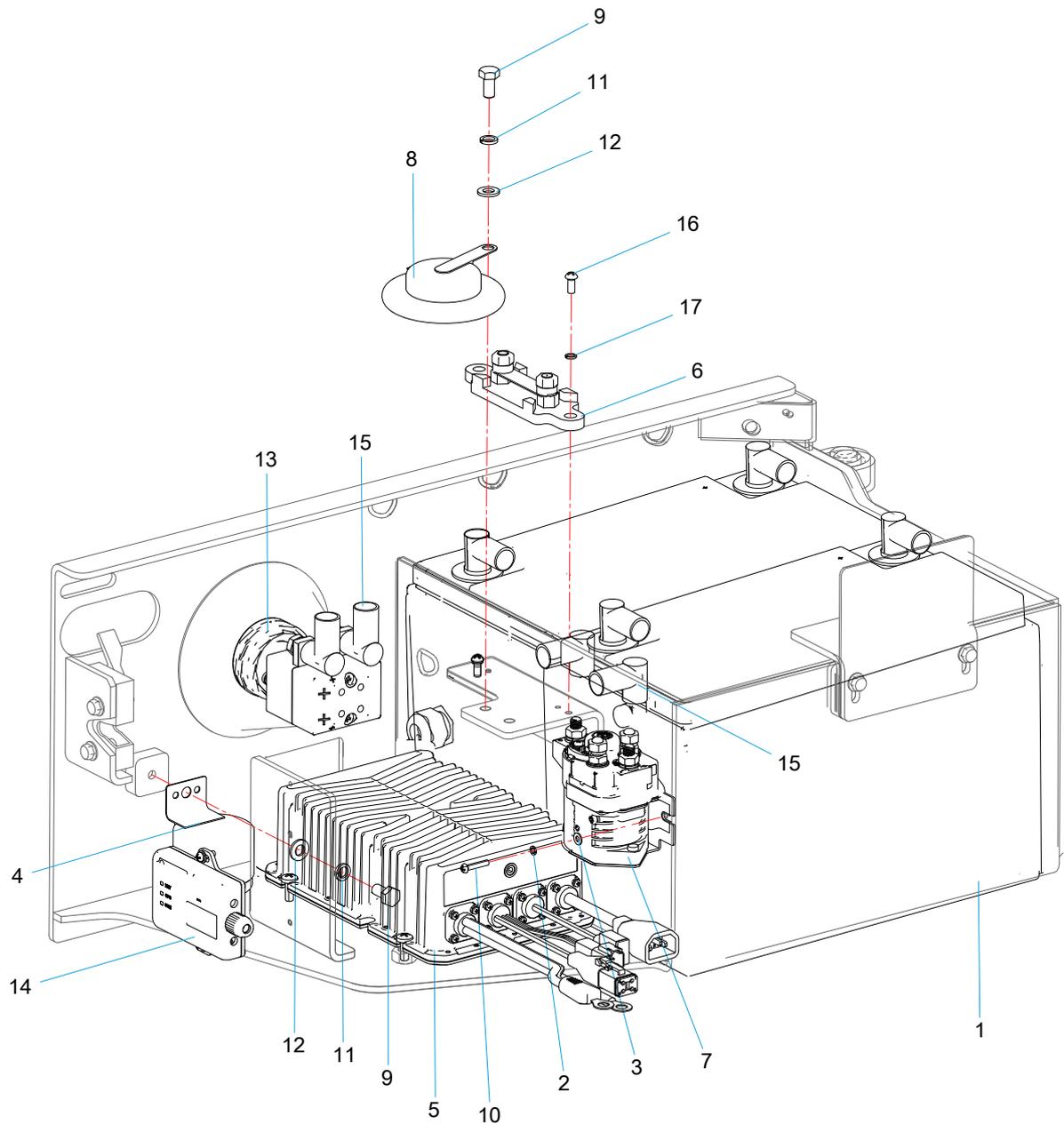
## **5.1 ELECTRICAL COMPONENTS INSTALLATION**

5.1.1 CHASSIS ELECTRICAL COMPONENTS INSTALLATION



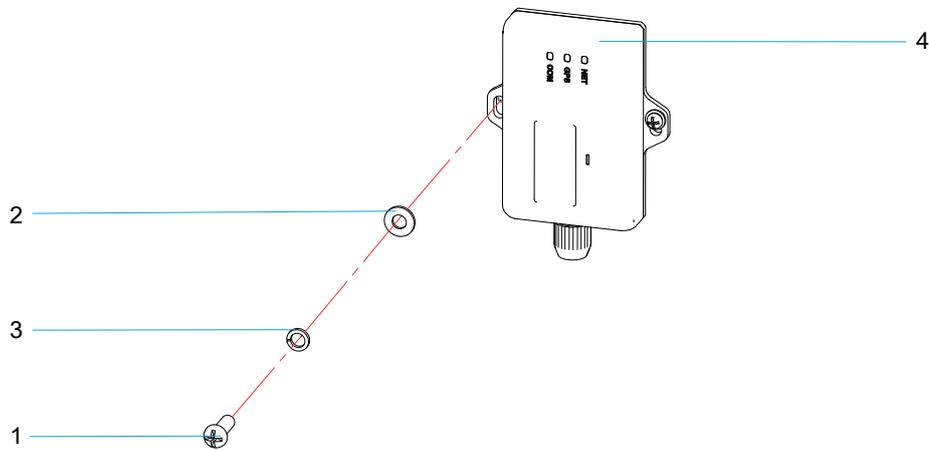
No.	Part No.	Qty.	Description
1	215020000212	4	Screw M4×35-A2-70 GB/T 818
2	215040000002	4	Washer 4-A2-70 GB/T 93
3	2150400000031	4	Washer 4-A2 GB/T 97.1
4	215020000214	4	Screw M5×35-A2-70 GB/T 818
5	2150300000003	5	Nut M5-A2-70 GB/T 6170
6	215020000114	1	Screw M5×30-A2-70 GB/T 818
7	101055063030		Options, 3 pins plug
7-1	203080000464	1	Male-female change-over cable(2.9m)
7-2	203080003071	1	Male-female change-over cable(0.3m)
8	2150400000003	5	Washer 5-A2-70 GB/T 93
9	101092060030	1	OPT, switch (level)
10	101092060009	1	INST, ELEC (chassis box, L)
11	101078063057	1	INST,travel switch
12	201990003005	2	Connector,waterproof,nylon
13	101090060021	1	INST, ELEC (chassis box, R)
14	101078063009		Travel switch option
14-1	203060000108	2	Travel switch
14-2	203060003149	2	Travel switch(SC: 1000066)
14-3	203060003150	2	Travel switch(SC: 1000077)
15	101077063047		Options LED light, beacon
15-1	203050003053	2	LED strobe light(Yellow)
15-2	203050003069	2	LED strobe light(Red)
16	203160000004	1	Band, conductive (rubber)
17	101055063023	1	Charger cord and plug options
18	2150400000032	5	Washer 5-A2 GB/T 97.1
19	101058063003		Options, Limit switch, Pothole protection
19-1	203060003030	2	Travel switch(Used when beacon is not equipped)
19-2	203060003031	2	Switch, travel(Schneider)(Used when beacon is equipped)

5.1.2 LEFT DOOR ELECTRICAL COMPONENTS INSTALLATION



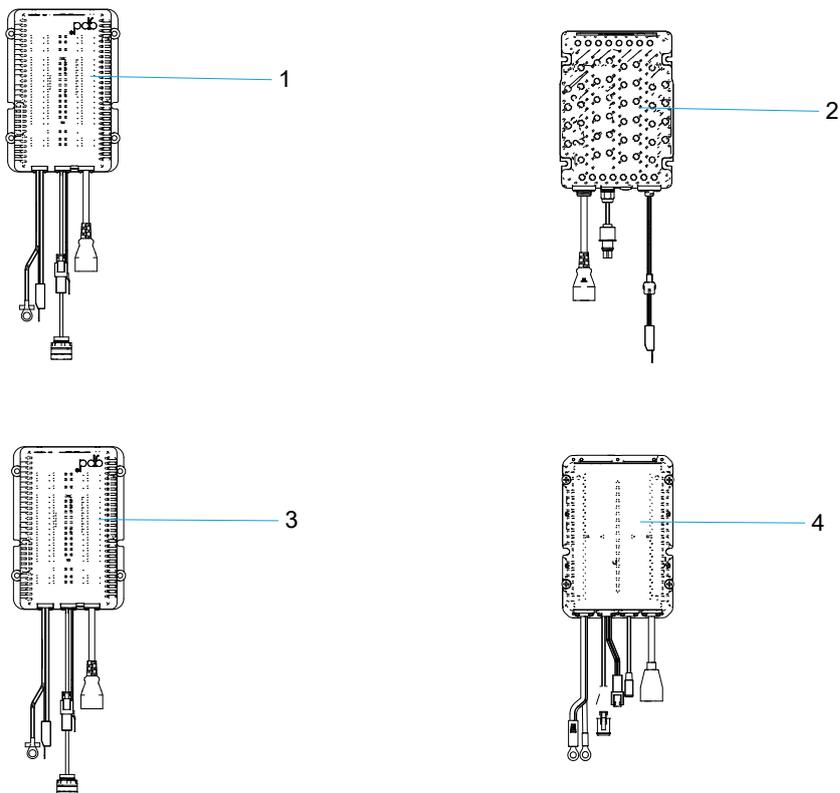
No.	Part No.	Qty.	Description
1	101090060014	1	OPT, INST (battery)
2	215040000002	2	Washer 4-A2-70 GB/T 93
3	2150400000031	2	Washer 4-A2 GB/T 97.1
4	203050000002	1	Reverse buzzer
5	101077063066	1	Charger ,options
6	203070000043	1	Fuse holder (with 275A fuse)
7	101078063007		Contactator selection
7-1	2030400000023	1	Contactator
7-2	203040003016	1	Contactator(SC: 1000254)
7-3	203040003033	1	Contactator(SC: 1000948)
7-4	203040003037	1	Contactator(SC: 1000604)
8	203050000012	1	Electrical horn
9	215010000056	2	Bolt M8×16-8.8-ZnD GB/T 5783
10	215020000107	2	Screw M4×20-A2-70 GB/T 818
11	215040000005	2	Washer 8-ZnD GB/T 93
12	2150400000034	2	Washer 8-200HV-ZnD GB/T 97.1
13	101079063038		Power-off switch options
13-1	2030600000024	1	Power switch(SC: 1000110)
13-2	203060000124	1	Power switch(SC: 1000077)
13-3	203060003120	1	Power switch(SC: 1000200)
13-4	203060003137	1	Power switch(SC: 1000604)
13-5	203060003167	1	Power switch(SC: 1000200, Ends with Locks)
14	101042063006	1	GPS installation
15	203080000004	4	PVC sheath
16	215020000110	2	Screw M5×12-A2-70 GB/T 818
17	2150400000003	2	Washer 5-A2-70 GB/T 93

## 5.1.3 GPS INSTALLATION



No.	Part No.	Qty.	Description
1	215020000105	2	Screw M4×12-A2-70 GB/T 818
2	215040000031	2	Washer 4-A2 GB/T 97.1
3	215040000002	2	Washer 4-A2-70 GB/T 93
4	203150003022	1	GPS/LTE antenna(Not Shown)
5	203020003040	1	GPS module ( 4G ) (1000577)

5.1.4 CHARGER OPTIONS

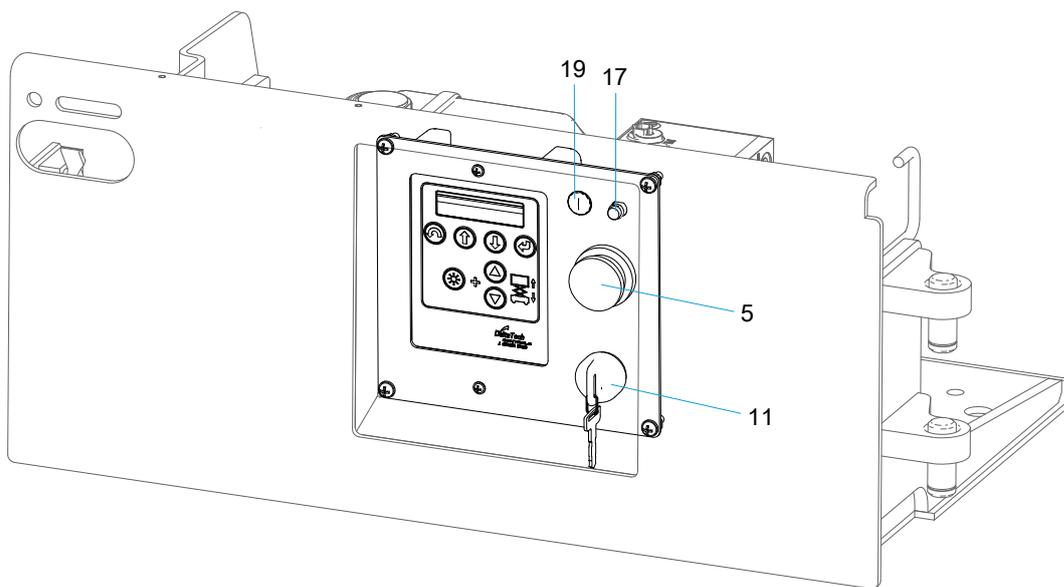
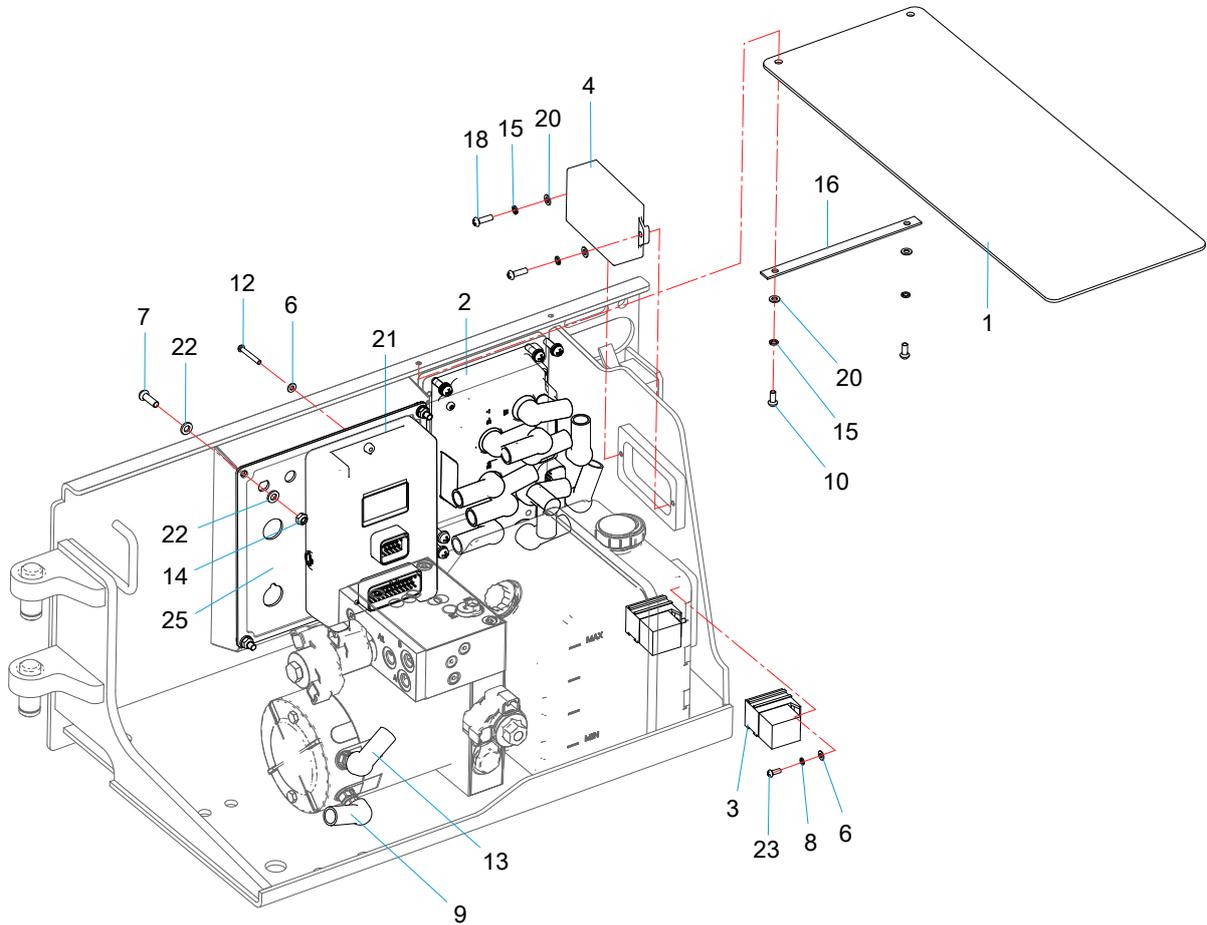


No.	Part No.	Qty.	Description
1	203100003059	1	Charger(SC:1000170, Lithium)
2	203100003078	1	Charger(SC:1000799, Lead-acid)
3	203100003064	1	Charger(SC:1000170, Lead-acid)
4	203190003019	1	Charger(SC:1000853, Lithium)

**5.1.5 BATTERIES INSTALLATION OPTIONS**

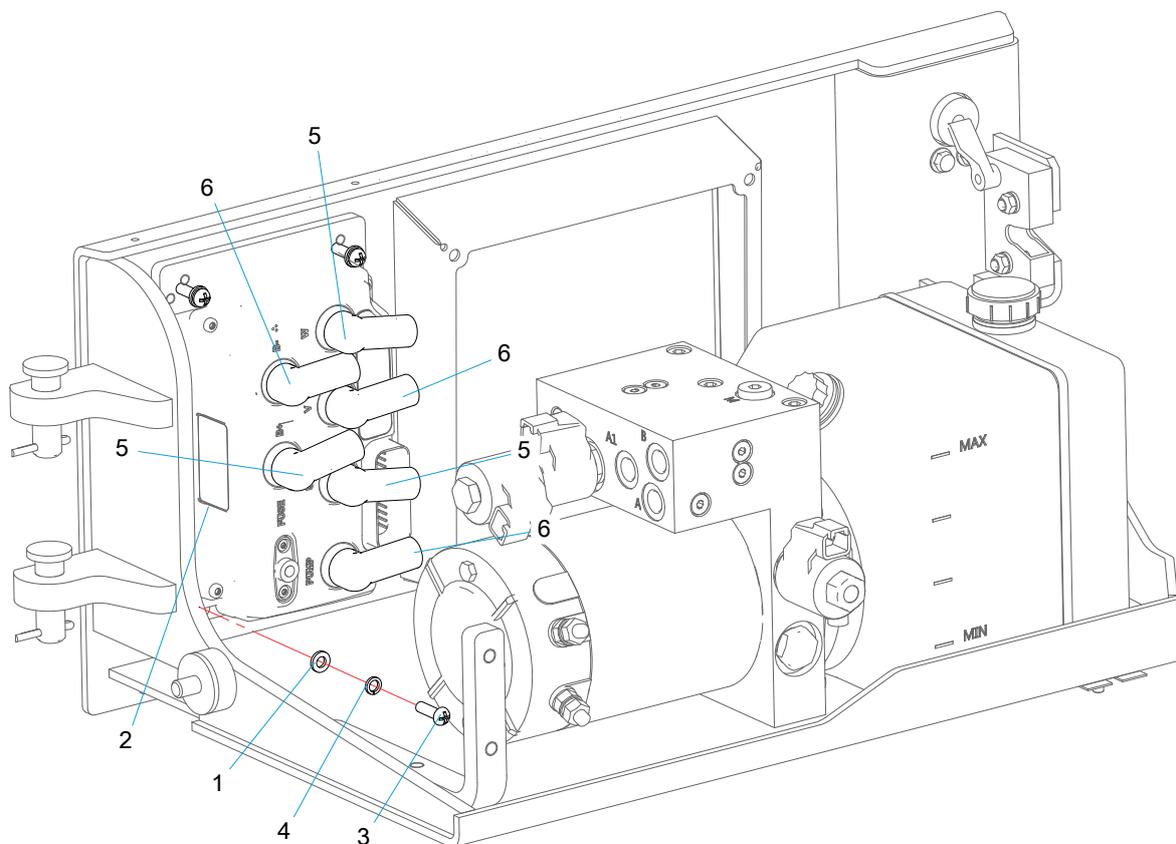
<b>No.</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Description</b>
1	101079063065		Battery installation
1a	203100003091	2	Lead-acid battery(6-DF-120)
1b	203080000004	4	PVC sheath
2	101090060015		Battery installation
2a	203100000048	2	Battery(EVGC6A-A)
2b	203080000004	4	PVC sheath
2c	215080000007	4	Hexagon flange nut 5/16-18UNC-GR8-DKL ASME B18.2.2
3	101090060016		Battery installation
3a	203100003102	2	Storage battery(6-EV-100)
3b	203080000004	4	PVC sheath
4	101090060017		Battery installation
4a	203100003227	2	Lead-acid battery(TNEP12-130)
4b	203080000004	4	PVC sheath
5	101090060018		Battery installation
5a	203100003155	2	Battery,Lead-acid (DC115-12)
5b	203080000004	4	PVC sheath
6	203100003071	1	Lithium battery(120AH)

5.1.6 RIGHT DOOR ELECTRICAL COMPONENTS INSTALLATION



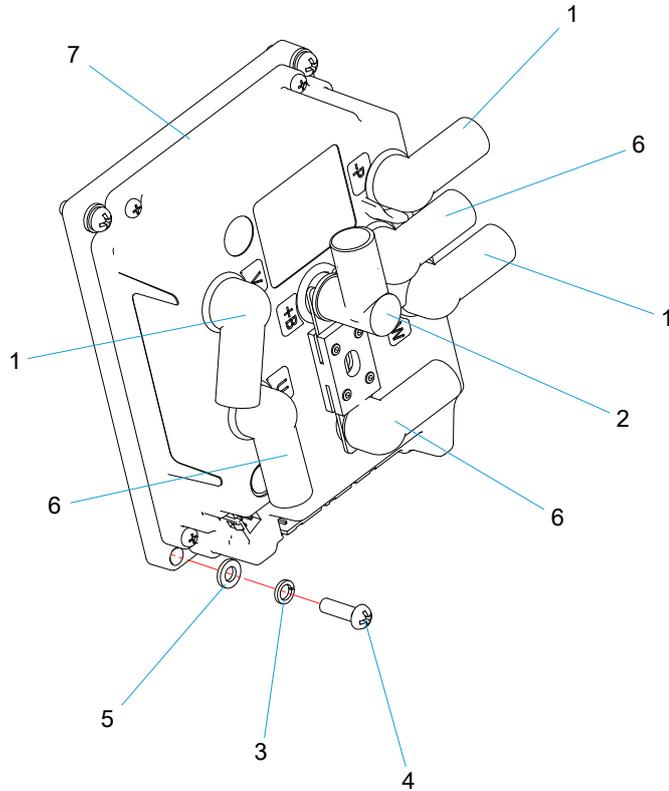
No.	Part No.	Qty.	Description
1	101040030121	1	Plate, waterproof
2	101090060011		OPT, INST controller (ELEC motor )
2-1	101062063039	1	Motor controller(CURTIS)
2-2	101090060027	1	INST, controller (ELEC motor ) (ZAPI)
3	203040000001	2	Relay
4	203030000014	1	Travel circuit protector
5	203060000142	1	Switch, emergency stop
6	215040000031	4	Washer 4-A2 GB/T 97.1
7	215020000117	4	Screw M6×20-A2-70 GB/T 818
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	203080000572	1	PVC sheath
10	215020000110	2	Screw M5×12-A2-70 GB/T 818
11	203060000066	1	Key switch
12	215020000211	2	Screw M4×30-A2-70 GB/T 818
13	203080000571	1	PVC sheath
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	215040000003	4	Washer 5-A2-70 GB/T 93
16	101040030122	1	Plate, hold-down
17	203160003001	1	Self-resetting fuse
18	215020000111	2	Screw M5×16-A2-70 GB/T 818
19	110005060017		OPT, light (overload alarm)
19-1	105045060004	1	Controller plug (Not to select overload alarm)
19-2	203050003091	1	Lamp,indicator(red)(Select overload alarm)
20	215040000032	4	Washer 5-A2 GB/T 97.1
21	101041063016		Options, Main controller
21-1	203020000064	1	Main controller(DTC-K500-SN2)
21-2	203020003029	1	Main controller(SINOBOOM)
21-3	203020003144	1	Main controller(DTC-K500-SN6)
22	215040000033	8	Washer 6-A2 GB/T 97.1
23	215020000104	2	Screw M4×10-A2-70 GB/T 818
24	110005060016	1	Surface film(Not Shown)
25	101092030110	1	Plate

## 5.1.7 MOTOR CONTROLLER INSTALLATION (CURTIS)



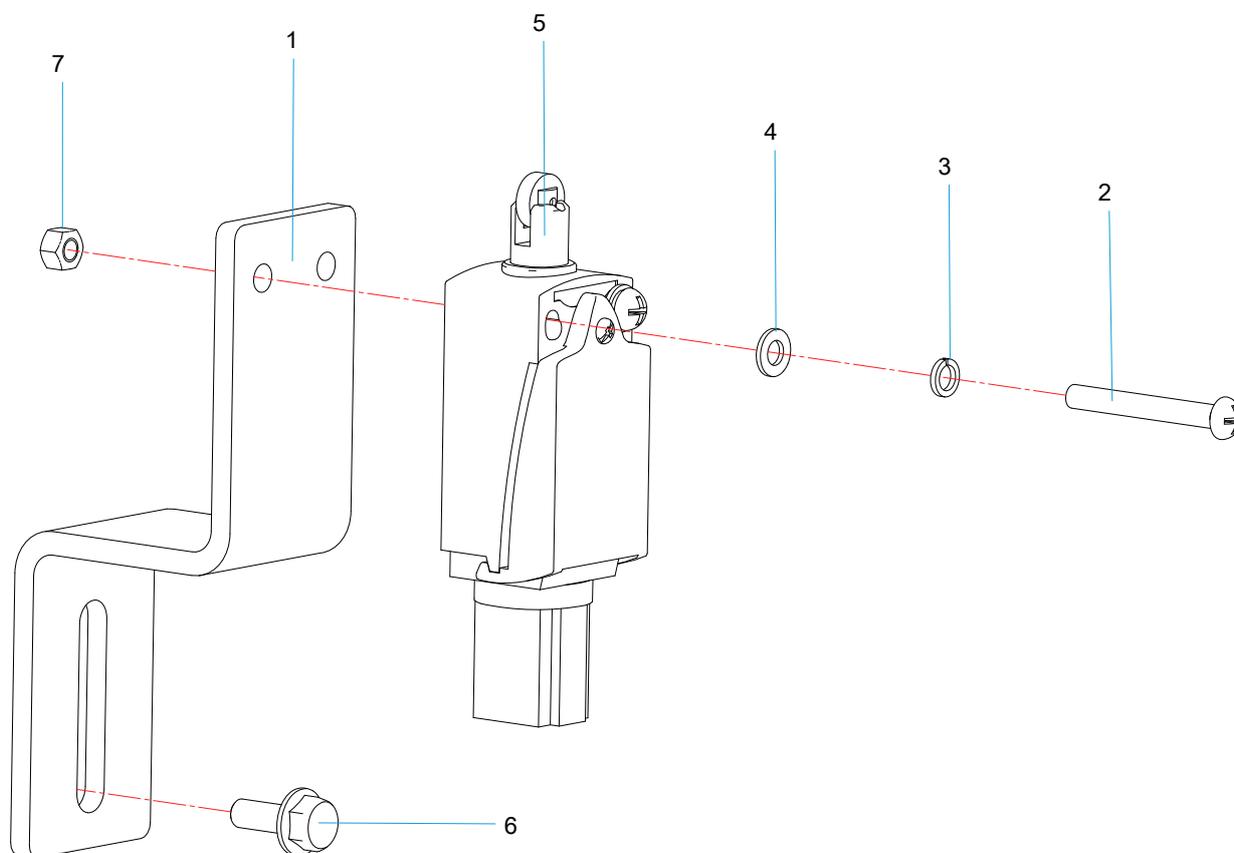
No.	Part No.	Qty.	Description
1	215040000033	4	Washer 6-A2 GB/T 97.1
2	203020003034	1	Motor controller
3	215020000117	4	Screw M6×20-A2-70 GB/T 818
4	215040000004	4	Washer 6-A2-70 GB/T 93
5	203080000572	3	PVC sheath
6	203080000571	3	PVC sheath

5.1.8 MOTOR CONTROLLER INSTALLATION (ZAPI)



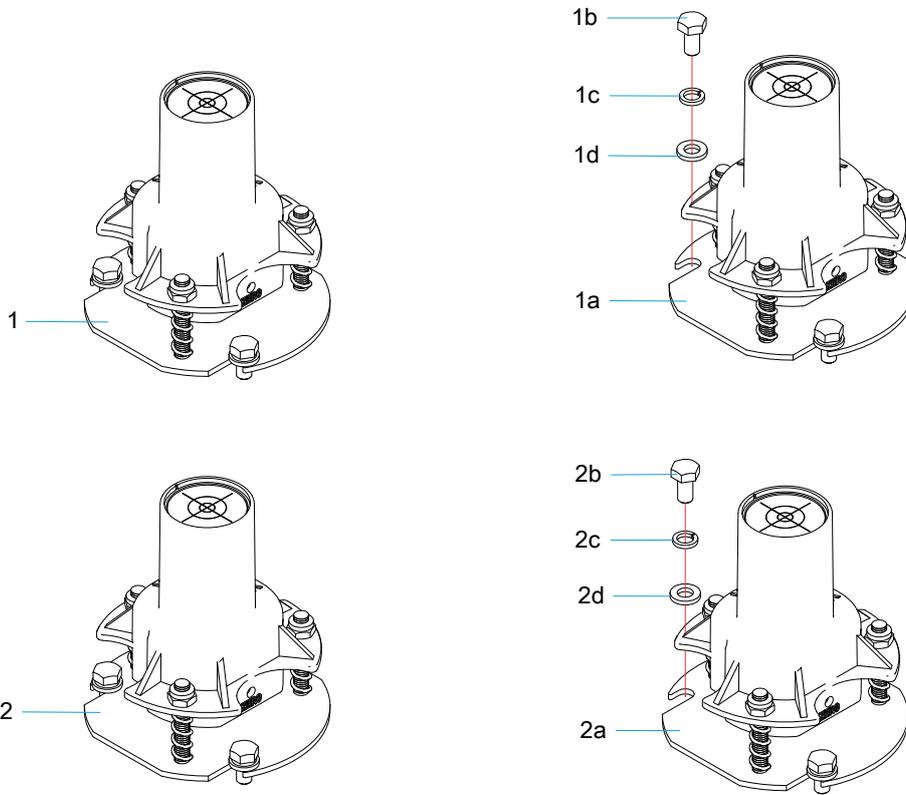
No.	Part No.	Qty.	Description
1	203080000571	3	PVC sheath
2	203080000004	1	PVC sheath
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215020000117	4	Screw M6×20-A2-70 GB/T 818
5	2150400000033	4	Washer 6-A2 GB/T 97.1
6	203080000572	3	PVC sheath
7	203020003253	1	Controller, ELEC motor

## 5.1.9 INST, TRAVEL SWITCH



No.	Part No.	Qty.	Description
1	101079013065	1	Folded plate
2	215020000215	2	Screw M5×40-A2-70 GB/T 818
3	215040000003	2	Washer 5-A2-70 GB/T 93
4	215040000032	2	Washer 5-A2 GB/T 97.1
5	203060003031	1	Switch, travel(Schneider)
6	215010000230	1	Bolt M6×16-8.8-ZnD GB/T 5789
7	215030000003	2	Nut M5-A2-70 GB/T 6170

5.1.10 LEVEL SENSOR OPTIONS



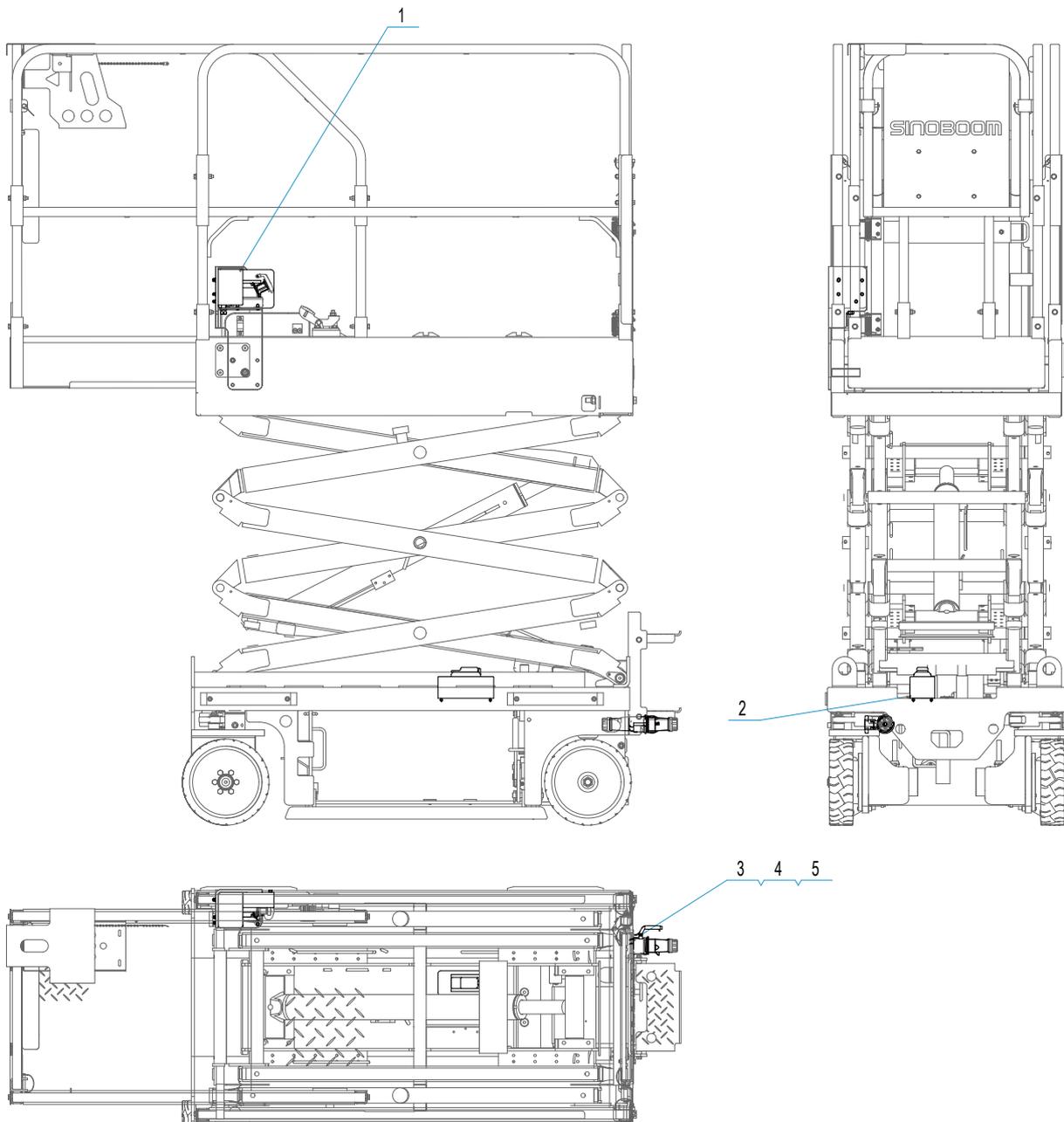
No.	Part No.	Qty.	Description
1	101092060029		INST, switch (level)(China)
1a	203150003170	1	Level switch
1b	215010000049	3	Bolt M6×12-A2-70 GB/T 5783
1c	215040000004	3	Washer 6-A2-70 GB/T 93
1d	215040000139	3	Washer 6-200HV-304 GB/T 97.1
2	101092060031		INST, switch (level) (PLc)(Except China)
2a	203150003169	1	Level switch
2b	215010000049	3	Bolt M6×12-A2-70 GB/T 5783
2c	215040000004	3	Washer 6-A2-70 GB/T 93
2d	215040000139	3	Washer 6-200HV-304 GB/T 97.1

5.1.11 CHARGER PLUG CORD OPTIONS

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

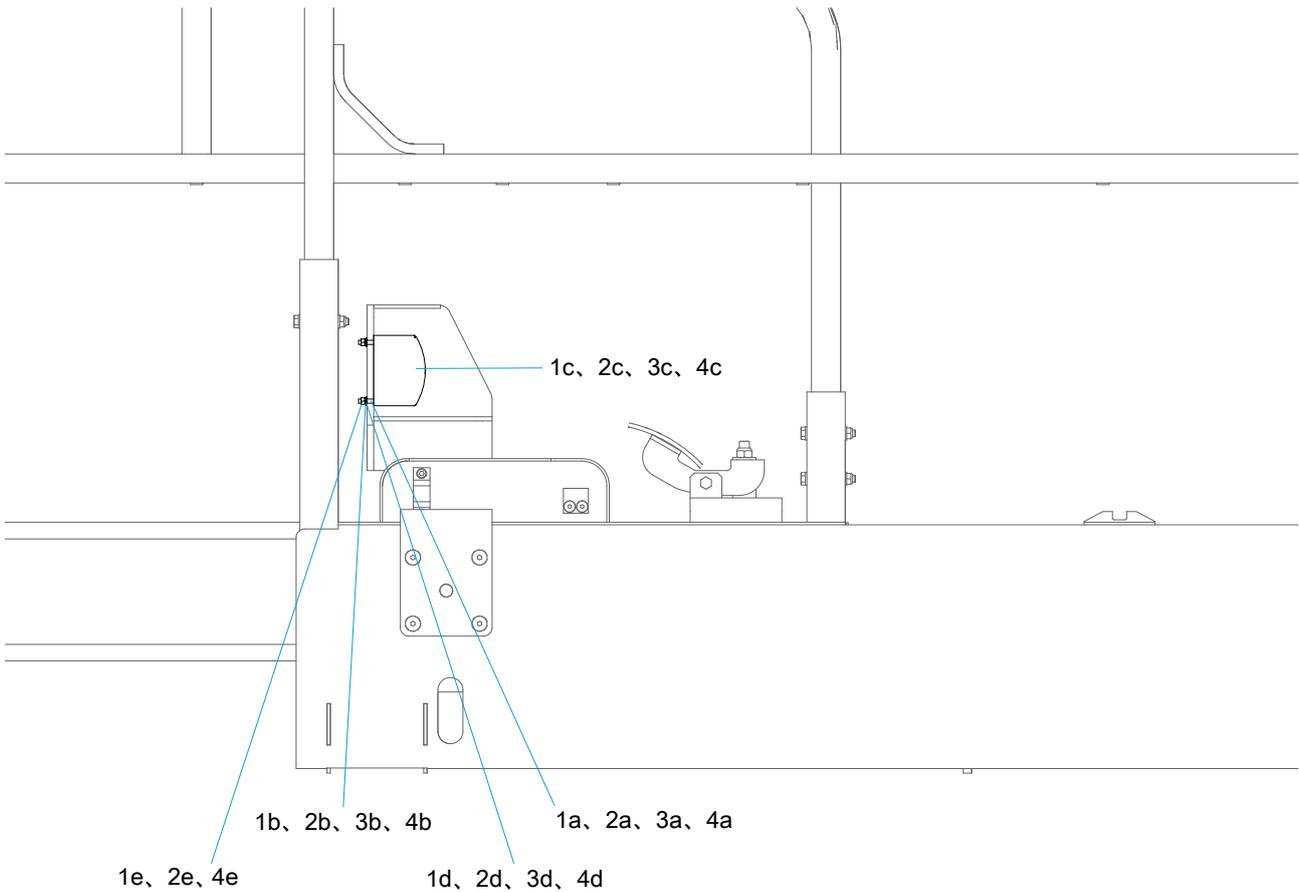
No.	Part No.	Qty.	Description
1	203080000173	1	Charger plug cable(Type M,Macao specs)
2	203080000174	1	Charger plug cable(Type J, Swiss specs)
3	203080000175	1	Charger plug cable(Type I, China and Australian specs, L=2.5)
4	203080000176	1	Charger plug cable(Type B, America and South America specs, L=2.5)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

## 5.1.12 EXTERNAL POWER INSTALLATION



No.	Part No.	Qty.	Description
1	101048063022	1	Waterproof socket options
2	115003063000	1	Options, RCBO
3	101055063028	1	Electrical plug options
4	203080000300	1	Industrial connector
5	116003063047	1	Electrical plug options
6	101040063099	1	OPT, AC Power(Not Shown)

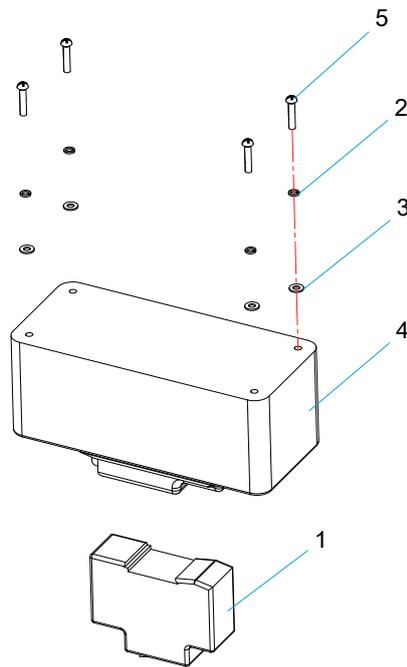
5.1.13 WATERPROOF SOCKET INSTALLATION OPTIONS



No.	Part No.	Qty.	Description
1	101048063020	1	Waterproof Socket Installation (GB)
1a	215020000113	4	Screw M5×25-A2-70 GB/T 818
1b	215040000003	4	Washer 5-A2-70 GB/T 93
1c	203080000301	1	Waterproof socket(National standart)
1d	2150400000032	4	Washer 5-A2 GB/T 97.1
1e	2150300000003	4	Nut M5-A2-70 GB/T 6170
1f	201990003005	1	Connector,waterproof,nylon(Not shown)
2	101048063021	1	Waterproof Socket Installation (USS)
2a	215020000105	4	Screw M4×12-A2-70 GB/T 818
2b	2150400000002	4	Washer 4-A2-70 GB/T 93
2c	203080000472	1	American standard socket assembly(American standart)
2d	2150400000031	4	Washer 4-A2 GB/T 97.1
2e	2150300000004	4	Nut M6-A2-70 GB/T 6170
3	115006063084	1	Waterproof Socket Installation (UK)
3a	2150200000006	4	Screw M5×12-A2-70 GB/T 70.1
3b	2150400000003	4	Washer 5-A2-70 GB/T 93

No.	Part No.	Qty.	Description
3c	203080000385	1	Waterproof socket(British standart)
3d	215040000032	5	Washer 5-A2 GB/T 97.1
4	101048063018	1	Waterproof Socket Installation (EN)
4a	215020000112	2	Screw M5×20-A2-70 GB/T 818
4b	215040000003	2	Washer 5-A2-70 GB/T 93
4c	203080000278	1	Waterproof socket(EN)(European standard)
4d	215040000032	2	Washer 5-A2 GB/T 97.1
4e	215030000003	2	Nut M5-A2-70 GB/T 6170

5.1.14 RCBO INSTALLATION



No.	Part No.	Qty.	Description
1	203160000002	1	Leakage protector
2	215040000002	4	Washer 4-A2-70 GB/T 93
3	2150400000031	4	Washer 4-A2 GB/T 97.1
4	203090000002	1	RCBO waterproof box
5	215020000107	4	Screw M4×20-A2-70 GB/T 818

5.1.15 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)

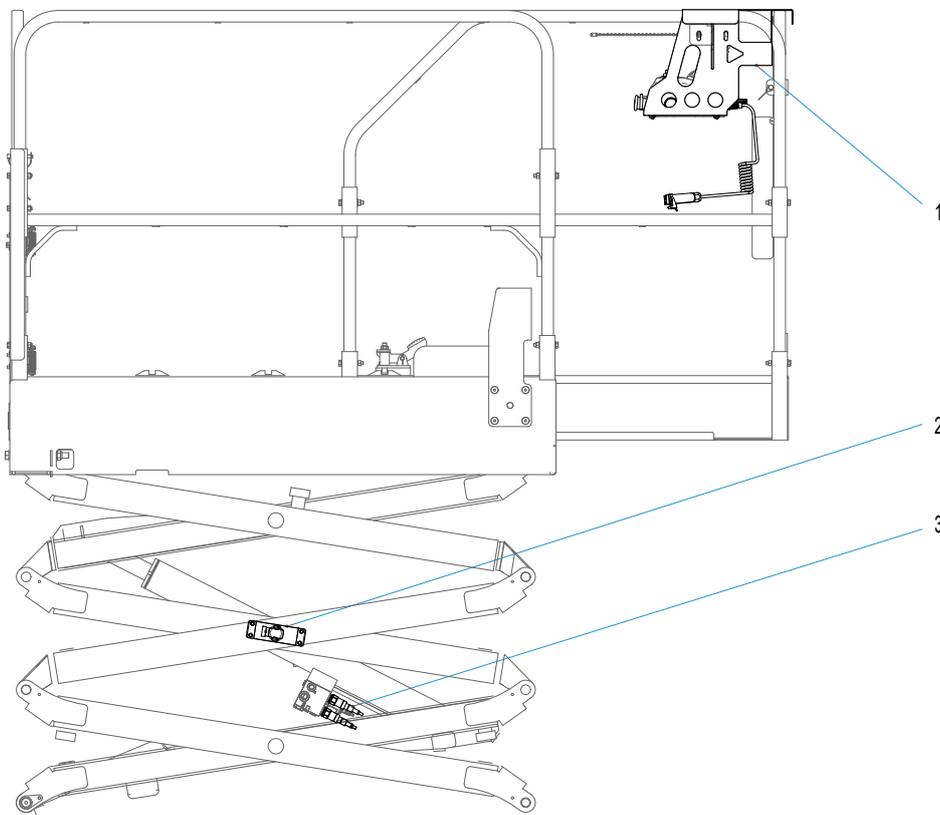
### 5.1.16 INDUSTRIAL POWER PLUG OPTIONS

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)

## 5.1.17 AC POWER CABLE OPTIONS

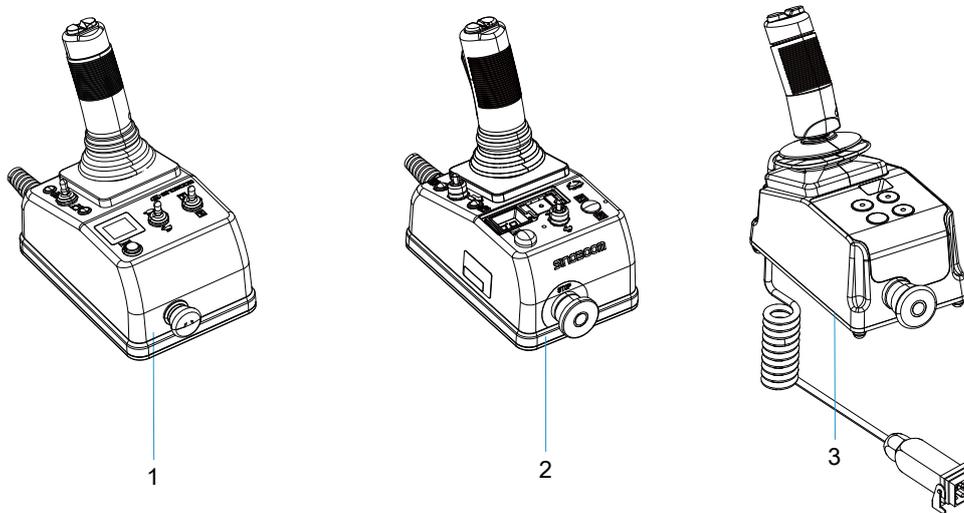
No.	Part No.	Qty.	Description
1	203230000712	1	Cable(EU, without RCBO)
2	203230000711	1	Cable(GB)
3	203230000713	1	Cable(US)
4	203230000765	1	Cable(EU, with RCBO)

**5.1.18 PLATFORM & TURNTABLE ELECTRICAL COMPONENTS  
INSTALLATION**



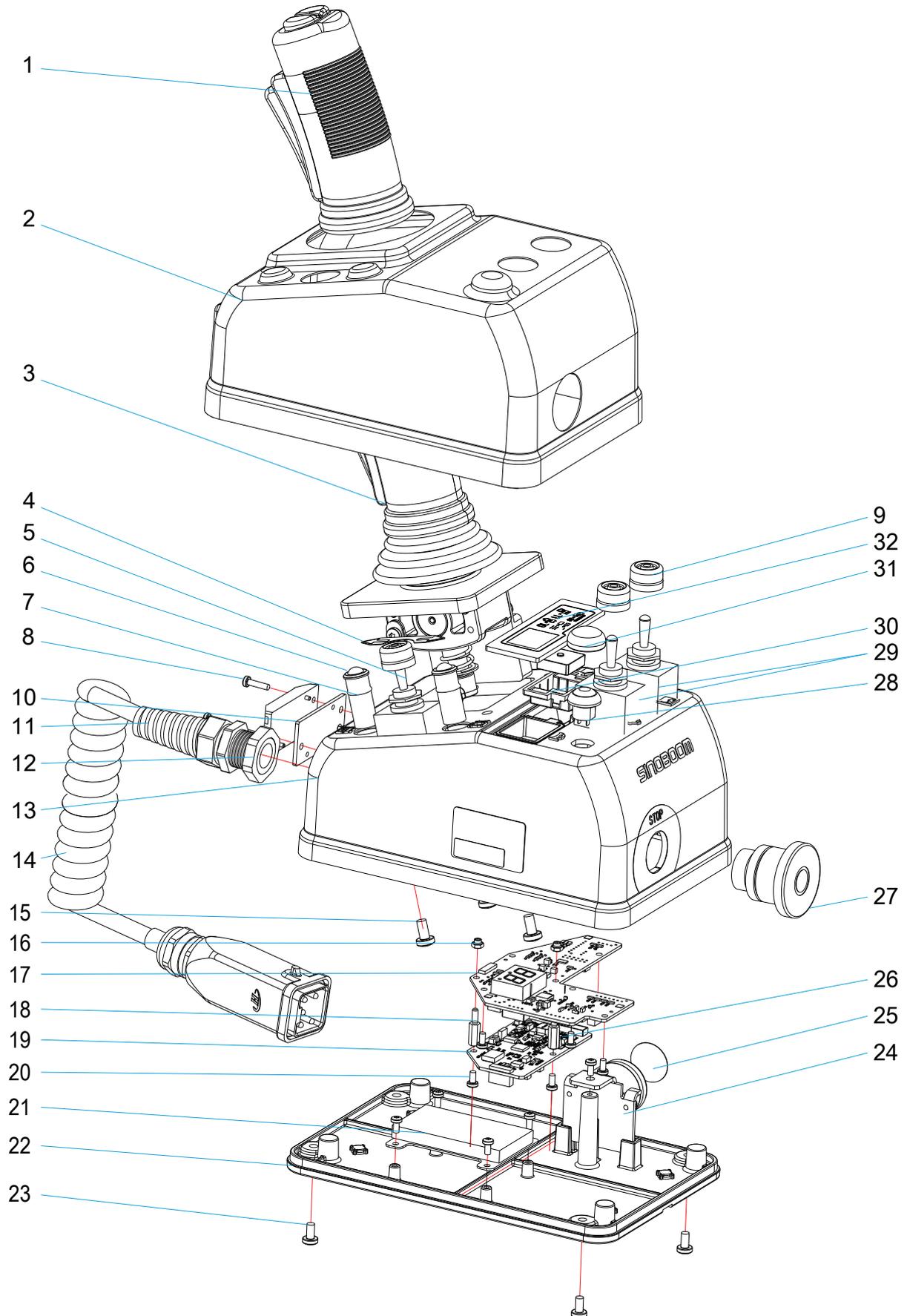
No.	Part No.	Qty.	Description
1	101090060038	1	OPT, controller (platform)
2	101092060024	1	OPT,INST,sensor (angle)
3	101092060027	1	OPT,INST,sensor (pressure)

5.1.19 PLATFORM CONTROLLER OPTIONS



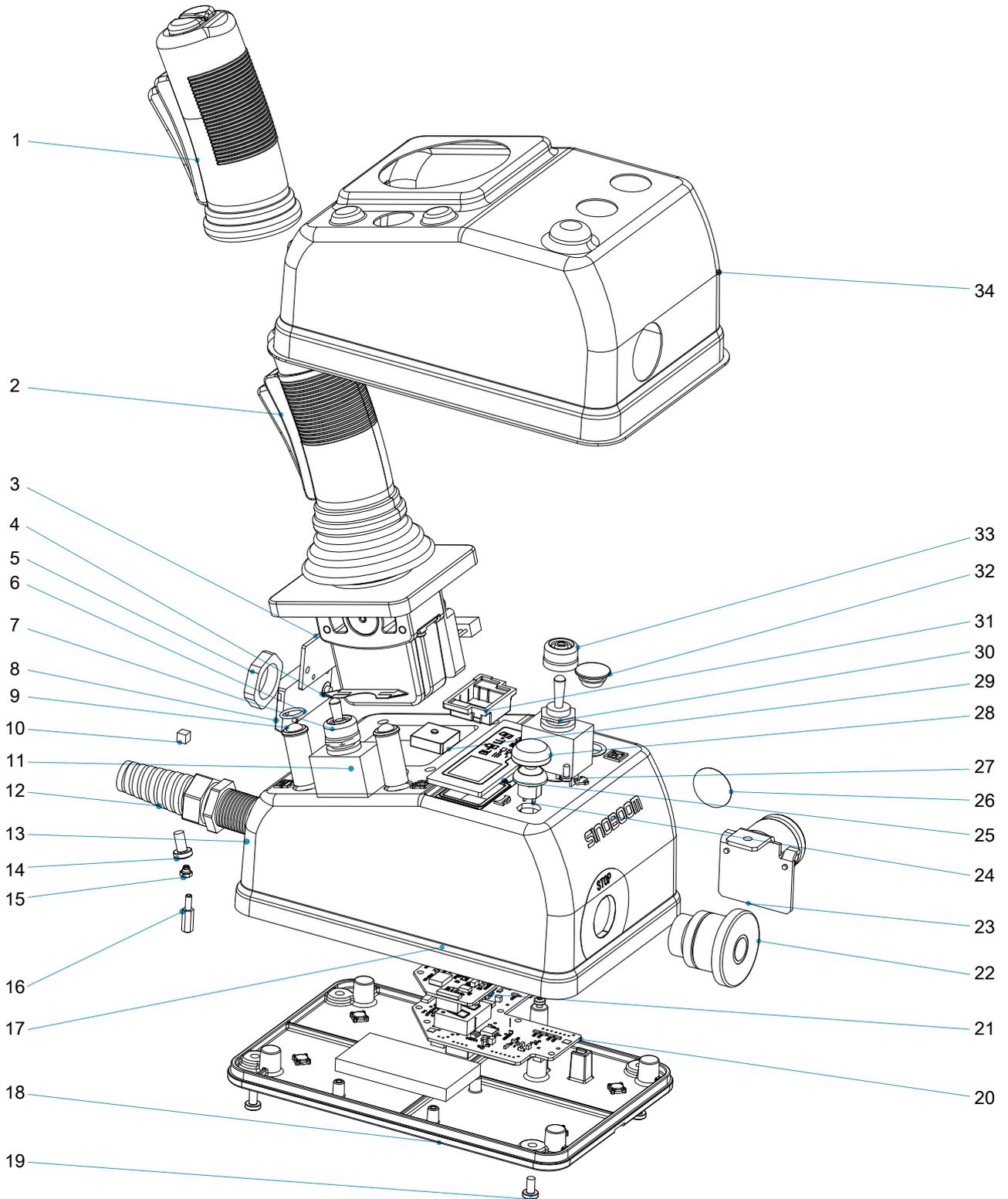
No.	Part No.	Qty.	Description
1	101041063017		Platform controller installation(SINOBOOM, with indoor/outdoor switch and square plug)
1a	203020003028	1	Platform controller assembly
1b	215020000116	4	Screw M6×16-A2-70 GB/T 818
1c	215040000004	4	Washer 6-A2-70 GB/T 93
1d	215040000033	4	Washer 6-A2 GB/T 97.1
2	101041063030		INST, controller (platform)(SINOBOOM, without indoor/outdoor switch, with square plug)
2a	203020003249	1	Platform controller
2b	215020000116	4	Screw M6×16-A2-70 GB/T 818
2c	215040000004	4	Washer 6-A2-70 GB/T 93
2d	215040000033	4	Washer 6-A2 GB/T 97.1
3	101050063006		INST, controller (platform)(square plug)
3a	203020000065	1	Platform controller
3b	215020000116	4	Screw M6×16-A2-70 GB/T 818
3c	215040000004	4	Washer 6-A2-70 GB/T 93
3d	215040000033	4	Washer 6-A2 GB/T 97.1

5.1.20 PLATFORM CONTROL BOX (PN.203020003028)



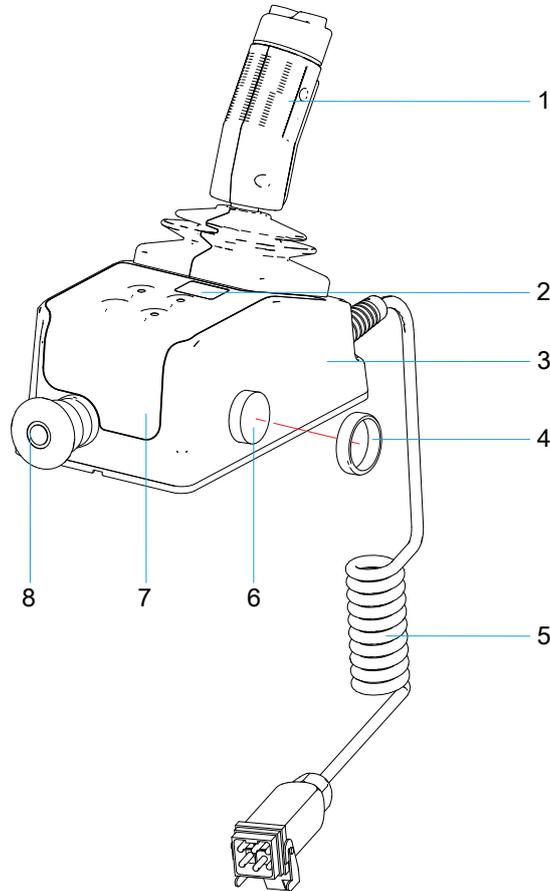
No.	Part No.	Qty.	Description
1	203060003103	1	Handle sheath
2	203060003104	1	Cover, Platform control box
3	203090003003	1	Joystick
4	203060003110	1	Overlay
5	201051063038	1	Socket assembly (0.2m), 4P
6	201051063039	1	Indicator light assembly, green
7	203060003112	2	O-ring for straight pipe
8	203060003117	2	Screw M3×12 GBT2672-2017 A2-70
9	201051063040	3	Cover, toggle switch
10	203060003108	1	Insulating spacer
11	203080003590	1	Cable connector
12	203060003114	1	Locking Nut
13	203060003050	1	Upper housing
14	203080003429	1	5-pin spiral cable assembly
15	203060003116	4	Screw M5×10 GBT2672-2017 A2-70
16	203060003119	2	Nut M3 GBT1337-1988 A2-70
17	203030003029	1	Motherboard assembly
18	203060003118	2	Spacing pin S5-M3×12d10+M3×8
19	203030003020	1	Mainboard assembly
20	203060003115	12	Screw M3×6 GBT2672-2017 A2-70
21	203100003101	1	Battery assembly
22	203060003052	1	Lower housing
23	203060003053	4	Screw M4×8 GBT2672-2017 A2-70
24	201051063036	1	Buzzer assembly
25	203060003111	1	Waterproof and acoustically-transparent overlay
26	203060003113	1	SIM-Hirschmann Internet of Things
27	203060003049	1	Switch,emergency stop
28	203060003109	1	Button and harness assembly
29	201051063037	1	Toggle switch assembly
30	203060003102	1	Antenna pedestal
31	203060003106	1	Key sheath
32	203060003105	1	Glass plate

5.1.21 PLATFORM CONTROL BOX (PN.203020003249)



No.	Part No.	Qty.	Description
1	203060003103	1	Handle sheath
2	203090003003	1	Joystick
3	203060003108	1	Insulating spacer
4	203060003110	1	Overlay
5	203060003114	1	Locking Nut
6	203060003112	2	O-ring for straight pipe
7	201051063038	1	Socket assembly (0.2m), 4P
8	203030003031	1	Built-in 4G antenna
9	201051063039	1	Indicator light assembly, green
10	203060003113	1	SIM-Hirschmann Internet of Things
11	203060003117	2	Screw M3×12 GBT2672-2017 A2-70
12	203080003590	1	Cable connector
13	203060003050	1	Upper housing
14	203060003116	4	Screw M5×10 GBT2672-2017 A2-70
15	203060003119	2	Nut M3 GBT1337-1988 A2-70
16	203060003118	2	Spacing pin S5-M3×12d10+M3×8
17	203100003101	1	Battery assembly
18	203060003052	1	Lower housing
19	203060003053	4	Screw M4×8 GBT2672-2017 A2-70
20	203030003029	1	Motherboard assembly
21	203030003020	1	Mainboard assembly
22	203060003049	1	Switch,emergency stop
23	201051063036	1	Buzzer assembly
24	203060003109	1	Button and harness assembly
25	203060003105	1	Glass plate
26	203060003111	1	Waterproof and acoustically-transparent overlay
27	203060003115	12	Screw M3×6 GBT2672-2017 A2-70
28	203060003106	1	Key sheath
29	203030003030	1	Built-in GPS antenna
30	201051063037	1	Toggle switch assembly
31	203060003102	1	Antenna pedestal
32	203990003185	1	End cap
33	201051063040	2	Cover, toggle switch
34	203060003104	1	Cover, Platform control box

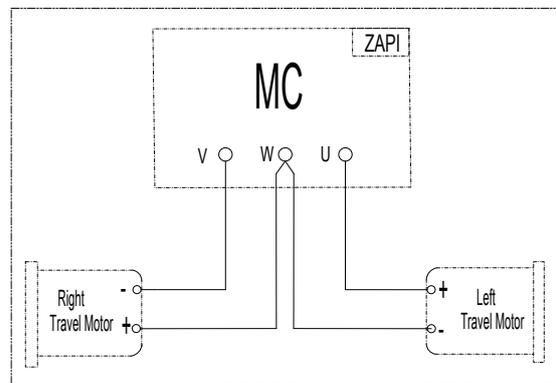
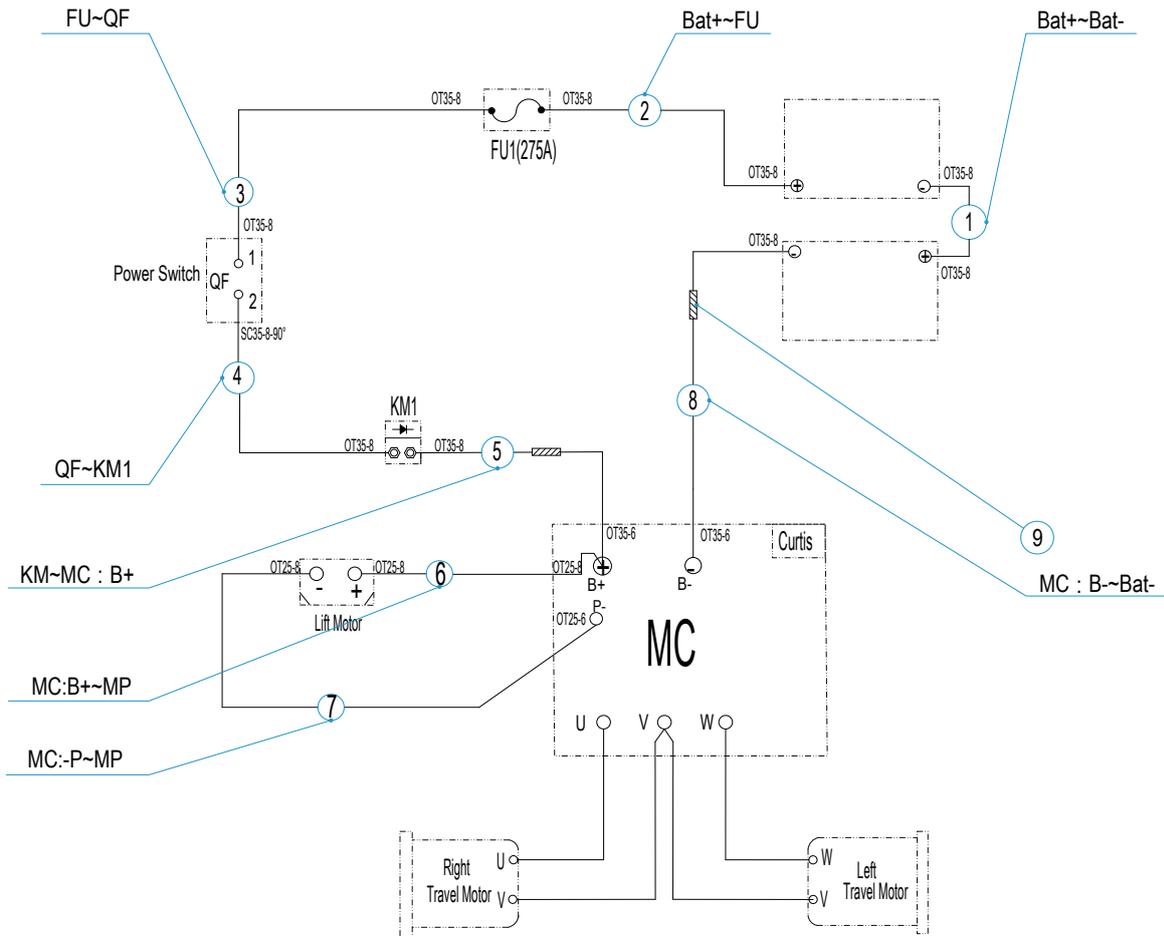
5.1.22 PLATFORM CONTROL BOX (PN.203020000065)



No.	Part No.	Qty.	Description
1	203030003022	1	Joystick
2	203060003060	1	PCU display panel
3	203060003059	1	PCU shell
4	203060003056	1	Buzzer seal ring
5	203080003458	1	PCU spring wire
6	203050003036	1	Buzzer
7	203060003063	1	Film
8	203060003054	1	Emergency stop switch
9	203060003055	1	Emergency stop block(Not Shown)
10	203030003021	1	Circuit board (Not Shown)

## **5.2 ELECTRICAL HARNESS ASSEMBLY**

5.2.1 ELECTRICAL POWER WIRING LAYOUT (PN.101090060024)



No.	Part No.	Qty.	Description
	101090060024	1	ELEC wiring DIAG, power harness
1	203230000586	1	Power line
2	203230003499	1	Cable, power
3	203230003513	1	Cable, power
4	203230003500	1	Cable, power
5	203230003518	1	Cable, power
6	203230003488	1	Cable, power
7	203230003489	1	Cable, power
8	203230003503	1	Cable, power
9	203080003048	5	Corrugated pipe



No.	Part No.	Qty.	Description
	101090060019	1	Harness, chassis
1	203080000041	49	Female connector
2	203080000012	4	Sheath
3	203080000032	4	Lock
4	203080000473	1	Waterproof cover
5	203080003532	1	Sheath
6	203080003533	1	Lock
7	203060000085	7	#20 female terminal
8	203080000085	17	Blind plug
9	203240000029	1	Sheath
10	203240000028	1	Lock
11	203080000335	1	Sheath
12	203080000200	2	Terminal
13	203080000016	10	Lock
14	203080000024	10	Sheath
15	203080000293	1	Connector
16	203080000496	3	Single wire seal
17	203080000298	3	Terminal
18	203080003248	4	Terminal
19	203080000020	6	Lock
20	203080000044	6	Sheath
21	203080000134	5	Terminal,blade-hole type
22	203080000130	6	Terminal
23	203080000129	6	Jacket, flexible
24	203080000036	2	Cold-pressed terminal
25	203080000430	2	AMP Connector (35-pin)
26	203080000433	38	Terminal
27	203080000295	46	Plastic Stopper
28	203080000431	1	AMP connector(14-pin)
29	203080000133	1	Terminal, blade-hole type
30	203080000259	1	MOLEX Connector
31	203080000584	9	Terminal
32	203080000474	1	Waterproof cover
33	203040000038	2	Relay mount
34	203080000336	8	Terminal
35	203080000408	1	Sheath
36	203080000021	1	Lock
37	203080000033	2	Male connector
38	203080000348	1	Connector

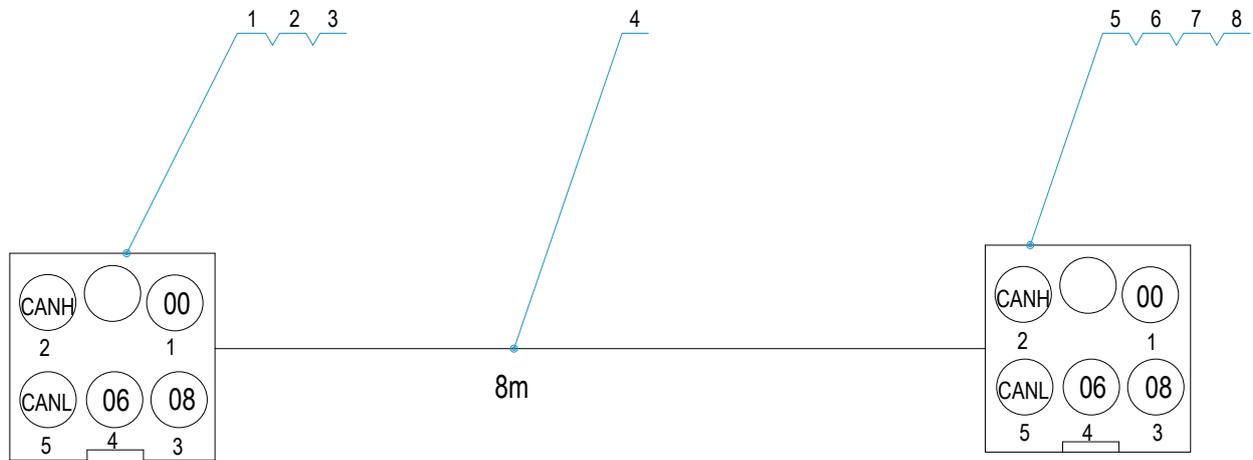
<b>No.</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Description</b>
39	203080000355	5	Socket
40	203080000354	1	Cover
41	203080000350	1	Connector
42	203080003220	2	Terminal
43	203080003221	2	Sheath
44	203080003857	3	Terminal
45	203080003856	3	Sheath
46	203080000492	3	Waterproof cover
47	203080000068	7	Blind plug
48	203070003007	1	Fuse box(for harness)
49	203080000029	1	Cable
50	203080000196	1	Cable
51	203080000047	3	Cable
52	203080000248	75	Cable
53	203080000308	23	Cable
54	203080000006	6	Corrugated pipe
55	203080000135	1	Corrugated pipe (Black)
56	203080000188	2	Corrugated pipe
57	203080000031	11	Corrugated pipe
58	203080000018	2	Ring tongue terminal
59	203080000030	1	Heat shrink tube



No.	Part No.	Qty.	Description
	101090060026	1	Harness, chassis
1	203080000041	49	Female connector
2	203080000012	4	Sheath
3	203080000032	4	Lock
4	203080000473	1	Waterproof cover
5	203080003532	1	Sheath
6	203080003533	1	Lock
7	203060000085	8	#20 female terminal
8	203080000085	16	Blind plug
9	203240000029	1	Sheath
10	203240000028	1	Lock
11	203080000335	1	Sheath
12	203080000200	2	Terminal
13	203080000016	10	Lock
14	203080000024	10	Sheath
15	203080000293	1	Connector
16	203080000496	3	Single wire seal
17	203080000298	3	Terminal
18	203080003248	4	Terminal
19	203080000020	4	Lock
20	203080000044	6	Sheath
21	203080000134	5	Terminal,blade-hole type
22	203080000130	6	Terminal
23	203080000129	6	Jacket, flexible
24	203080000036	2	Cold-pressed terminal
25	203080000430	1	AMP Connector (35-pin)
26	203080000433	39	Terminal
27	203080000295	10	Plastic Stopper
28	203080000431	1	AMP connector(14-pin)
29	203070003014	1	Fuse
30	203080000133	2	Terminal, blade-hole type
31	203080000264	1	MOLEX Connector
32	203080000584	28	Terminal
33	203080000256	1	MOLEX Connector
34	203080000259	2	MOLEX Connector
35	203080000258	1	Sheath
36	203080000474	1	Waterproof cover
37	203040000038	2	Relay mount
38	203080000336	8	Terminal

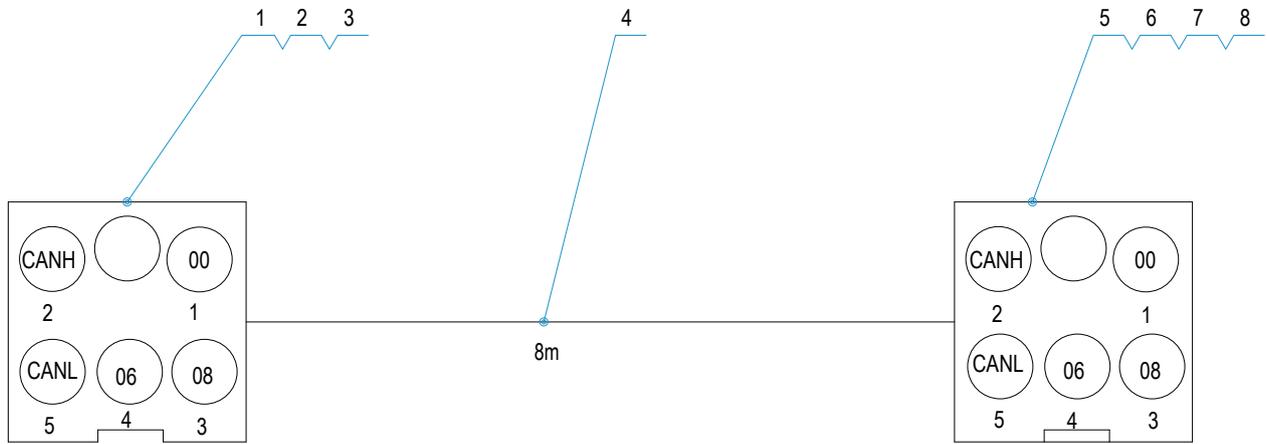
No.	Part No.	Qty.	Description
39	203080000408	1	Sheath
40	203080000021	1	Lock
41	203080000033	2	Male connector
42	203080000348	1	Connector
43	203080000355	5	Socket
44	203080000354	1	Cover
45	203080000350	1	Connector
46	203070000034	2	Diode
47	203080003220	3	Terminal
48	203080003221	3	Sheath
49	203080003857	4	Terminal
50	203080003856	4	Sheath
51	203080000492	3	Waterproof cover
52	203080000068	7	Blind plug
53	203070003007	1	Fuse box(for harness)
54	203080000029	1	Cable
55	203080000196	1	Cable
56	203080000047	3	Cable
57	203080000248	75	Cable
58	203080000308	23	Cable
59	203080000006	6	Corrugated pipe
60	203080000135	1	Corrugated pipe (Black)
61	203080000188	2	Corrugated pipe
62	203080000031	11	Corrugated pipe
63	203080000018	2	Ring tongue terminal
64	203080000030	1	Heat shrink tube

5.2.4 GROUND TO PLATFORM HARNESS (PN.101090060032, CABLE\_SC: 1000222)



No.	Part No.	Qty.	Description
	101090060032	1	Harness, ground to Platform
1	203080000349	1	Connector
2	203080000351	5	Pin
3	203080000353	1	Cover
4	203080003050	8	5-pin cable
5	203080000348	1	Connector
6	203080000355	5	Socket
7	203080000354	1	Cover
8	203080000350	2	Connector

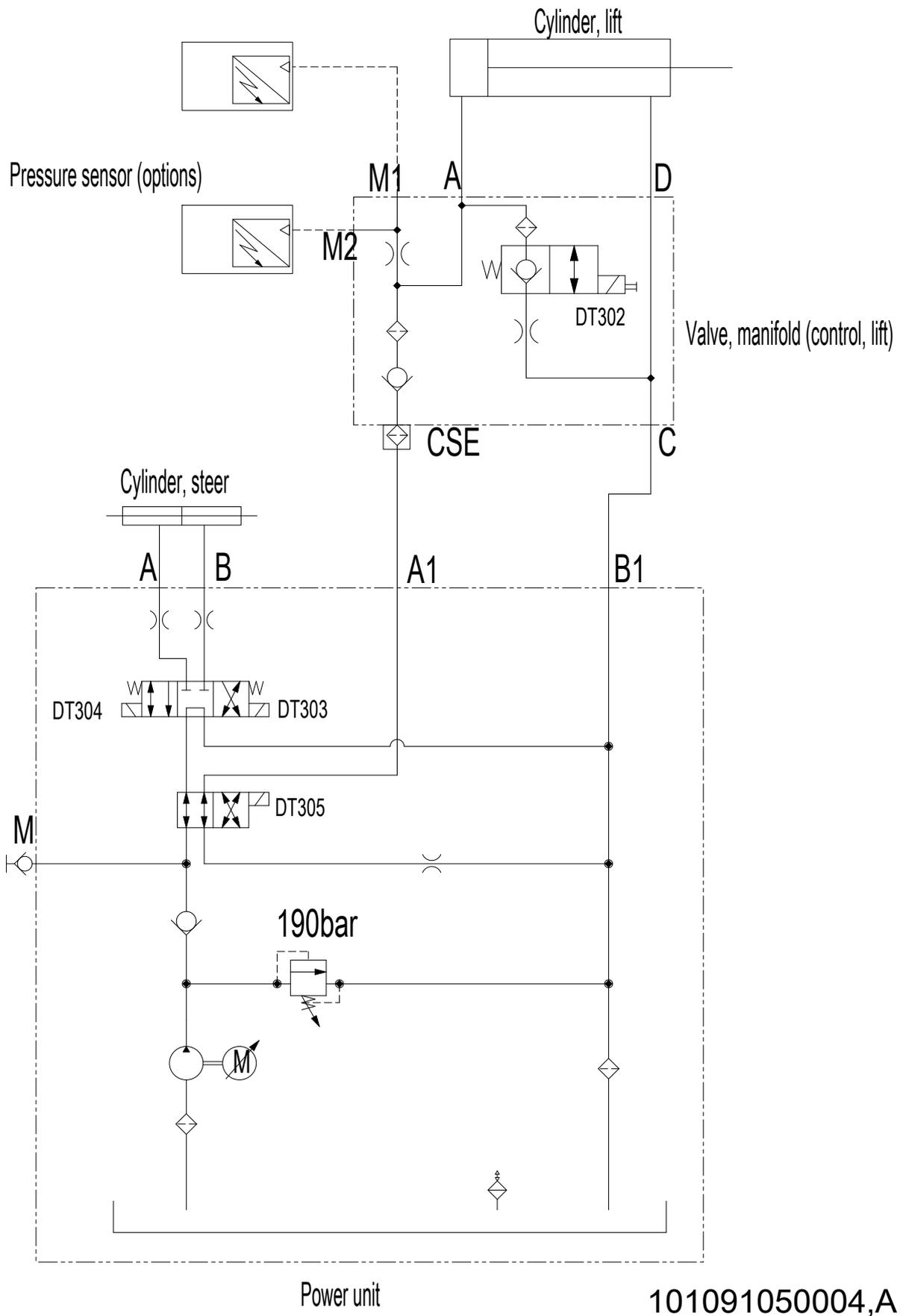
5.2.5 GROUND TO PLATFORM HARNESS (PN.101090060033, CABLE\_SC: 1000283)



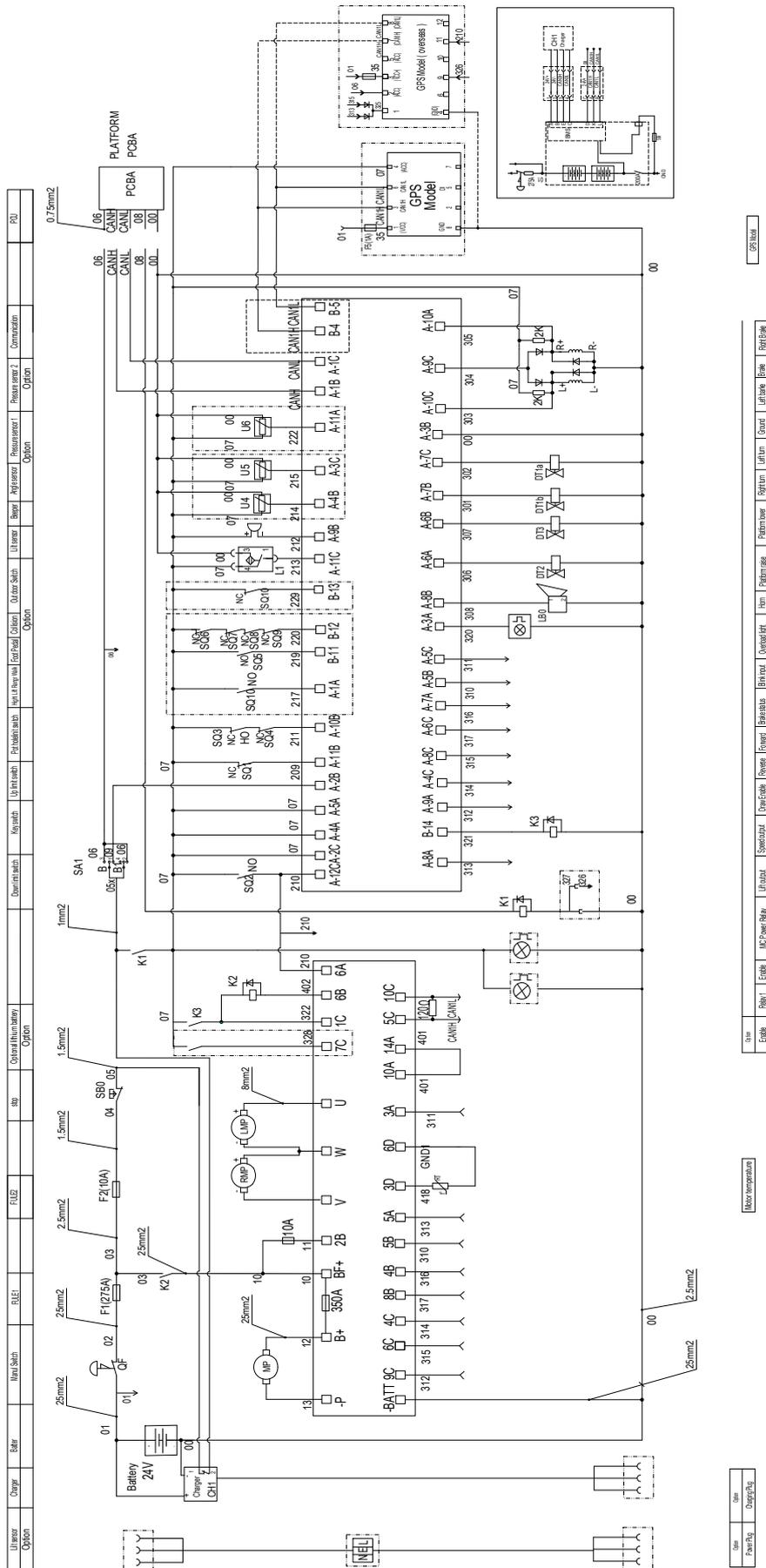
No.	Part No.	Qty.	Description
	101090060033	1	Harness, ground to Platform
1	203080000349	1	Connector
2	203080000351	5	Pin
3	203080000353	1	Cover
4	203080003032	8	5-pin cable
5	203080000348	1	Connector
6	203080000355	5	Socket
7	203080000354	1	Cover
8	203080000350	2	Connector

# 6 SCHEMATIC DIAGRAM

Hydraulic Schematic Diagram



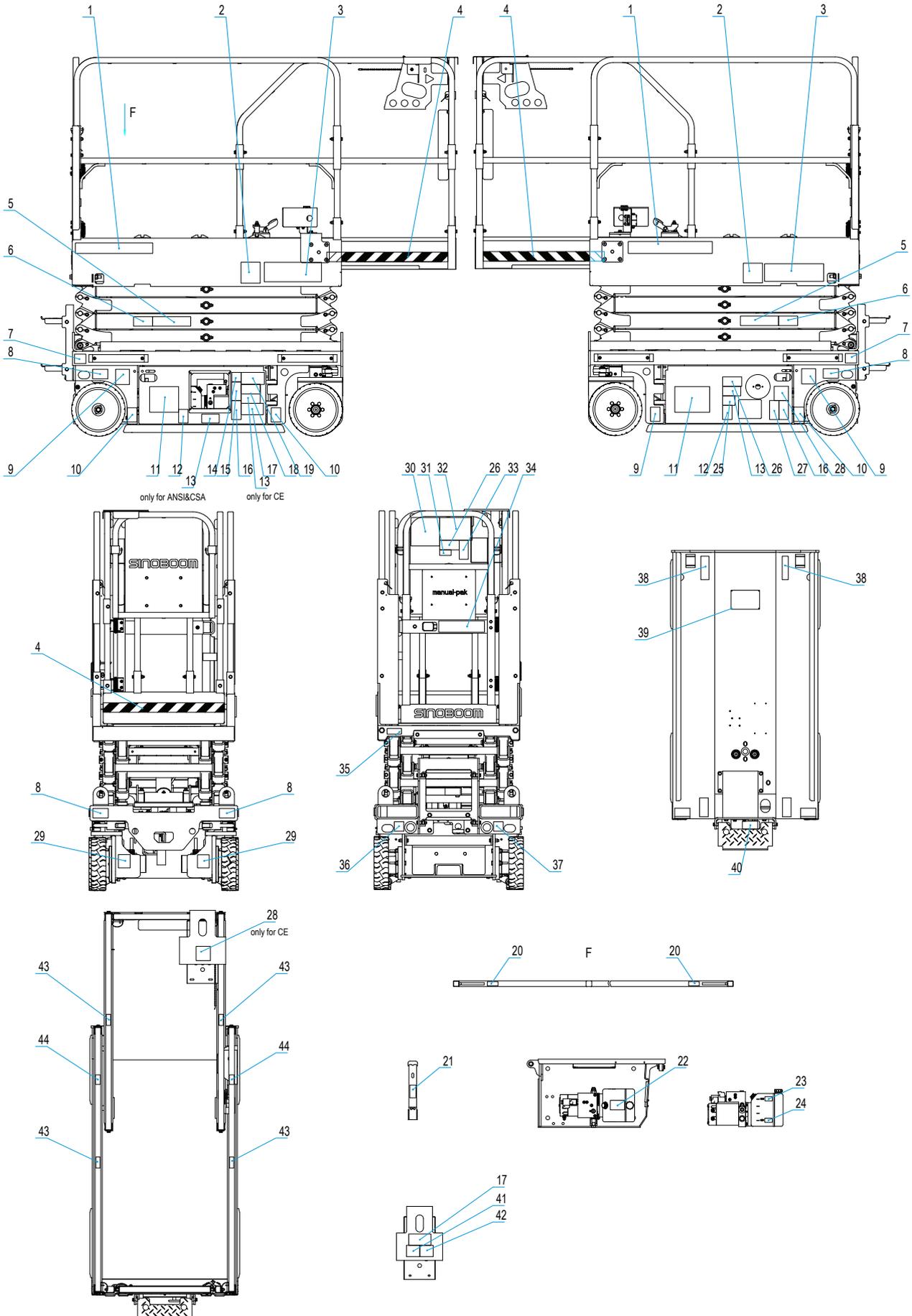
Electrical Schematic Diagram (ZAPI Motor Controller)



101062063057B



# 7 DECALS DIAGRAM



No.	ANSI&CSA-0407EN	CE (Metric)-0407EN	CE (Imperial)-0407EN	ANSI&CSA-0607EN	CE (Metric)-0607EN	CE (Imperial)-0607EN	Note	Qty.
	101090100004	101090100003	101090100002	101091100004	101091100003	101091100002	General diagram of decals positions	1
1	101040103021	101040103021	101040103021	101040103021	101040103021	101040103021	LOGO-SINOBOOM	2
2	103010103017	/	/	103010103017	/	/	Decal-Lead acid battery	2
3	101090100009	101090100008	101090100009	101091100009	101091100008	101091100009	Decal-Trade ID	2
4	216060000004	216060000004	216060000004	216060000004	216060000004	216060000004	Yellow & black hazard warning stripe tape	2
5	101079103017	101079103017	101079103017	101079103017	101079103017	101079103017	Decal-Crushing hazard	2
6	102015100025	102015100025	102015100025	102015100025	102015100025	102015100025	Decal-Crushing hazard	2
7	101012100026	101012100026	101012100026	101012100026	101012100026	101012100026	Decal-Forklift pockets	2
8	101079103010	101079103010	101079103010	101079103010	101079103010	101079103010	Decal-Lifting point and lashing point	4
9	101016100034	101016100034	101016100034	101016100034	101016100034	101016100034	Decal-Noise level of 72dB	2
10	101040103029	101040103025	101040103025	101062103009	101062103006	101062103006	Decal-Tire-to-ground load	4
11	101040103023	101040103023	101040103023	101040103023	101040103023	101040103023	Decal-Large logo in white	2
12	101014100013	101014100013	101014100013	101014100013	101014100013	101014100013	Decal-Crushing hazard	2
13	101012100008	101012100008	101012100008	101012100008	101012100008	101012100008	Decal-Tipping hazard	2
14	101014100018	101014100018	101014100018	101014100018	101014100018	101014100018	Decal-Lifting points	1
15	101038100002	101038100002	101038100002	101038100002	101038100002	101038100002	Decal-High pressure hazard	1
16	101038100008	101038100008	101038100008	101038100008	101038100008	101038100008	Decal-No smoking or fire	2
17	101062103022	/	/	101062103022	/	/	Decal-Check working environment	2
18	101040103013	101012100005	101012100005	101040103013	101012100005	101012100005	Decal-Electrocution hazard	1
19	101014100027	101014100027	101014100027	101014100027	101014100027	101014100027	Decal-Read manuals	1
20	103006103014	103006103014	103006103014	103006103014	103006103014	103006103014	Decal-Anchor point	4
21	101040100010	101040100010	101040100010	101040100010	101040100010	101040100010	Decal-Safety arm	1
22	101014100022	101014100022	101014100022	101014100022	101014100022	101014100022	Decal-Hydraulic oil filler	1
23	104011100010	104011100010	104011100010	104011100010	104011100010	104011100010	Decal-Hydraulic oil level	1
24	104011100003	104011100003	104011100003	104011100003	104011100003	104011100003	Decal-Hydraulic oil level	1

No.	ANSI&CSA-0407EN	CE (Metric)-0407EN	CE (Imperial)-0407EN	ANSI&CSA-0607EN	CE (Metric)-0607EN	CE (Imperial)-0607EN	Note	Qty.
25	101040103020	101040103018	101040103018	101040103020	101040103018	101040103018	Decal-Tipping hazard	1
26	101079103031	101079103031	101079103031	101079103031	101079103031	101079103031	Decal-Tipping hazard	2
27	101038100007	101038100007	101038100007	101038100007	101038100007	101038100007	Decal-Electrocution hazard	1
28	104011100016	104011100016	104011100016	104011100016	104011100016	104011100016	Decal-Emergency stop button	1
29	101040103046	101040103046	101040103046	101040103046	101040103046	101040103046	Decal-Release braking	2
30	101090100012	101090100010	101090100010	101091100012	101091100010	101091100010	Decal-Requirements of use	1
31	103010103014	/	/	103010103014	/	/	Decal-Non-insulated	1
32	101079103016	101079103016	101079103016	101079103016	101079103016	101079103016	Decal-General safety instructions	1
33	101048103023	/	/	101048103023	/	/	Decal-Operation instructions	1
34	101090100014	101090100011	101090100011	101091100013	101091100011	101091100011	Decal-Requirements of use	1
35	101040103015	/	/	101040103015	/	/	Decal-Annual inspection date	1
36	101091100014	101091100014	101091100014	101091100014	101091100014	101091100014	Decal-Charging voltage	1
37	101079103015	101079103015	101079103015	101079103015	101079103015	101079103015	Decal-Platform power plug	1
38	101014100032	101014100032	101014100032	101014100032	101014100032	101014100032	Decal-Serial number	2
39	215050000012	215050000012	215050000012	215050000012	215050000012	215050000012	Blind rivet 4×8-ZnD GB/T 12618.2	4
40	101012100011	101012100011	101012100011	101012100011	101012100011	101012100011	Decal-Emergency lowering	1
41	101040103014	/	/	101040103014	/	/	Decal-Detachable joystick bracket	1
42	101055103015	/	/	101055103015	/	/	Decal-Emergency stop button	1
43	/	101089100019	101089100019	/	101089100019	101089100019	Decal-Hand-hold position	4
44	/	101086103013	101086103013	/	101086103013	101086103013	Decal-Crushing hazard	2

# 8 OPTIONS

## 8.1 HYDRAULIC OIL OPTIONS

No.	Part No.	Qty.	Description
1	305070000001	1	Hydraulic oil(HM-46 ( 0°C~40 °C ) )
2	305070000006	1	Hydraulic oil(L-HS32 ( -22°C~25 °C ) )
3	305070000007	1	Hydraulic oil(AE-VX ( < -22°C ) )
4	305070000003	1	Hydraulic oil(HV-32 ( -15°C~25 °C ) )

# Always for Better Access Solutions



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