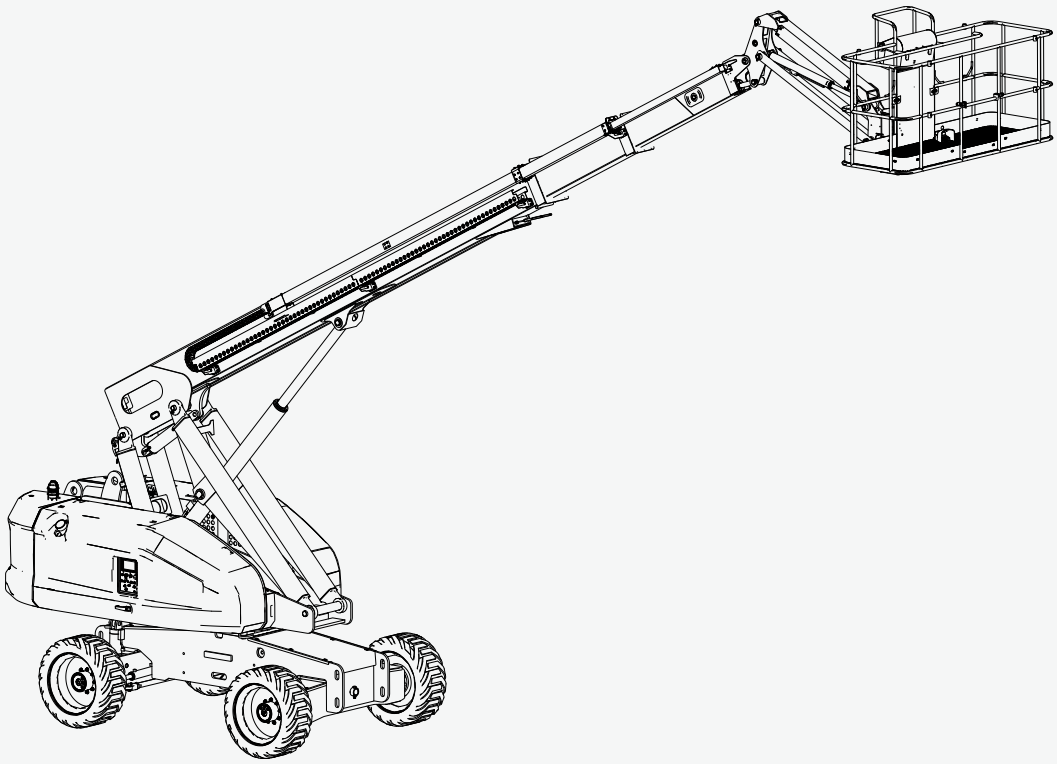
Parts Manual

Manual No: 505050120002-EN
Manual Version: E
Oct. 2024
Translated version

TB20J Plus (TB20J Plus/TB660J Plus) *0505000437/PL0505000197—*

TB20J Plus T4 (TB20J Plus) *0505000437*



CE ANSI AS/NZS SP EAC UKCA GB

SINOBOOM

⚠ WARNING

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates and lead, which are known to 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	REMARKS
A	May 2021	Original issue	
B	Jun. 2022	Updated the manual and added hydraulic generator,WEICHAI and YUCHAI engine ,etc	
C	Oct 2023	Updated the manual and added Hengli multi-way valve configuration, steel cable track configuration, etc	
D	August 2024	Added serial numbers for Poland machines	
E	Oct. 2024	Added Deutz TD2.9L4 T4f New America IV Engine Configuration	

APPLICABLE MODELS

The manual applies to the following models and serial numbers:

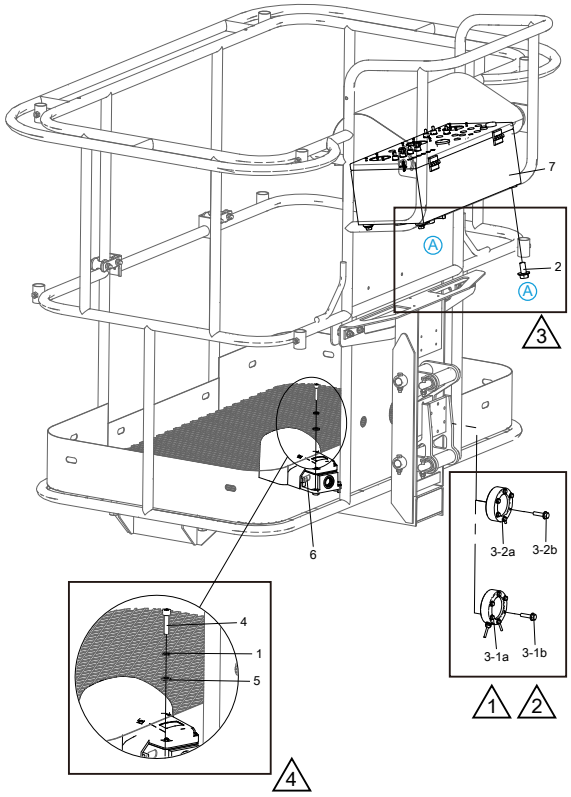
Model	Metric Trade Name	Imperial Trade Name	Serial No.
TB20J Plus	TB20J Plus	TB660J Plus	0505000437 PL0505000197—
TB20J Plus T4	TB20J Plus	/	0505000437

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.
- TB20J Plus T4 is referred to as TB20J Plus in the text.

NOTE

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



No.	Part No.	Qty.	Description
1	215040000004	3	Washer 6-A2-70 GB/T 93
2	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
3	103006060034		Options, Load sensor
3-1	103006060026	1	Load sensor installation
3-1a	203150000070	1	Load sensor
3-1b	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
3-2	103006060029	1	Load sensor installation
3-2a	203150000069	1	Load sensor
3-2b	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
4	215020000013	3	Screw M6×25-A2-70 GB/T 70.1
5	215040000033	3	Washer 6-A2 GB/T 97.1
6	203060000009	1	Footswitch
7	105002040001	1	Platform control box assembly

1 2

△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.

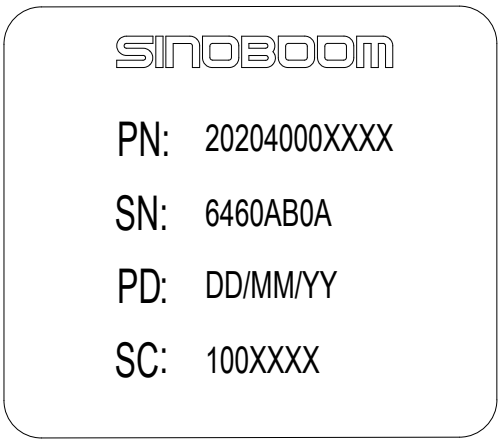
△3 “A, B, C……” in figure indicates the same parts in many positions, and the same position is indicated by the same symbol.

△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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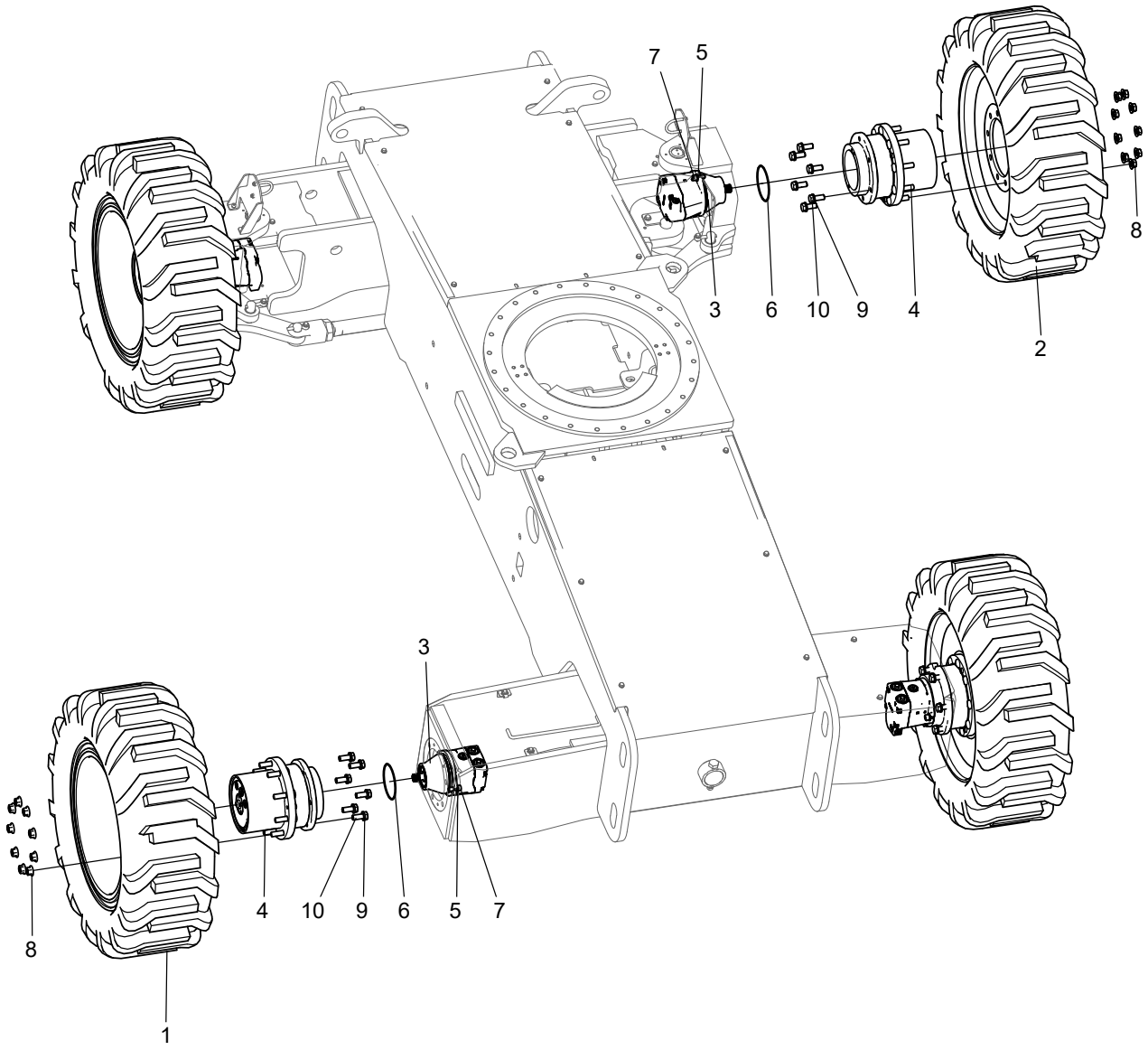
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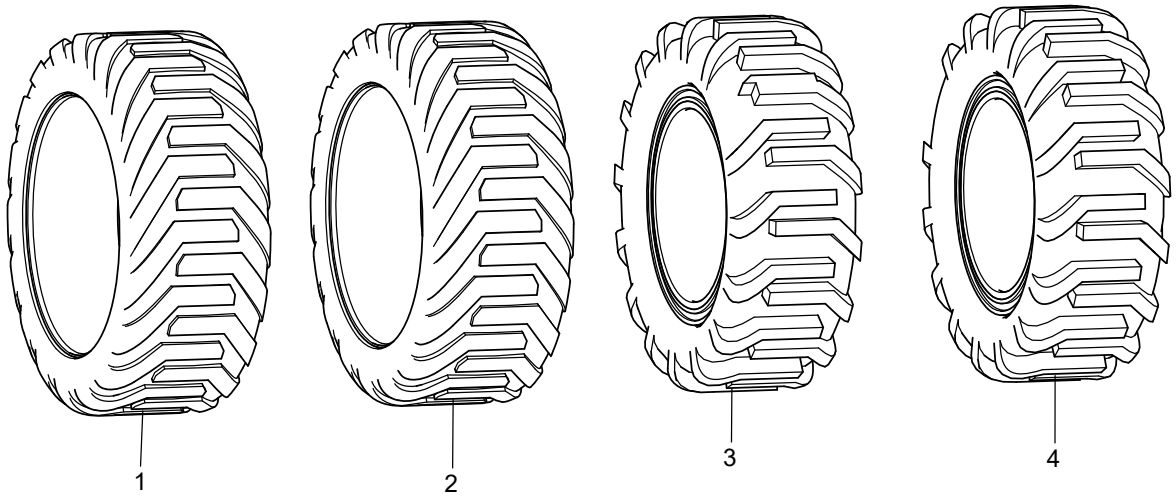
1 CHASSIS ASSEMBLY

1.1 DRIVE INSTALLATION



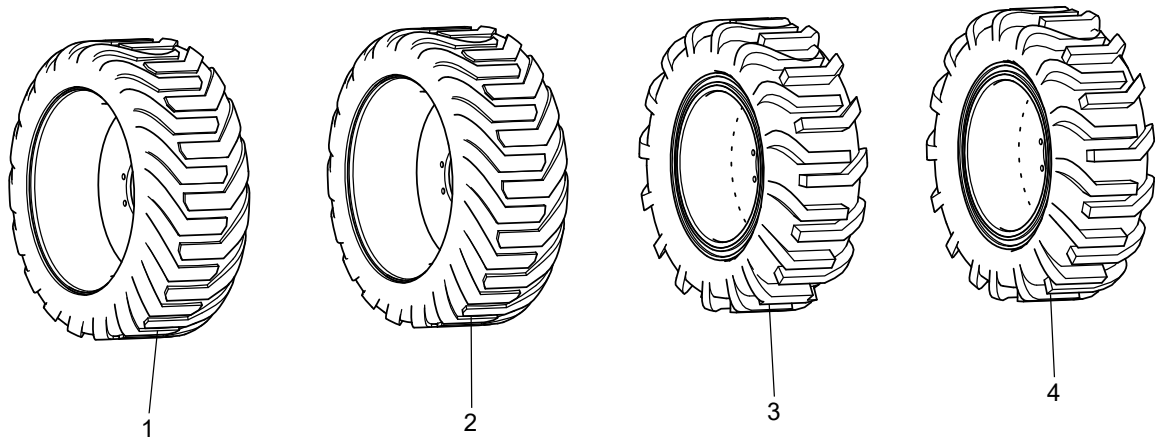
No.	Part No.	Qty.	Description
1	103008030006	2	Left tire options
2	103008030007	2	OPT, ASSY (tyre, R)
3	104009030088	4	Motor fitting assembly options
4	105050033057	4	Travelling reducer options
4-1	204020000026	1	Reducer(1000138)
4-2	204020003029	1	Reducer(1000321)
5	215040000051	8	Washer 12-DKL GB/T 1230
6	207040000058	4	O-ring
7	215020000074	8	Screw M12×30-10.9-DKL GB/T 70.1
8	215030000063	36	Nut M16×1.5-10-DKL DTF 6177.2
9	215040000052	24	Washer 16-DKL GB/T 1230
10	215010000111	24	Bolt M16×40-10.9-DKL GB/T 5783

1.2 LEFT TIRE ASSEMBLY OPTIONS



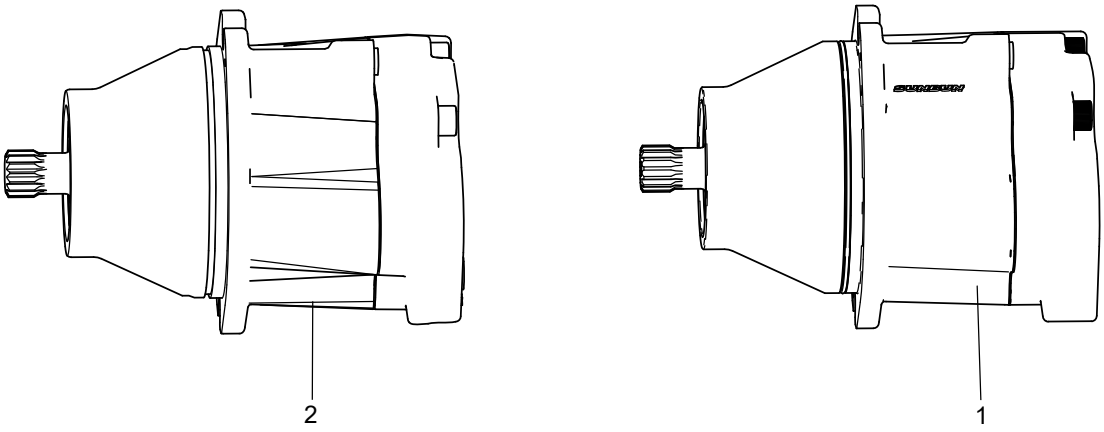
No.	Part No.	Qty.	Description
1	103008030037	1	Left Wheel Foam Tyre Assembly [Z](355/55D625)
2	103008033050	1	Left tire and wheel assembly, non-marking, foam filled(355/55D625)
3	103008030002	1	Tire assembly, left(36*14-20/7.50V-20)
4	103008030004	1	Left non-marking tire assembly(36*14-20/7.50V-20)

1.3 RIGHT TIRE ASSEMBLY OPTIONS



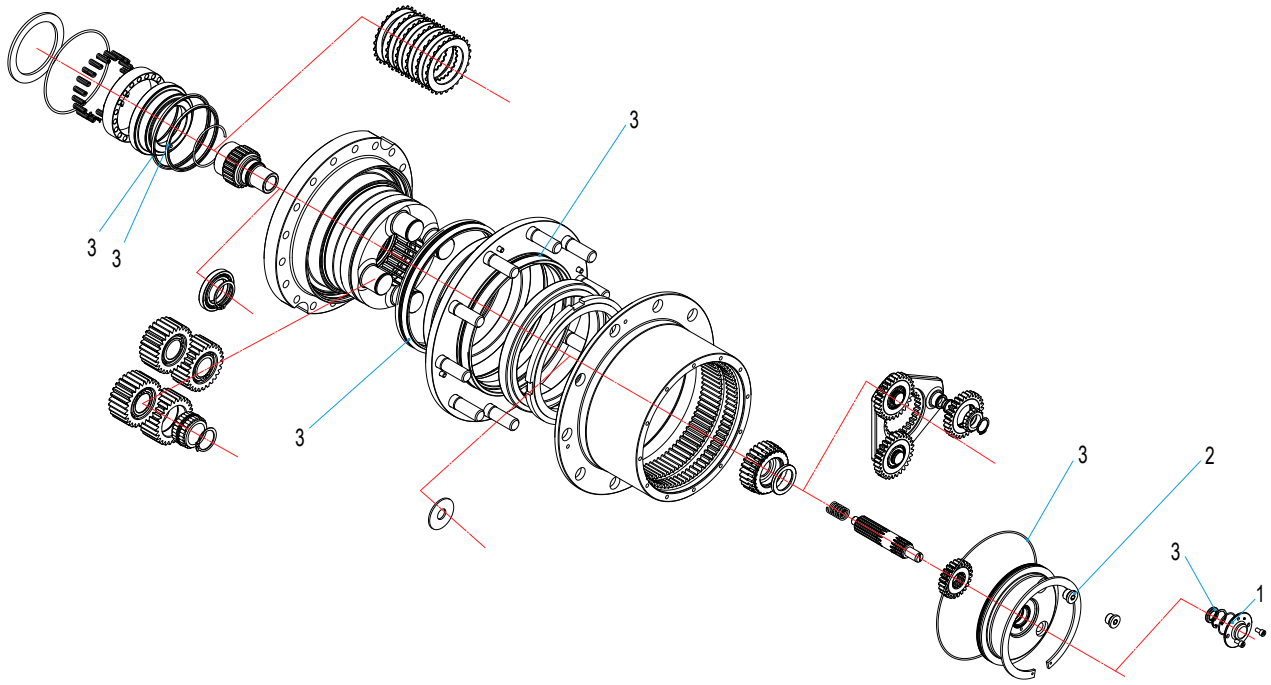
No.	Part No.	Qty.	Description
1	103008030008	1	Right Wheel Foam Tyre Assembly [Z](355/55D625)
2	103008033049	1	Right tire and wheel assembly, non-marking, foam filled(355/55D625)
3	103008030001	1	Tire assembly, right(36*14-20/7.50V-20)
4	103008030003	1	Right tire assembly, non-marking(36*14-20/7.50V-20)

1.4 DRIVE MOTOR OPTIONS



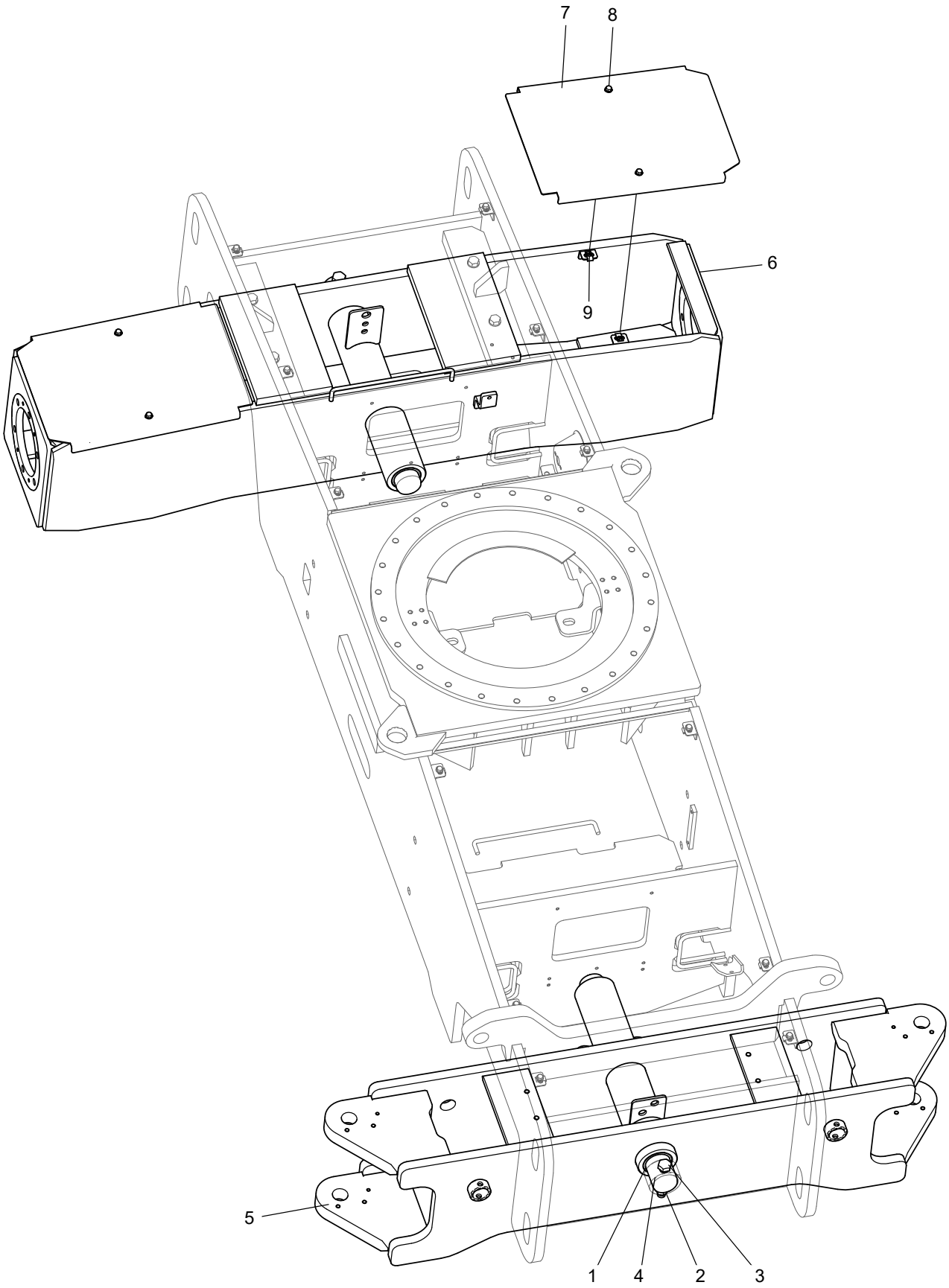
No.	Part No.	Qty.	Description
1	202020003005	1	Travel motor(1000179)
2	202020000024	1	Travel motor(1000107)
2a	207990003104	1	Seal kit, drive motor

1.5 DRIVE REDUCER (PN.204020000026)



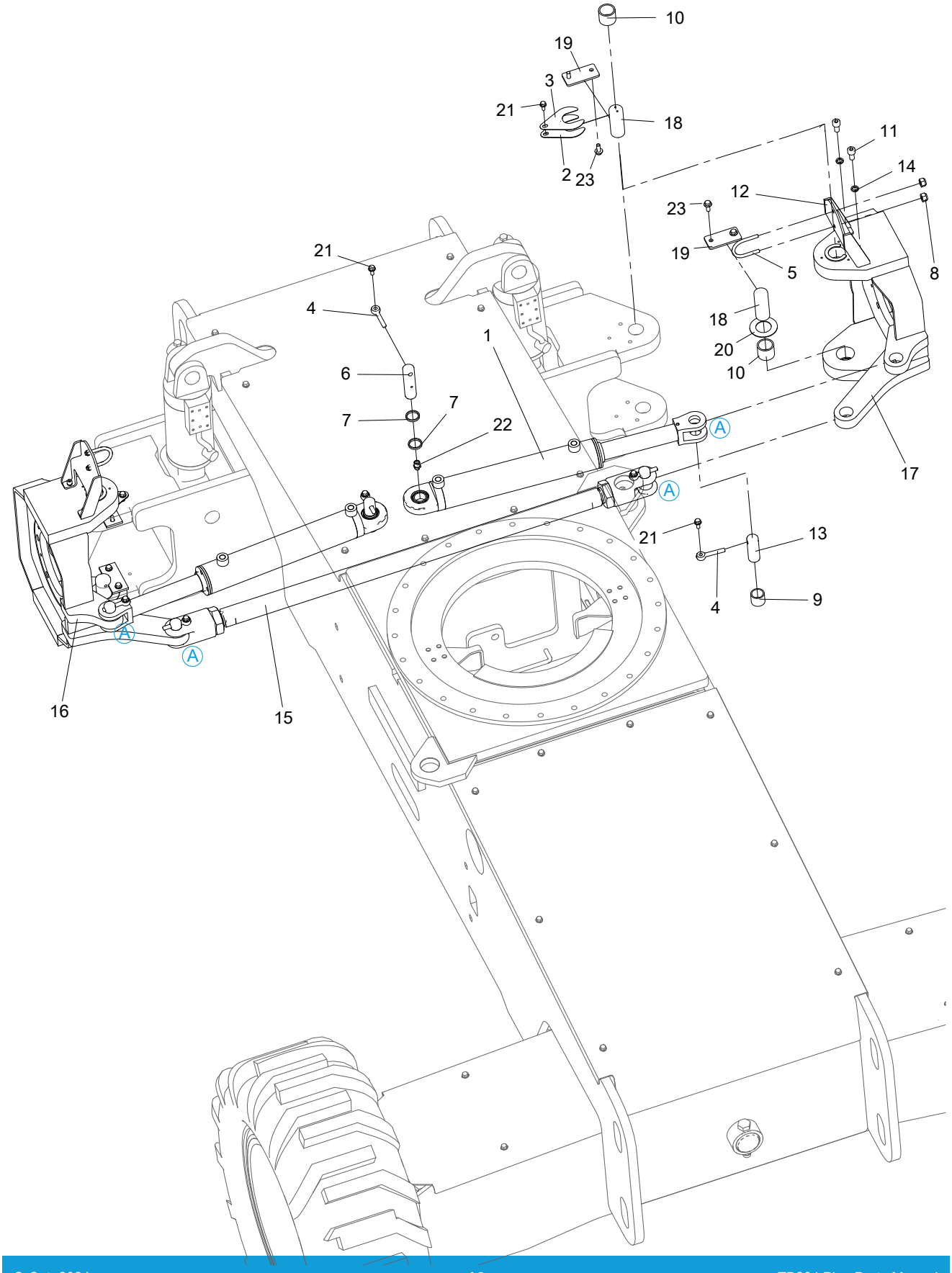
No.	Part No.	Qty.	Description
1	201990003020	1	Small end cap
2	207080003000	2	Oil plug
3	207060003012	1	Seal kit

1.6 OUTRIGGER INSTALLATION



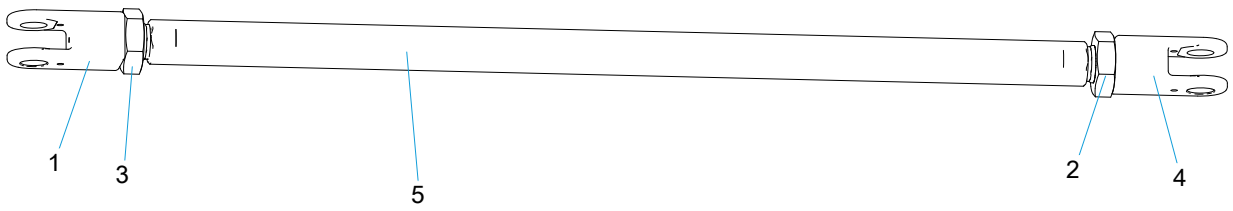
No.	Part No.	Qty.	Description
1	214030000071	4	Bearing, self-lubricating
2	215030000098	2	Nut M20-8-ZnD GB/T 889.1
3	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
4	105001030043	2	Shaft XGΦ65-695[Z]
5	103008030044	1	Front stationary outrigger assembly
6	105051030002	1	Rear outrigger
7	103008030032	2	Plate, cover (small)
8	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
9	215030000106	4	B type spring nuts

1.7 STEER INSTALLATION



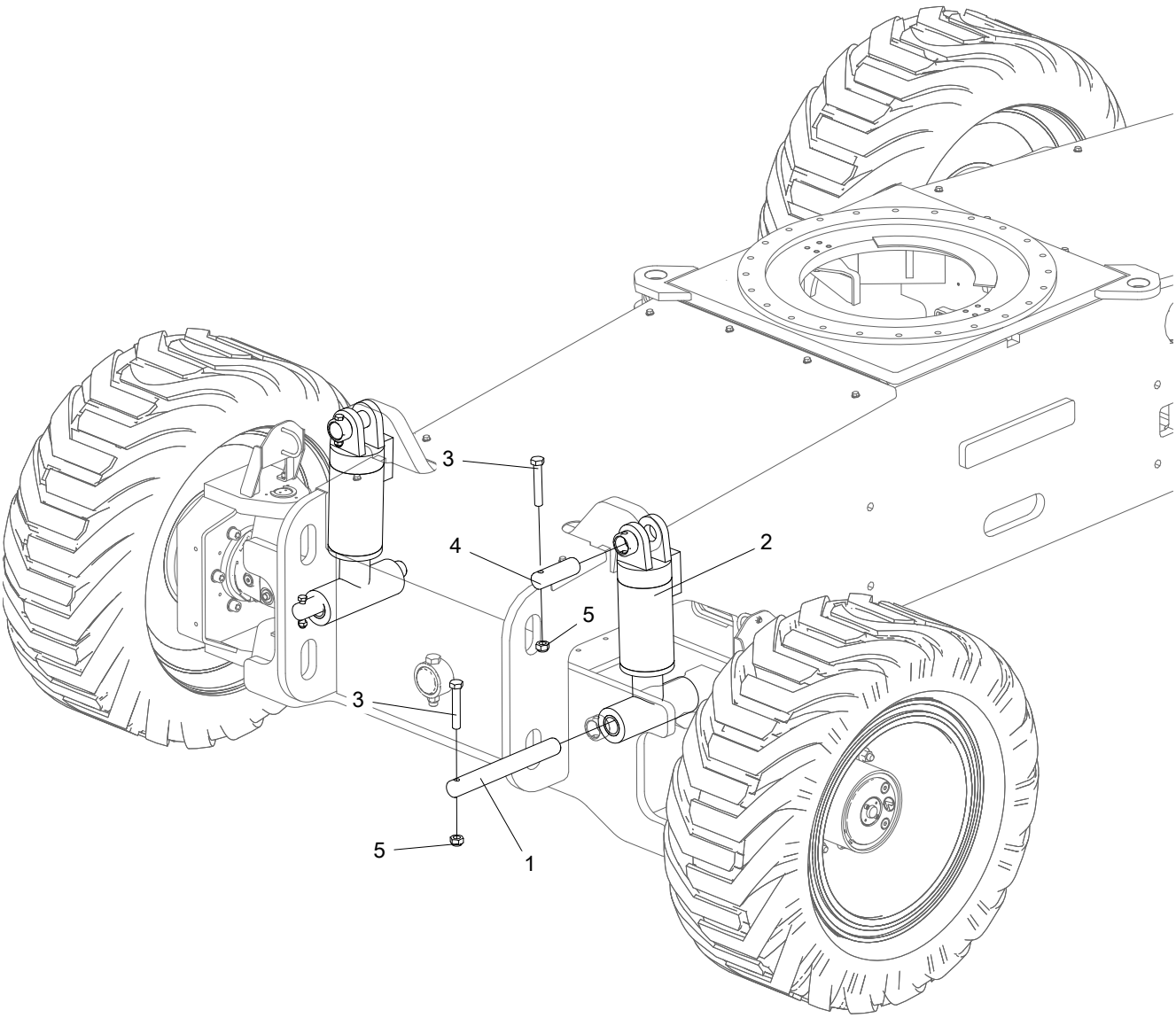
No.	Part No.	Qty.	Description
1	103008030070	2	Cylinder,steer(B)
1a-1	207990003891	1	Seal kit, cylinder(1000898)
1a-2	207990003327	1	Seal kit, cylinder(1000148)
1a-3	207990003331	1	Seal kit, cylinder(1000145)
2	103008033000	2	Shim
3	103008033001	2	Shim
4	101012010044	6	Keeper pin
5	104016020023	2	U-clamp
6	105001030055	2	Shaft XGΦ30-105 [Z]
7	105001030034	4	Bush, spacer
8	215030000026	4	Nut M8-8-ZnD GB/T889.1
9	214030000006	4	Self-lubricating bearing
10	214030000053	4	Self-lubricating bearing
11	215020000022	4	Screw M8×16-8.8-ZnD GB/T 70.1
12	104021030002	2	Tube Bracket
13	105001030060	4	Shaft XGΦ30-80[Z]
14	215040000005	4	Washer 8-ZnD GB/T 93
15	103008030072	1	Steer linkage(See the Steer Link section)
16	105051030004	1	Steer disc, left
17	105051030003	1	Steer disc,right
18	103008033056	4	Shaft XGΦ40-100[Z]
19	103008033055	4	Plate, clamp
20	105001030054	2	Washer
21	215010000234	8	Bolt M8×20-8.8-ZnD GB/T 5789
22	207010000003	2	Grease nipple M10×1 GB/T 1152
23	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789

1.8 STEER LINKAGE



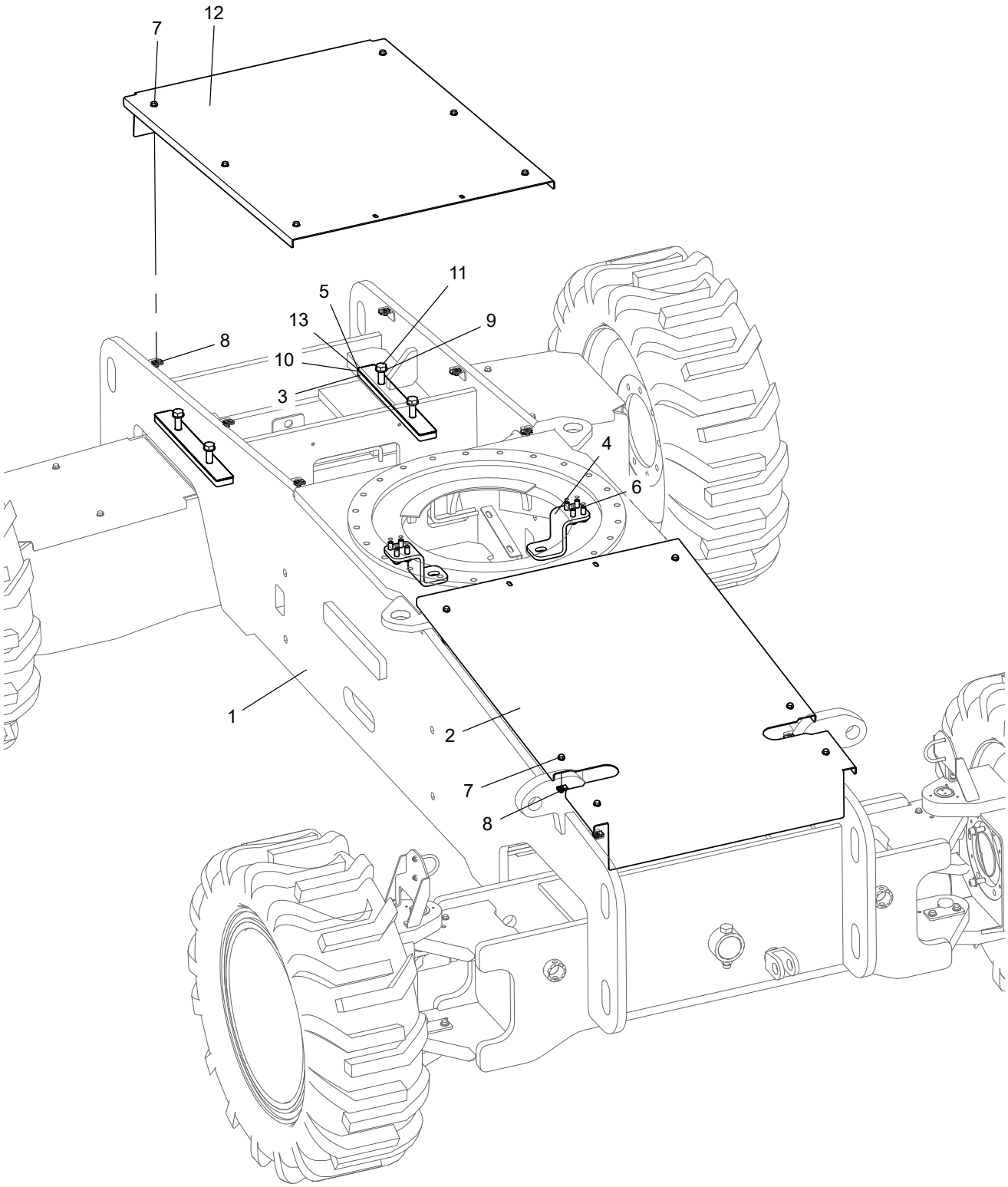
No.	Part No.	Qty.	Description
1	105001030041	1	Head I, mounting
2	215030000065	1	Nut M42×2-8-ZnD GB/T 6173
3	215030000066	1	Nut M42×2-LH-8-ZnD GB/T 6173
4	105001030047	1	Head II, mounting
5	103008030058	1	Rod, connecting

1.9 OSCILLATE CYLINDER INSTALLATION



No.	Part No.	Qty.	Description
1	103008030060	2	Shaft XGΦ40-340[Z]
2	105001030077	2	Cylinder, support(C)
2a-1	207990003892	1	Seal kit, cylinder(1000898)
2a-2	207990003335	1	Seal kit, cylinder(1000026)
3	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783
4	104008030005	2	Shaft XGΦ40-125[Z]
5	215030000029	4	Nut M12-8-ZnD GB/T 6184

1.10 CHASSIS ACCESSORY INSTALLATION

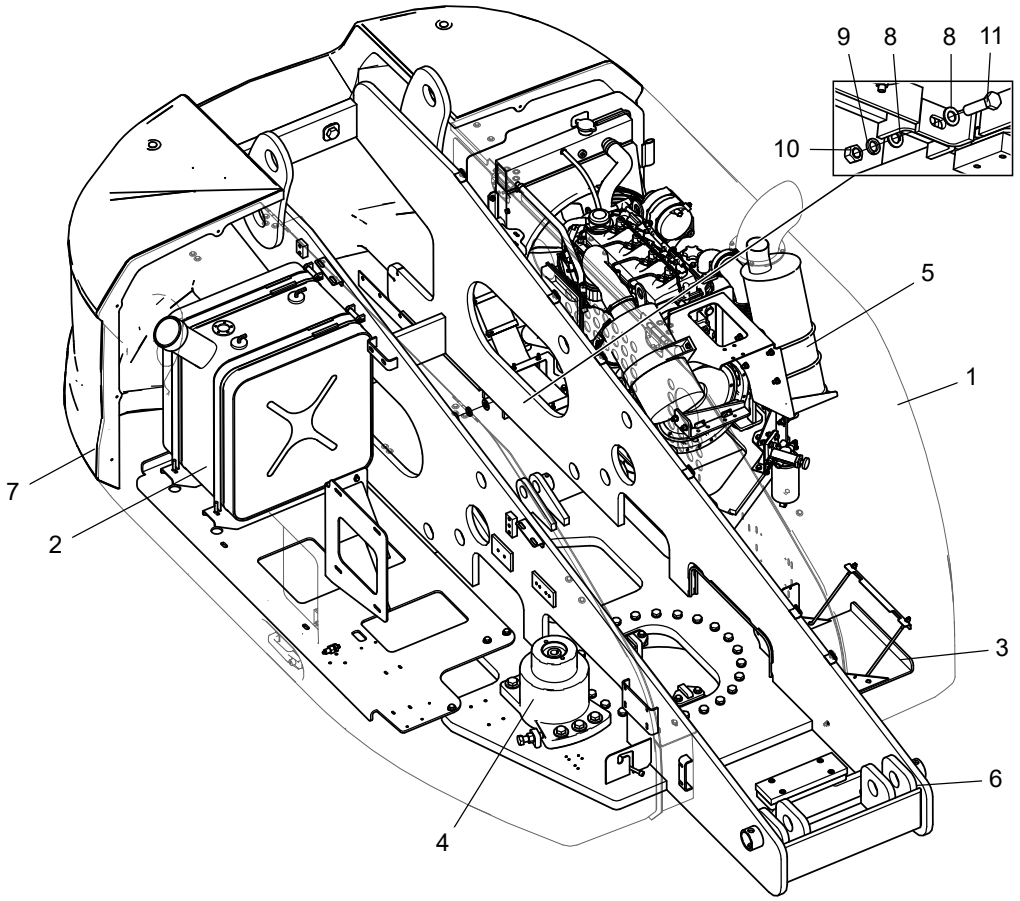


No.	Part No.	Qty.	Description
1	103008030015	1	Chassis weldment
2	103008030029	1	Cover plate
3	105031030026	2	Plate, backing
4	105049033000	2	Middle Return Bracket
5	105031030011	2	Pad, adjusting
6	215010000261	8	Bolt M12×30-10.9 DKL GB/T 5789
7	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
8	215030000106	12	B type spring nuts
9	215040000052	4	Washer 16-DKL GB/T 1230
10	103008033057	2	Pad, adjusting
11	215010000118	4	Bolt M16×60-10.9-DKL GB/T 5783
12	103008030045	1	Cover plate
13	105031030013	2	Pad, adjusting

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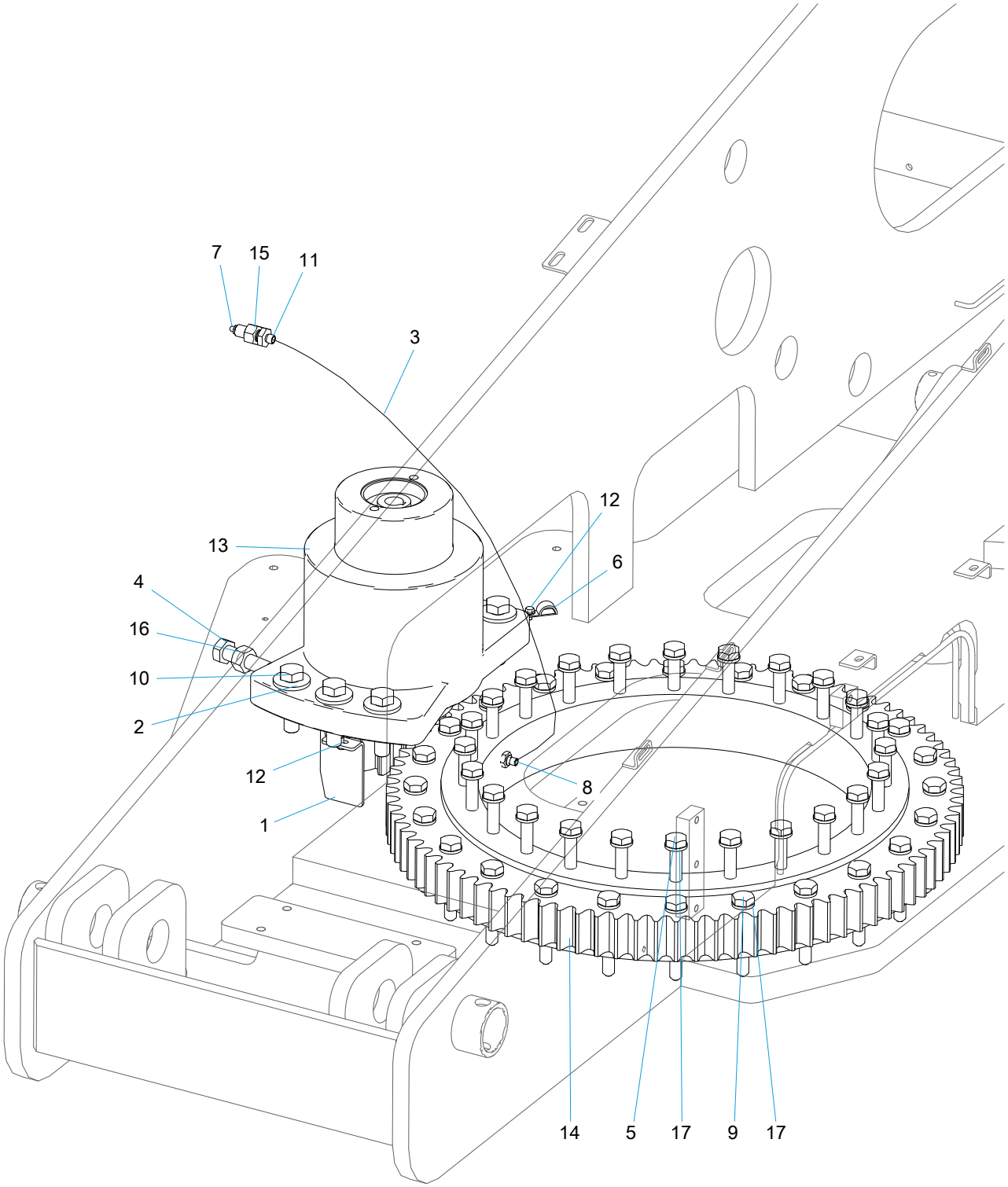
2 TURNTABLE ASSEMBLY

2.1 TURNTABLE ASSEMBLY



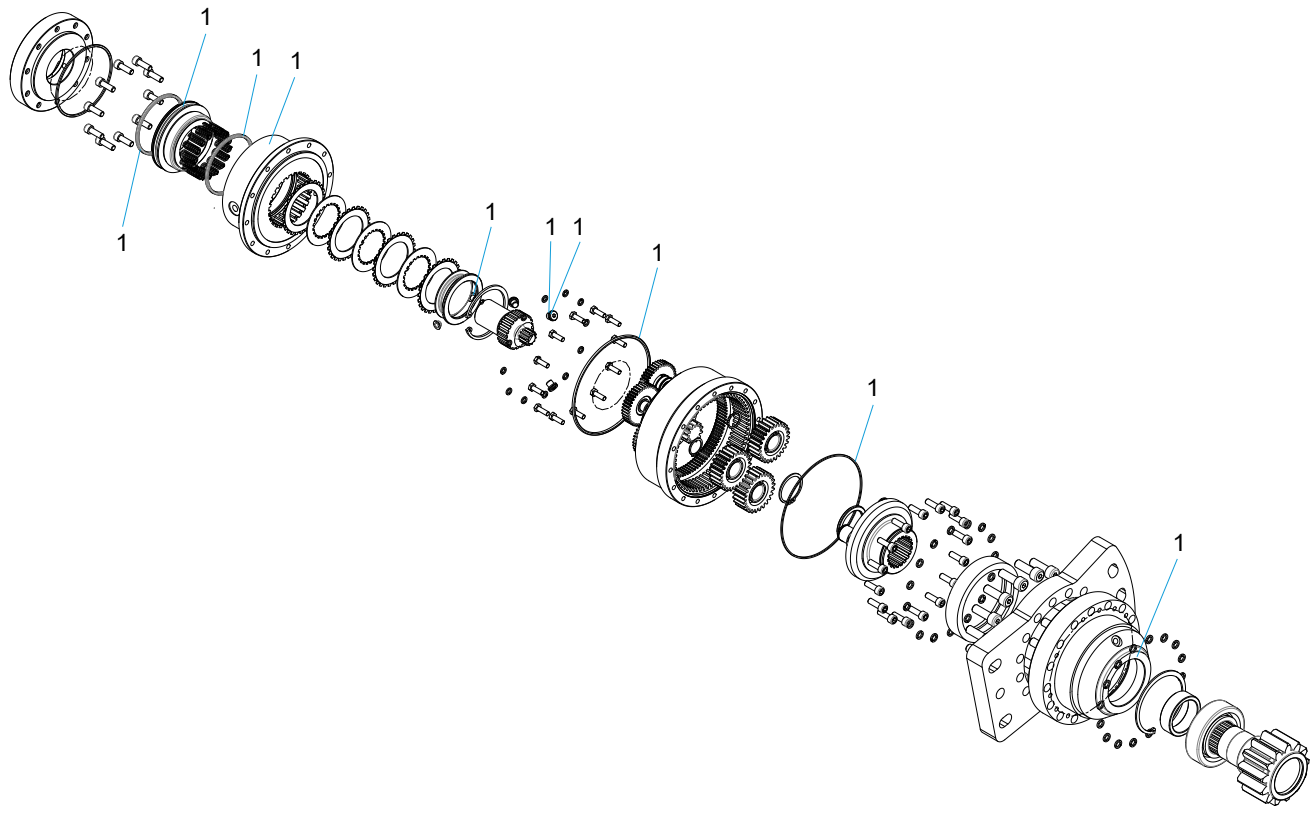
No.	Part No.	Qty.	Description
1	105025023191	1	Turntable cover installation
2	105025023020	1	Fuel tank intallation
3	105025023180	1	Turntable & accessories installation
4	105025023023	1	Slewing mechanism
5	105025023401	1	Engine options
6	105025023013	1	Turntable Structure [Z]
7	105068023034		Options,Counterweight installation
8	215040000041	2	Washer 20-200HV-ZnD GB/T 97.1
9	215040000009	1	Washer 20 GB/T 93
10	215030000012	1	Nut M20-8-ZnD GB/T 6170
11	215010000210	1	Bolt M20×75-8.8-ZnD-GB/T 5783

2.2 SLEWING MECHANISM



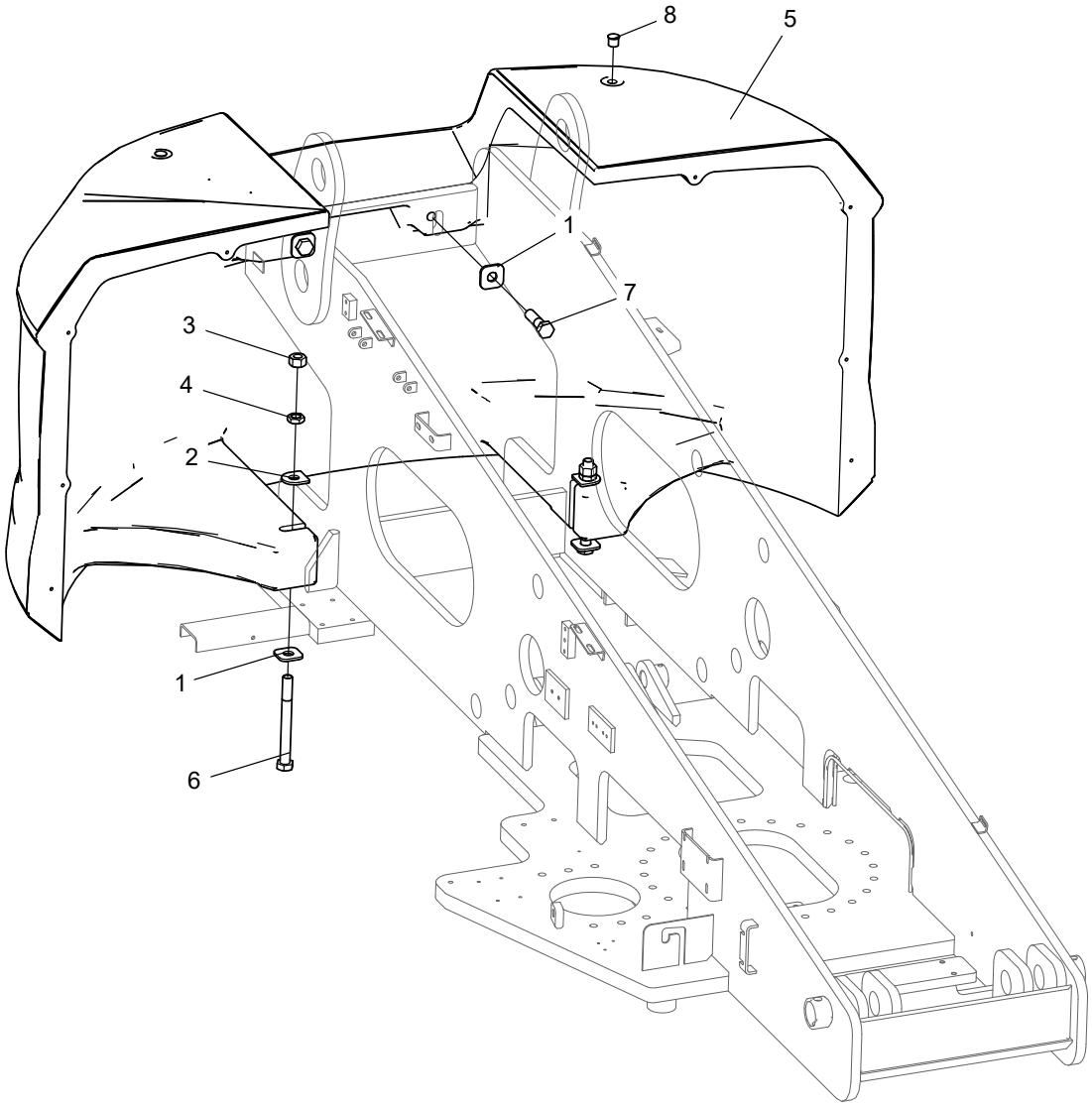
No.	Part No.	Qty.	Description
1	103008023105	1	Slot Plate
2	105032023010	6	Pad
3	213050000698	1	Hose
4	215010000210	1	Bolt M20×75-8.8-ZnD-GB/T 5783
5	215010000151	24	Bolt M16×80-10.9-DKL GB/T 1228
6	203080000275	1	PVC wire clip
7	207010000003	1	Grease nipple M10×1 GB/T 1152
8	213010000060	1	Coupler
9	215010000153	24	Bolt M16×110-10.9-DKL GB/T 1228
10	215010000027	6	Bolt M20×80-8.8-ZnD GB/T 5782
11	105001020225	1	Fitting
12	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
13	204020000002	1	Slewing reducer
13a	207060003009	1	Seal kit, slewing reducr
14	204120000001	1	Slewing bearing
15	215030000010	1	Nut M16-8-ZnD GB/T 6170
16	215030000012	1	Nut M20-8-ZnD GB/T 6170
17	215040000052	48	Washer 16-DKL GB/T 1230

2.3 SLEWING REDUCER (PN.204020000002)



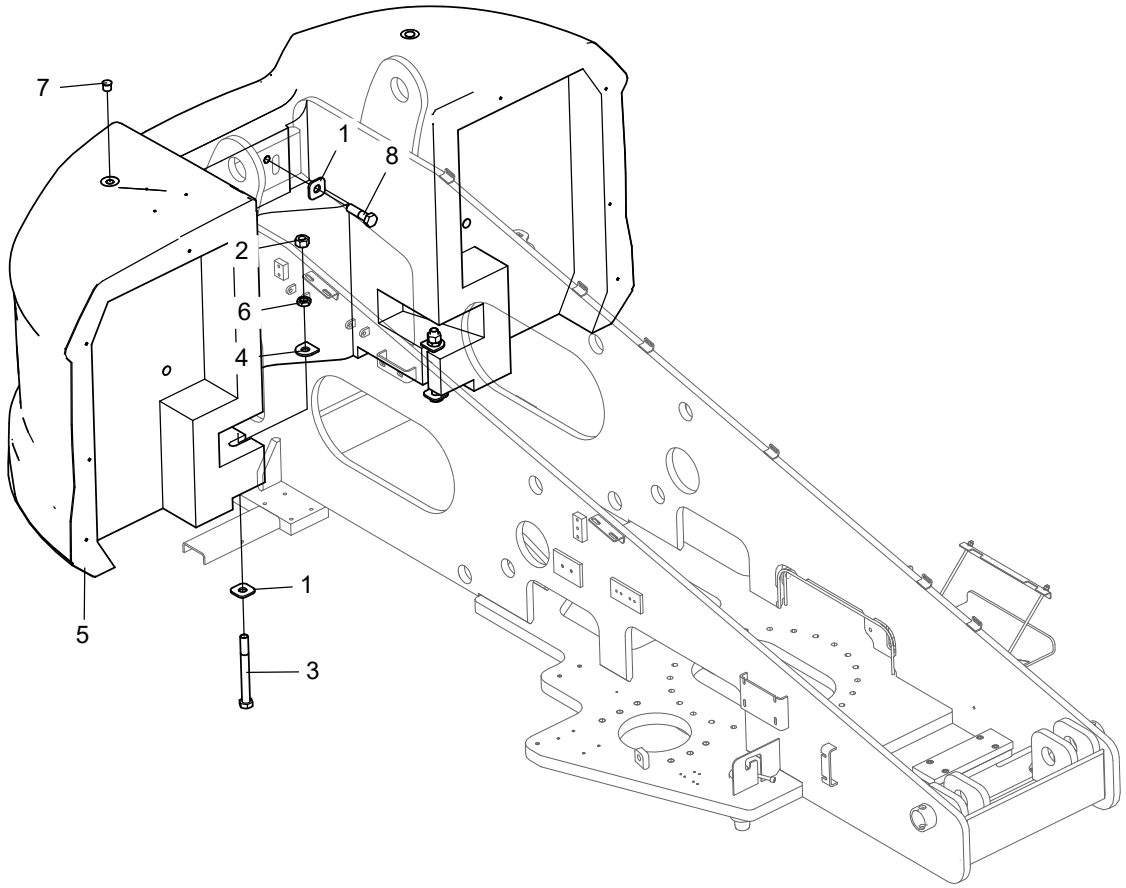
No.	Part No.	Qty.	Description
1	207060003009	1	Seal kit, slewing reducr

2.4 COUNTERWEIGHT INSTALLATION



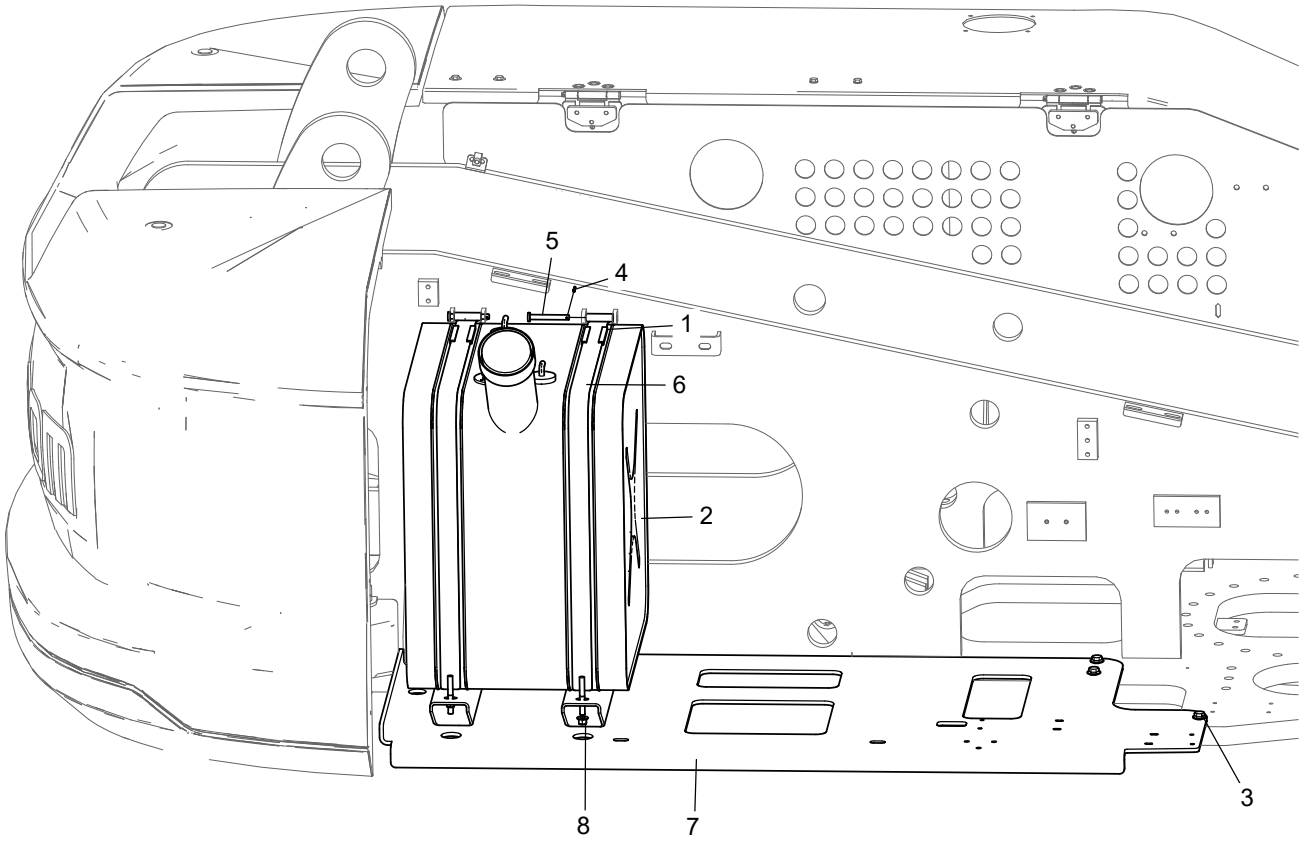
No.	Part No.	Qty.	Description
1	105001020138	4	Pad
2	105001020137	2	Pad
3	215030000014	2	Nut M24-8-ZnD GB/T 6170
4	215030000021	2	Nut M24-04-ZnD GB/T 6172.1
5	105029020002	1	Counterweight
6	215010000165	2	Bolt M24×230-8.8-ZnD GB/T 5782
7	215010000030	2	Bolt M24×90-8.8-ZnD GB/T 5782
8	213060003001	2	Hole plug

2.5 (FILLING) COUNTERWEIGHT INSTALLATION



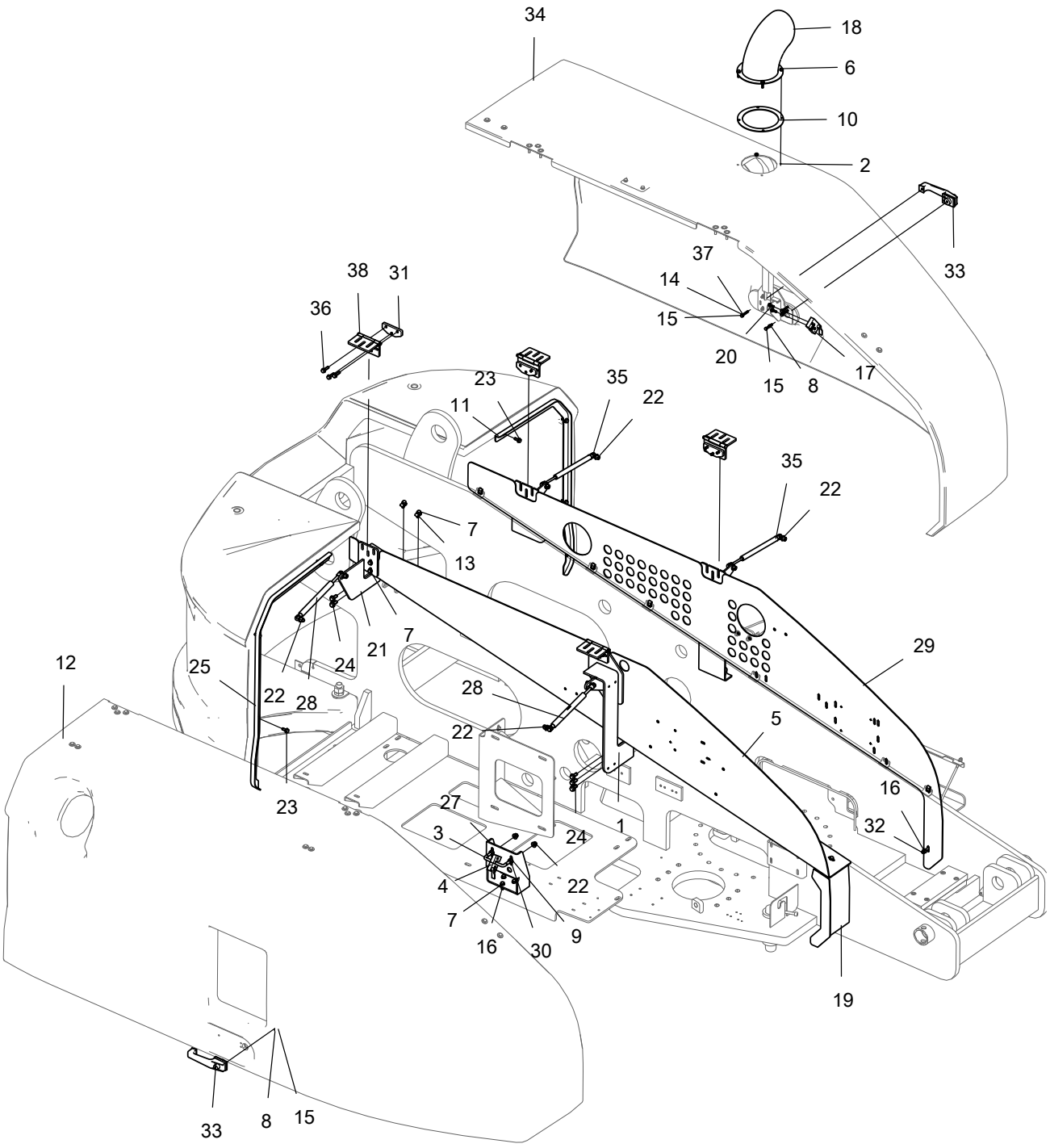
No.	Part No.	Qty.	Description
1	105001020138	4	Pad
2	215030000014	2	Nut M24-8-ZnD GB/T 6170
3	215010000165	2	Bolt M24×230-8.8-ZnD GB/T 5782
4	105001020137	2	Pad
5	105030023010	1	Counterweight
6	215030000021	2	Nut M24-04-ZnD GB/T 6172.1
7	213060003001	4	Hole plug
8	215010000030	2	Bolt M24×90-8.8-ZnD GB/T 5782

2.6 FUEL TANK INSTALLATION



No.	Part No.	Qty.	Description
1	216030000023	4	Double U-typed clamp
2	105001020142	1	Fuel tank
3	215010000242	7	Bolt M12×25-8.8-ZnD GB/T 5789
4	215060000003	2	Pin 3.2×16-ZnD GB/T 91
5	215060000030	2	Clevis pin B10×80-ZnD GB/T 882
6	105001020148	2	Mounting strap
7	105025023234	1	Plate, bottom (fuel tank)
8	215030000109	2	Nut M10-8-ZnD GB/T 6183.1

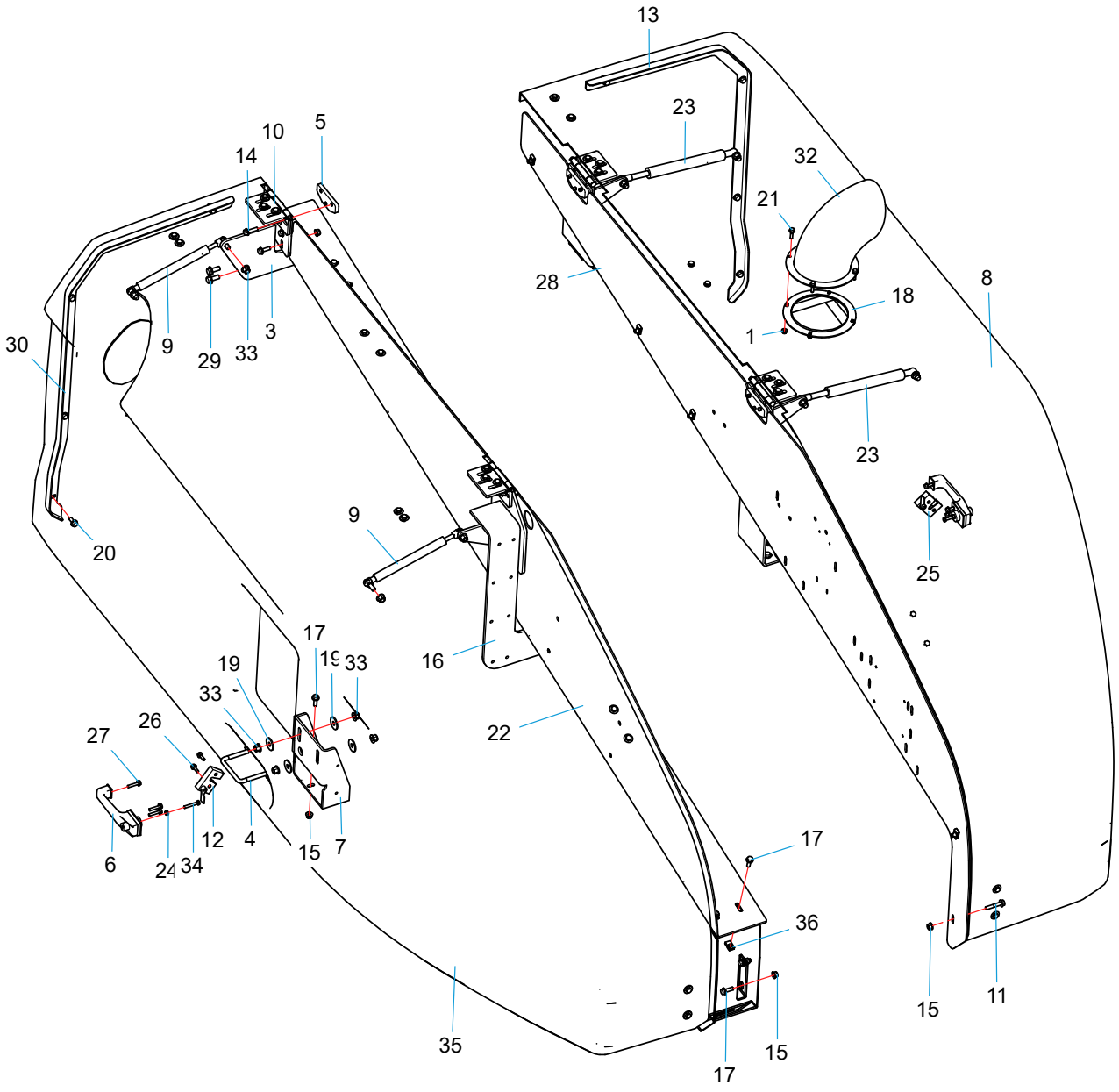
2.7 TURNTABLE COVER INSTALLATION



No.	Part No.	Qty.	Description
1	105029020062	1	Bracket
2	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
3	105021020163	1	U-bolt
4	209050000003	1	Latch, left
5	105025023021	1	Plate,bending
6	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
7	215010000235	21	Bolt M8×25-8.8-ZnD GB/T 5789
8	215030000004	2	Nut M6-A2-70 GB/T 6170
9	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
10	105038020018	1	Bottom plate
11	105029020024	1	Right Bracket
12	105029020047	1	Left turntable cover installation
13	215030000106	10	B type spring nuts
14	215040000004	3	Washer 6-A2-70 GB/T 93
15	215010000054	5	Bolt M6×40-A2-70 GB/T 5783
16	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
17	209050000002	1	Latch, right
18	105038020045	1	Weldment, exhaust elbow
19	105025023215	1	Plate, sealing (turntable cover)
20	215010000231	4	Bolt M6×20-8.8-ZnD GB/T 5789
21	105029020023	1	Bracket
22	215030000109	10	Nut M10-8-ZnD GB/T 6183.1
23	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
24	215010000238	5	Bolt M10×25-8.8-ZnD GB/T 5789
25	105029020020	1	Left Bracket
26	216030000004	1	Seal strip(Not shown)
27	105026023019	1	Bracket
28	210010000063	2	Gas strut
29	105025023279	1	Side Panel
30	215030000006	2	Nut M10-8-ZnD GB/T 6170
31	105021020162	4	Mounting Plate
32	215010000257	1	Bolt M8×45-8.8-ZnD GB/T 5789
33	209030000009	2	Lock handle
34	105029020052	1	Right turntable cover installation
35	210010000060	2	Gas strut
36	215010000236	12	Bolt M8×30-8.8-ZnD GB/T 5789
37	215040000033	3	Washer 6-A2 GB/T 97.1
38	105001020118	4	Hinge

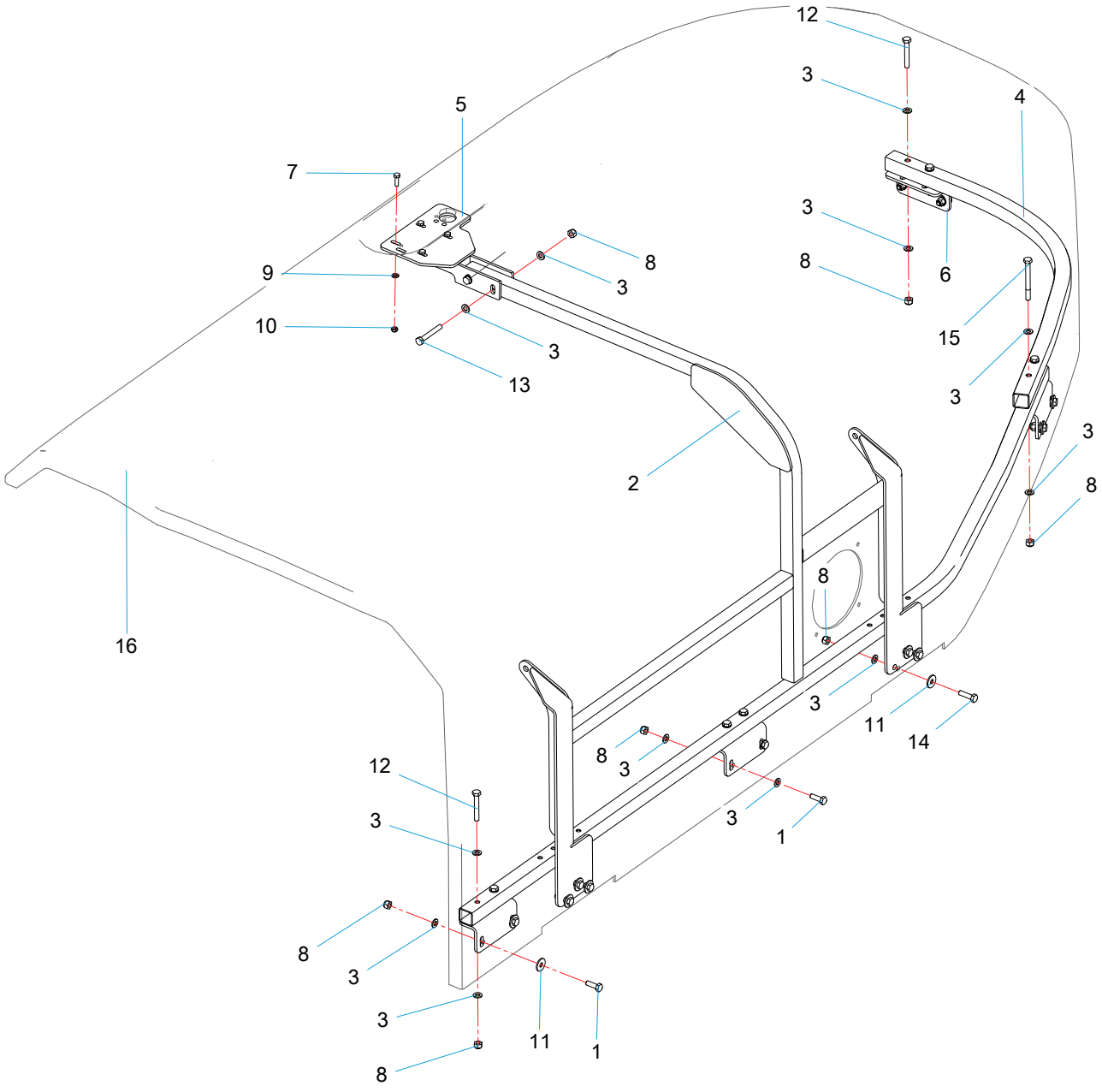
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2.8 TURNTABLE COVER INSTALLATION (TD2.9L4 T4F NEW AMERICA IV)



No.	Part No.	Qty.	Description
1	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
2	216030000004	1	Seal strip
3	105029020023	1	Bracket
4	105021020163	1	U-bolt
5	105021020162	4	Mounting Plate
6	209030000009	2	Lock handle
7	105026023019	1	Bracket
8	105050023199	1	Right turntable cover installation
9	210010000063	2	Gas strut
10	105001020118	4	Hinge
11	215010000257	1	Bolt M8×45-8.8-ZnD GB/T 5789
12	209050000003	1	Latch, left
13	105029020024	1	Right Bracket
14	215010000236	12	Bolt M8×30-8.8-ZnD GB/T 5789
15	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
16	105029020062	1	Bracket
17	215010000235	21	Bolt M8×25-8.8-ZnD GB/T 5789
18	105038020018	1	Bottom plate
19	215040000125	4	Washer 10-100HV-ZnD GB/T 5287
20	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
21	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
22	105025023021	1	Plate,bending
23	210010000031	2	Gas strut
24	215030000004	2	Nut M6-A2-70 GB/T 6170
25	209050000002	1	Latch, right
26	215010000231	4	Bolt M6×20-8.8-ZnD GB/T 5789
27	215010000282	6	Bolt M6×30-8.8-ZnD GB/T 5789
28	114002023022	1	Plate, side
29	215010000238	5	Bolt M10×25-8.8-ZnD GB/T 5789
30	105029020020	1	Left Bracket
31	105025023215	1	Plate, sealing (turntable cover)
32	105038020045	1	Weldment, exhaust elbow
33	215030000109	12	Nut M10-8-ZnD GB/T 6183.1
34	215010000054	2	Bolt M6×40-A2-70 GB/T 5783
35	105050023095	1	Left turntable cover installation
36	215030000106	10	B type spring nuts

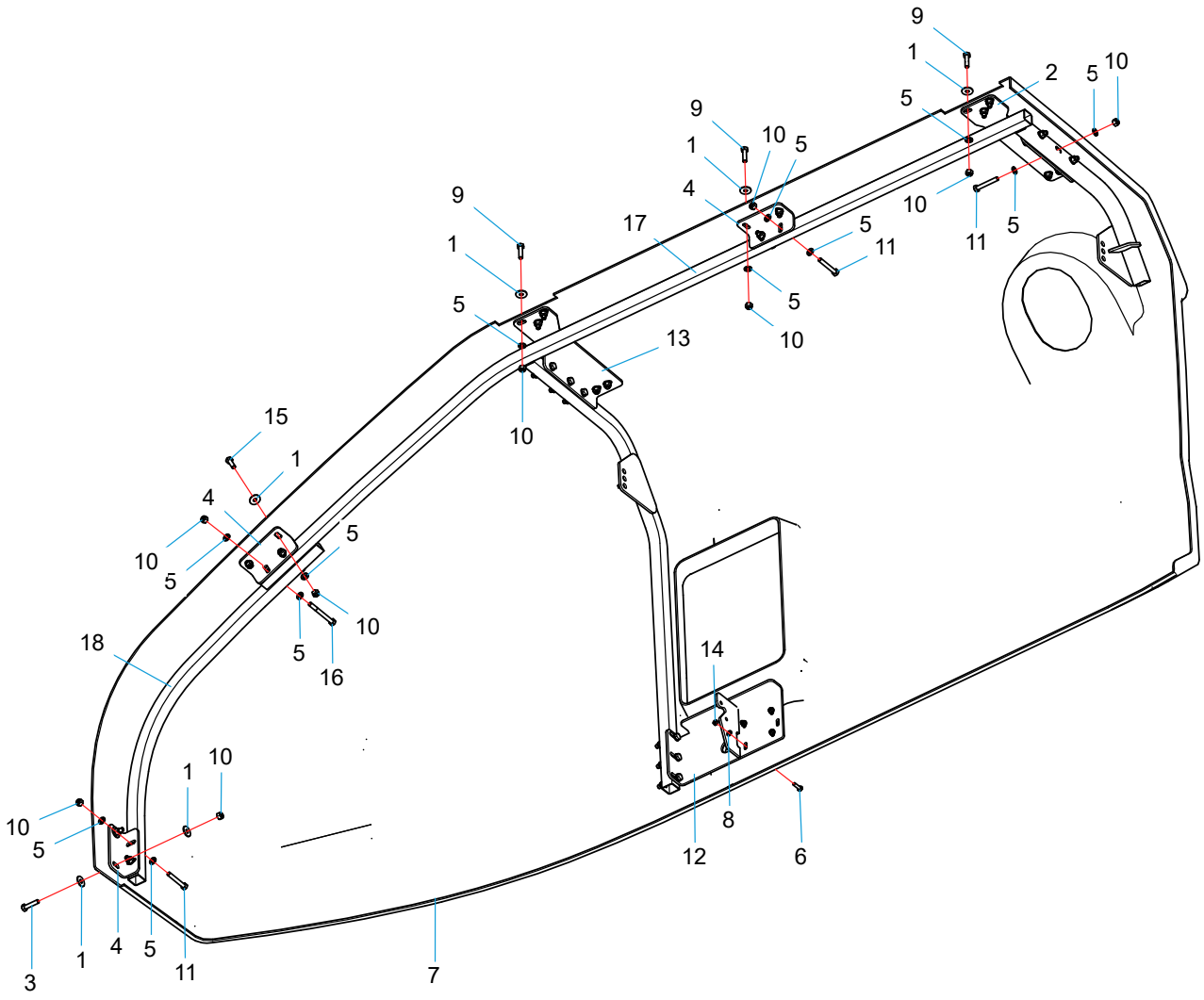
2.9 RIGHT TURNTABLE COVER INSTALLATION



No.	Part No.	Qty.	Description
1	215010000058	8	Bolt M8×25-8.8-ZnD GB/T 5783
2	105055023151	1	Support
3	215040000034	36	Washer 8-200HV-ZnD GB/T 97.1
4	114002023086	1	Square tube
5	105055023126	1	Support,latch
6	105055023124	4	Plate,bending
7	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
8	215030000026	24	Nut M8-8-ZnD GB/T889.1
9	215040000033	4	Washer 6-A2 GB/T 97.1
10	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
11	215040000015	12	Washer 8-200HV-ZnD GB/T 96.1
12	215010000064	6	Bolt M8×55-8.8-ZnD GB/T 5783
13	215010000065	2	Bolt M8×60-8.8-ZnD GB/T 5783
14	215010000059	6	Bolt M8×30-8.8-ZnD GB/T 5783
15	215010000006	2	Bolt M8×80-8.8-ZnD GB/T 5782
16	105050023197	1	Turntable cover,right

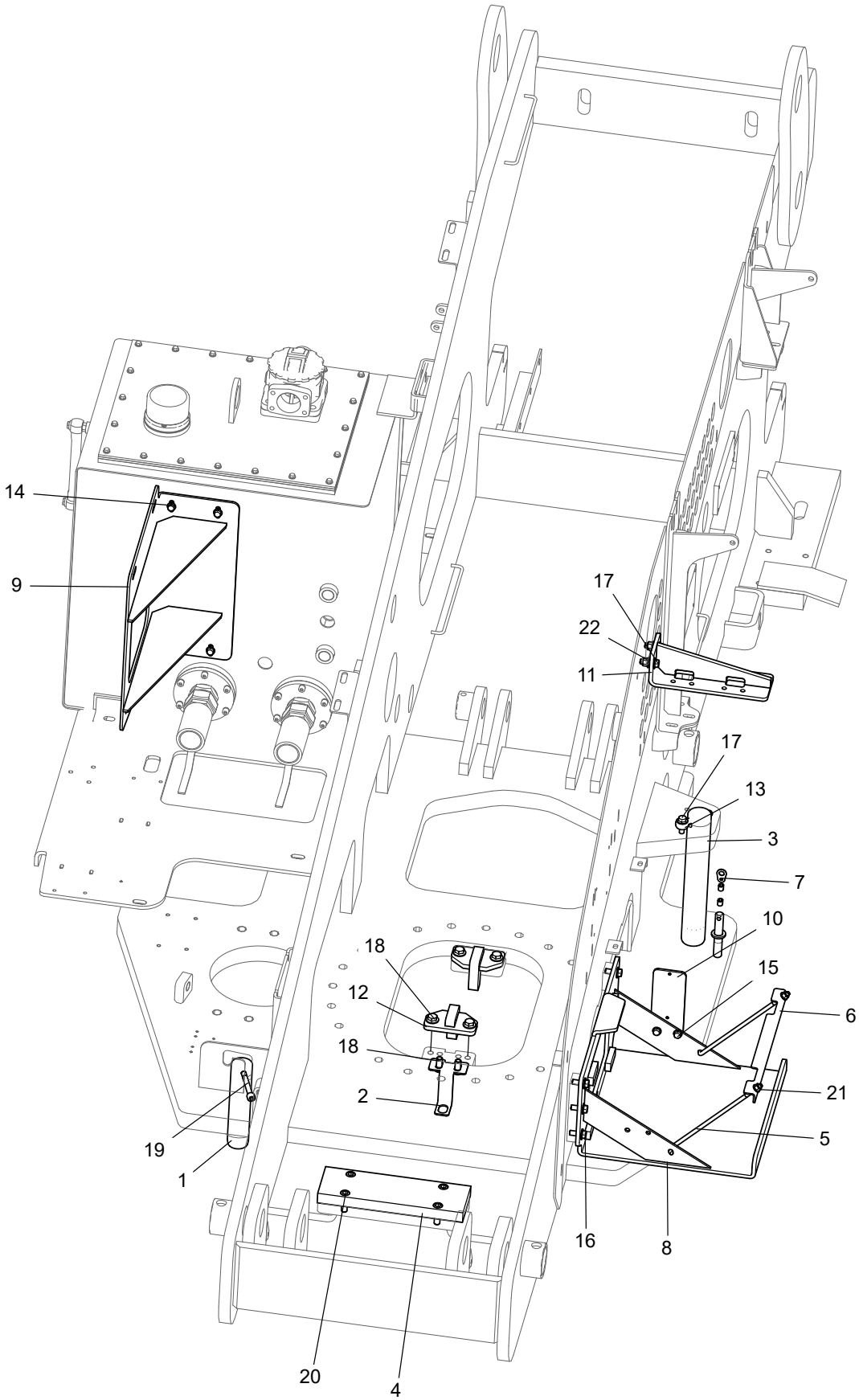
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2.10 LEFT TURNTABLE COVER INSTALLATION



No.	Part No.	Qty.	Description
1	215040000015	18	Washer 8-200HV-ZnD GB/T 96.1
2	105055023119	1	Mounting plate,hinge
3	215010000060	2	Bolt M8×35-8.8-ZnD GB/T 5783
4	105055023124	3	Plate,bending
5	215040000034	44	Washer 8-200HV-ZnD GB/T 97.1
6	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
7	105050023097	1	Turntable cover,left
8	215040000033	4	Washer 6-A2 GB/T 97.1
9	215010000059	8	Bolt M8×30-8.8-ZnD GB/T 5783
10	215030000026	31	Nut M8-8-ZnD GB/T889.1
11	215010000064	13	Bolt M8×55-8.8-ZnD GB/T 5783
12	105055023158	1	Support
13	105055023122	1	Mounting plate,hinge
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	215010000058	6	Bolt M8×25-8.8-ZnD GB/T 5783
16	215010000006	2	Bolt M8×80-8.8-ZnD GB/T 5782
17	105055023157	1	Steel frame,left
18	114002023086	1	Square tube

2.11 TURNTABLE ACCESSORY INSTALLATION



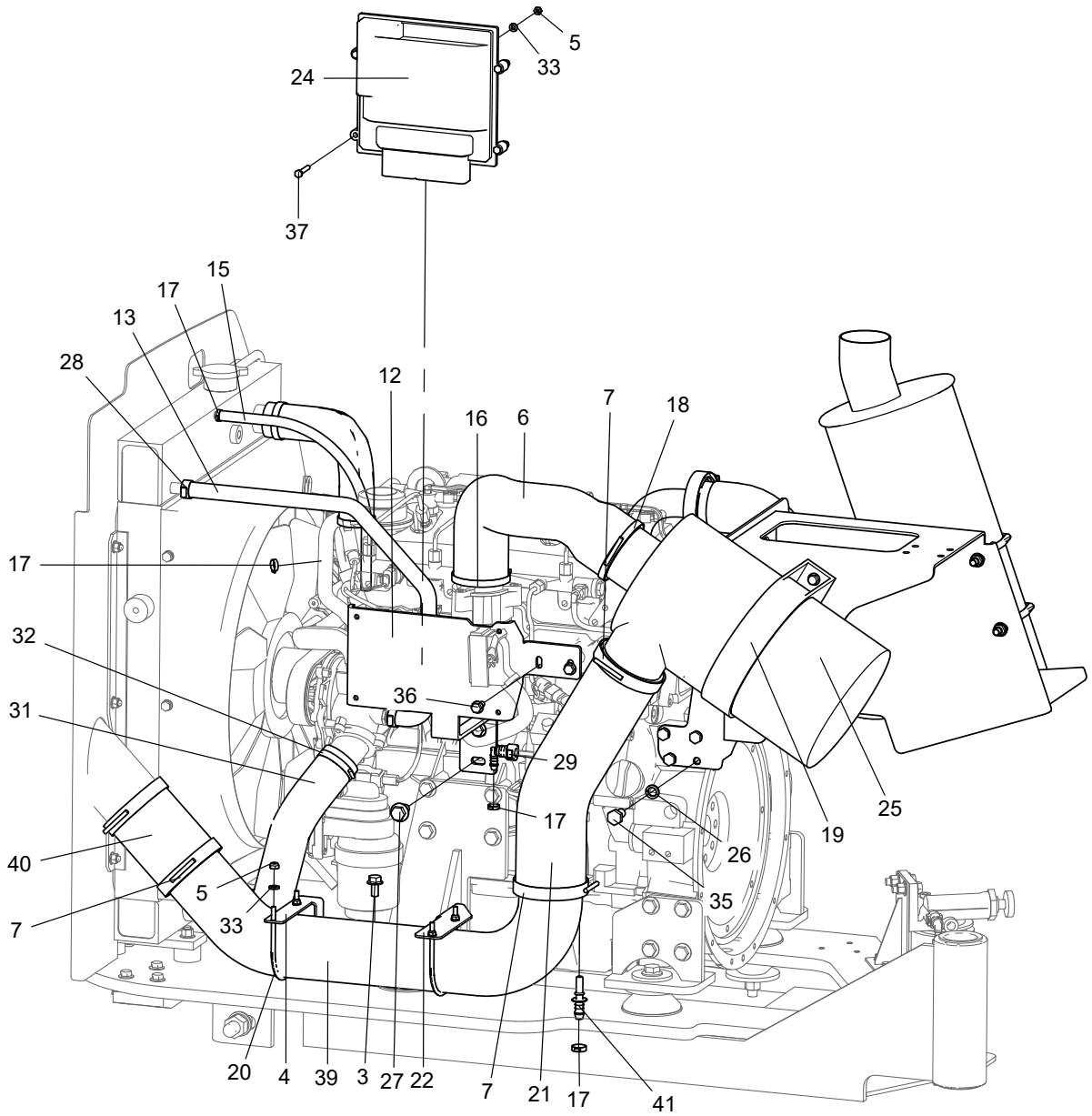
No.	Part No.	Qty.	Description
1	103008023100	1	Shaft XGΦ45-210[Z]
2	105001010199	1	Plate, mounting (detection switch, reverse)
3	105001020165	1	Pin XGΦ50-347
4	105001020167	1	Plate,nylon
5	105001020169	2	Pull rod
6	105001020176	1	Pressbar
7	105001020178	1	Safety pin
8	105001020179	1	Bracket, battery
9	105025020046	1	Turntable Control Box Bracket
10	105030020001	1	Plate
11	105030023001	1	Bracket
12	114002023020	2	Extractor Fork
13	209020000002	1	Pin
14	215010000233	4	Bolt M8×12-8.8-ZnD GB/T 5789
15	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
16	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
17	215010000239	3	Bolt M10×30-8.8-ZnD GB/T 5789
18	215010000241	6	Bolt M12×20-8.8-ZnD GB/T 5789
19	215020000070	1	Screw M10×100-8.8-ZnD GB/T 70.1
20	215020000076	4	Screw M12×35-8.8-ZnD GB/T 70.1
21	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
22	215030000109	2	Nut M10-8-ZnD GB/T 6183.1

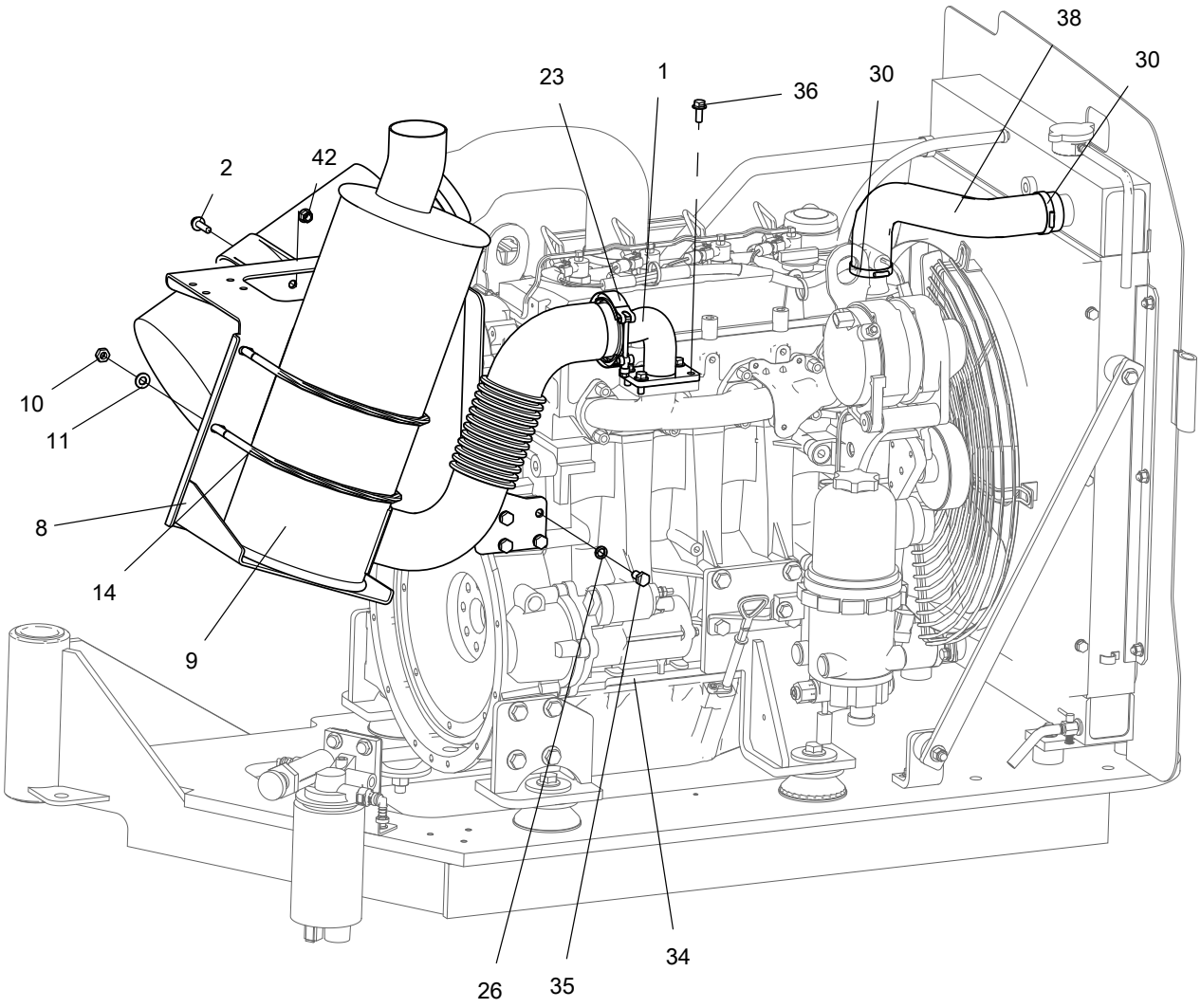
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3 ENGINE ASSEMBLY

3.1 ENGINE ASSEMBLY (CUMMIS QSF2.8T3NA60)

3.1.1 ENGINE INSTALLATION (CUMMIS QSF2.8T3NA60)

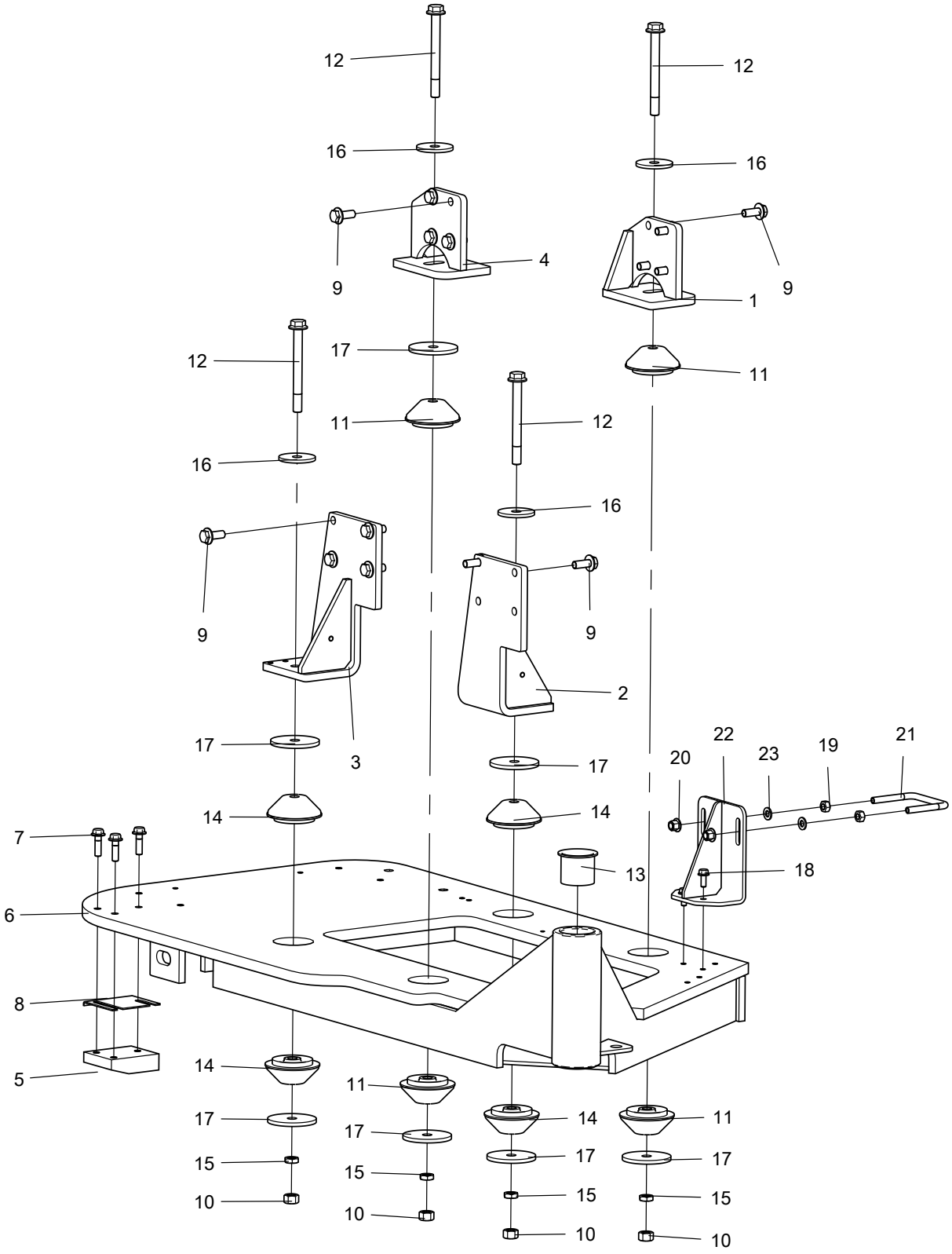



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No.	Part No.	Qty.	Description
1	105001020242	1	Base, Exhaust
2	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
3	215010000286	3	Bolt M8×16-8.8-ZnD GB/T 5789
4	105003020053	1	Folded plate
5	215030000025	8	Nut M6-8-A2-70 GB/T 889.1
6	105003020097	1	Reducing hose
7	216020000028	4	Rubber damper
8	105003020087	1	Bracket,intake and exhaust
9	105003020065	1	Muffler
10	215030000027	4	Nut M10-8-ZnD GB/T 6184
11	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
12	105003020054	1	Bracket, controller
13	213050000585	1	Water hose for vehicle
14	105003020055	2	U-clamp
15	213050000087	1	Water hose for vehicle
16	216020000015	1	T-clamp
17	216020000004	4	Clamp
18	216020000047	1	T-clamp
19	201020000002	1	Air filter bracket
20	105003020060	2	U-clamp
21	105003020084	1	Hose, intake
22	105003020066	1	Plate, Air Inlet Pipe
23	216020000010	1	V-clamp
24	203020000030	1	QSF2.8 controller
25	201020000014	1	Air filter
25a	216070000004	1	Air filter element
25b	216070000008	1	Air filter element
26	215040000006	8	Washer 10-ZnD GB/T 93
27	215010000266	2	Bolt M10×20-10.9-DKL GB/T 5789
28	216020000036	2	Clamp
29	213010000210	1	Coupler
30	216020000002	2	Clamp
31	105001020248	1	Hose, water supply
32	216020000007	2	Clamp
33	215040000033	8	Washer 6-A2 GB/T 97.1
34	201010000008	1	Diesel engine, Cummis QSF2.8t3NA60
35	215010000068	8	Bolt M10×20-8.8-ZnD GB/T 5783
36	215010000264	6	Bolt M8×20-10.9-DKL GB/T 5789
37	215010000054	4	Bolt M6×40-A2-70 GB/T 5783

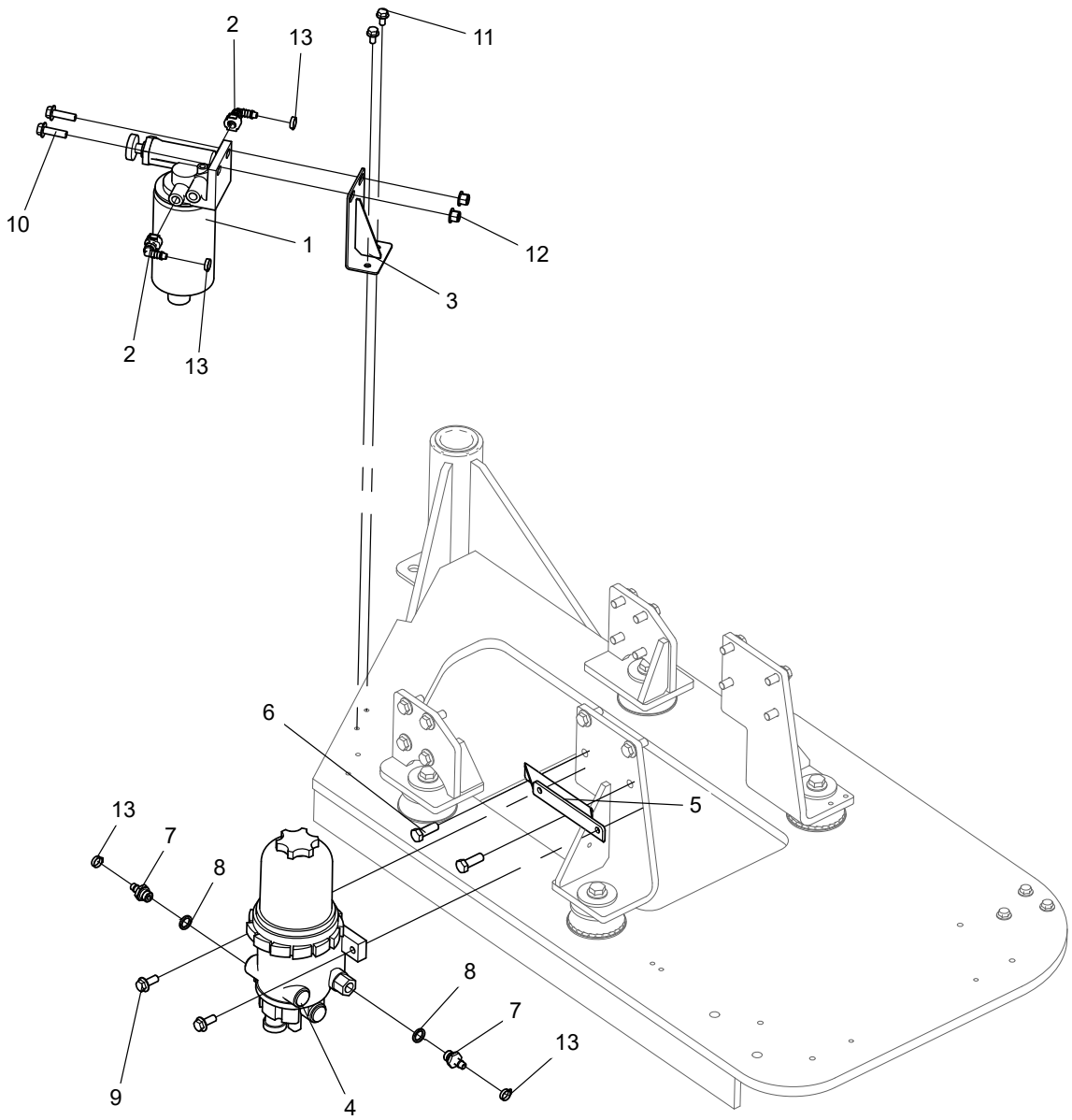
No.	Part No.	Qty.	Description
38	105003020089	1	Hose, water discharge
39	105003020074	1	Steel tube, intake
40	105003020058	1	Hose, intake
41	213010000231	1	Coupler
42	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
43	305110000001	1	CH-4 Grade Engine Oil(Not shown)
44	305140000001	1	Threadlocker, Locktite(Not shown)
45	308130000001	1	Fleetcool(Not shown)
46	201990000025	1	Oil filter element, Cummins QSF2.8(Not shown)

3.1.2 ENGINE SUPPORT INSTALLATION (CUMMIS QSF2.8T3NA60)



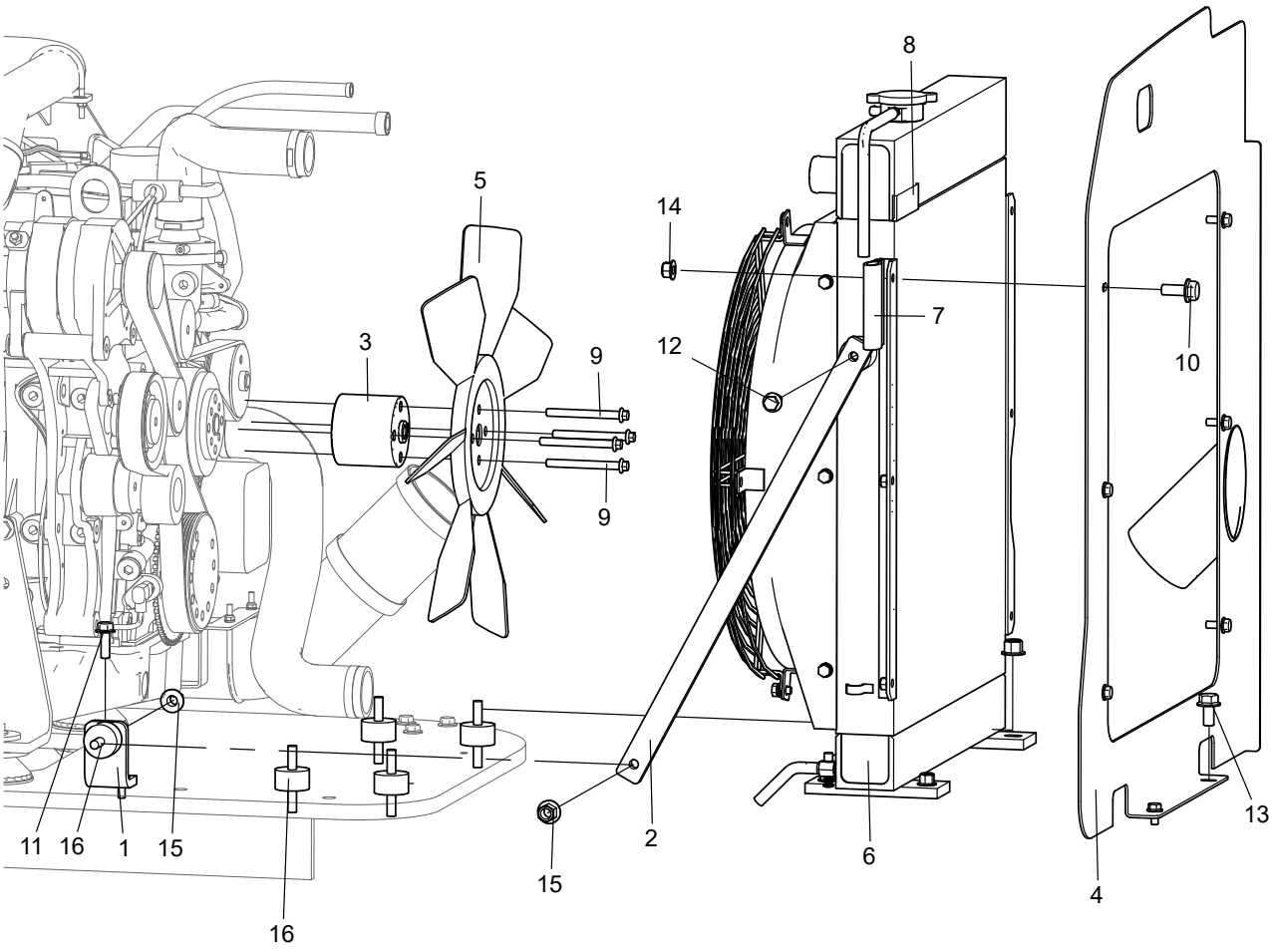
No.	Part No.	Qty.	Description
1	105001020192	1	Mounting base
2	105003020090	1	Mount
3	105003020081	1	Mount
4	105001020194	1	Mount
5	105001020185	1	Slider block
6	105003020070	1	Engine mount
7	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
8	105001020217	1	Shim
9	215010000261	14	Bolt M12×30-10.9 DKL GB/T 5789
10	215030000068	4	Nut M14-8-ZnD GB/T 6170
11	216040000005	4	Shock pad
12	215010000271	4	Bolt M14×140-10.9-DKL GB/T 5789
13	214030000021	2	Bearing 50×55×50 SF-1F
14	216040000004	4	Shock pad
15	215030000096	4	Nut M14-04-ZnD GB/T 6172.1
16	104015020054	4	Shim
17	105003020092	8	Gasket
18	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
19	215030000006	2	Nut M10-8-ZnD GB/T 6170
20	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
21	105021020163	1	U-bolt
22	105052023141	1	Bracket
23	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1

3.1.3 FUEL FILTER FUEL-WATER SEPARATOR INSTALLATION (CUMMIS QSF2.8T3NA60)



No.	Part No.	Qty.	Description
1	201050000010	1	Cummins diesel filter
1a	201990000029	1	Fuel filter element, Cummins QSF2.8
2	213010000211	2	Coupler
3	105003020051	1	Diesel Filter Bracket
4	201050000011	1	Cummins fuel/water separator
4a	201990000028	1	Fuel-water separator filter element
5	105003020064	1	Oil Water Separator Bracket
6	215010000092	2	Bolt M12×35-8.8-ZnD GB/T 5783
7	105003020071	2	Adapter
8	207060000010	2	bonded sealing washer
9	215010000267	2	Bolt M10×25-10.9-DKL GB/T 5789
10	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
11	215010000263	2	Bolt M8×16-10.9-DKL GB/T 5789
12	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
13	216020000004	4	Clamp

3.1.4 RADIATOR INSTALLATION (CUMMIS QSF2.8T3NA60)

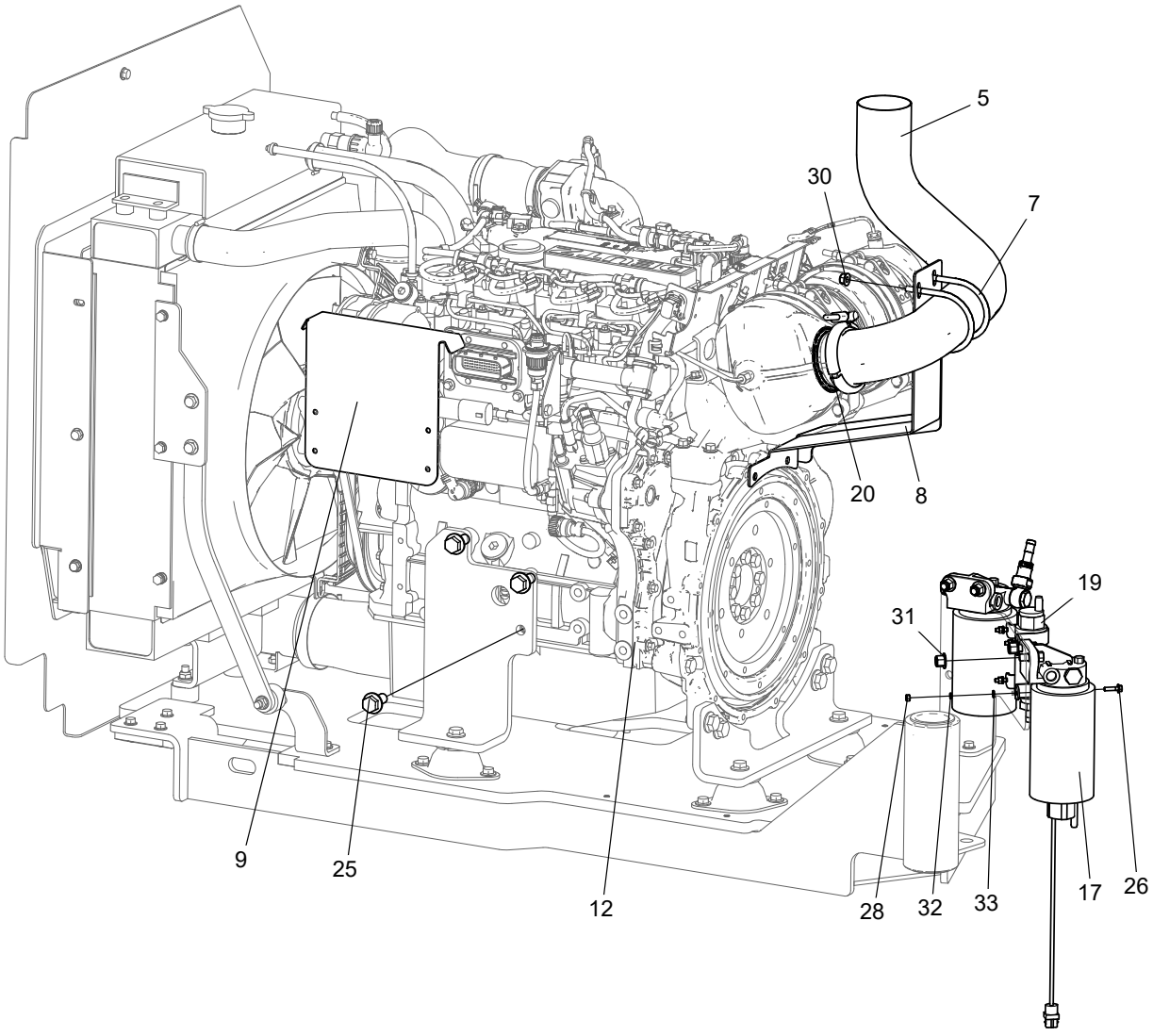


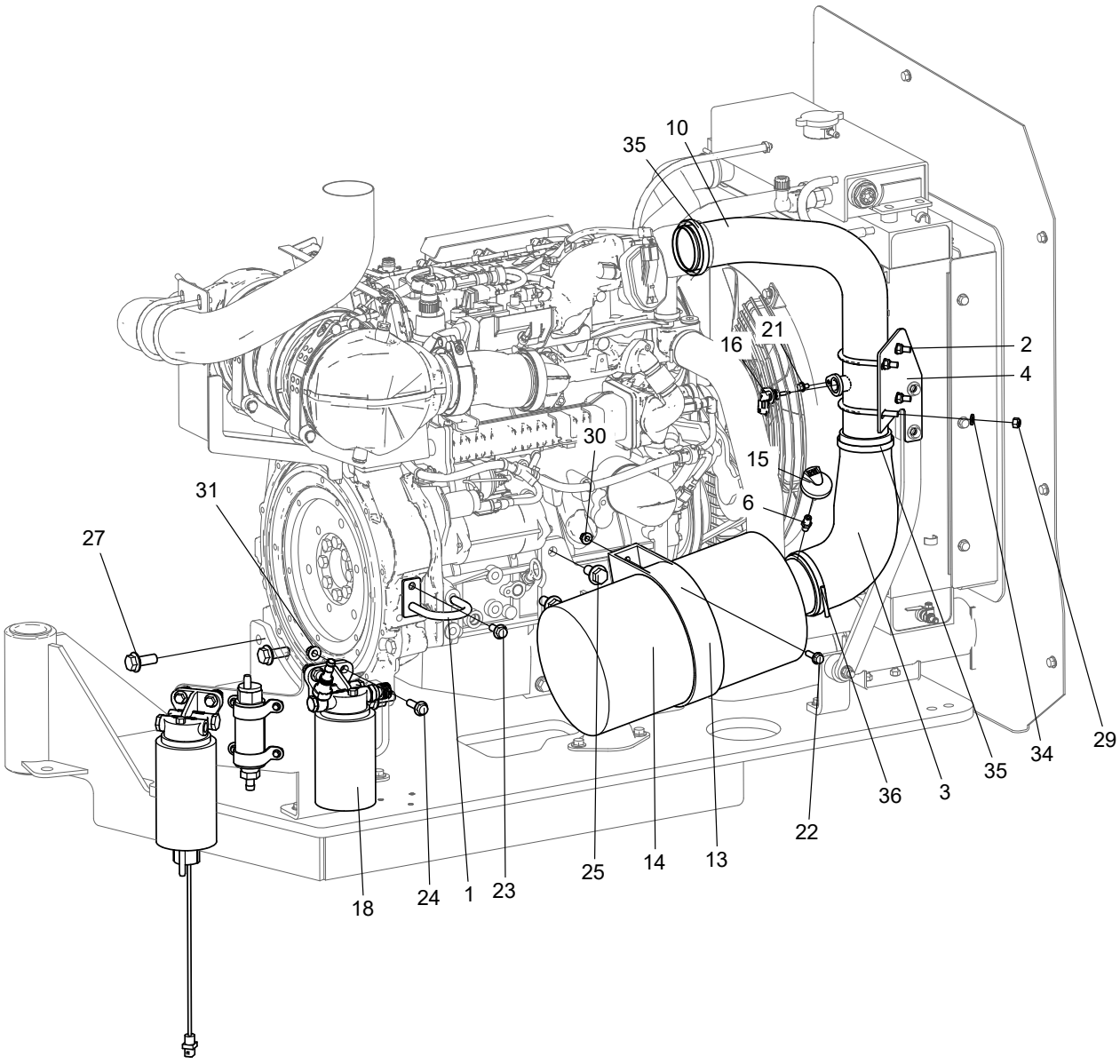
No.	Part No.	Qty.	Description
1	105001020184	1	Plate
2	105003020056	1	Plate
3	105003020091	1	Spacer, fan
4	105029020060	1	Wind Breaker
5	201040000011	1	Fan
6	201040000012	1	Radiator
7	207070000003	1	Rubber sealing strip
8	207070000004	1	Thermal insulated sealing stripe
9	215010000213	4	Bolt M10×90-10.9-DKL GB/T 16674
10	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
11	215010000265	2	Bolt M8×25-10.9-DKL GB/T 5789
12	215010000267	1	Bolt M10×25-10.9-DKL GB/T 5789
13	215010000263	2	Bolt M8×16-10.9-DKL GB/T 5789
14	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
15	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
16	216030000002	5	Water tank shock pad

3.2 ENGINE ASSEMBLY (DEUTZ D2.9L4)

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3.2.1 ENGINE INSTALLATION (DEUTZ D2.9L4)



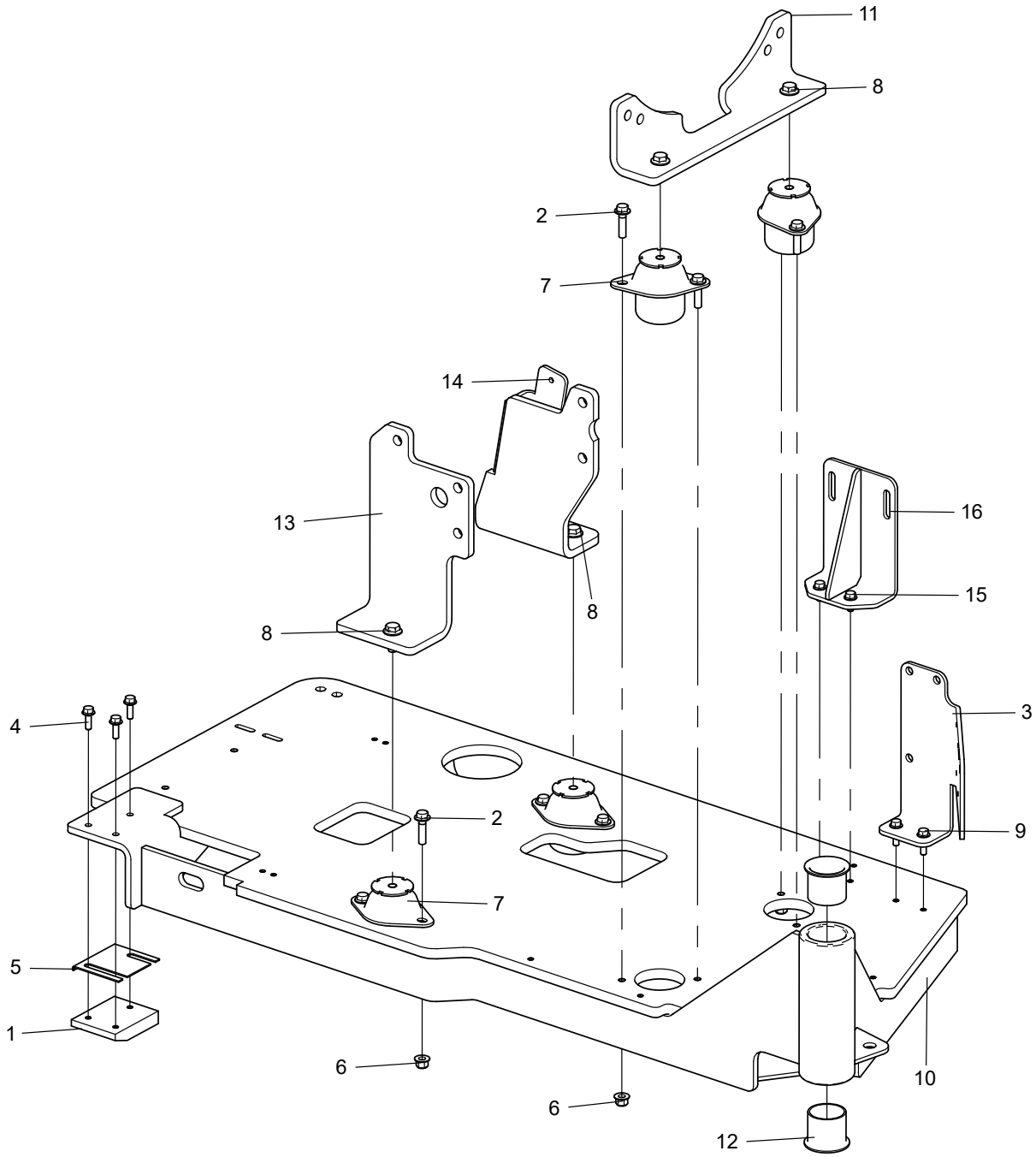


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No.	Part No.	Qty.	Description
1	104008050010	1	Hook, tube
2	105017020211	2	U-clamp
3	105025023317	1	Tube
4	105025023345	1	Plate, bending
5	105025023397	1	Tube, exhaust
6	105025023403	1	Joint
7	105031023060	2	U-bolt
8	105031023064	1	Mounting Bracket, Exhaust Pipe
9	105054023052	1	Cover, rain
10	105055023074	1	Hose, intake
11	105056103006	1	Decal-Instructions for power-off switch(Not shown)
12	201010003005	1	Deutz engine
13	201020000002	1	Air filter bracket
14	201020000014	1	Air filter
14a	216070000012	1	Air filter element
15	201020003004	1	Electronic air filter alarm
16	201020003009	1	Ambient temp sensor
17	201050000006	1	Diesel coarse filter
17a	216070000011	1	Diesel coarse filter element
18	201050000007	1	Diesel fine filter
18a	216070000006	1	Diesel fine filter element
19	201050000015	1	Electric suction pump
20	201990000017	1	Clamp
21	215010000229	1	Bolt M6×10-8.8-ZnD GB/T 5789
22	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
23	215010000238	1	Bolt M10×25-8.8-ZnD GB/T 5789
24	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
25	215010000252	5	Bolt M14×30-8.8-ZnD GB/T 5789
26	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
27	215010000260	4	Bolt M14×35-8.8-ZnD GB/T 5789
28	215030000003	4	Nut M5-A2-70 GB/T 6170
29	215030000026	4	Nut M8-8-ZnD GB/T889.1
30	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
31	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	4	Washer 5-A2-70 GB/T 93
33	215040000032	4	Washer 5-A2 GB/T 97.1
34	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
35	216020000015	2	T-clamp
36	216020000047	1	T-clamp

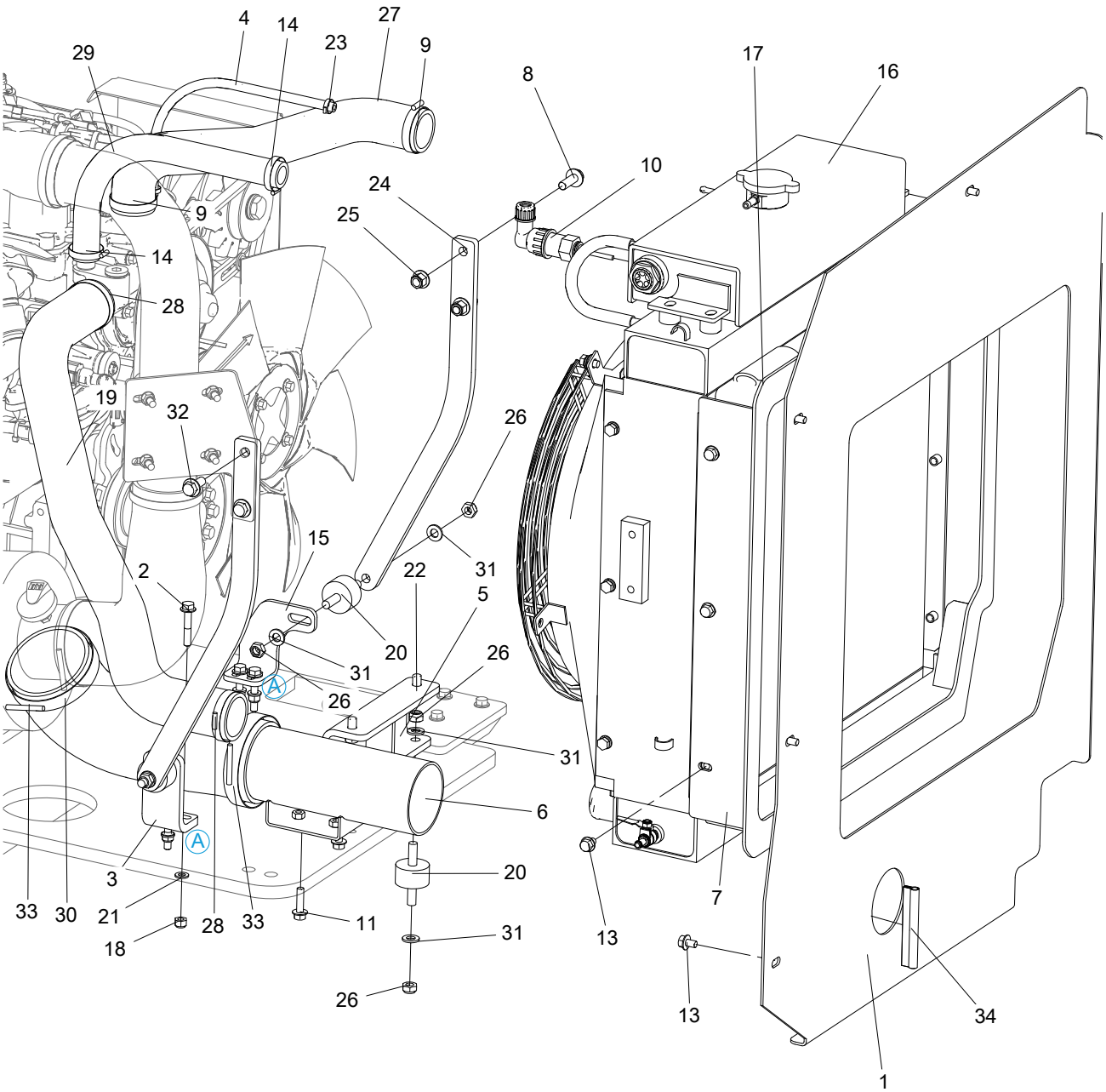
No.	Part No.	Qty.	Description
37	105021020163	1	U-bolt
38	215030000006	2	Nut M10-8-ZnD GB/T 6170
39	213010003119	3	Coupler
40	213010003118	2	Coupler
41	105054023006	3	Quick-connect male joint
42	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
43	216070000010	1	Engine oil filter element(Not shown)
44	216070000009	1	Air filter element(Not shown)

3.2.2 ENGINE SUPPORT INSTALLATION (DEUTZ D2.9L4)



No.	Part No.	Qty.	Description
1	105031023036	1	Slider block
2	215010000240	8	Bolt M10×40-8.8-ZnD GB/T 5789
3	105031023035	1	Mounting Plate
4	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
5	105001020217	1	Shim
6	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
7	216040000019	4	Shock pad
8	215010000243	4	Bolt M12×30-8.8-ZnD GB/T 5789
9	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
10	105032023019	1	Chassis, Engine
11	105025023337	1	Mount, Front
12	214030000021	2	Bearing 50×55×50 SF-1F
13	105025023319	1	Rear Mounting Bracket
14	105025023330	1	Rear Mounting Bracket 1
15	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
16	104019023020	1	Bracket

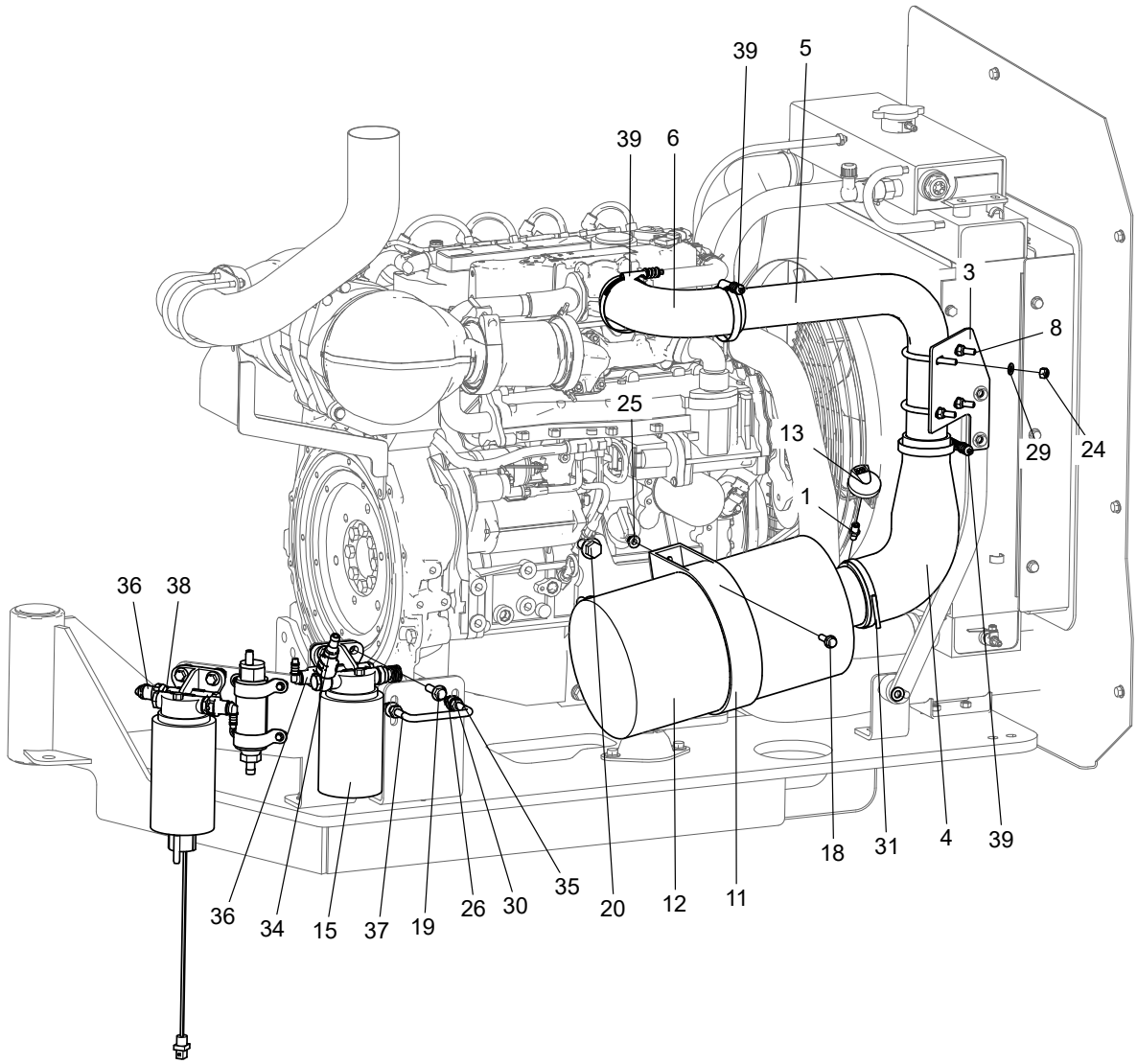
3.2.3 RADIATOR INSTALLATION (DEUTZ D2.9L4)



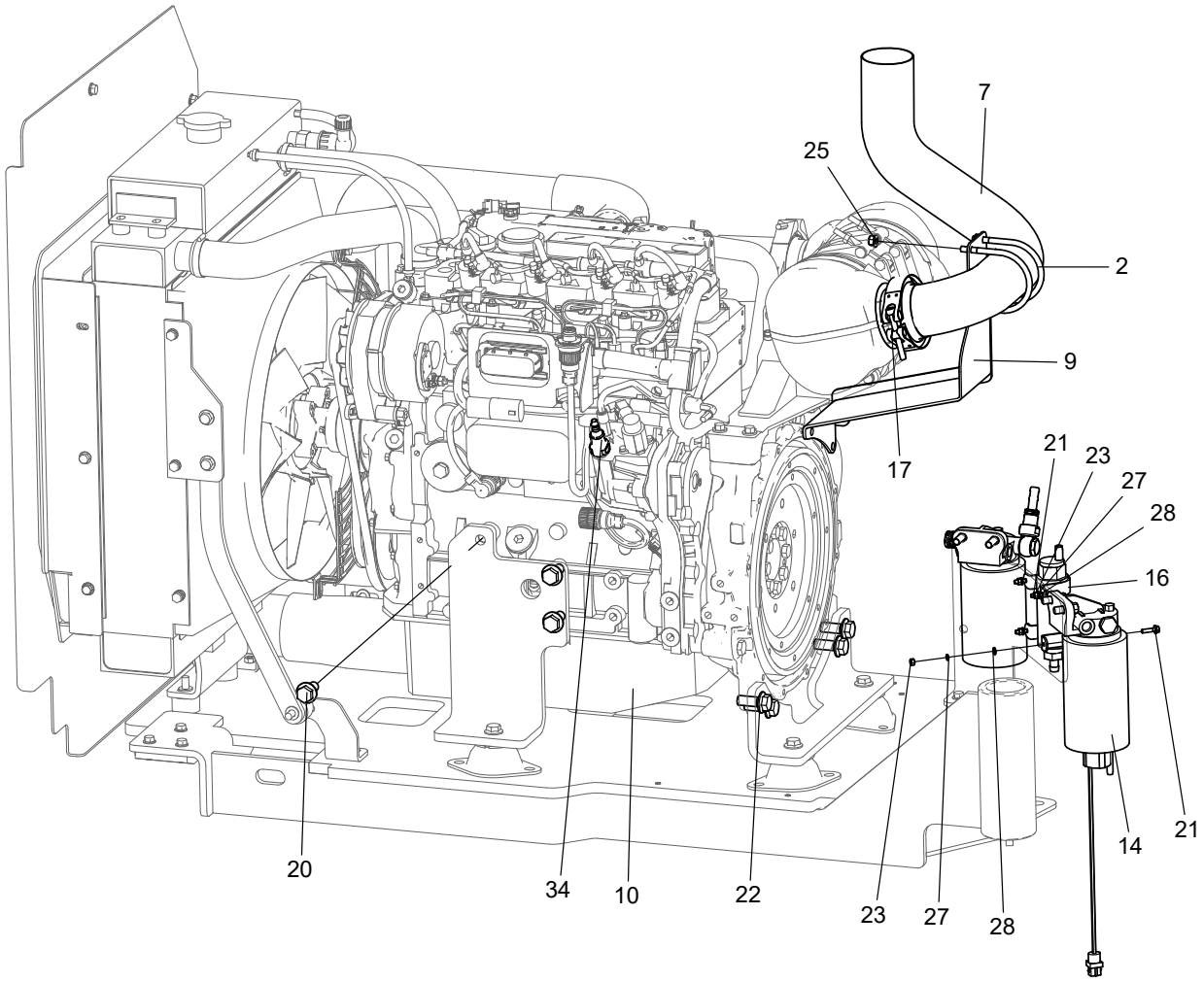
No.	Part No.	Qty.	Description
1	105029023022	1	Seal plate
2	215010000257	4	Bolt M8×45-8.8-ZnD GB/T 5789
3	105025023327	1	Folded plate
4	105025023334	1	Water hose Φ11×2.5×280
5	105025023347	1	Support, water tank
6	105025023348	1	Intake Pipe
7	105031023026	1	Air Hood
8	215010000239	2	Bolt M10×30-8.8-ZnD GB/T 5789
9	216020000002	2	Clamp
10	203150000022	1	Coolant level sensor
11	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
12	308130000001	1	Fleetcool(Not shown)
13	215010000233	10	Bolt M8×12-8.8-ZnD GB/T 5789
14	216020000014	2	Clamp
15	105031023020	1	Plate
16	201040003000	1	Radiator
17	207070000003	1	Rubber sealing strip
18	215030000026	4	Nut M8-8-ZnD GB/T889.1
19	105025023344	1	Tube
20	216030000002	4	Water tank shock pad
21	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
22	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
23	216020000004	2	Clamp
24	105025023338	2	Drawbar
25	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
26	215030000027	8	Nut M10-8-ZnD GB/T 6184
27	105025023288	1	Elbow, water supply
28	216020000007	2	Clamp
29	105025023332	1	Water pipe
30	105025023316	1	Tube
31	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
32	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
33	216020000028	2	Rubber damper
34	207070000001	1	Rubber strip
35	305110000002	1	Engine oil, CJ-4(Not shown)
36	305140000001	1	Threadlocker, Locktite(Not shown)

3.3 ENGINE ASSEMBLY (DEUTZ D2.9L4 T4F)

3.3.1 ENGINE INSTALLATION (DEUTZ D2.9L4 T4F)



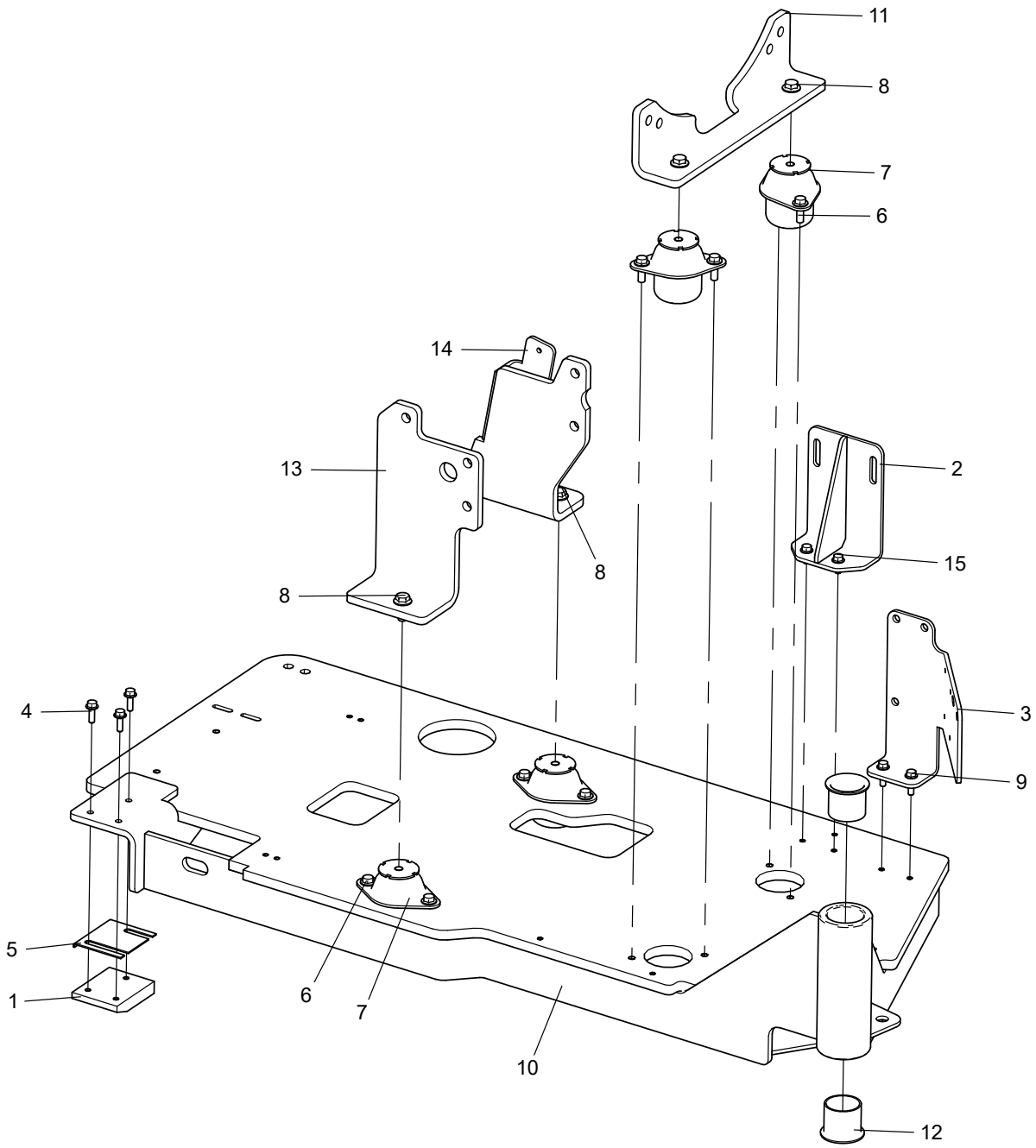
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No.	Part No.	Qty.	Description
1	105025023403	1	Joint
2	105031023060	2	U-bolt
3	105050023000	1	Fold Plate
4	105050023001	1	Hose, intake
5	105050023002	1	Tube, intake
6	105050023003	1	Hose, intake
7	105050023004	1	Tube,steel
8	105050023006	2	U-clamp
9	105050023007	1	Exhaust Pipe Mounting Bracket
10	201010003016	1	Deutz engine
11	201020000002	1	Air filter bracket
12	201020000014	1	Air filter
12a	216070000012	1	Air filter element
13	201020003004	1	Electronic air filter alarm
14	201050000006	1	Diesel coarse filter
14a	216070000011	1	Diesel coarse filter element
15	201050000007	1	Diesel fine filter
15a	216070000006	1	Diesel fine filter element
16	201050000015	1	Electric suction pump
17	201990000017	1	Clamp
18	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
19	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
20	215010000252	5	Bolt M14×30-8.8-ZnD GB/T 5789
21	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
22	215010000260	4	Bolt M14×35-8.8-ZnD GB/T 5789
23	215030000003	4	Nut M5-A2-70 GB/T 6170
24	215030000026	4	Nut M8-8-ZnD GB/T889.1
25	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
26	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
27	215040000003	4	Washer 5-A2-70 GB/T 93
28	215040000032	4	Washer 5-A2 GB/T 97.1
29	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
30	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
31	216020000047	1	T-clamp
32	216070000009	1	Air filter element(Not shown)
33	216070000010	1	Engine oil filter element(Not shown)
34	213010003118	2	Coupler
35	215030000006	2	Nut M10-8-ZnD GB/T 6170
36	213010003119	3	Coupler

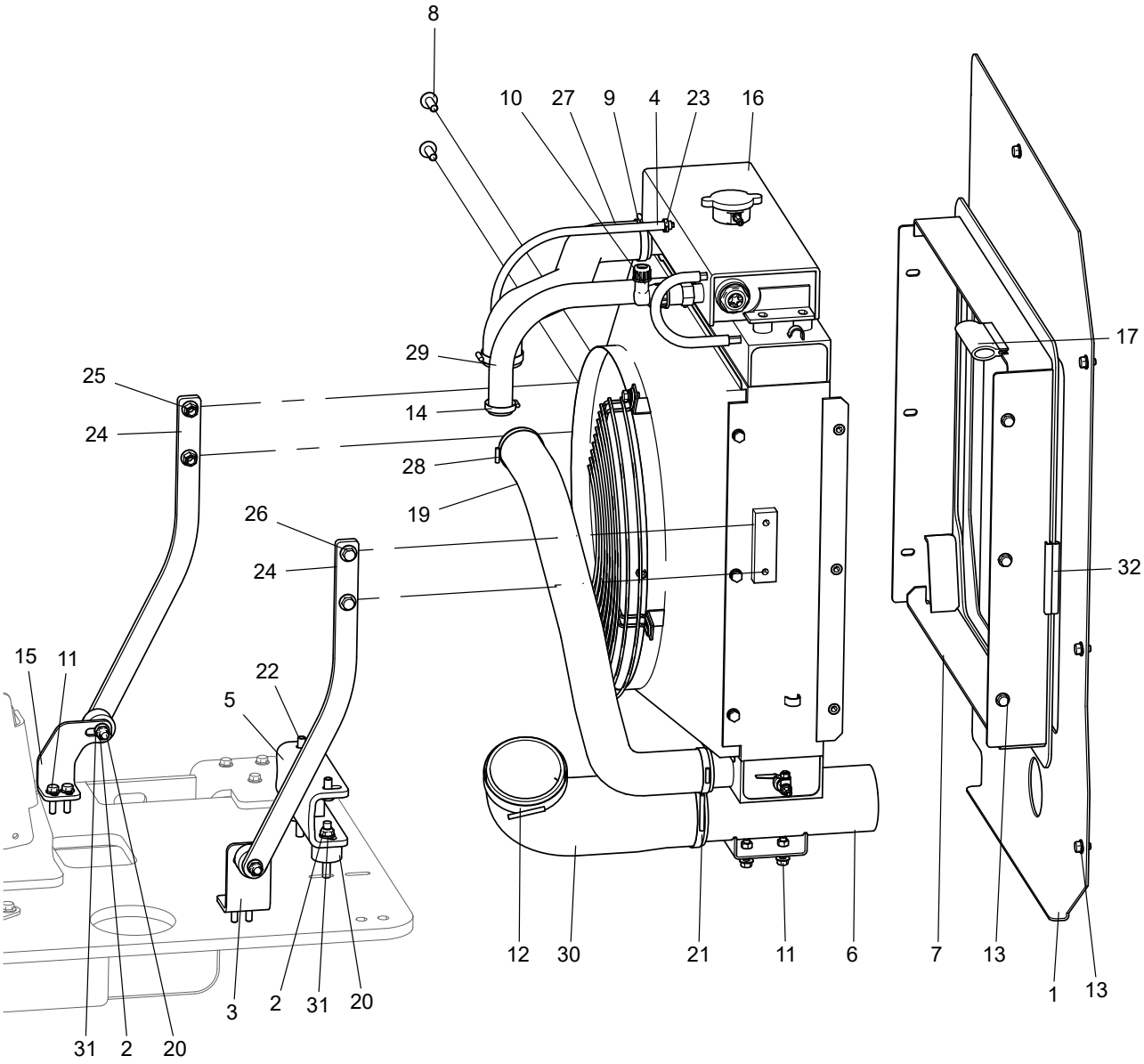
No.	Part No.	Qty.	Description
37	105021020163	1	U-bolt
38	105054023006	3	Quick-connect male joint
39	216020003012	3	Clamp

3.3.2 ENGINE SUPPORT INSTALLATION (DEUTZ D2.9L4 T4F)



No.	Part No.	Qty.	Description
1	105031023036	1	Slider block
2	104019023020	1	Bracket
3	105031023035	1	Mounting Plate
4	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
5	105001020217	1	Shim
6	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
7	216040000019	4	Shock pad
8	215010000243	4	Bolt M12×30-8.8-ZnD GB/T 5789
9	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
10	105032023019	1	Chassis, Engine
11	105025023337	1	Mount, Front
12	214030000021	2	Bearing 50×55×50 SF-1F
13	105025023319	1	Rear Mounting Bracket
14	105025023330	1	Rear Mounting Bracket 1
15	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789

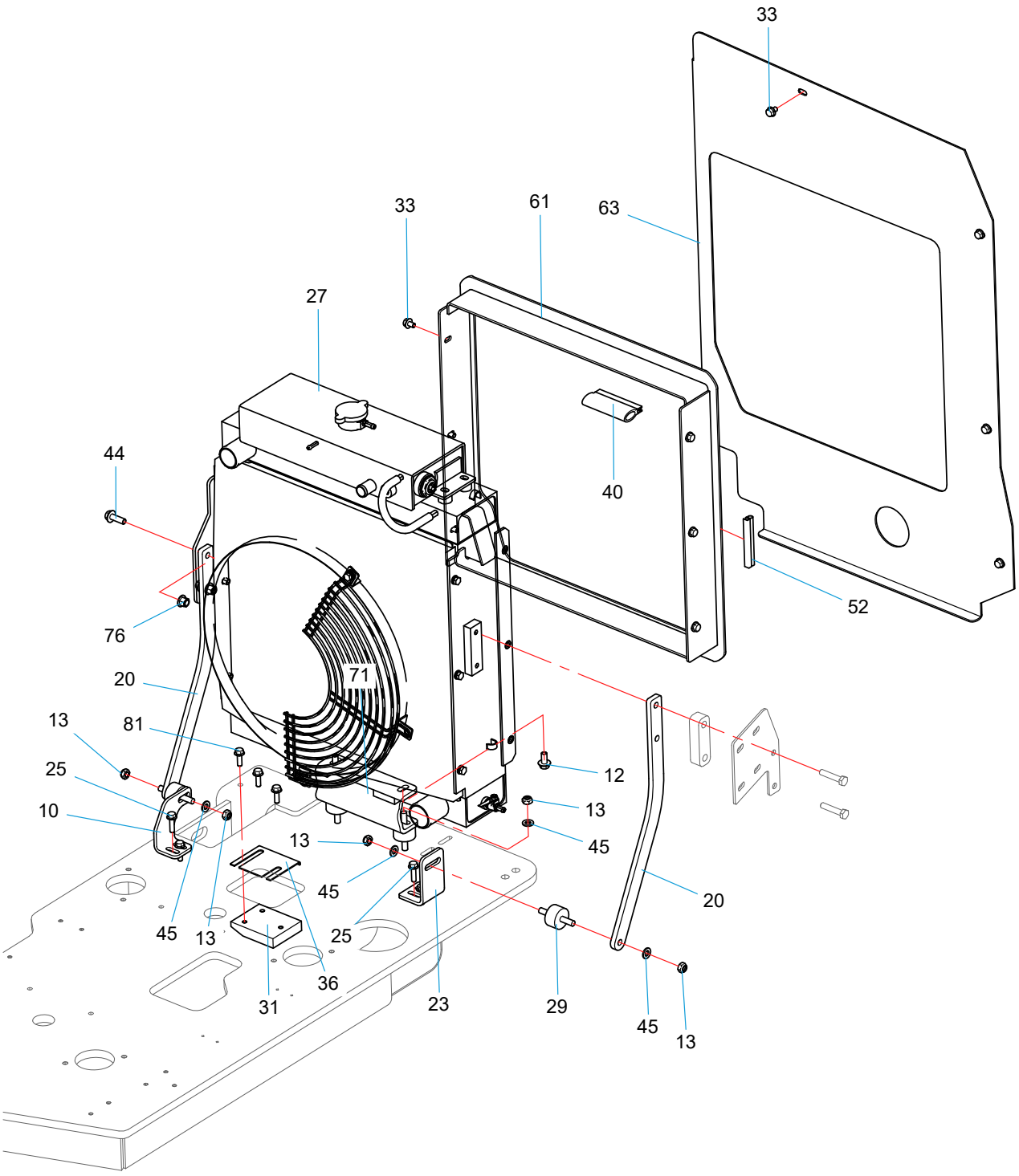
3.3.3 RADIATOR INSTALLATION (DEUTZ D2.9L4 T4F)

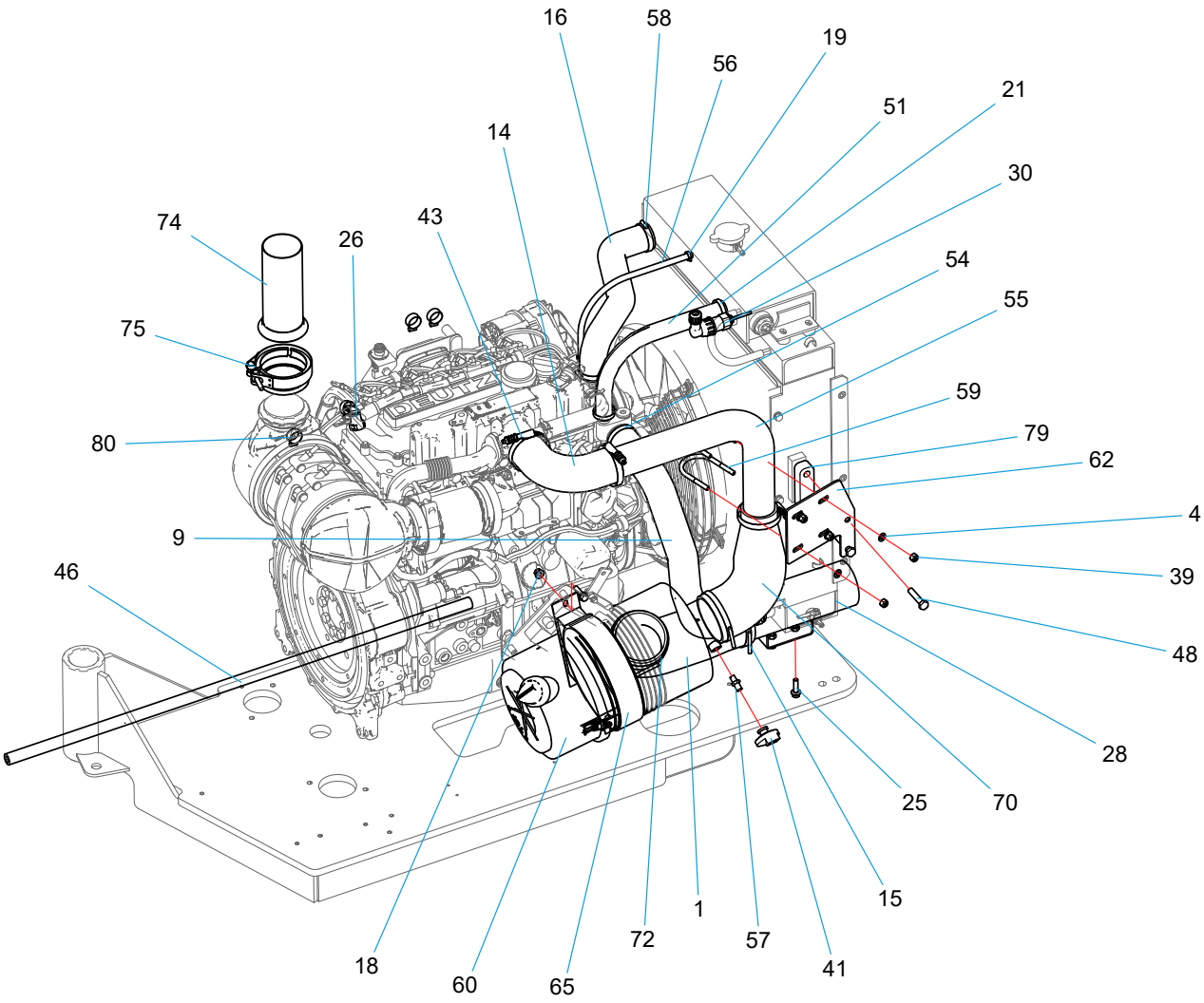


No.	Part No.	Qty.	Description
1	105029023022	1	Seal plate
2	215030000027	6	Nut M10-8-ZnD GB/T 6184
3	105025023327	1	Folded plate
4	105025023334	1	Water hose Φ11×2.5×280
5	105025023347	1	Support, water tank
6	105025023348	1	Intake Pipe
7	105031023026	1	Air Hood
8	215010000239	2	Bolt M10×30-8.8-ZnD GB/T 5789
9	216020000002	2	Clamp
10	203150000022	1	Coolant level sensor
11	215010000236	6	Bolt M8×30-8.8-ZnD GB/T 5789
12	216020000028	1	Rubber damper
13	215010000233	10	Bolt M8×12-8.8-ZnD GB/T 5789
14	216020000014	2	Clamp
15	105031023020	1	Plate
16	201040003000	1	Radiator
17	207070000003	1	Rubber sealing strip
18	305140000001	1	Threadlocker, Locktite(Not shown)
19	105025023344	1	Tube
20	216030000002	4	Water tank shock pad
21	216020000047	1	T-clamp
22	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
23	216020000004	2	Clamp
24	105025023338	2	Drawbar
25	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
26	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
27	105025023288	1	Elbow, water supply
28	216020000007	2	Clamp
29	105025023332	1	Water pipe
30	105025023316	1	Tube
31	215040000035	6	Washer 10-200HV-ZnD GB/T 97.1
32	207070000002	1	Sealing rubber strip

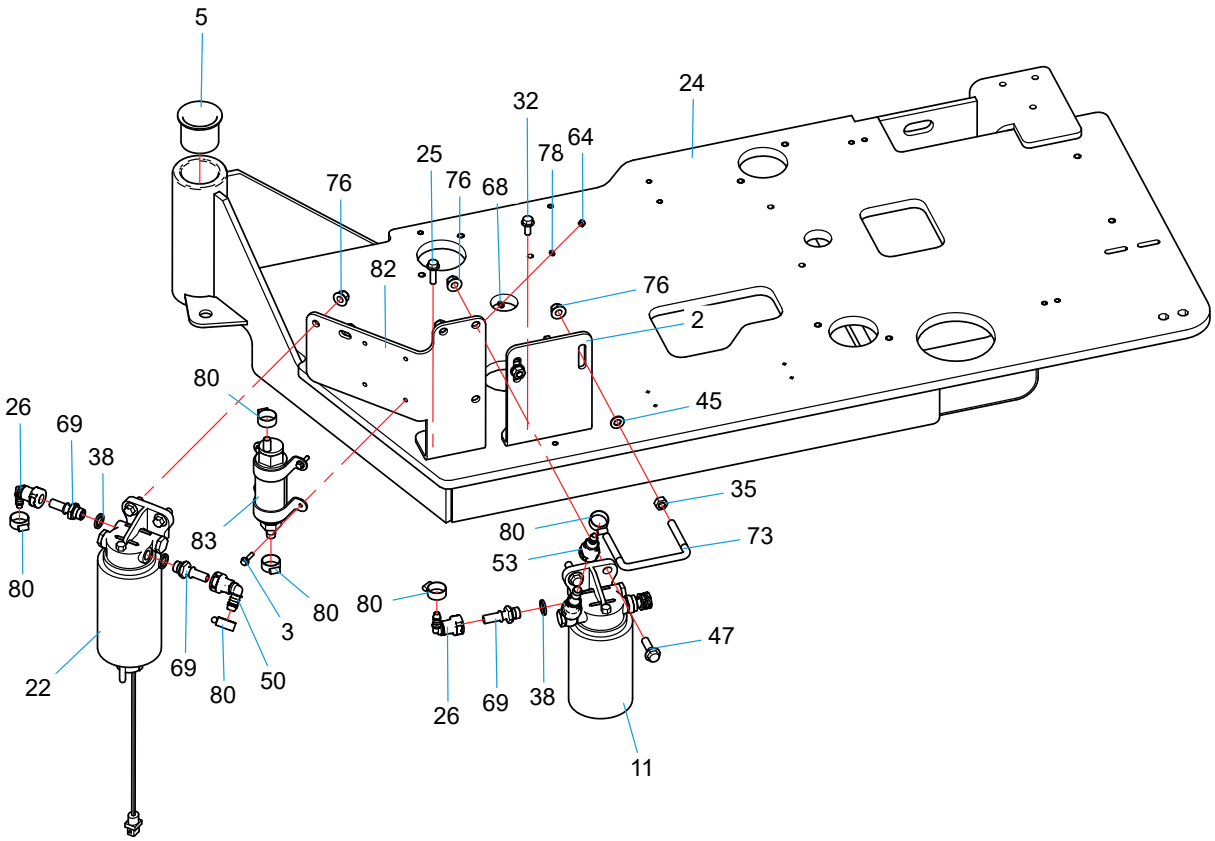
3.4 ENGINE INSTALLATION (DEUTZ D2.9T4F NEW)

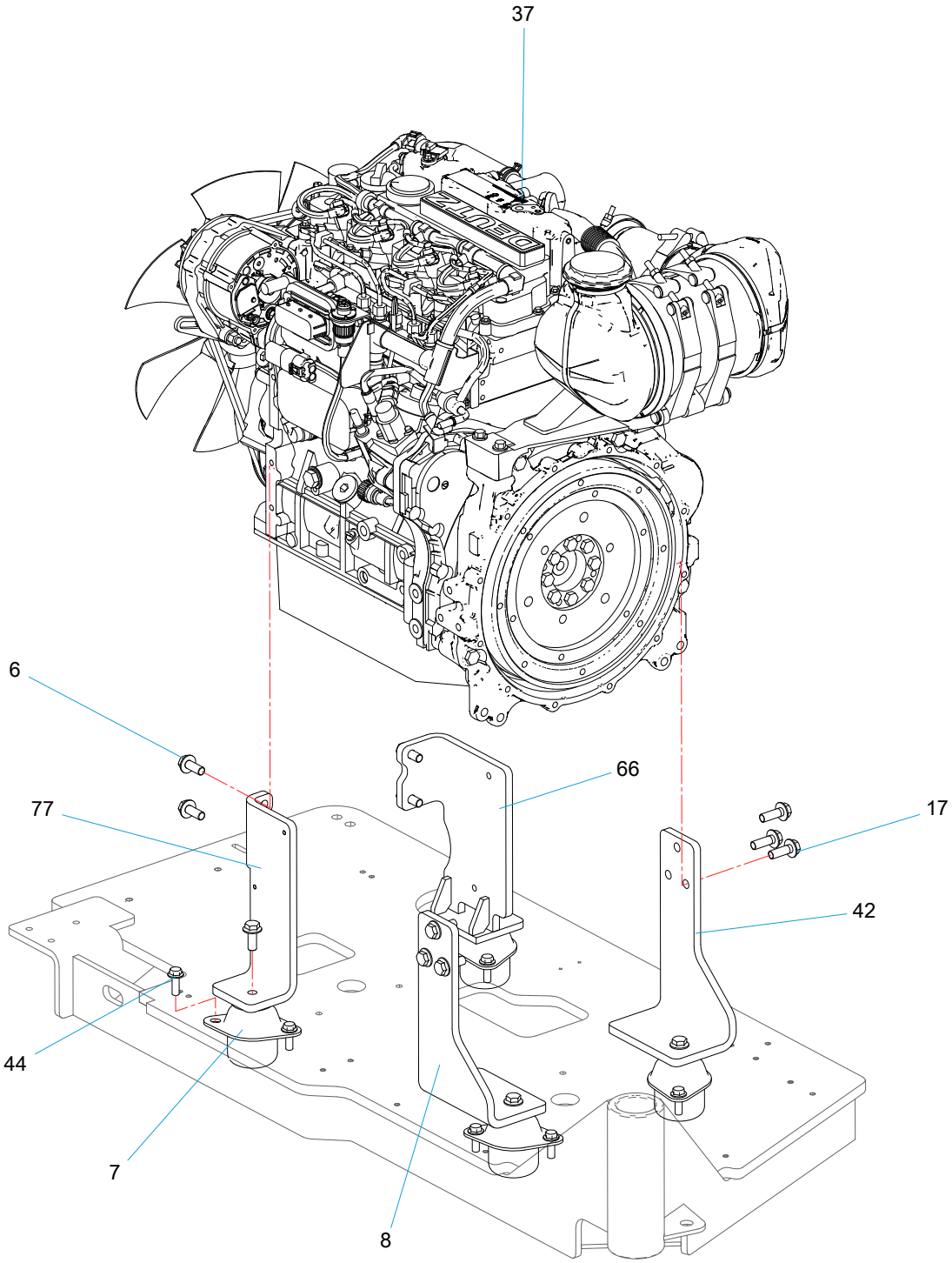
3.4.1 ENGINE INSTALLATION (DEUTZ D2.9L4 T4F NEW)




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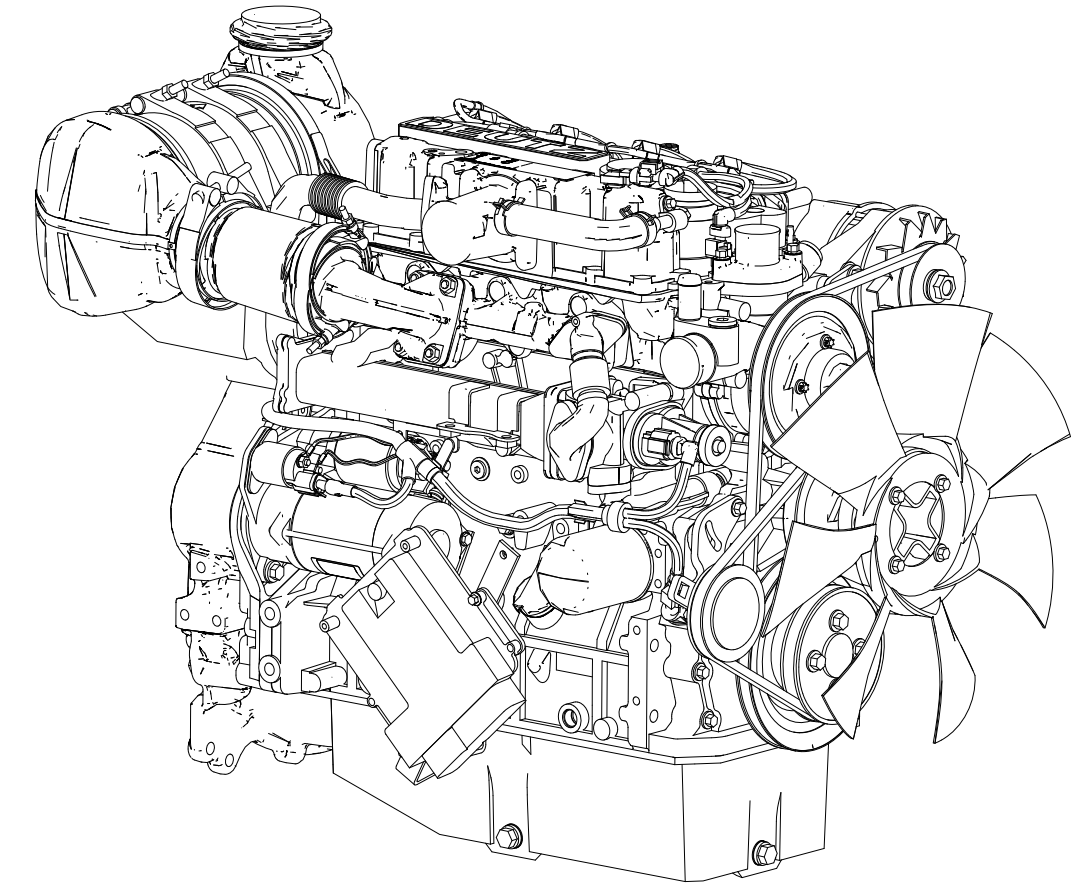

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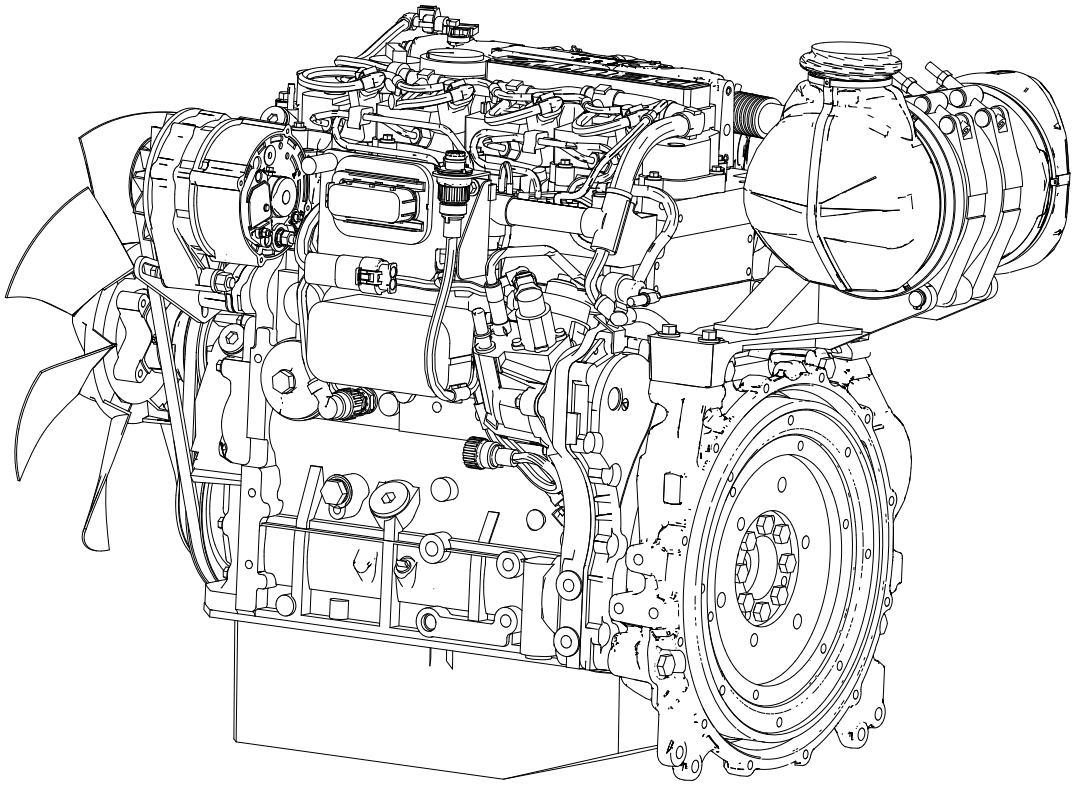
No.	Part No.	Qty.	Description
1	105025023316	1	Tube
2	105050023164	1	Bracket
3	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
4	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
5	214030000021	2	Bearing 50×55×50 SF-1F
6	215010000261	8	Bolt M12×30-10.9 DKL GB/T 5789
7	216040000019	4	Shock pad
8	105050023176	1	Support, Left Rear
9	105025023344	1	Tube
10	105031023020	1	Plate
11	201050000007	1	Diesel fine filter
12	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
13	215030000027	6	Nut M10-8-ZnD GB/T 6184
14	105050023162	1	Hose, intake
15	216020000047	2	T-clamp
16	105025023288	1	Elbow, water supply
17	215010000270	6	Bolt M12×35-10.9-DKL GB/T 5789
18	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
19	216020000004	2	Clamp
20	105025023338	2	Drawbar
21	216020000014	2	Clamp
22	201050000006	1	Diesel coarse filter
23	105025023327	1	Folded plate
24	105032023119	1	Mounting Frame, Engine
25	215010000236	10	Bolt M8×30-8.8-ZnD GB/T 5789
26	213010003119	3	Coupler
27	201040003000	1	Radiator
28	105050023160	1	Pipe, air inlet
29	216030000002	4	Water tank shock pad
30	203150000022	1	Coolant level sensor
31	105031023036	1	Slider block
32	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
33	215010000233	10	Bolt M8×12-8.8-ZnD GB/T 5789
34	201051063115	1	Fuel pipe,Φ10(not shown)
35	215030000006	2	Nut M10-8-ZnD GB/T 6170
36	105001020217	1	Shim
37	201010003083	1	Deutz engine
38	207060000010	3	bonded sealing washer
39	215030000026	4	Nut M8-8-ZnD GB/T889.1

No.	Part No.	Qty.	Description
40	207070000003	1	Rubber sealing strip
41	201020003004	1	Electronic air filter alarm
42	105050023177	1	Support, Right Rear
43	216020003012	3	Clamp
44	215010000239	10	Bolt M10×30-8.8-ZnD GB/T 5789
45	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
46	201051063119	1	Pipe，fuel (Φ12.7)
47	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
48	215010000079	2	Bolt M10×50-8.8-ZnD GB/T 5783
49	105056103006	1	Decal-Instructions for power-off switch
50	213010003046	1	Coupler
51	105025023332	1	Water pipe
52	207070000002	1	Sealing rubber strip
53	213010003118	1	Coupler
54	216020000007	2	Clamp
55	105050023170	1	Steel tube, intake
56	105025023334	1	Water hose Φ11×2.5×280
57	105025023403	1	Joint
58	216020000002	2	Clamp
59	105050023006	2	U-clamp
60	201020003053	1	Air filter
60a	201020003058	1	Air filter element
60b	201020003059	1	Air filter element
61	105031023026	1	Air Hood
62	105050023161	1	Folded plate
63	105050023092	1	Sealing Plate
64	215030000003	4	Nut M5-A2-70 GB/T 6170
65	201020003065	1	Air filter support
66	105050180007	1	Support,right front
67	305140000001	1	Threadlocker, Locktite(not shown)
68	215040000032	4	Washer 5-A2 GB/T 97.1
69	105054023006	3	Quick-connect male joint
70	105050023171	1	Hose, intake
71	105025023347	1	Support, water tank
72	216020000028	1	Rubber damper
73	105021020163	1	U-bolt
74	105050023184	1	Steel tube
75	201990000017	1	Clamp

No.	Part No.	Qty.	Description
76	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
77	105050023196	1	Support, Left Rear
78	215040000003	4	Washer 5-A2-70 GB/T 93
79	105050023166	1	Plate
80	216020000036	10	Clamp
81	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
82	105031023035	1	Mounting Plate
83	201050000015	1	Electric suction pump

3.4.2 DEUTZ D2.9L4 T4F ENGINE (PN.201010003083)

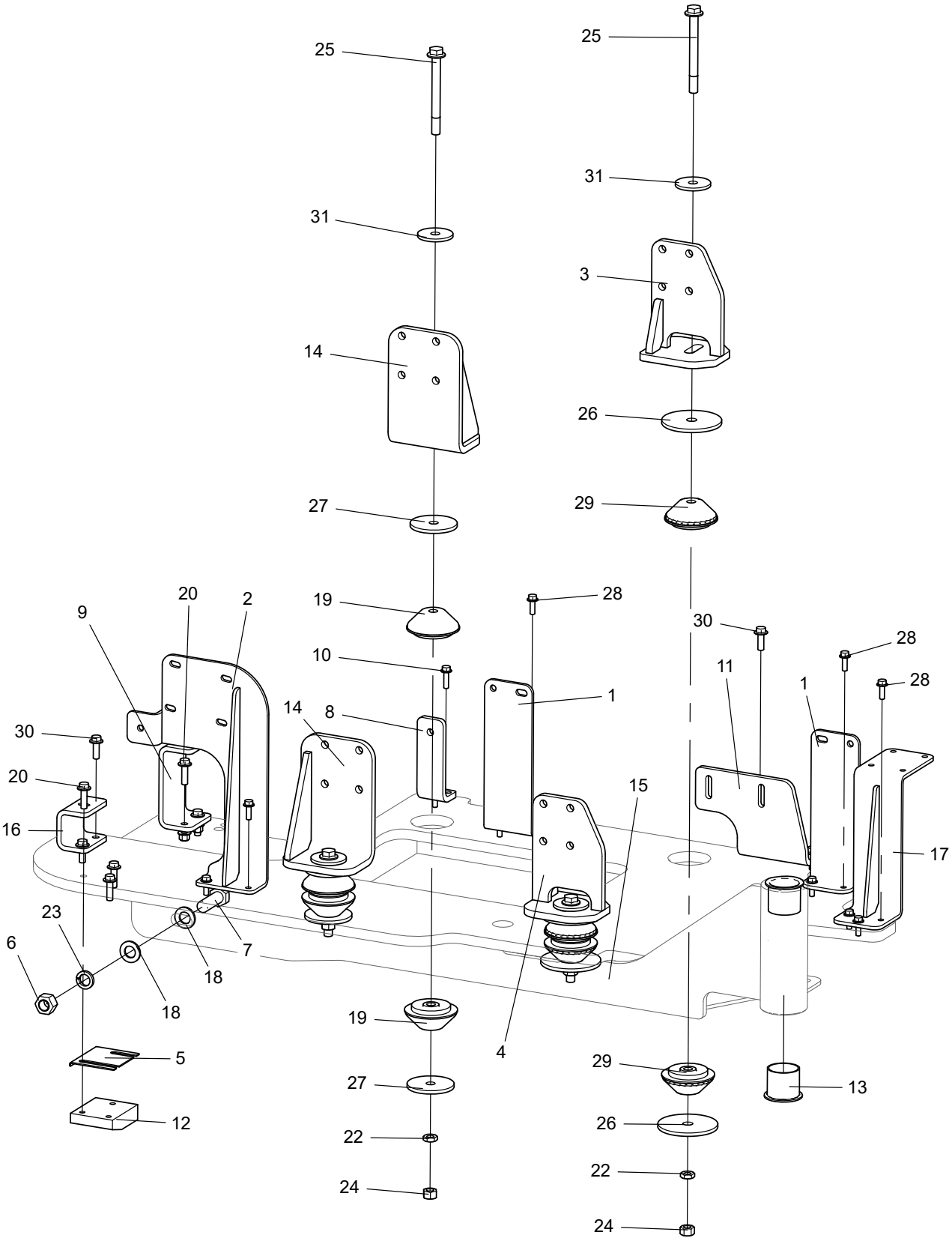




No.	Part No.	Qty.	Description
1	201990003121	1	Oil pan bolt
2	201990000039	1	Engine oil filter element
3	201990003111	1	Water temperature sensor
4	201990003120	1	Diesel coarse filter element
5	201990003109	1	Belt roller
6	201990003107	1	Belt
7	201990003108	1	Belt
8	201990003110	1	Fan
9	201990003112	1	Revolution speed sensor
10	201990003113	1	Oil pressure sensor
11	201990003114	1	Thermostat
12	216070000025	1	Starting Motor
13	201990003119	1	Diesel fine filter element
14	201990003105	1	Generator
15	201990003115	1	Water Pump assy
16	203020003158	1	ECU
17	201990003116	1	Oil pump
18	201990003118	1	Turbocharger
19	201990003117	1	Camshaft position sensor

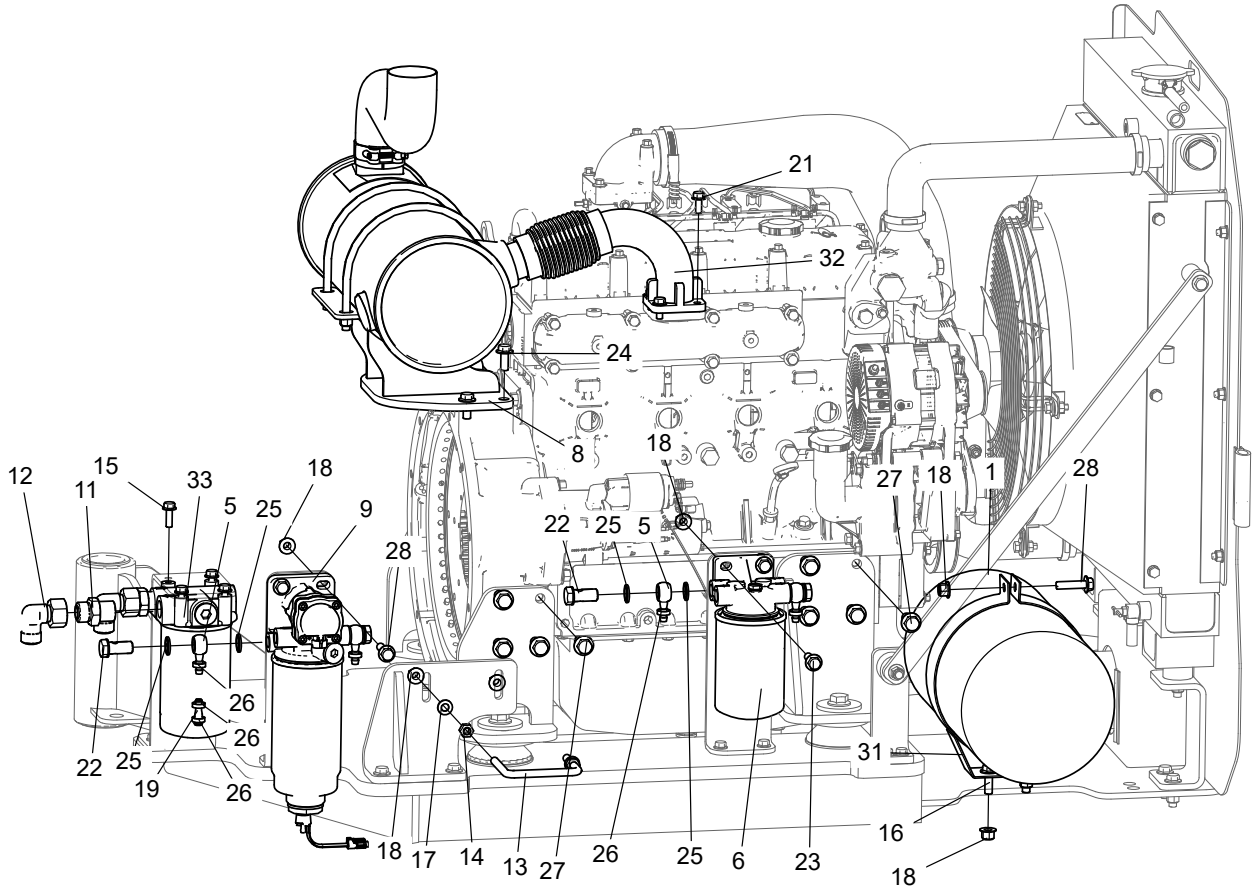
3.5 ENGINE ASSEMBLY (YUCHAI YCF3050)

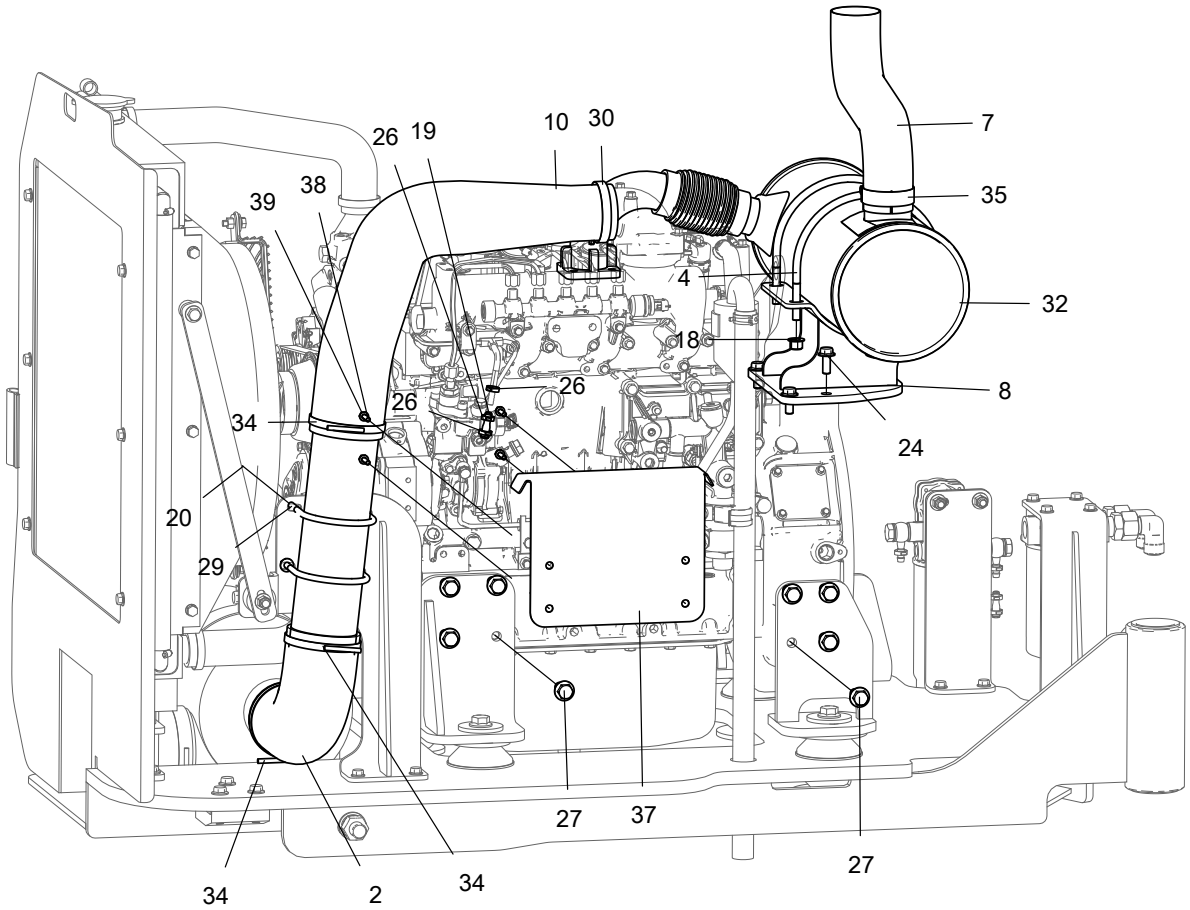
3.5.1 ENGINE SUPPORT INSTALLATION (YUCHAI YCF3050)



No.	Part No.	Qty.	Description
1	105062023030	2	Folded plate
2	105062023026	1	Welding Fittings, Bracket
3	105062023027	1	Bracket，Right Rear (Engine)
4	105062023025	1	Bracket，Left Rear (Engine)
5	105001020217	1	Shim
6	215030000012	1	Nut M20-8-ZnD GB/T 6170
7	215010000128	1	Bolt M20×60-8.8-ZnD GB/T 5783
8	105055023056	1	Plate
9	105056023102	1	Slot Plate
10	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
11	105062023022	1	Locking Frame
12	105001020185	1	Slider block
13	214030000021	2	Bearing 50×55×50 SF-1F
14	105056023116	2	Bracket, Front (Engine)
15	105062023015	1	Chassis, Engine
16	105056023099	1	Slot Plate
17	105067023001	1	Bracket
18	215040000041	2	Washer 20-200HV-ZnD GB/T 97.1
19	216040003012	4	Shock pad
20	215010000248	5	Bolt M10x35-8.8 ZnD GB/T 5789
21	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
22	215030000096	4	Nut M14-04-ZnD GB/T 6172.1
23	215040000009	1	Washer 20 GB/T 93
24	215030000068	4	Nut M14-8-ZnD GB/T 6170
25	215010000271	4	Bolt M14×140-10.9-DKL GB/T 5789
26	105062023039	4	Large washer
27	105003020092	4	Gasket
28	215010000235	9	Bolt M8×25-8.8-ZnD GB/T 5789
29	216040000004	4	Shock pad
30	215010000239	4	Bolt M10×30-8.8-ZnD GB/T 5789
31	104015020054	4	Shim

3.5.2 ENGINE INSTALLATION (YUCHAI YCF3050)



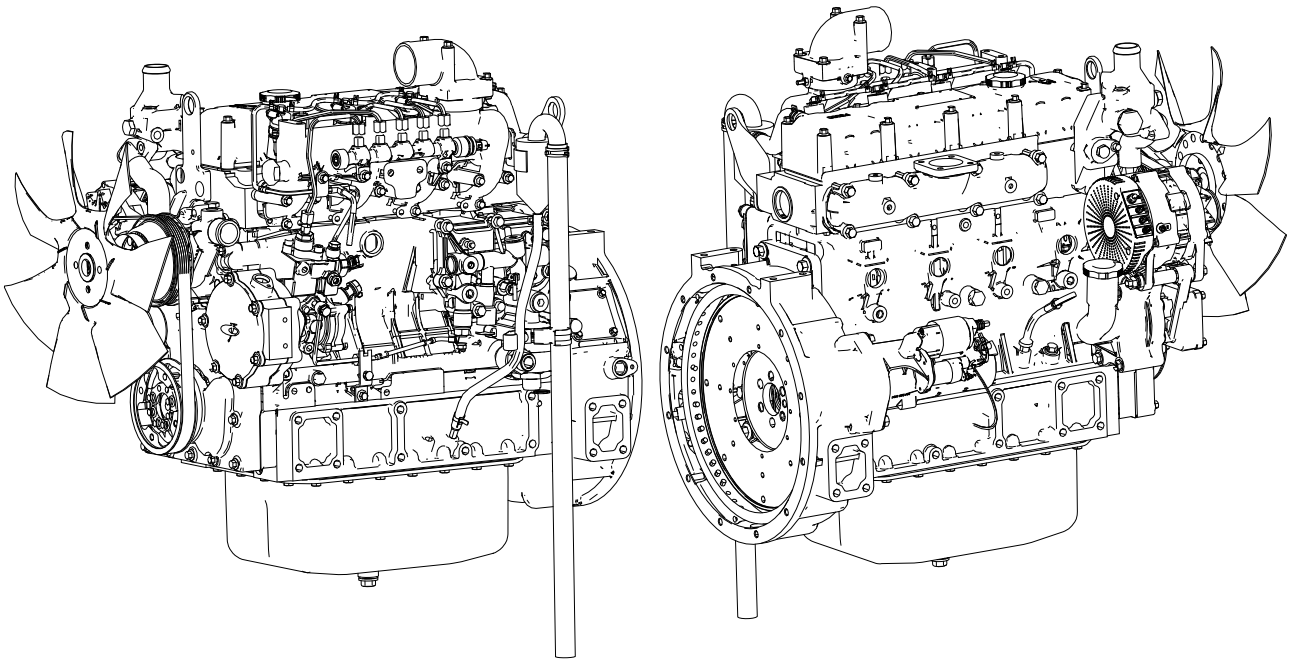


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No.	Part No.	Qty.	Description
1	201020003053	1	Air filter
1a	201020003058	1	Air filter element
1b	201020003059	1	Air filter element
2	105056023094	1	Supply hose
3	105062023017	1	Pipe, air inlet
4	104020023111	2	U-clasp
5	201050003025	4	Fitting
6	201050003023	1	Diesel filter
7	105062023021	1	Exhaust pipe
8	105062023020	1	Mount, Muffler
9	201050003024	1	Prefilter component
10	105062023031	1	Pipe, air inlet
11	201050003026	2	Fitting
12	201050003027	2	Oil outlet pipe connector
13	105029023084	1	U bolt
14	215030000006	2	Nut M10-8-ZnD GB/T 6170
15	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
16	215010000239	2	Bolt M10×30-8.8-ZnD GB/T 5789
17	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
18	215030000109	13	Nut M10-8-ZnD GB/T 6183.1
19	104020023104	2	Reducing coupler
20	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
21	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
22	201050003029	4	Hinged bolt
23	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
24	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
25	201050003028	8	Composite seal washer
26	216020000004	9	Clamp
27	215010000243	16	Bolt M12×30-8.8-ZnD GB/T 5789
28	215010000240	3	Bolt M10×40-8.8-ZnD GB/T 5789
29	105064023185	2	U-clamp
30	216020003012	1	Clamp
31	105056023096	1	Air filter clamp
32	201030003009	1	Silencer
33	216990003048	1	Oil filter
34	216020000047	3	T-clamp
35	216020003015	1	Clamp
36	201010003054	1	YUCHAI Engine YCF3050

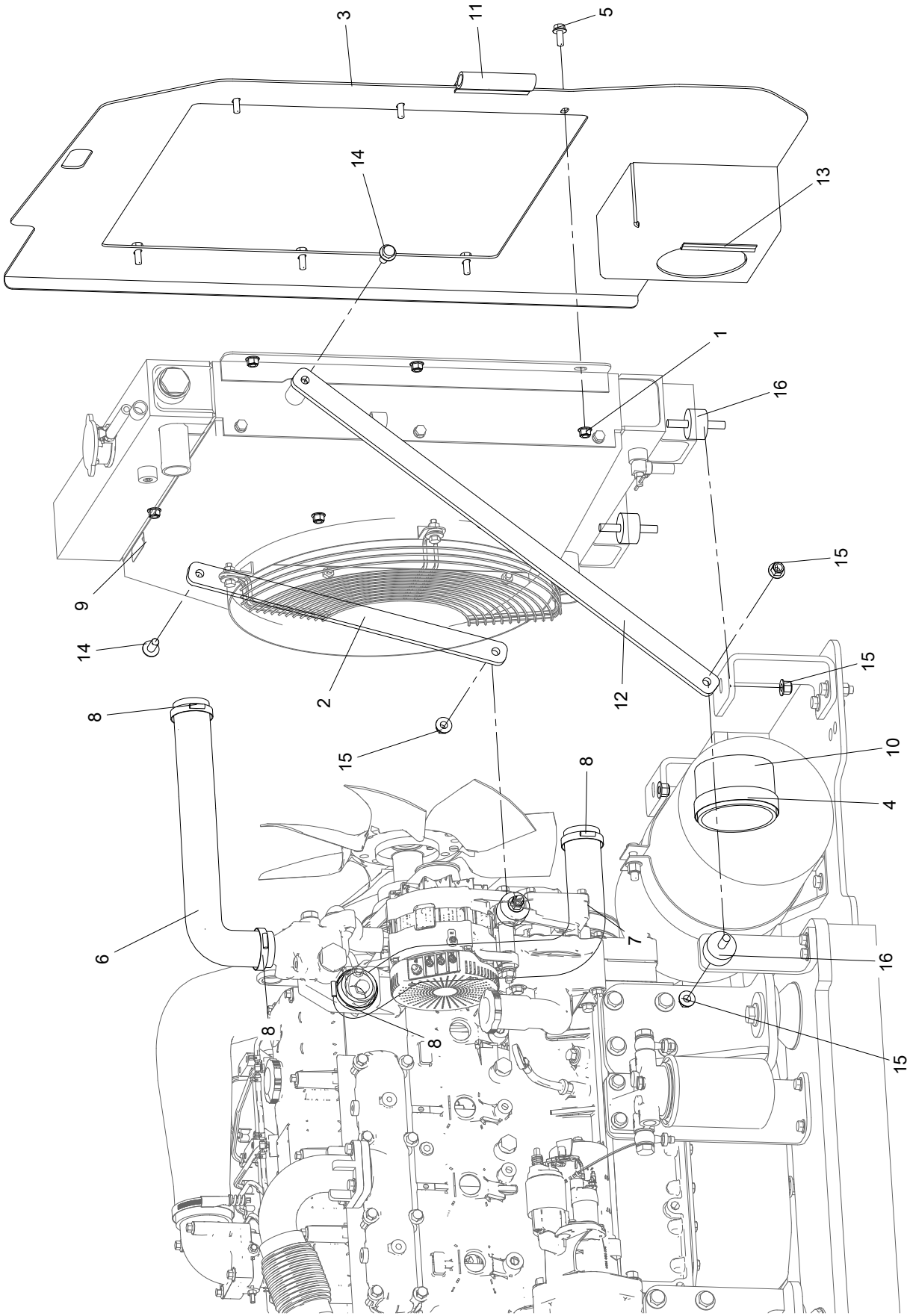
No.	Part No.	Qty.	Description
37	105065023034	1	Cover, rain
38	215010000052	4	Bolt M6×25-A2-70 GB/T 5783
39	215040000033	4	Washer 6-A2 GB/T 97.1
40	213050000085	1	Fuel pipe(Not shown)
41	213050000095	1	Fuel pipe(Not shown)
42	305140000001	1	Threadlocker, Locktite(Not shown)

3.5.3 YUCHAI ENGINE YCF3050 (PN.201010003054)



No.	Part No.	Qty.	Description
1	203180003007	1	Generator
2	216990003056	1	Engine oil filter element
3	216990003074	1	Oil pressure temperature sensor
4	216990003068	1	water temperature sensor
5	202020003074	1	starter
6	216990003055	1	Fuel-water separator element (Yuchai China 4 YCF3075)
7	216990003066	1	Wedge belt
8	216990003067	2	crankshaft sensor
9	216990003054	1	Filter element, diesel

3.5.4 RADIATOR INSTALLATION (YUCHAI YCF3050)

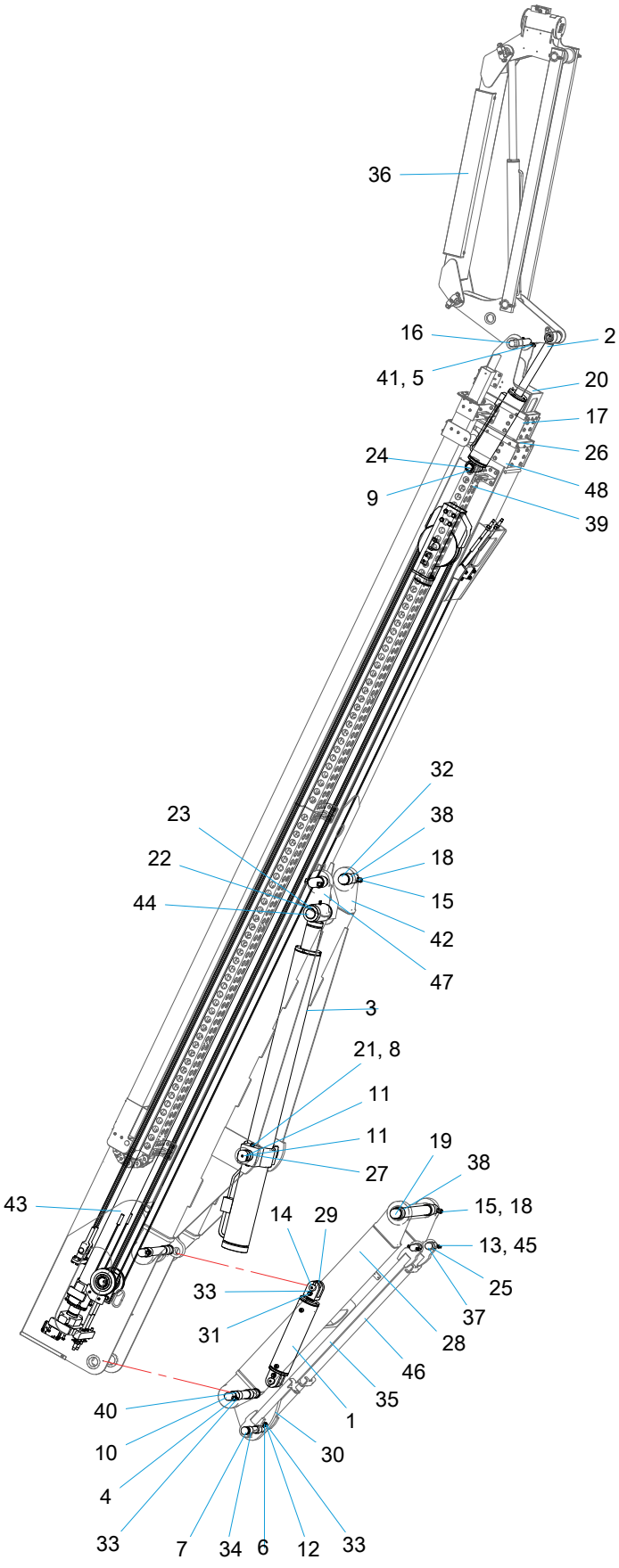


No.	Part No.	Qty.	Description
1	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
2	105056023107	1	Tie Rod, Water Tank
3	104019023024	1	Guide Vane Weldment
4	216020000028	1	Rubber damper
5	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
6	105056023108	1	Hose, Radiator water supply
7	105055023092	1	Pipe, radiator water outlet
8	216020000002	4	Clamp
9	201040003015	1	Radiator
10	105056023118	1	Pipe, air inlet
11	207070000003	1	Rubber sealing strip
12	105056023105	1	Tie Rod, Water Tank
13	207070000001	1	Rubber strip
14	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
15	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
16	216030000002	4	Water tank shock pad

4 BOOM ASSEMBLY

4.1 BOOM ASSEMBLY (PLASTIC CABLE TRACK)

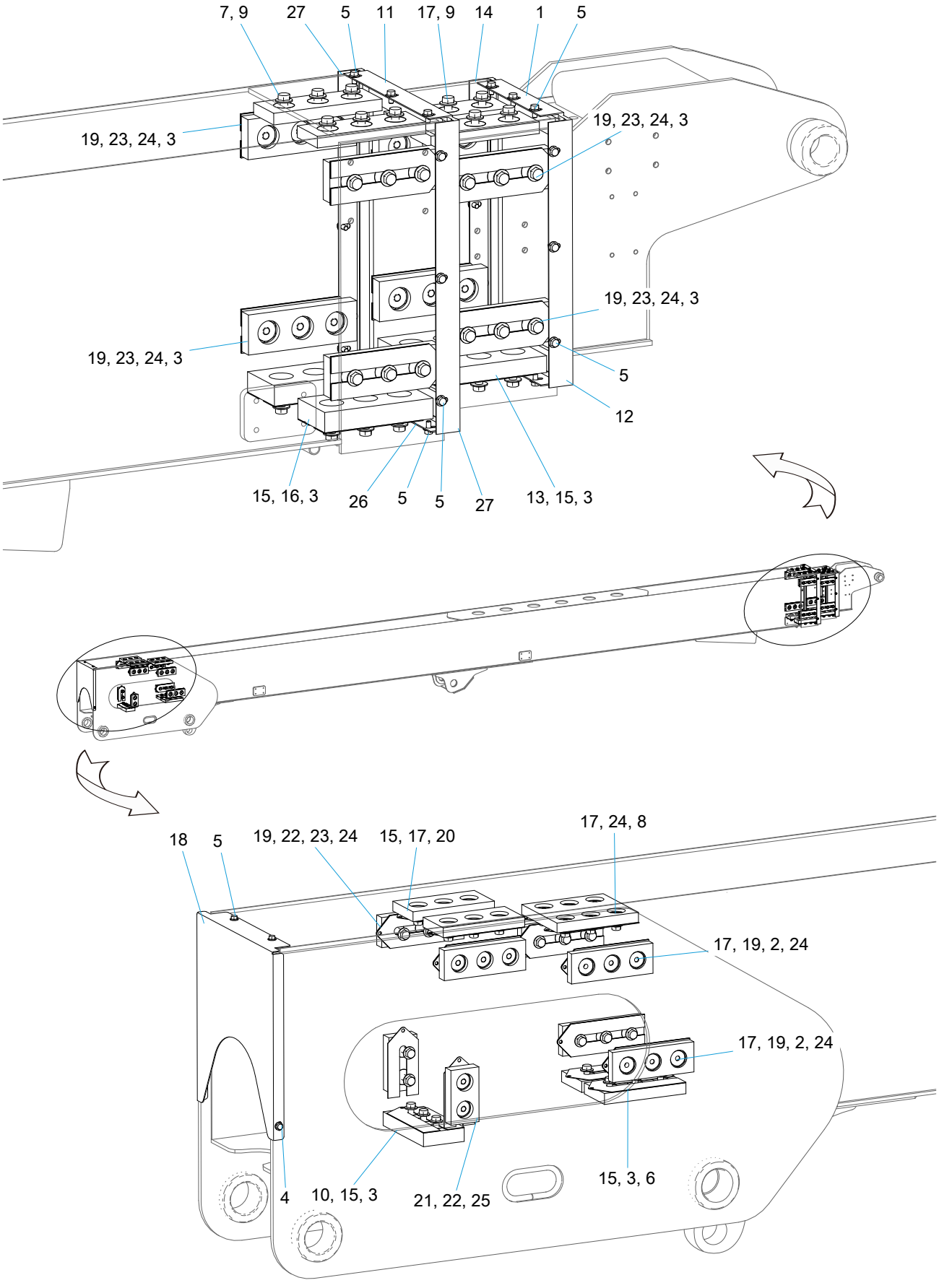
4.1.1 BOOM ASSEMBLY



No.	Part No.	Qty.	Description
1	105025013412	1	Level cylinder, lower(B)
1a	207990003895	1	Seal kit, cylinder(SC：1000898)
2	105025013315	1	Slave Cylinder(C)
2a-1	207990004177	1	Seal kit, cylinder(SC：1000898)
2a-2	207990004178	1	Seal kit, cylinder(SC：1000026)
2a-3	207990004179	1	Seal kit, cylinder(SC：1000215)
2a-4	207990004196	1	Seal kit, cylinder(SC：1000145)
3	105025013177	1	Cylinder,lift (B)
3a-1	207990003565	1	Seal kit, cylinder(SC：1000033)
3a-2	207990003354	1	Seal kit, cylinder(SC：1000212)
3a-3	207990003576	1	Seal kit, cylinder(SC：1000148)
3a-4	207990003902	1	Seal kit, cylinder(SC：1001031)
4	215010000240	2	Bolt M10×40-8.8-ZnD GB/T 5789
5	215010000016	1	Bolt M12×90-8.8-ZnD GB/T 5782
6	215010000248	1	Bolt M10x35-8.8 ZnD GB/T 5789
7	105003010083	1	ShaftXGΦ40-295
8	215010000170	2	Bolt M14×140-8.8 GB/T 5782
9	215040000097	2	Ring, retaining 40-DKL JB/ZQ 4342
10	105025013095	2	Shaft XJΦ50-485
11	214030000060	4	Self-lubricating bearing
12	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
13	215030000027	2	Nut M10-8-ZnD GB/T 6184
14	105001010235	2	Shaft XGΦ40-120[Z]
15	215010000206	3	Bolt M20×100-10.9-DKL GB/T 5782
16	103006010020	1	ShaftXGΦ40-295
17	105026013116	1	First telescopic boom[G]
18	215030000098	3	Nut M20-8-ZnD GB/T 889.1
19	105026013250	1	Shaft XGΦ60-695
20	105026013060	1	Second telescopic boom
21	215030000080	2	Nut M14-8-ZnD GB/T 6184
22	215040000100	2	Ring, retaining 60-DKL JB/ZQ 4342
23	105001010142	2	Washer
24	105025013099	1	Shaft XGΦ40-180
25	214010003000	2	Self-lubricating bearing 40×48×30
26	105026013143	1	Boom installation
27	105026013257	2	Shaft XJΦ60-168
28	105026013174	1	Articulating boom
29	214030000053	2	Self-lubricating bearing

No.	Part No.	Qty.	Description
30	105026013226	1	Connector
31	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
32	105031013003	2	Shaft XGΦ60-210
33	209020000002	5	Pin
34	214030000054	2	Self-lubricating bearing
35	105026013219	1	Linkage
36	105030013004	1	Jib boom assembly
37	105051013241	2	ShaftXGΦ40-120
38	214030000090	4	Self-lubricating bearing 60×70×60
39	105026013123	1	Cable track system
40	214030000067	6	Self-lubricating bushing 50×58×50
41	215030000029	1	Nut M12-8-ZnD GB/T 6184
42	105055013002	1	Cylinder support arm
43	105050013029	1	Telescoping mechanism
44	105025013096	1	Shaft XGΦ60-270
45	215010000012	2	Bolt M10×80-8.8-ZnD GB/T 5782
46	105026013216	1	Linkage
47	105055013004	1	Cylinder support arm
48	105050013271	1	Base boom

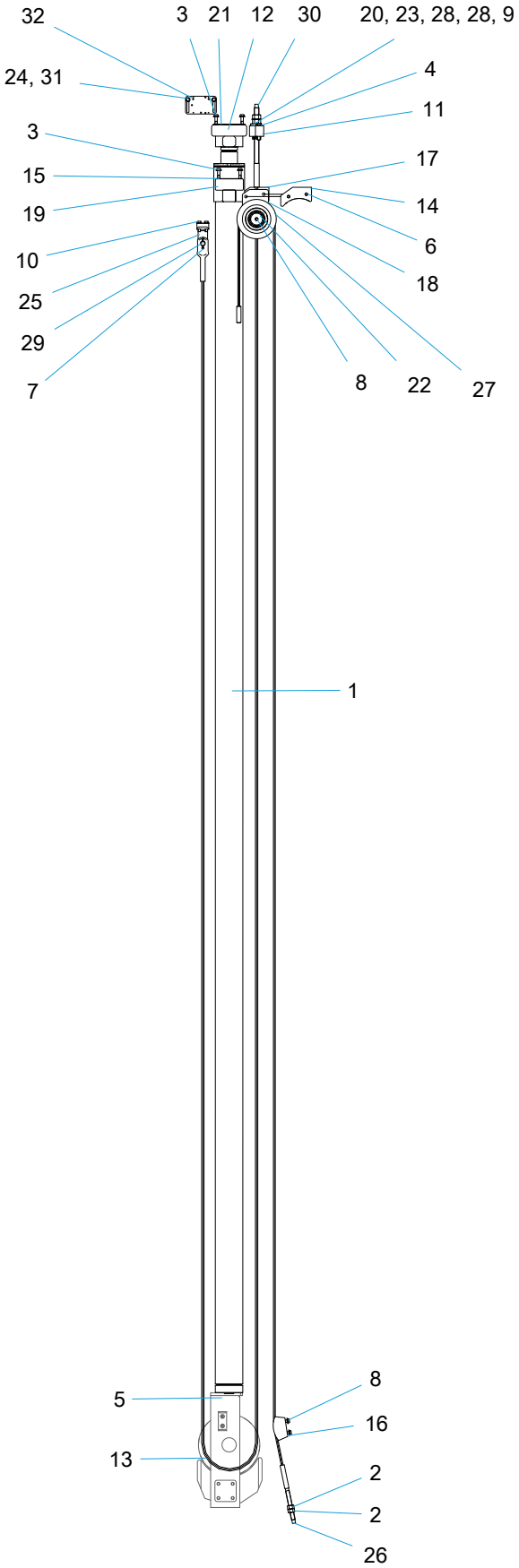
4.1.2 BOOM INSTALLATION



No.	Part No.	Qty.	Description
1	105055013013	2	Nylon brush
2	105067013069	4	Wear pad assembly
3	215010000238	45	Bolt M10×25-8.8-ZnD GB/T 5789
4	215010000281	2	Bolt M6×12-8.8-ZnD GB/T 5789
5	215010000229	26	Bolt M6×10-8.8-ZnD GB/T 5789
6	105047010037	2	Slider block assembly
7	215010000245	6	Bolt M10×16-8.8-ZnD GB/T 5789
8	105050013139	1	Wear pad assembly
9	105021010113	4	Slider block assembly
10	105047010044	1	Slider block assembly
11	105055013009	1	Nylon brush
12	105055013010	1	Nylon brush
13	105021010105	2	Slider block assembly
14	105055013011	1	Nylon brush
15	105031013002	9	shim
16	105048010033	2	Slider block assembly
17	215010000237	30	Bolt M10×20-8.8-ZnD GB/T 5789
18	105026013138	1	Plate
19	104011010072	14	shim
20	104008010103	2	Wear pad assembly
21	105067013070	2	Slider block assembly
22	215010000240	10	Bolt M10×40-8.8-ZnD GB/T 5789
23	105067013071	10	Slider block assembly
24	104009010103	16	shim
25	105049013000	2	shim
26	105055013012	1	Nylon brush
27	105055013008	2	Nylong brush

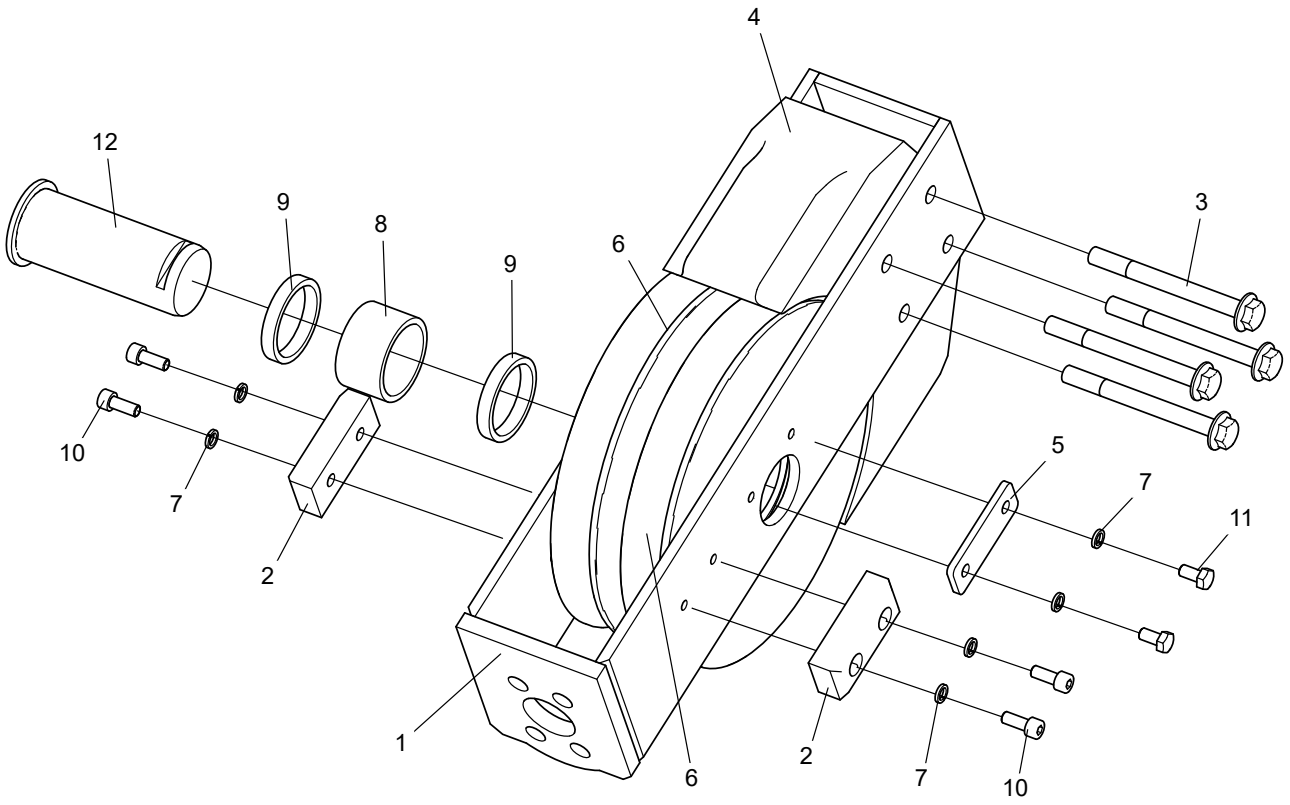
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4.1.3 TELESCOPIC MECHANISM



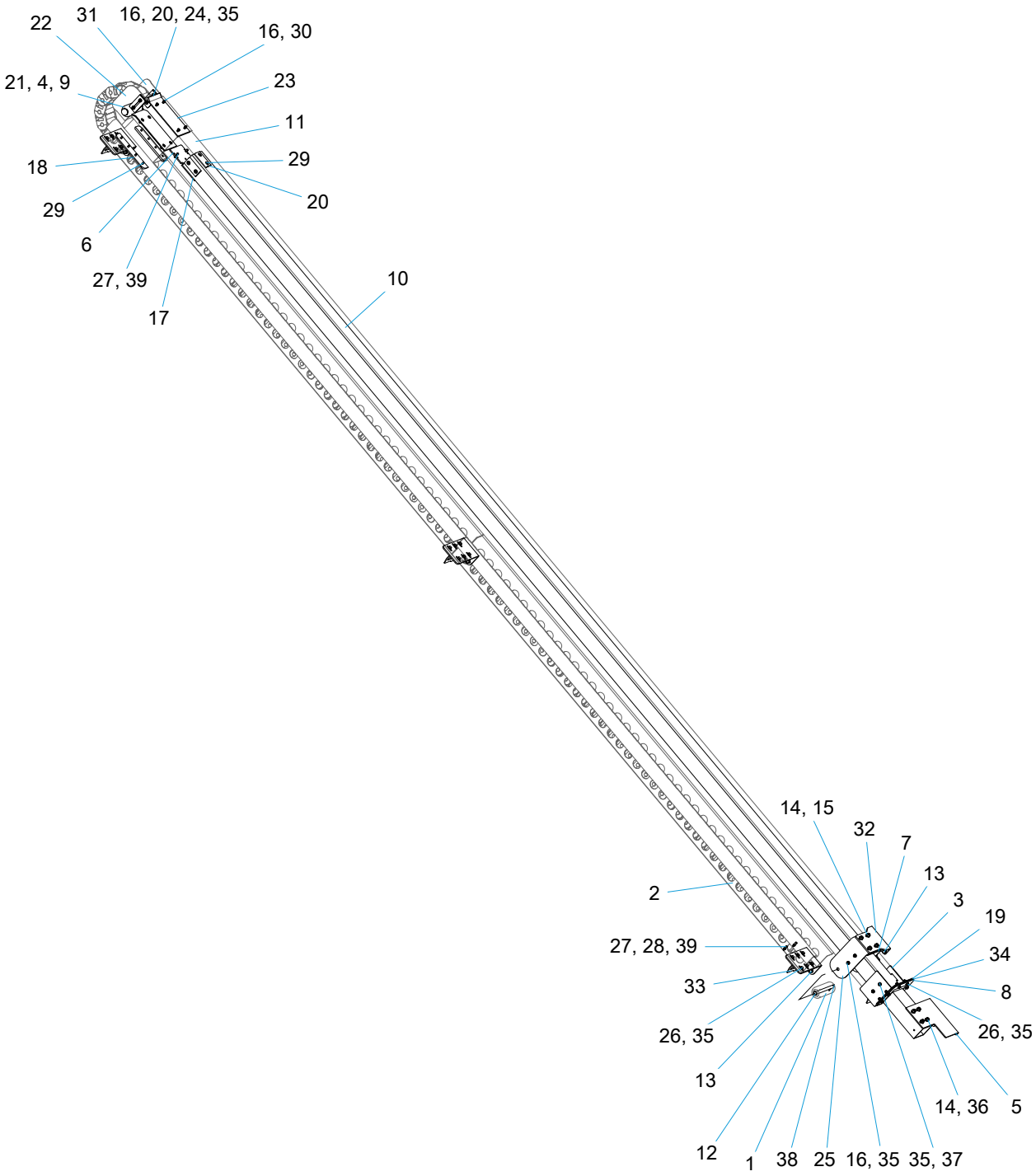
No.	Part No.	Qty.	Description
1	105025013086	1	Telescope cylinder(E)
1a-1	207990003566	1	Seal kit, cylinder(SC：1000033)
1a-2	207990003355	1	Seal kit, cylinder(SC：1000212)
1a-3	207990003903	1	Seal kit, cylinder(SC：1001031)
1a-4	207990003575	1	Seal kit, cylinder(SC：1000148)
2	215030000010	4	Nut M16-8-ZnD GB/T 6170
3	215010000246	8	Bolt M10×45-8.8 ZnD GB/T 5789
4	215010000253	2	Bolt M12×60-8.8-ZnD GB/T 5789
5	215010000252	4	Bolt M14×30-8.8-ZnD GB/T 5789
6	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
7	215060000009	1	Pin 5×32-ZnD GB/T 91
8	215010000237	6	Bolt M10×20-8.8-ZnD GB/T 5789
9	210070000003	2	Spring
10	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
11	105026013209	1	Plate, broken cable detection
12	105001010029	2	Press block, cylinder
13	105026013210	1	Sheave assembly
14	105025013070	1	Stop block
15	105025013059	4	Shim
16	105021010094	2	Guide block
17	105025013067	1	Stop block
18	105025013066	2	Plate
19	105025013064	2	Press block, cylinder
20	105021010194	2	Plate
21	105001010038	4	Shim
22	105001010065	2	Shaft sleeve
23	105001010253	2	Plate, detection
24	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
25	105026013178	1	Retainer, upper cable
26	105050013266	2	Retract cable
27	105025013074	2	Roller assembly
28	215030000012	4	Nut M20-8-ZnD GB/T 6170
29	215060000052	1	Clevis pin B20×120-ZnD GB/T 882
30	105050013267	2	Extend cable
31	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
32	105001010200	1	Tilt Sensor Mounting Plate

4.1.4 HEAD SHEAVE ASSEMBLY



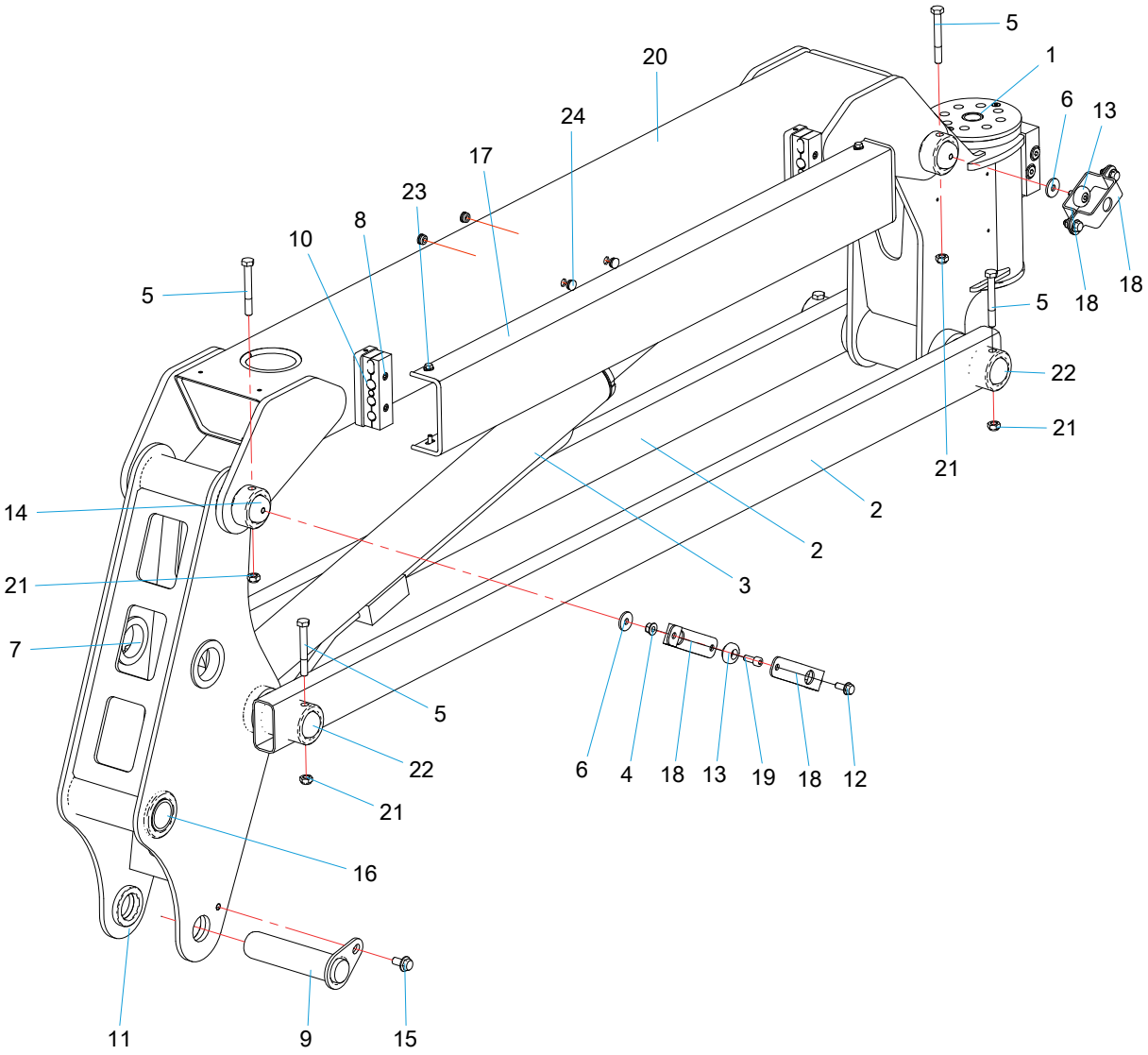
No.	Part No.	Qty.	Description
1	105021010080	1	Bracket, pulley (head)
2	105025013075	2	Slider block
3	215010000254	4	Bolt M12×120-8.8-ZnD GB/T 5789
4	105025013077	1	Slider block
5	105021010067	1	Plate
6	105021010083	2	Roller assembly
7	215040000005	6	Washer 8-ZnD GB/T 93
8	105001010043	1	Spacer bush
9	105001010072	2	Spacer bush
10	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
11	215010000056	2	Bolt M8×16-8.8-ZnD GB/T 5783
12	105021010066	1	Shaft XJΦ50-128

4.1.5 CABLE TRACK INSTALLATION



No.	Part No.	Qty.	Description
1	105019010183	1	Roller
2	105025013026	2	Channel
3	105067013064	1	bracket
4	215060000007	1	Pin 4×32-ZnD GB/T 91
5	105025013023	1	bracket
6	105001010080	1	Plate
7	105001010102	1	Wear pad, nylon
8	105001010111	1	Plate
9	215060000053	1	Clevis pin B20×110-ZnD GB/T 882
10	105026013048	1	Guide tube, inner
11	105026013075	1	Guide tube, outer
12	105019010179	1	Pin
13	215010000233	24	Bolt M8×12-8.8-ZnD GB/T 5789
14	215030000108	8	Nut M8-8-ZnD GB/T 6183.1
15	215020000228	4	Screw M8×30-8.8-ZnD GB/T 70.3
16	215020000229	16	Screw M6×20-A2-70 GB/T 70.3
17	105001010241	1	Wear pad, nylon
18	105001010094	2	Wear pad
19	105001010101	1	Plate
20	105029010012	10	Block, stop
21	105001010084	1	Roller
22	204190003002	1	Cable track and joints
23	105001010079	2	Plate
24	105029010014	2	Shim
25	105031013017	1	bracket
26	215010000231	24	Bolt M6×20-8.8-ZnD GB/T 5789
27	215020000008	4	Screw M5×20-A2-70 GB/T 70.1
28	215040000032	4	Washer 5-A2 GB/T 97.1
29	215020000236	14	Screw M6×16-A2-70 GB/T 70.3
30	215030000025	18	Nut M6-8-A2-70 GB/T 889.1
31	105021010125	1	Bushing, slide
32	105001010112	1	bracket
33	105001010114	3	Chute bracket
34	105001010090	1	Rubber
35	215030000107	38	Nut M6-8-ZnD GB/T 6183.1
36	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
37	215020000230	10	Screw M6×25-A2-70 GB/T 70.3
38	215060000066	1	Pin 4×25-ZnD GB/T 91
39	215030000091	4	Nut M5-A2-70 GB/T 6184

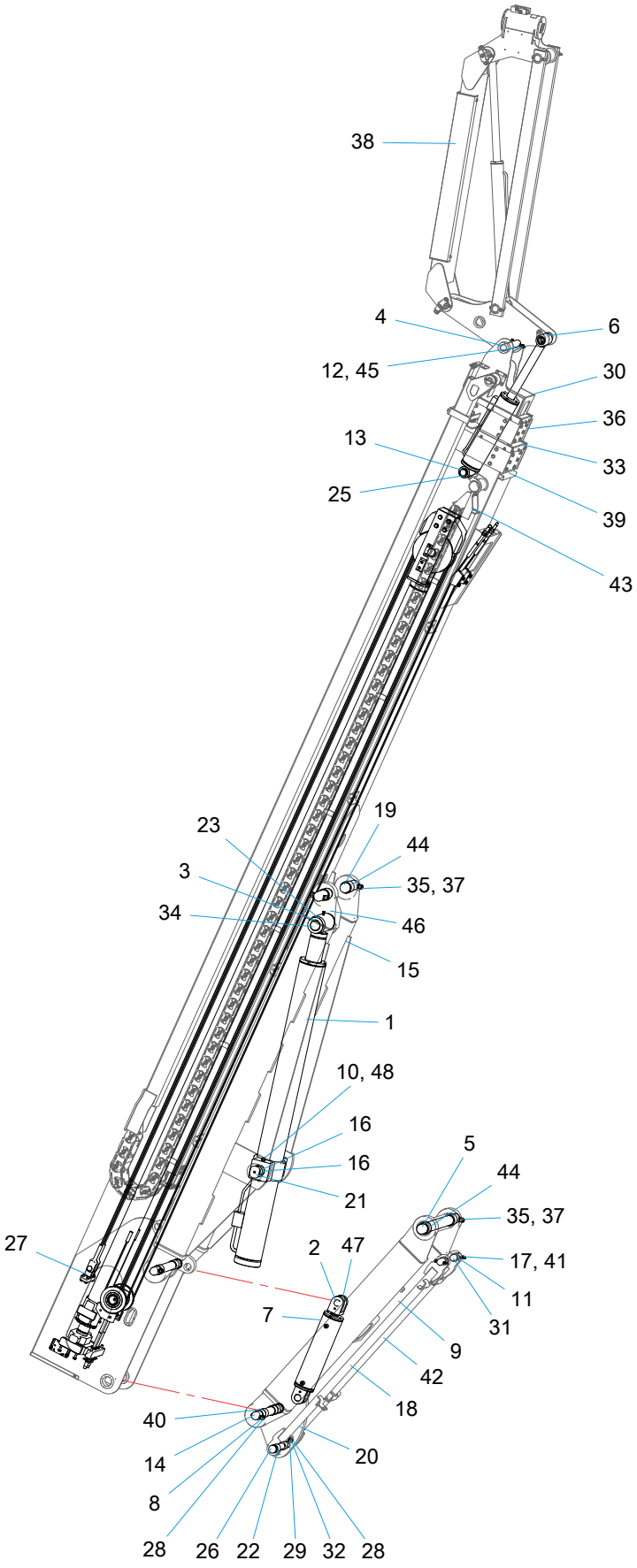
4.1.6 JIB ASSEMBLY



No.	Part No.	Qty.	Description
1	202020003009	1	Swing cylinder(A)
1a	207990003068	1	Seal kit, cylinder
2	105070013043	2	Level arm
3	105025013249	1	Lift cylinder, jib(B)
3a-1	207990003522	1	Seal kit, cylinder(SC：1000145)
3a-2	207990003893	1	Seal kit, cylinder(SC：1000898)
4	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
5	215010000012	6	Bolt M10×80-8.8-ZnD GB/T 5782
6	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
7	105060013078	2	Rubber grommet
8	215020000014	4	Screw M6×30-A2-70 GB/T 70.1
9	105026013279	1	Weldment shaftΦ40-240
10	105050013079	2	Clamp
11	105026013289	1	Pivot
12	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
13	112001013052	2	Block, nylon
14	105026013276	2	Shaft XGΦ40-240
15	215010000237	1	Bolt M10×20-8.8-ZnD GB/T 5789
16	214030000053	6	Self-lubricating bearing
17	105071013732	1	Hose cover
18	112001013051	4	Folded Plate
19	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
20	105070013048	1	Boom tube
21	215030000027	6	Nut M10-8-ZnD GB/T 6184
22	105026013277	2	Shaft XGΦ40-355
23	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
24	101014043005	4	Rubber choke plug

4.2 BOOM ASSEMBLY (STEEL CABLE TRACK)

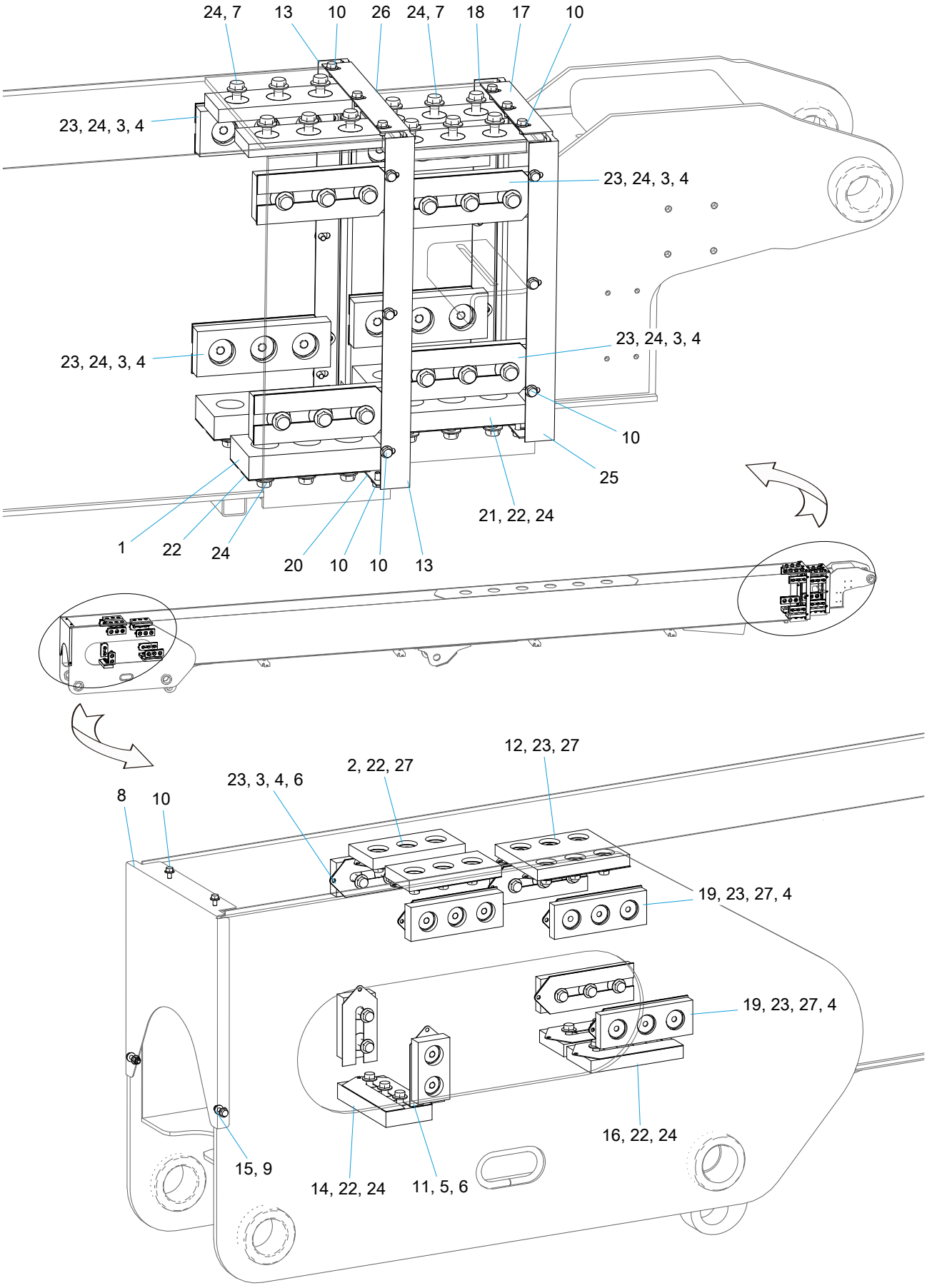
4.2.1 BOOM ASSEMBLY



No.	Part No.	Qty.	Description
1	105025013177	1	Cylinder,lift (B)
1a-1	207990003565	1	Seal kit, cylinder(SC：1000033)
1a-2	207990003354	1	Seal kit, cylinder(SC：1000212)
1a-3	207990003576	1	Seal kit, cylinder(SC：1000148)
1a-4	207990003902	1	Seal kit, cylinder(SC：1001031)
2	105001010235	2	Shaft XGΦ40-120[Z]
3	215040000100	2	Ring, retaining 60-DKL JB/ZQ 4342
4	103006010020	1	ShaftXGΦ40-295
5	105026013250	1	Shaft XGΦ60-695
6	105025013315	1	Slave Cylinder(C)
6a-1	207990004177	1	Seal kit, cylinder(SC：1000898)
6a-2	207990004178	1	Seal kit, cylinder(SC：1000026)
6a-3	207990004179	1	Seal kit, cylinder(SC：1000215)
6a-4	207990004196	1	Seal kit, cylinder(SC：1000145)
7	105025013412	1	Level cylinder, lower(B)
7a	207990003895	1	Seal kit, cylinder(SC：1000898)
8	215010000240	2	Bolt M10×40-8.8-ZnD GB/T 5789
9	105026013174	1	Articulating boom
10	215010000170	2	Bolt M14×140-8.8 GB/T 5782
11	214010003000	2	Self-lubricating bearing 40×48×30
12	215030000029	1	Nut M12-8-ZnD GB/T 6184
13	105025013099	1	Shaft XGΦ40-180
14	105025013095	2	Shaft XJΦ50-485
15	105055013002	1	Cylinder support arm
16	214030000060	4	Self-lubricating bearing
17	215030000027	2	Nut M10-8-ZnD GB/T 6184
18	105026013219	1	Linkage
19	105031013003	2	Shaft XGΦ60-210
20	105026013226	1	Connector
21	105026013257	2	Shaft XJΦ60-168
22	214030000054	2	Self-lubricating bearing
23	105001010142	2	Washer
24	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
25	215040000097	2	Ring, retaining 40-DKL JB/ZQ 4342
26	105003010083	1	ShaftXGΦ40-295
27	105050013029	1	Telescoping mechanism
28	209020000002	5	Pin
29	215010000248	1	Bolt M10x35-8.8 ZnD GB/T 5789

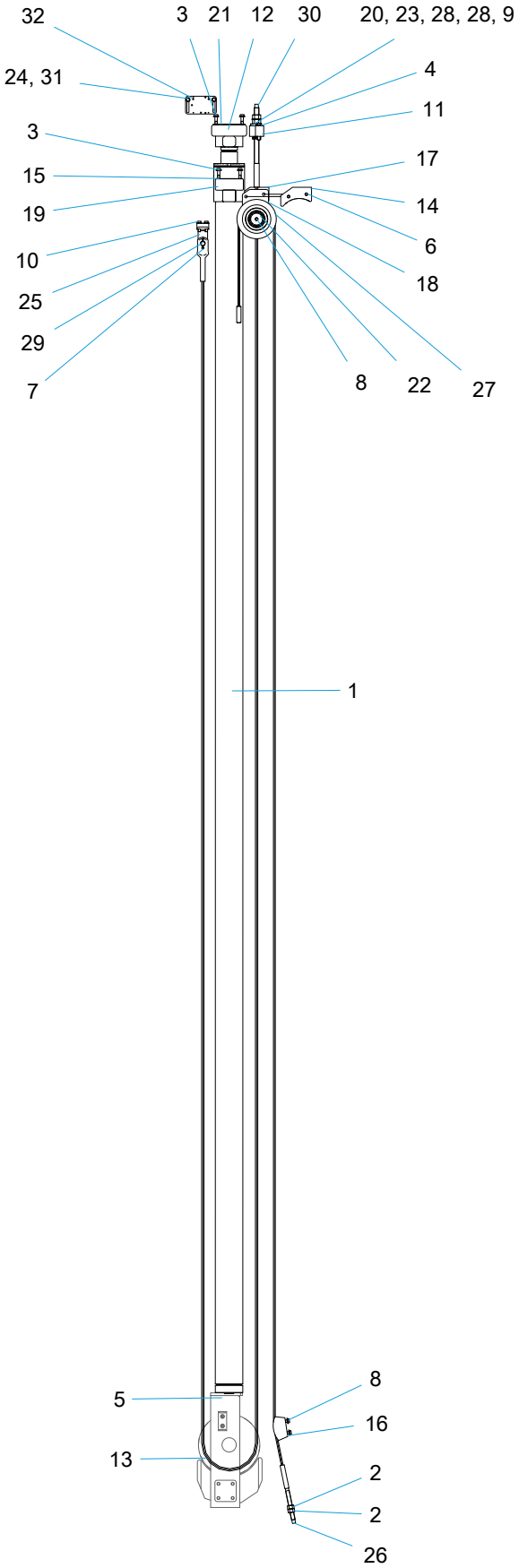
No.	Part No.	Qty.	Description
30	105050013024	1	Second telescopic boom
31	105051013241	2	ShaftXGΦ40-120
32	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
33	105050013028	1	Boom installation
34	105025013096	1	Shaft XGΦ60-270
35	215030000098	4	Nut M20-8-ZnD GB/T 889.1
36	105050013021	1	First telescopic boom[G]
37	215010000206	4	Bolt M20×100-10.9-DKL GB/T 5782
38	105030013004	1	Jib boom assembly
39	105050013019	1	Base boom
40	214030000067	6	Self-lubricating bushing 50×58×50
41	215010000012	2	Bolt M10×80-8.8-ZnD GB/T 5782
42	105026013216	1	Linkage
43	105050013065	1	Cable track system
44	214030000090	4	Self-lubricating bearing 60×70×60
45	215010000016	1	Bolt M12×90-8.8-ZnD GB/T 5782
46	105055013004	1	Cylinder support arm
47	214030000053	2	Self-lubricating bearing
48	215030000080	2	Nut M14-8-ZnD GB/T 6184

4.2.2 BOOM INSTALLATION



No.	Part No.	Qty.	Description
1	105048010033	2	Slider block assembly
2	104008010103	2	Wear pad assembly
3	105067013071	10	Slider block assembly
4	104011010072	14	shim
5	105067013070	2	Slider block assembly
6	215010000240	10	Bolt M10×40-8.8-ZnD GB/T 5789
7	105021010113	4	Slider block assembly
8	105026013138	1	Plate
9	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
10	215010000229	26	Bolt M6×10-8.8-ZnD GB/T 5789
11	105049013000	2	shim
12	105050013139	1	Wear pad assembly
13	105055013008	2	Nylong brush
14	105047010044	1	Slider block assembly
15	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
16	105047010037	2	Slider block assembly
17	105055013013	2	Nylon brush
18	105055013011	1	Nylon brush
19	105067013069	4	Wear pad assembly
20	105055013012	1	Nylon brush
21	105021010105	2	Slider block assembly
22	105031013002	9	shim
23	104009010103	16	shim
24	215010000238	57	Bolt M10×25-8.8-ZnD GB/T 5789
25	105055013010	1	Nylon brush
26	105055013009	1	Nylon brush
27	215010000237	24	Bolt M10×20-8.8-ZnD GB/T 5789

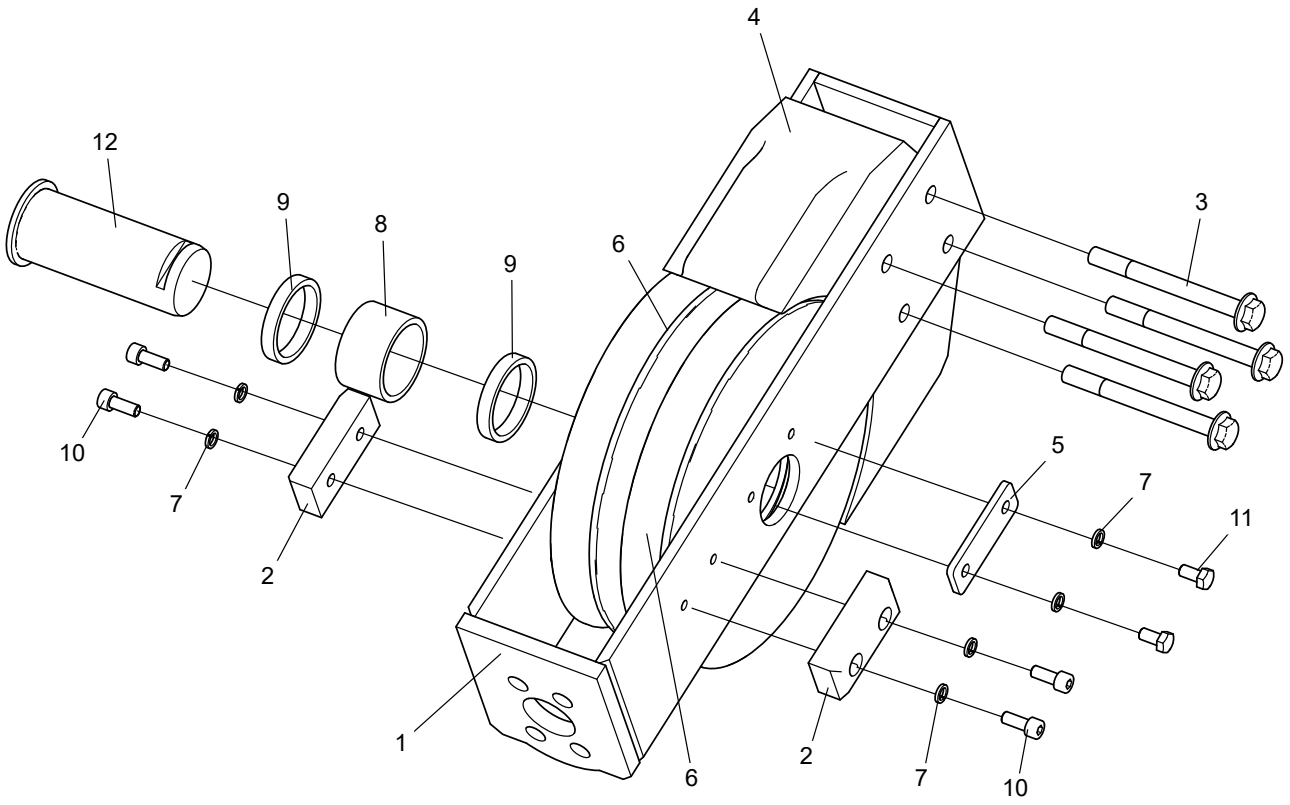
4.2.3 TELESCOPIC MECHANISM



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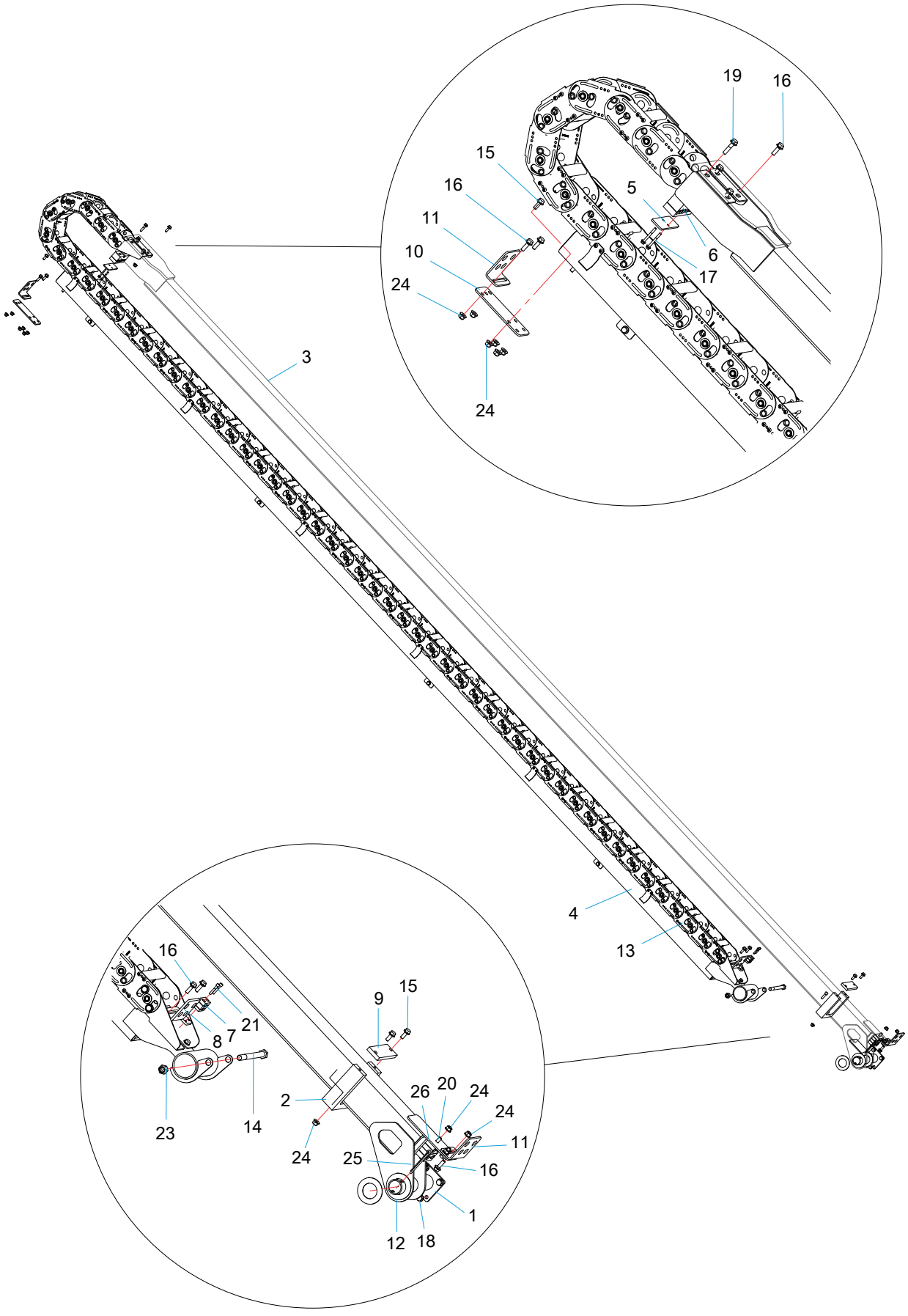
No.	Part No.	Qty.	Description
1	105025013086	1	Telescope cylinder(E)
1a-1	207990003566	1	Seal kit, cylinder(SC：1000033)
1a-2	207990003355	1	Seal kit, cylinder(SC：1000212)
1a-3	207990003903	1	Seal kit, cylinder(SC：1001031)
1a-4	207990003575	1	Seal kit, cylinder(SC：1000148)
2	215030000010	4	Nut M16-8-ZnD GB/T 6170
3	215010000246	8	Bolt M10×45-8.8 ZnD GB/T 5789
4	215010000253	2	Bolt M12×60-8.8-ZnD GB/T 5789
5	215010000252	4	Bolt M14×30-8.8-ZnD GB/T 5789
6	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
7	215060000009	1	Pin 5×32-ZnD GB/T 91
8	215010000237	6	Bolt M10×20-8.8-ZnD GB/T 5789
9	210070000003	2	Spring
10	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
11	105026013209	1	Plate, broken cable detection
12	105001010029	2	Press block, cylinder
13	105026013210	1	Sheave assembly
14	105025013070	1	Stop block
15	105025013059	4	Shim
16	105021010094	2	Guide block
17	105025013067	1	Stop block
18	105025013066	2	Plate
19	105025013064	2	Press block, cylinder
20	105021010194	2	Plate
21	105001010038	4	Shim
22	105001010065	2	Shaft sleeve
23	105001010253	2	Plate, detection
24	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
25	105026013178	1	Retainer, upper cable
26	105050013266	2	Retract cable
27	105025013074	2	Roller assembly
28	215030000012	4	Nut M20-8-ZnD GB/T 6170
29	215060000052	1	Clevis pin B20×120-ZnD GB/T 882
30	105050013267	2	Extend cable
31	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
32	105001010200	1	Tilt Sensor Mounting Plate

4.2.4 HEAD SHEAVE ASSEMBLY



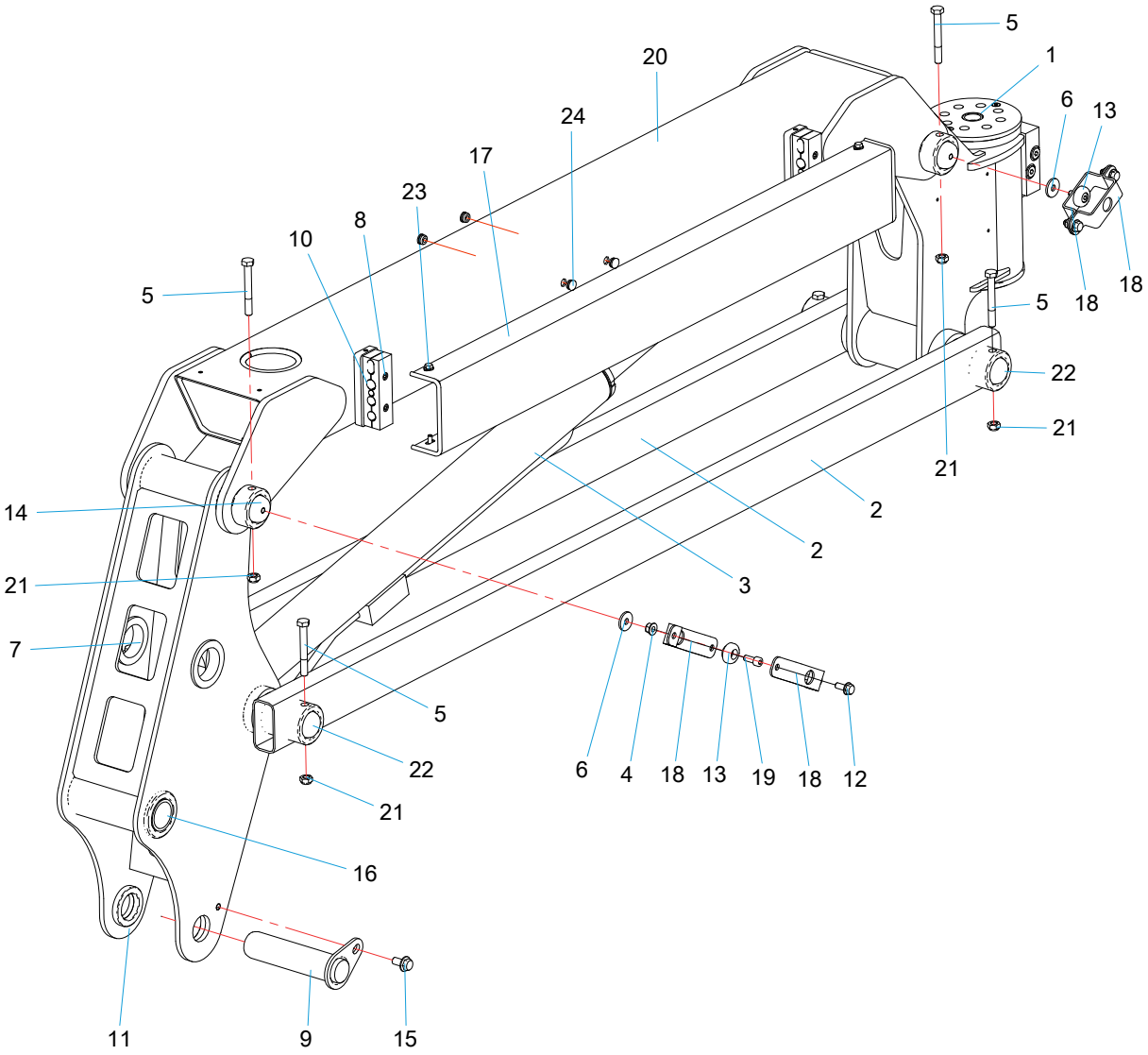
No.	Part No.	Qty.	Description
1	105021010080	1	Bracket, pulley (head)
2	105025013075	2	Slider block
3	215010000254	4	Bolt M12×120-8.8-ZnD GB/T 5789
4	105025013077	1	Slider block
5	105021010067	1	Plate
6	105021010083	2	Roller assembly
7	215040000005	6	Washer 8-ZnD GB/T 93
8	105001010043	1	Spacer bush
9	105001010072	2	Spacer bush
10	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
11	215010000056	2	Bolt M8×16-8.8-ZnD GB/T 5783
12	105021010066	1	Shaft XJΦ50-128

4.2.5 CABLE TRACK INSTALLATION



No.	Part No.	Qty.	Description
1	105050013032	1	Support
2	105050013051	1	Slider block
3	105050013063	1	Guide tube, upper
4	105050013064	1	Guide tube, lower
5	105064013087	1	Plate
6	105064013101	1	Clamp assembly
7	105064013103	1	Clamp
8	105064013104	1	Folded plate
9	105071013613	1	Cover Plate
10	105071013622	1	Plate
11	105071013623	2	Folded plate
12	105071013639	4	Retaining ring
13	204190003072	1	Steel chain
14	215010000223	1	Bolt M14×155-8.8-ZnD GB/T 5782
15	215010000234	16	Bolt M8×20-8.8-ZnD GB/T 5789
16	215010000235	8	Bolt M8×25-8.8-ZnD GB/T 5789
17	215010000255	2	Bolt M5×45-8.8-ZnD GB/T 5789
18	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
19	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789
20	215010000317	1	Bolt M8×70-8.8-ZnD GB/T 5789
21	215020000009	2	Screw M5×30-A2-70 GB/T 70.1
22	215020000025	2	Screw M8×30-8.8-ZnD GB/T 70.1
23	215030000080	1	Nut M14-8-ZnD GB/T 6184
24	215030000108	27	Nut M8-8-ZnD GB/T 6183.1
25	215060000015	2	Pin 6.3×63-ZnD GB/T 91
26	216010003001	2	Clamp

4.2.6 JIB ASSEMBLY

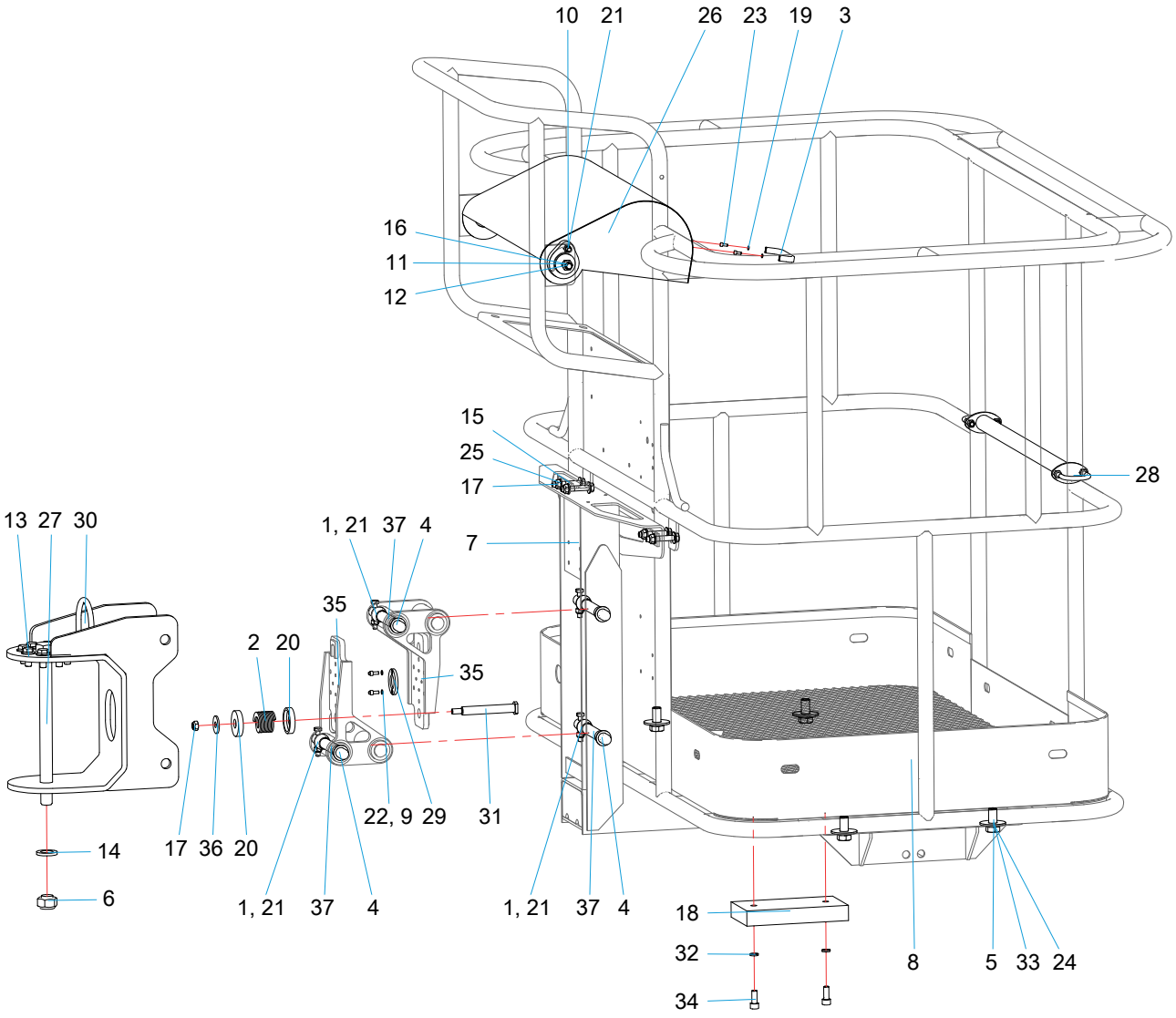


No.	Part No.	Qty.	Description
1	202020003009	1	Swing cylinder(A)
1a	207990003068	1	Seal kit, cylinder
2	105070013043	2	Level arm
3	105025013249	1	Lift cylinder, jib(B)
3a-1	207990003522	1	Seal kit, cylinder(SC：1000145)
3a-2	207990003893	1	Seal kit, cylinder(SC：1000898)
4	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
5	215010000012	6	Bolt M10×80-8.8-ZnD GB/T 5782
6	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
7	105060013078	2	Rubber grommet
8	215020000014	4	Screw M6×30-A2-70 GB/T 70.1
9	105026013279	1	Weldment shaftΦ40-240
10	105050013079	2	Clamp
11	105026013289	1	Pivot
12	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
13	112001013052	2	Block, nylon
14	105026013276	2	Shaft XGΦ40-240
15	215010000237	1	Bolt M10×20-8.8-ZnD GB/T 5789
16	214030000053	6	Self-lubricating bearing
17	105071013732	1	Hose cover
18	112001013051	4	Folded Plate
19	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
20	105070013048	1	Boom tube
21	215030000027	6	Nut M10-8-ZnD GB/T 6184
22	105026013277	2	Shaft XGΦ40-355
23	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
24	101014043005	4	Rubber choke plug

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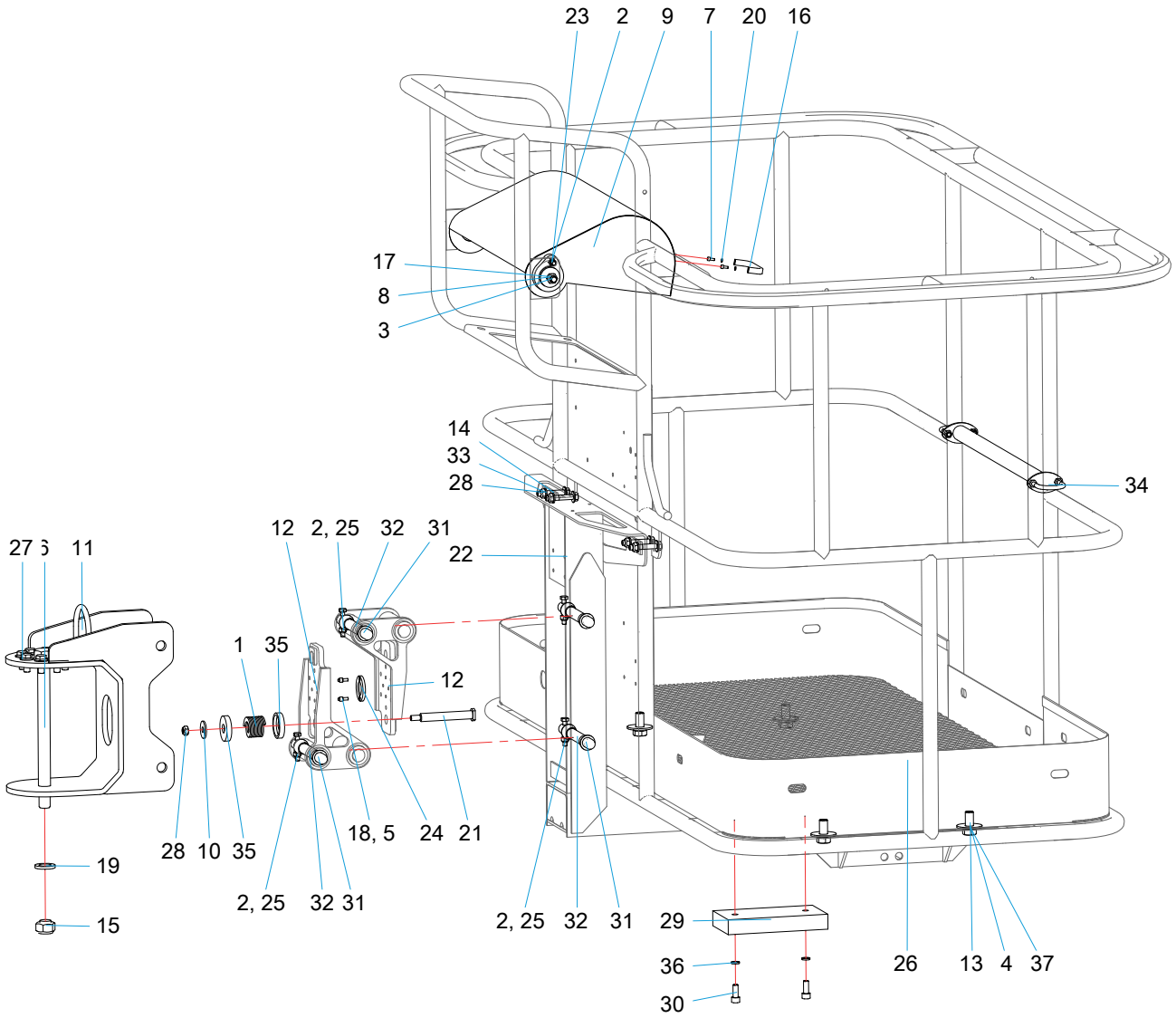
5 PLATFORM ASSEMBLY

5.1 1.45M[57IN] PLATFORM



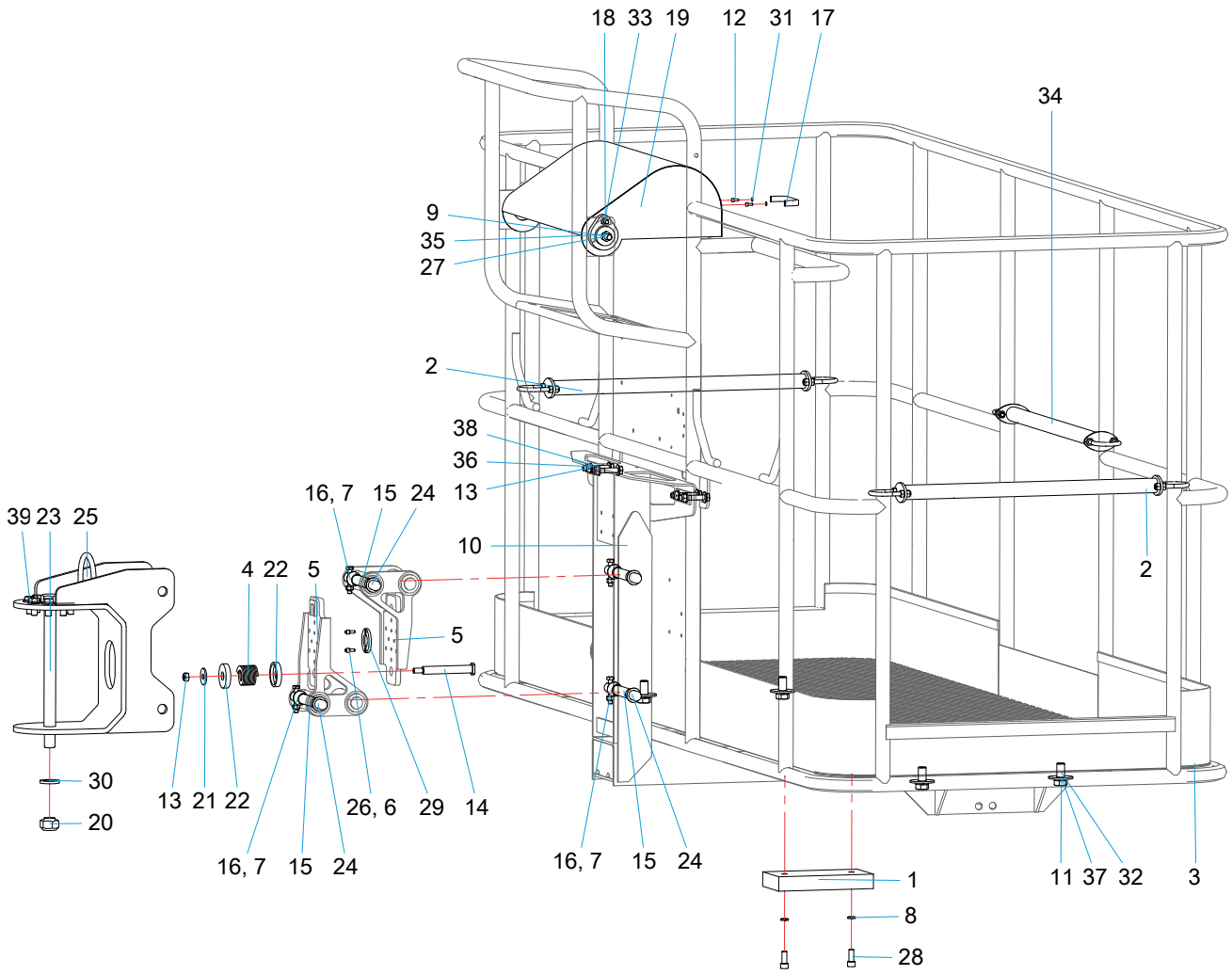
No.	Part No.	Qty.	Description
1	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
2	210110000001	1	Compression spring
3	209030000001	1	Handle, C.C.96mm
4	214080000001	8	Bearing 20×23×21.5 SF-1F
5	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
6	215030000104	1	Nut M22-8-ZnD GB/T 899.1
7	105050043099	1	Bracket
8	105001040039	1	Platform
9	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
10	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
11	105001040055	2	Plate
12	215030000029	4	Nut M12-8-ZnD GB/T 6184
13	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789
14	215040000108	1	Washer 22-DKL GB/T 1230
15	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
16	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
17	215030000027	5	Nut M10-8-ZnD GB/T 6184
18	105001040006	1	Cushion block
19	215040000002	2	Washer 4-A2-70 GB/T 93
20	105029013045	2	Retaining ring
21	215030000026	6	Nut M8-8-ZnD GB/T889.1
22	215040000003	2	Washer 5-A2-70 GB/T 93
23	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
24	215040000008	4	Washer 16-ZnD GB/T 93
25	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
26	105001040029	1	Dust cover
27	105050043086	1	Shaft XJΦ24-298
28	105064043183	1	Door Pole
29	103006060038	1	Plate
30	105050013287	1	Support
31	105029013067	1	Special screw
32	215040000006	2	Washer 10-ZnD GB/T 93
33	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
34	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
35	114023040001	2	Frame, weighing
36	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
37	105001040034	4	Shaft

5.2 1.83M [72IN] PLATFORM



No.	Part No.	Qty.	Description
1	210110000001	1	Compression spring
2	215030000026	6	Nut M8-8-ZnD GB/T889.1
3	215030000029	2	Nut M12-8-ZnD GB/T 6184
4	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
5	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
6	105050043086	1	Shaft XJΦ24-298
7	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
8	105001040055	2	Plate
9	105001040029	1	Dust cover
10	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
11	105050013287	1	Support
12	114023040001	2	Frame, weighing
13	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
14	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
15	215030000104	1	Nut M22-8-ZnD GB/T 899.1
16	209030000001	1	Handle, C.C.96mm
17	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
18	215040000003	2	Washer 5-A2-70 GB/T 93
19	215040000108	1	Washer 22-DKL GB/T 1230
20	215040000002	2	Washer 4-A2-70 GB/T 93
21	105029013067	1	Special screw
22	105050043099	1	Bracket
23	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
24	103006060038	1	Plate
25	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
26	105021040007	1	Platform
27	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789
28	215030000027	5	Nut M10-8-ZnD GB/T 6184
29	105001040006	1	Cushion block
30	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
31	214080000001	8	Bearing 20×23×21.5 SF-1F
32	105001040034	4	Shaft
33	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
34	105064043183	1	Door Pole
35	105029013045	2	Retaining ring
36	215040000006	2	Washer 10-ZnD GB/T 93
37	215040000008	4	Washer 16-ZnD GB/T 93

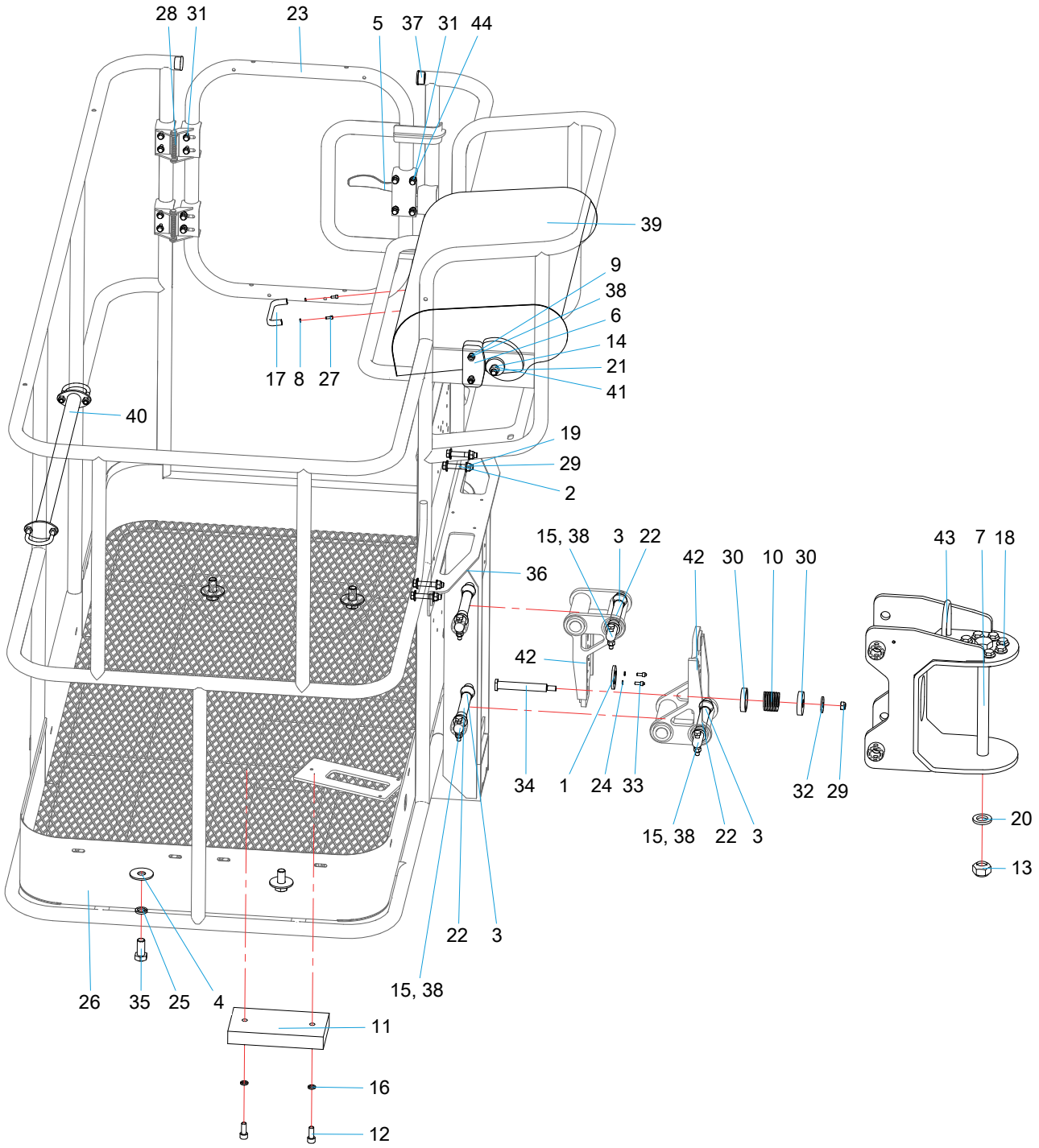
5.3 2.44M [96IN] PLATFORM



No.	Part No.	Qty.	Description
1	105001040006	1	Cushion block
2	105064043168	2	Door lever assembly
3	105051043019	1	Platform
4	210110000001	1	Compression spring
5	114023040001	2	Frame, weighing
6	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
7	215030000026	4	Nut M8-8-ZnD GB/T889.1
8	215040000006	2	Washer 10-ZnD GB/T 93
9	105001040055	2	Plate
10	105050043075	1	Support
11	215040000008	4	Washer 16-ZnD GB/T 93
12	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
13	215030000027	5	Nut M10-8-ZnD GB/T 6184
14	105029013067	1	Special screw
15	105001040034	4	Shaft
16	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
17	209030000001	1	Handle, C.C.96mm
18	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
19	105001040029	1	Dust cover
20	215030000104	1	Nut M22-8-ZnD GB/T 899.1
21	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
22	105029013045	2	Retaining ring
23	105050043086	1	Shaft XJΦ24-298
24	214080000001	8	Bearing 20×23×21.5 SF-1F
25	105050013287	1	Support
26	215040000003	2	Washer 5-A2-70 GB/T 93
27	215030000029	2	Nut M12-8-ZnD GB/T 6184
28	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
29	103006060038	1	Plate
30	215040000108	1	Washer 22-DKL GB/T 1230
31	215040000002	2	Washer 4-A2-70 GB/T 93
32	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
33	215030000005	2	Nut M8-8-ZnD-GB/T 6170
34	105064043183	1	Door Pole
35	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
36	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
37	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
38	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
39	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789

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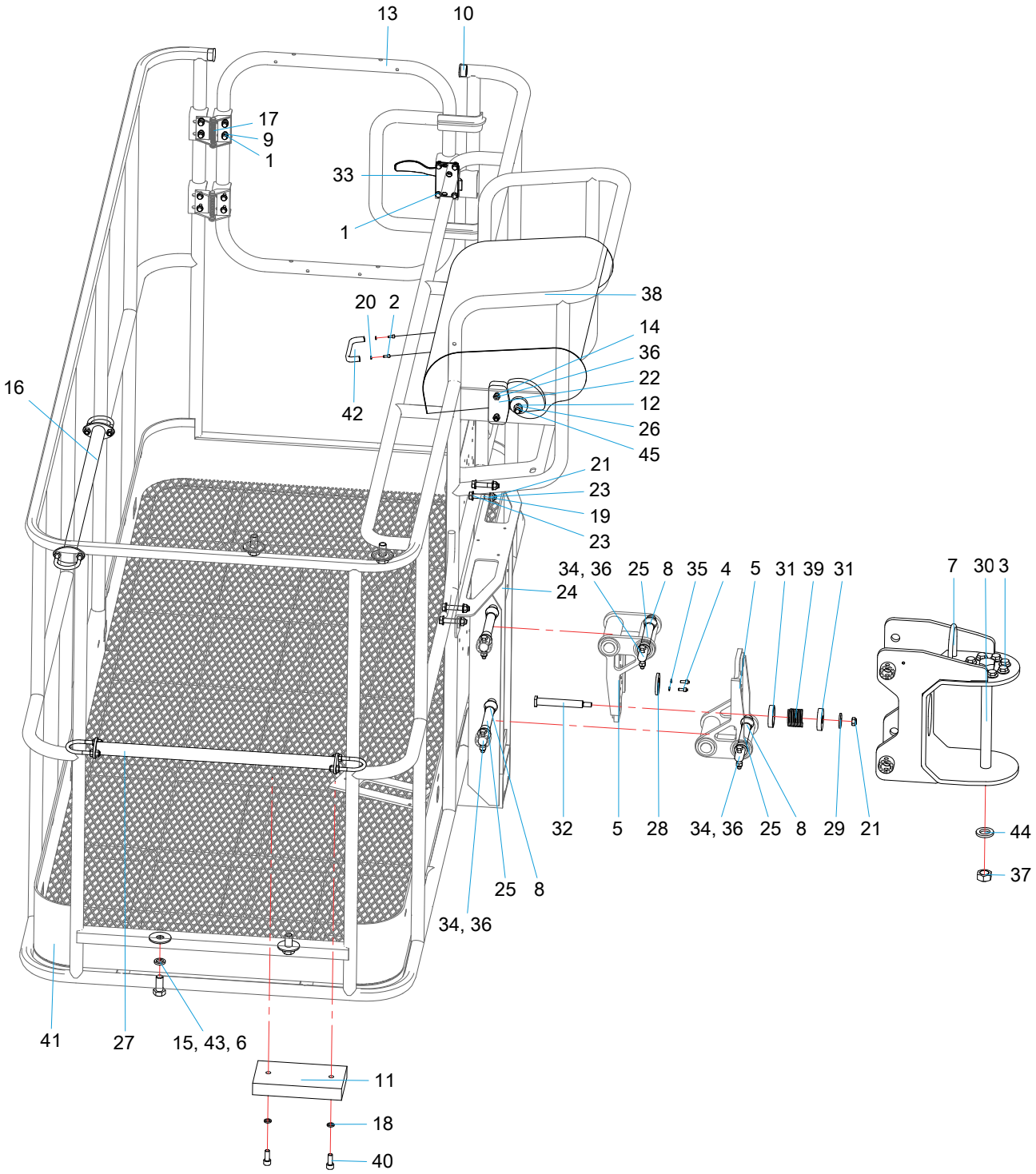
5.4 1.83M[72IN]PLATFORM WITH SWING GATE



No.	Part No.	Qty.	Description
1	103006060038	1	Plate
2	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
3	214080000001	8	Bearing 20×23×21.5 SF-1F
4	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
5	209050003006	1	Lock
6	105068043027	2	Stop block
7	105050043086	1	Shaft XJΦ24-298
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
10	210110000001	1	Compression spring
11	105001040006	1	Cushion block
12	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
13	215030000104	1	Nut M22-8-ZnD GB/T 899.1
14	105001040055	2	Plate
15	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
16	215040000006	2	Washer 10-ZnD GB/T 93
17	209030000001	1	Handle, C.C.96mm
18	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789
19	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
20	215040000108	1	Washer 22-DKL GB/T 1230
21	215030000029	2	Nut M12-8-ZnD GB/T 6184
22	105001040034	4	Shaft
23	105068043015	1	Gate, side
24	215040000003	2	Washer 5-A2-70 GB/T 93
25	215040000008	4	Washer 16-ZnD GB/T 93
26	105068043026	1	Platform
27	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
28	209050003009	2	Hinge
29	215030000027	5	Nut M10-8-ZnD GB/T 6184
30	105029013045	2	Retaining ring
31	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
32	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
33	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
34	105029013067	1	Special screw
35	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
36	105050043099	1	Bracket
37	105064043177	2	Tube cap
38	215030000026	8	Nut M8-8-ZnD GB/T889.1
39	105068043022	1	Dust cover
40	105064043183	1	Door Pole

No.	Part No.	Qty.	Description
41	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
42	114023040001	2	Frame, weighing
43	105050013287	1	Support
44	215030000107	12	Nut M6-8-ZnD GB/T 6183.1

5.5 2.44M [96IN] PLATFORM WITH SWING GATE



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No.	Part No.	Qty.	Description
1	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
2	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
3	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789
4	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
5	114023040001	2	Frame, weighing
6	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
7	105050013287	1	Support
8	214080000001	8	Bearing 20×23×21.5 SF-1F
9	215030000107	12	Nut M6-8-ZnD GB/T 6183.1
10	105064043177	2	Tube cap
11	105001040006	1	Cushion block
12	105001040055	2	Plate
13	105064043085	1	Gate, side
14	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
15	215040000008	4	Washer 16-ZnD GB/T 93
16	105064043183	1	Door Pole
17	209050003009	2	Hinge
18	215040000006	2	Washer 10-ZnD GB/T 93
19	215010000009	4	Bolt M10×55-8.8-ZnD GB/T 5782
20	215040000002	2	Washer 4-A2-70 GB/T 93
21	215030000027	5	Nut M10-8-ZnD GB/T 6184
22	105068043027	2	Stop block
23	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
24	105050043075	1	Support
25	105001040034	4	Shaft
26	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
27	105064043168	1	Door lever assembly
28	103006060038	1	Plate
29	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
30	105050043086	1	Shaft XJΦ24-298
31	105029013045	2	Retaining ring
32	105029013067	1	Special screw
33	209050003006	1	Lock
34	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
35	215040000003	2	Washer 5-A2-70 GB/T 93
36	215030000026	8	Nut M8-8-ZnD GB/T889.1
37	215030000069	1	Nut M22-8-ZnD GB/T 6170
38	105068043022	1	Dust cover
39	210110000001	1	Compression spring

No.	Part No.	Qty.	Description
40	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
41	105064043073	1	Platform
42	209030000001	1	Handle, C.C.96mm
43	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
44	215040000108	1	Washer 22-DKL GB/T 1230
45	215030000029	2	Nut M12-8-ZnD GB/T 6184

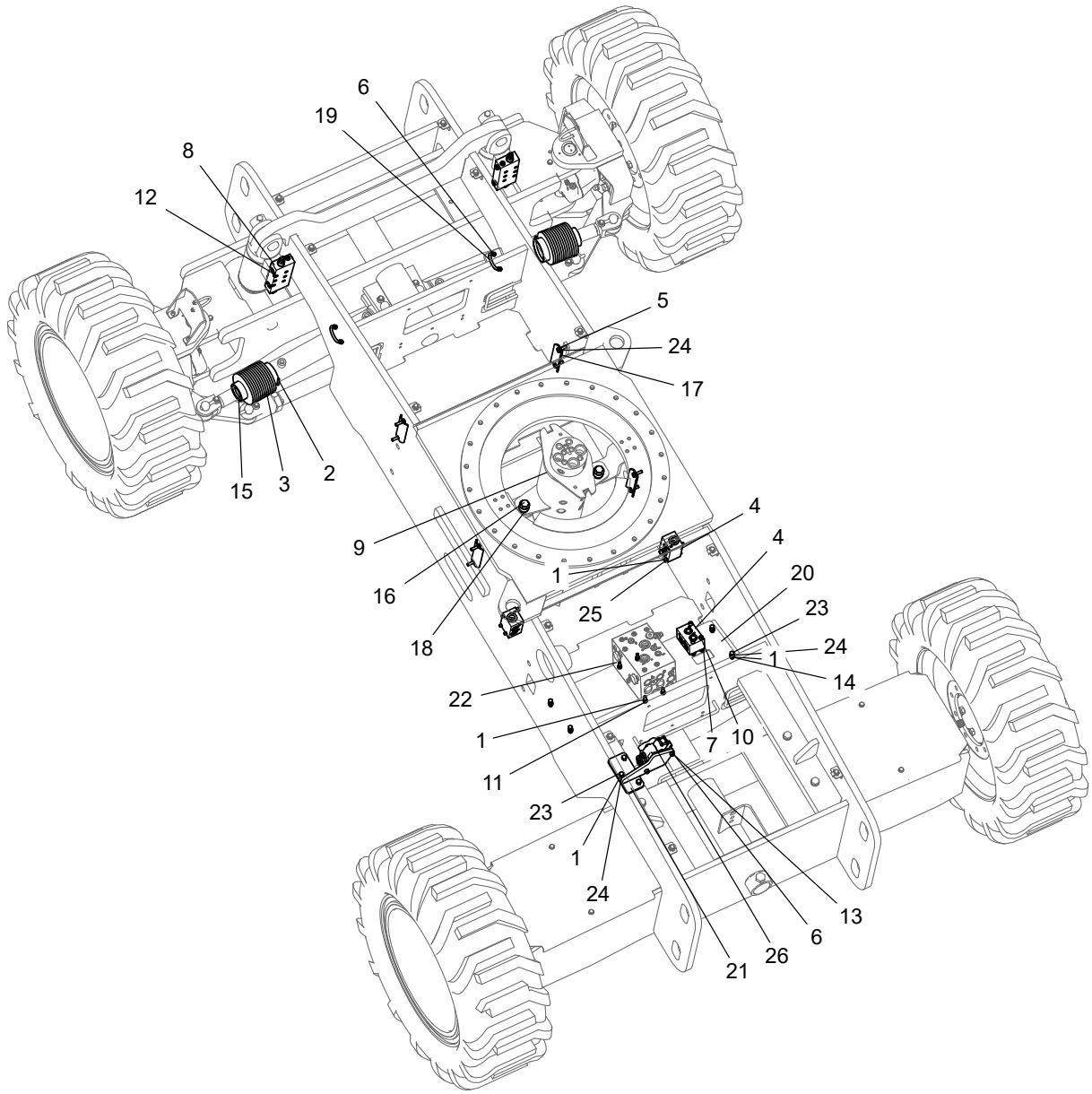
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6 HYDRAULIC SYSTEM

6.1 HYDRAULIC SYSTEM (THREADED CARTRIDGE VALVE)

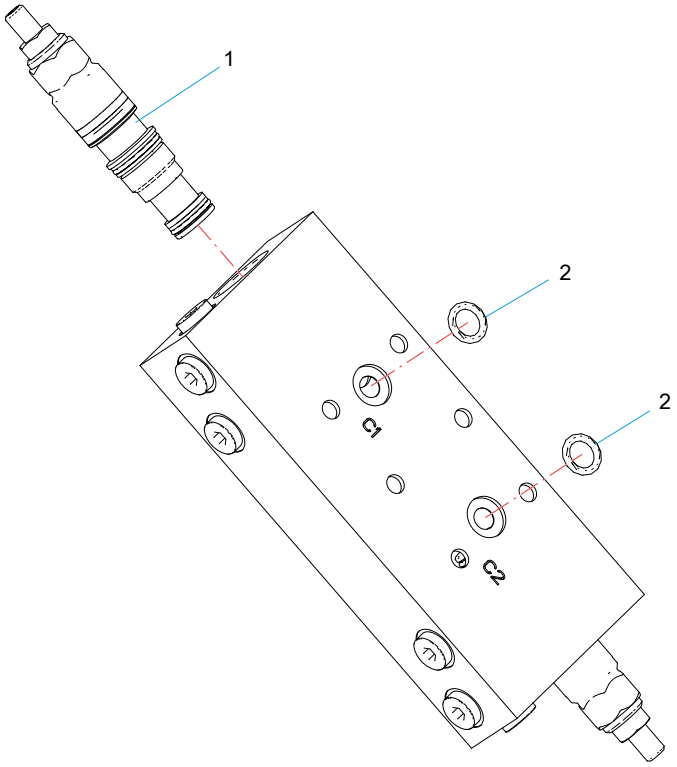
6.1.1 CHASSIS HYDRAULIC SYSTEM

6.1.1.1 Chassis Hydraulic Components Installation



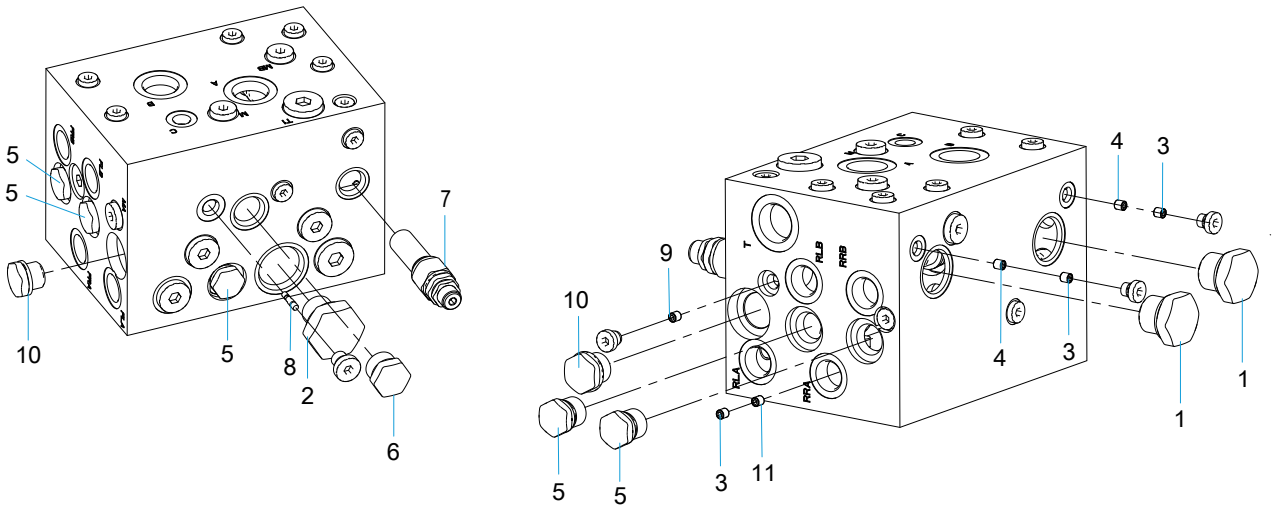
No.	Part No.	Qty.	Description
1	215040000005	17	Washer 8-ZnD GB/T 93
2	216020000009	2	Hose clamp
3	105047050001	2	Bellow, steer cylinder
4	105001050037	3	Manifold
5	215010000059	8	Bolt M8×30-8.8-ZnD GB/T 5783
6	215030000026	6	Nut M8-8-ZnD GB/T889.1
7	215030000108	3	Nut M8-8-ZnD GB/T 6183.1
8	202040003032	2	Oscillate counterbalance valve
9	202100003009	1	Central rotary joint
10	215020000042	3	Screw M8×70-10.9-DKL GB/T 70.1
11	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
12	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
13	215010000066	2	Bolt M8×65-8.8-ZnD GB/T 5783
14	215030000005	4	Nut M8-8-ZnD-GB/T 6170
15	216020000003	2	Clamp
16	215010000276	2	Bolt M16×40-8.8-ZnD GB/T 5789
17	103003050039	4	Bracket
18	215030000105	2	Nut M16-10-DKL GB/T 6177.1
19	104016020023	2	U-clamp
20	103008030018	1	Plate, Mounting, Drive Control Valve
21	112001053153	1	Bracket, mounting (multi-way valve, osci
22	104020050022		Drive control valve options (4WD)
22-1	202040000153	1	Drive control valve(1000176)
22-2	202040003250	1	Drive control valve(1000282)
23	215010000058	7	Bolt M8×25-8.8-ZnD GB/T 5783
24	215040000034	15	Washer 8-200HV-ZnD GB/T 97.1
25	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
26	114015053132		OPT, valve (manifold, oscillate control)
26-1	202040003026	1	Oscillate multi-way valve(1000191)
26-2	202040003485	1	Oscillate control manifold(1000179)

6.1.1.2 Oscillate Counterbalance Valve (PN.202040003032)



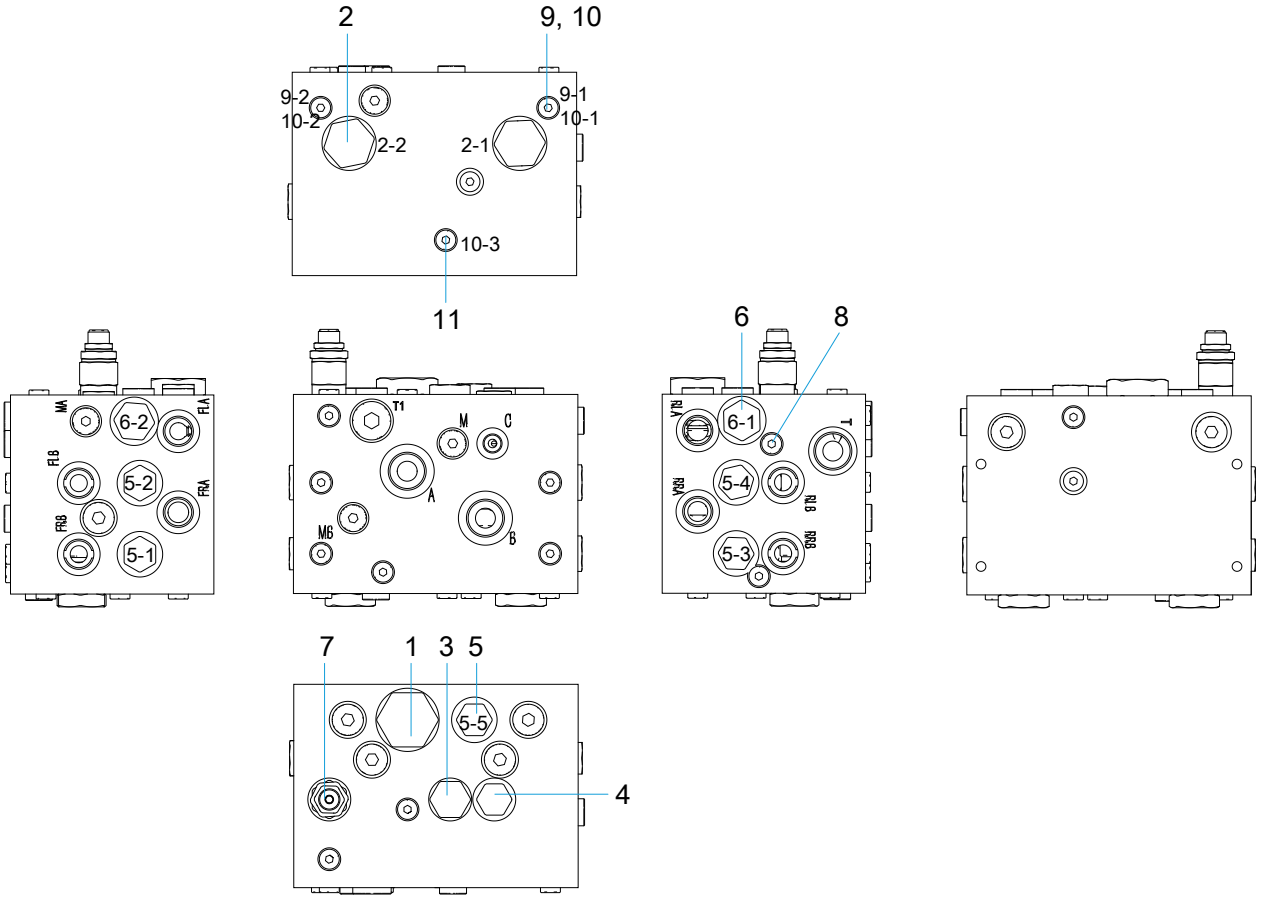
No.	Part No.	Qty.	Description
1	202040003216	2	Spool
2	207040003003	2	O-ring

6.1.1.3 Drive Control Valve (PN.202040000153)



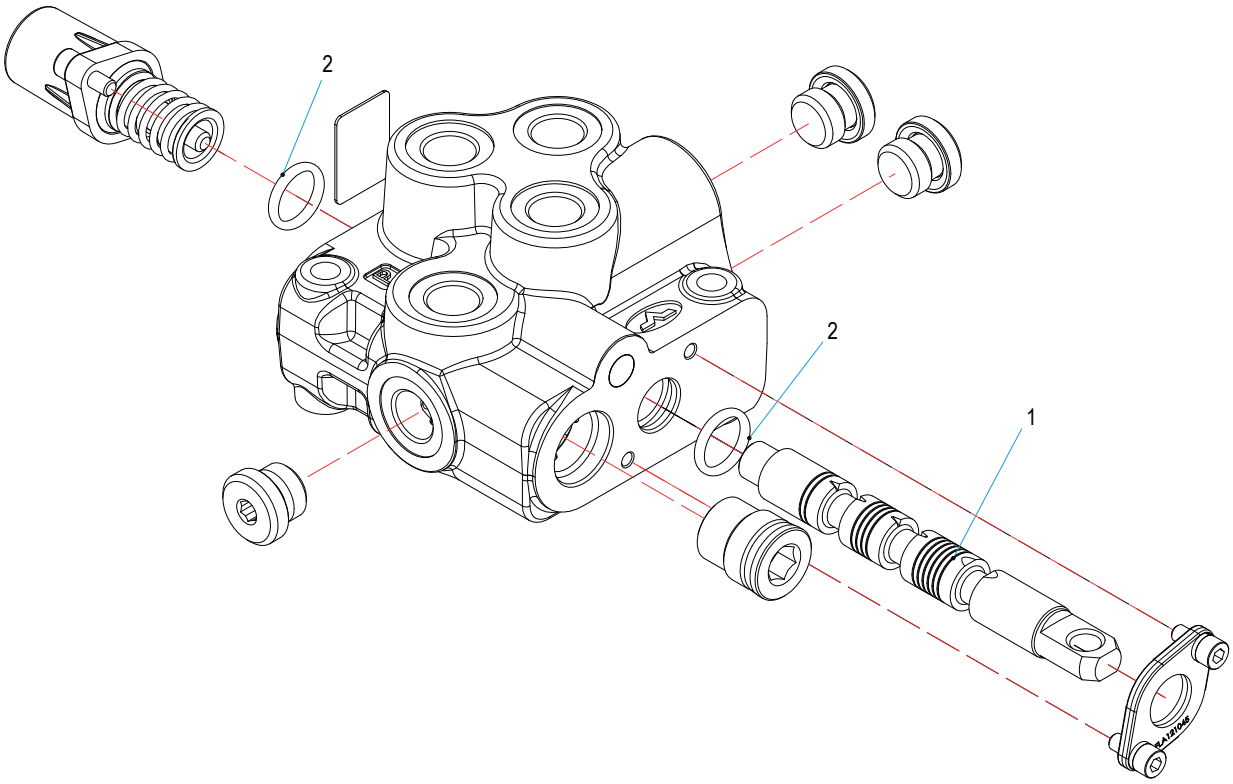
No.	Part No.	Qty.	Description
1	202990003110	2	Dividing-combining valve
2	202990003109	1	Dividing-combining valve
3	202130003004	3	Damper
4	202130000006	2	Damper plug
5	202990003071	5	Check valve
6	202990003108	1	Flushing valve
7	202990003082	1	Relief valve
8	202990003063	1	Shuttle valve
9	202130003015	1	Damper
10	202990003095	2	Check valve
11	202130000002	1	Plug

6.1.1.4 Drive Control Valve (PN.202040003250)



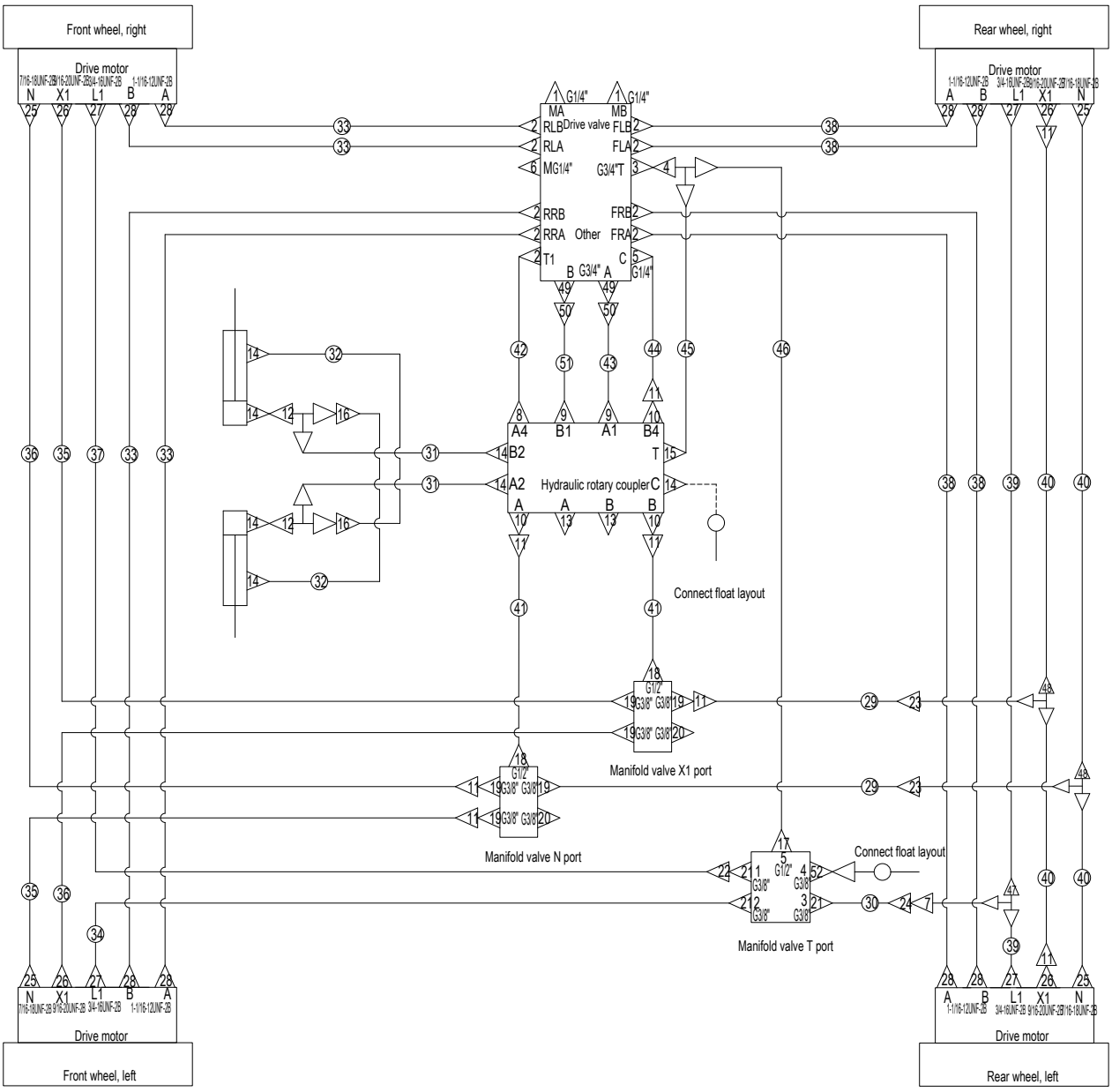
No.	Part No.	Qty.	Description
1	202990003109	1	Dividing-combining valve
2	202990003110	2	Dividing-combining valve
3	202990003108	1	Flushing valve
4	202990003272	1	Shuttle valve
5	202040003278	5	Check valve
6	202990003051	2	Check valve
7	202990003273	1	Relief valve
8	202130003015	1	Damper
9	202130000006	2	Damper plug
10	202130003004	3	Damper
11	202130003007	1	Damper

6.1.1.5 Oscillate Multi-way Valve (PN.202040003026)



No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

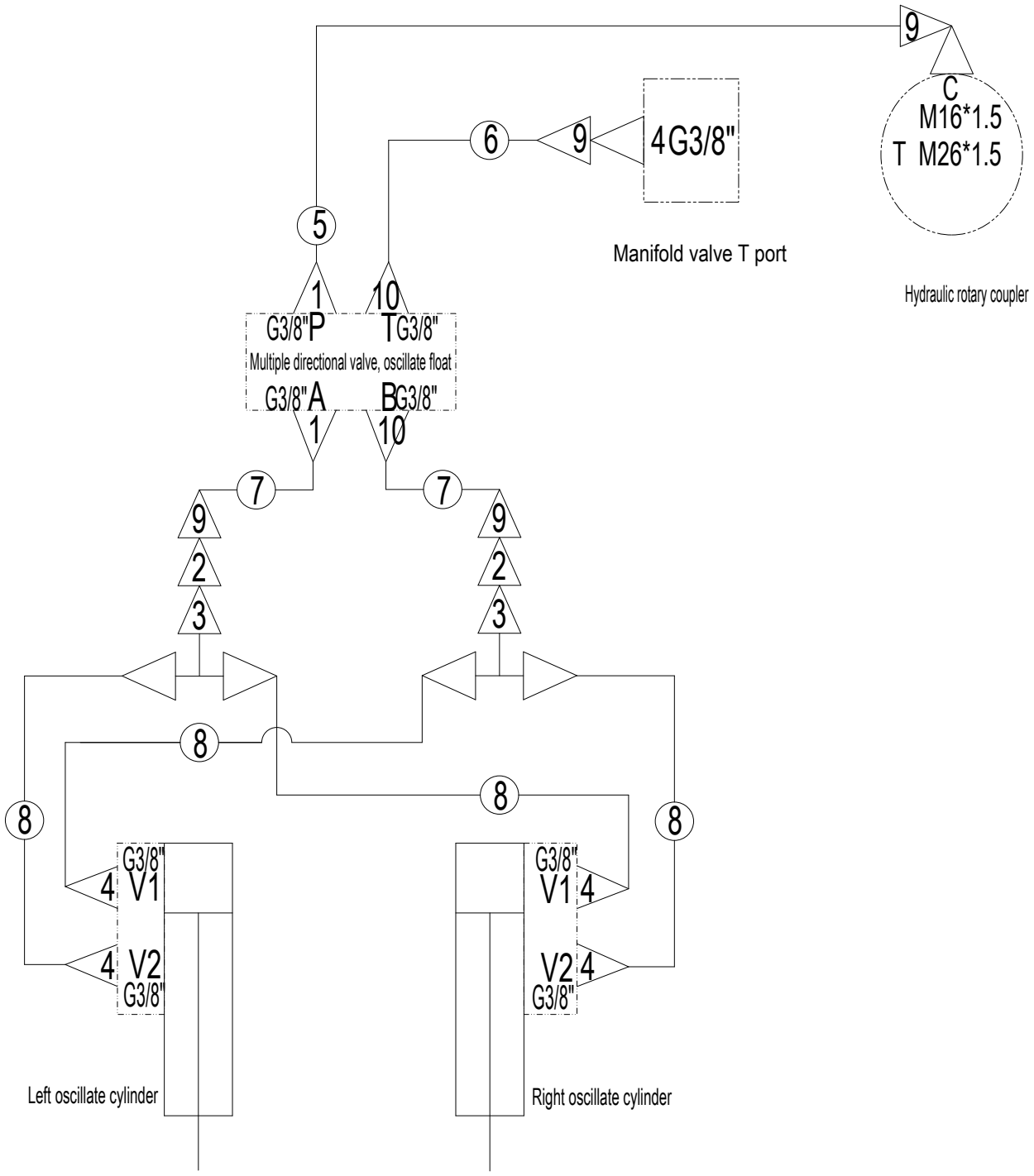
6.1.1.6 Travel Piping Diagram



No.	Part No.	Qty.	Description
	105050053002	1	Traction piping layout
1	213010000010	2	Coupler
2	213010000039	9	Coupler
3	213010000045	1	Coupler
4	213010000043	1	Coupler
5	213010000007	1	Fitting
6	213060000003	4	Plug
7	213010000170	1	Coupler
8	213010000065	1	Coupler
9	213010000052	2	Coupler
10	213010000202	3	Coupler
11	213010000024	8	Coupler
12	213010000032	2	Coupler
13	213060000002	2	Plug
14	213010000031	7	Coupler
15	213010000037	1	Coupler
16	213010000055	2	Coupler
17	213010000017	1	Coupler
18	213010000138	2	Coupler
19	213010000047	6	Fitting
20	213060000001	2	Plug
21	213010000003	3	Coupler
22	213010000008	1	Coupler
23	213010000139	2	Coupler
24	213010000110	1	Coupler
25	213010000013	4	Coupler
26	213010000144	4	Coupler
27	213010000106	4	Coupler
28	213010000152	8	Fitting
29	213050000256	2	Hose
30	213050000575	1	Hose
31	213050000411	2	Hose
32	213050000044	2	Hose
33	213050000492	4	Hose
34	213050000612	1	Hose
35	213050000608	2	Hose
36	213050000430	2	Hose

No.	Part No.	Qty.	Description
37	213050000610	1	Hose
38	213050000595	4	Hose
39	213050000613	2	Hose
40	213050000260	4	Hose
41	213050000196	2	Hose
42	213050000068	1	Hose
43	213050008056	1	Hose
44	213050000091	1	Hose
45	213050003364	1	Hose
46	213050000945	1	Hose
47	213010000241	1	Coupler
48	213010000158	2	Coupler
49	213010000018	2	Coupler
50	213010000056	2	Coupler
51	213050008057	1	Hose
52	213010000005	1	Coupler

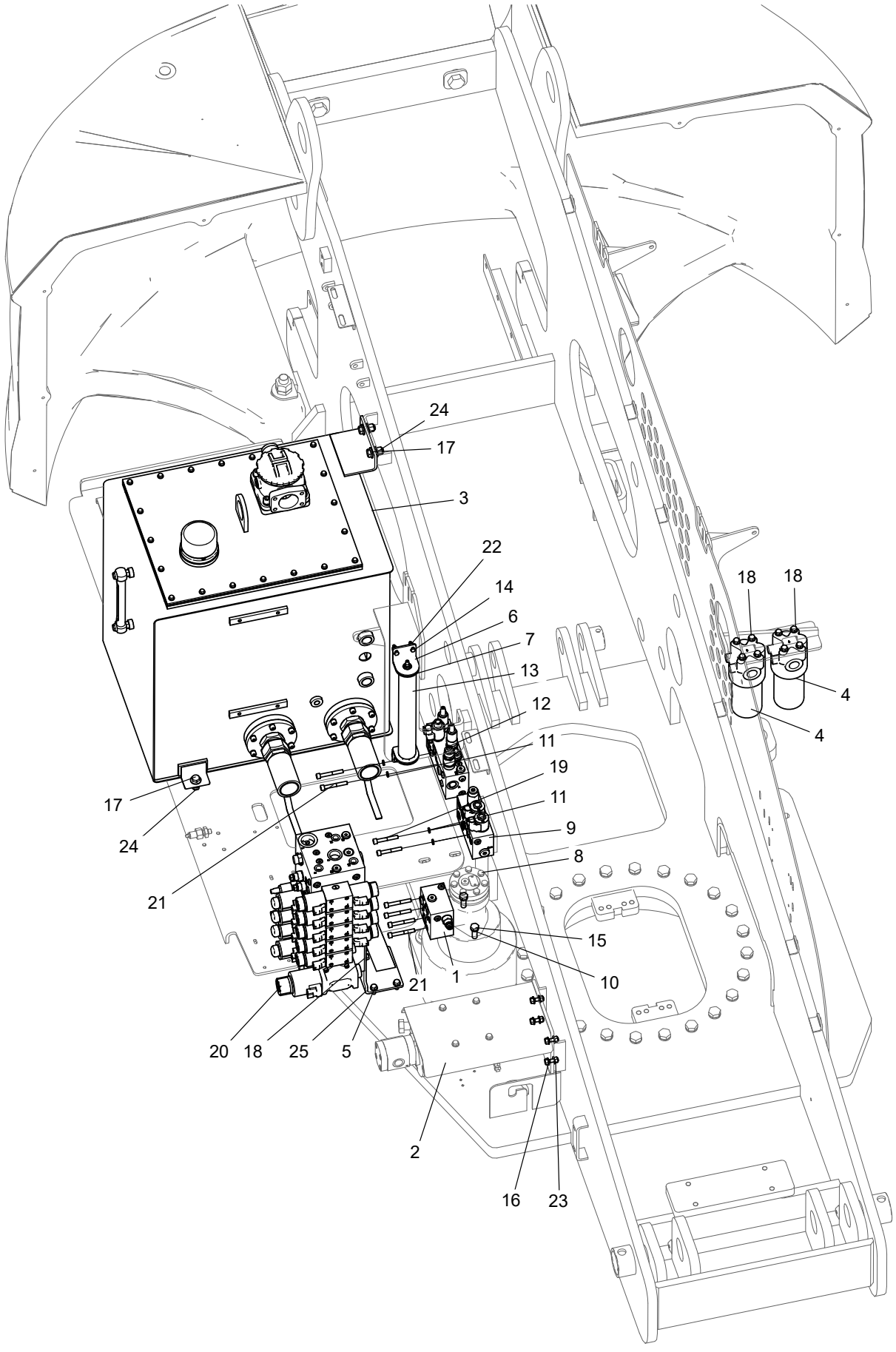
6.1.1.7 Oscillating Pipe Layout Drawing



No.	Part No.	Qty.	Description
	105050053005	1	Oscillate piping layout
1	213010000005	2	Coupler
2	213010000087	2	Coupler
3	213010000155	2	Coupler
4	213010000136	4	Coupler
5	213050003100	1	Hose
6	213050000385	1	Hose
7	213050000059	2	Hose
8	213050003072	4	Hose
9	213010000055	4	Coupler
10	213010003251	2	Coupler

6.1.2 TURNTABLE HYDRAULIC SYSTEM (WITHOUT HYDRAULIC GENERATOR)

6.1.2.1 Turntable Hydraulic Components Installation

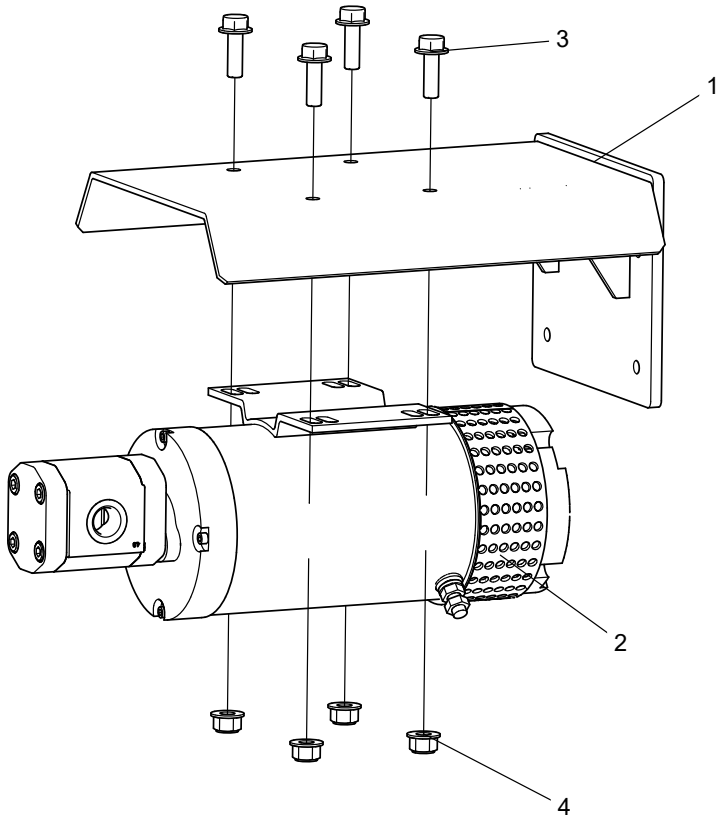


No.	Part No.	Qty.	Description
1	104019050017		Slewing buffer valve options
1-1	202040003061	1	Rotary Cushion Valve(1000176)
1-2	202040003257	1	Rotary buffer valve(1000282)
2	105074053141	1	Power unit installation
3	105025023414	1	Hydraulic tank assembly
4	105044053006	2	High pressure filter options
5	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
6	105050053010	2	Support
7	105074053108	2	Pad, shock
8	202020000005	1	Cycloid motor
9	105039050009		Brake/2-speed valve options
9-1	202040000006	1	Brake/2-speed control valve(12V)(1000176)
9-2	202040003258	1	Two speed/brake manifold(1000282)
10	215040000007	2	Washer 12-ZnD GB/T 93
11	215040000005	4	Washer 8-ZnD GB/T 93
12	202040003514	1	Oscillate control vlave
13	202090003002	1	Piston accumulator
14	215010000052	4	Bolt M6×25-A2-70 GB/T 5783
15	215010000092	2	Bolt M12×35-8.8-ZnD GB/T 5783
16	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
17	215010000243	4	Bolt M12×30-8.8-ZnD GB/T 5789
18	215010000286	12	Bolt M8×16-8.8-ZnD GB/T 5789
19	215020000036	2	Screw M8×55-10.9-DKL GB/T 70.1
20	105029050038		Boom function manifold options
20-1	202040003176	1	Boom function manifold(1000176)
20-2	202040003173	1	Boom function manifold(1000282)
21	215020000039	6	Screw M8×60-10.9-DKL GB/T 70.1
22	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
23	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
24	215030000110	4	Nut M12-8-ZnD GB/T 6183
25	105001020180	1	Bracket, boom function manifold

6.1.2.2 High-pressure Filter Options

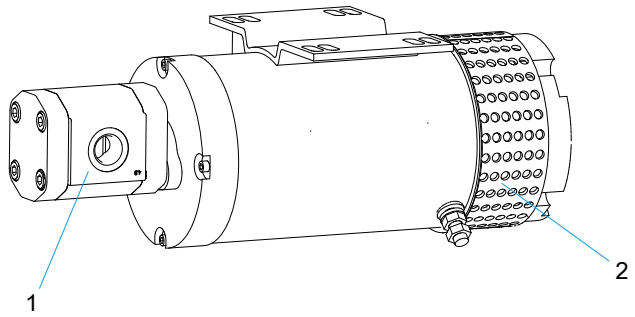
No.	Part No.	Qty.	Description
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element

6.1.2.3 Power Unit Installation



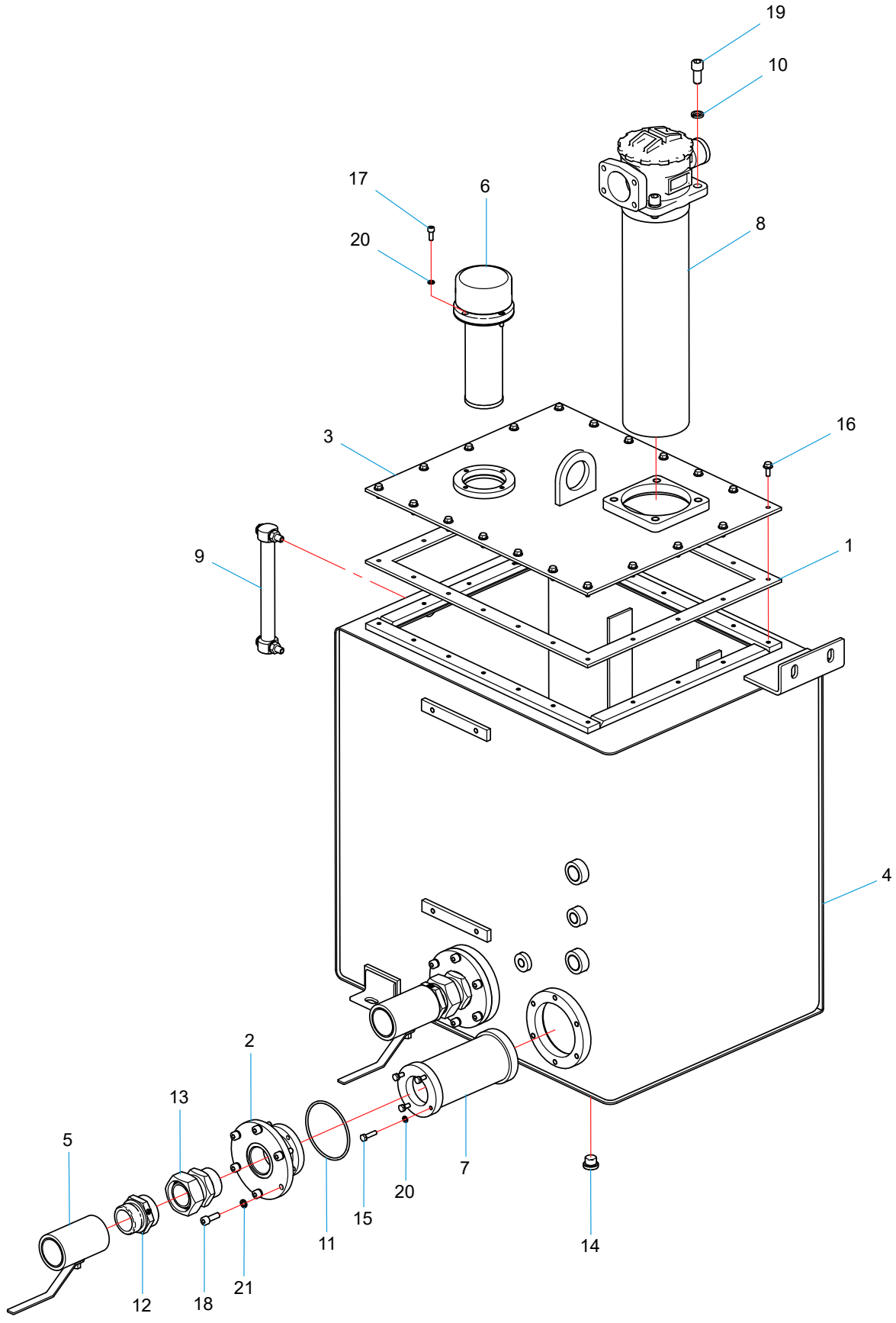
No.	Part No.	Qty.	Description
1	105001020254	1	Bracket
2	105074053142		Emergency power unit options
2-1	202010003090	1	Power unit(SC：1000631)
2-2	202010000041	1	Power unit, 12V(SC：1000250)
3	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
4	215030000108	4	Nut M8-8-ZnD GB/T 6183.1

6.1.2.4 Power unit(PN.202010000041)



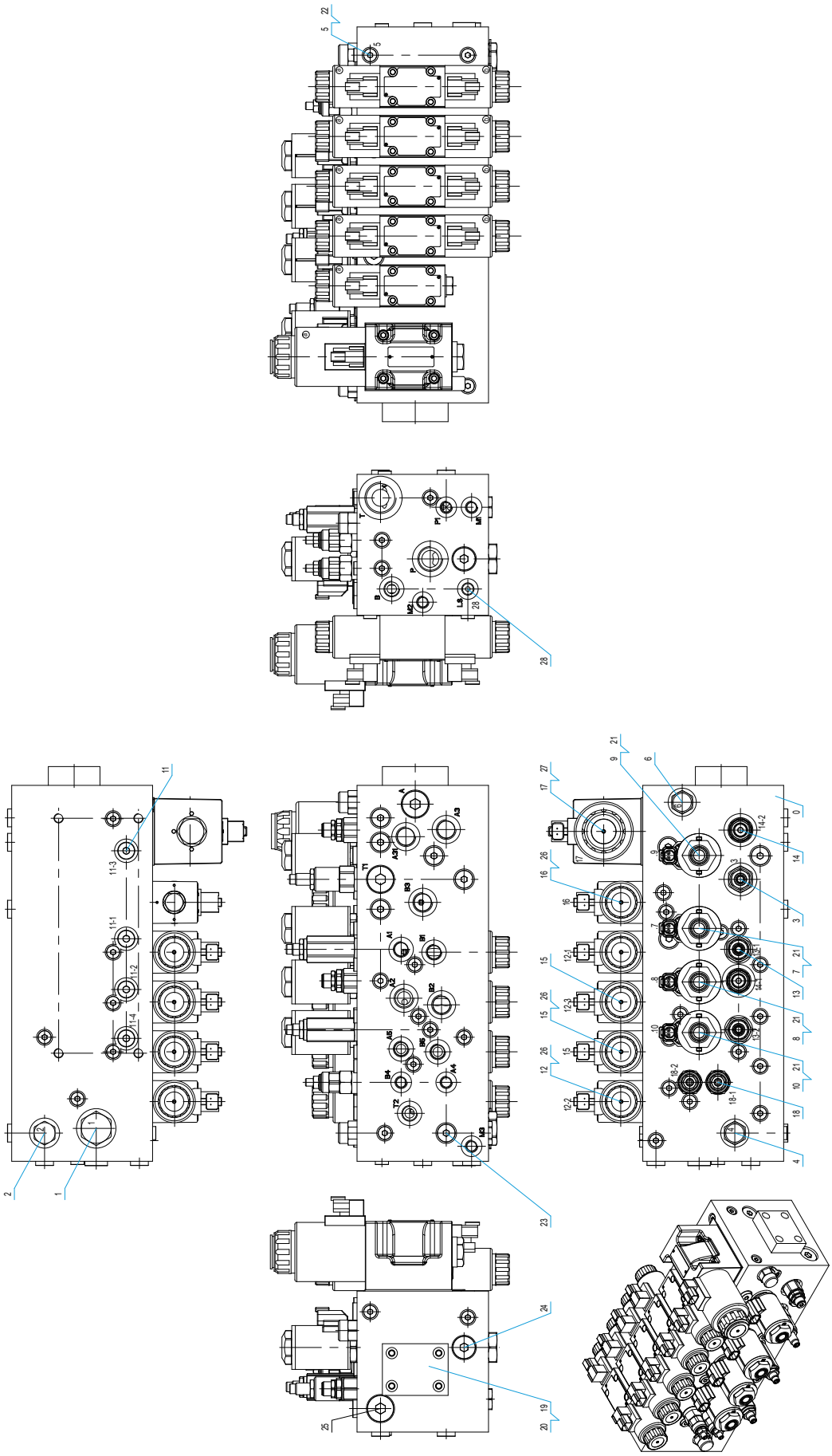
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.1.2.5 Hydraulic Tank Assembly (PN.105025023414)



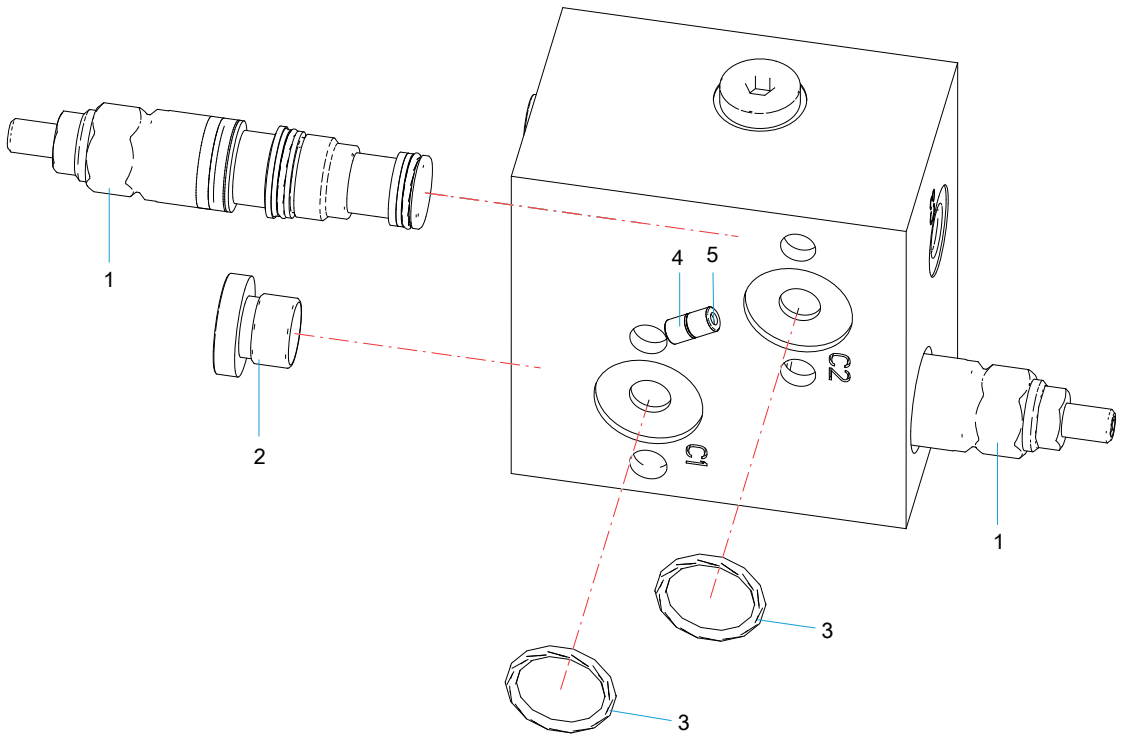
No.	Part No.	Qty.	Description
1	105001020021	1	Gasket, rubber
2	105001020024	2	Flange
3	105025023415	1	Cover
4	105025023417	1	Housing
5	202040000017	2	Valve
6	202070003014	1	Air filter
6a	202070003015	1	Filter element
7	202080000004	2	Oil suction filter
8	202080000005	1	Return filter
8a	202080003012	1	Filter element
9	202120000004	1	Level gauge
10	215040000007	4	Washer 12-ZnD GB/T 93
11	207040003004	2	O-ring
12	213010000058	2	Coupler
13	213010000059	2	Coupler
14	213060000006	1	Plug
15	215010000052	8	Bolt M6×25-A2-70 GB/T 5783
16	215010000230	20	Bolt M6×16-8.8-ZnD GB/T 5789
17	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
18	215020000024	12	Screw M8×25-8.8-ZnD GB/T 70.1
19	215020000072	4	Screw M12×25-8.8-ZnD GB/T 70.1
20	215040000004	12	Washer 6-A2-70 GB/T 93
21	215040000005	12	Washer 8-ZnD GB/T 93

6.1.2.6 Boom Function Manifold (PN.202040003176)



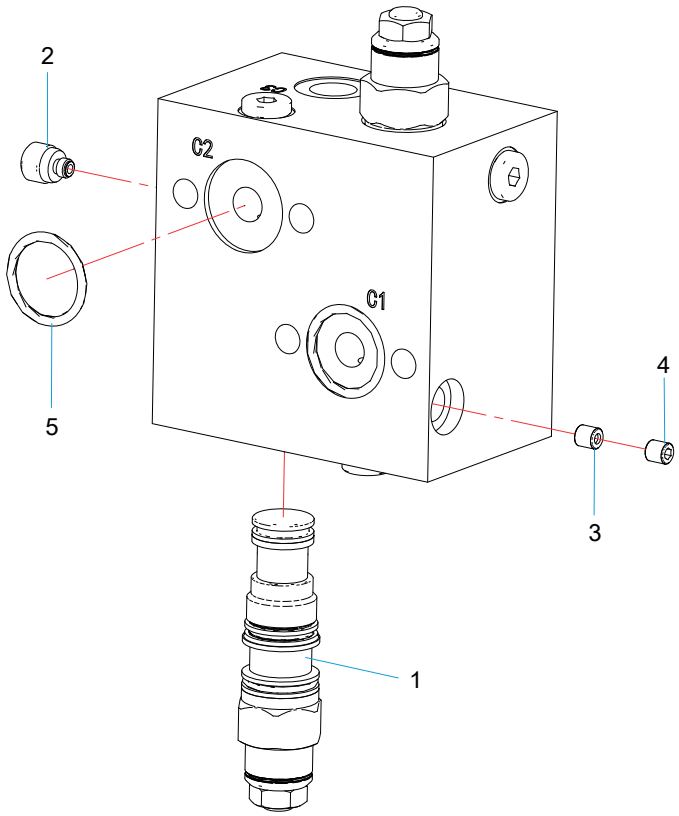
No.	Part No.	Qty.	Description
1	202990003146	1	Check Valves
2	202990003071	1	Check valve
3	202040003205	1	Relief valve
4	202990003147	1	Compensator valve
5	202130000008	1	Damper plug
6	202040003206	1	Flow valve
7	202990000009	1	Spool
8	202990000007	2	Spool
19	202130003003	1	Damper
10	202990000005	1	Spool
11	202040000410	4	Check valve
12	202990003148	3	Solenoid directional valve
13	202040003151	2	Relief valve
14	202990000011	2	Spool
15	202990003170	1	Solenoid directional valve
16	202990003149	1	Solenoid directional valve
17	202990003150	1	Solenoid directional valve
18	202040003207	2	Spool
28	202990000038	4	Coil

6.1.2.7 Rotary Cushion Valve (PN.202040003061)



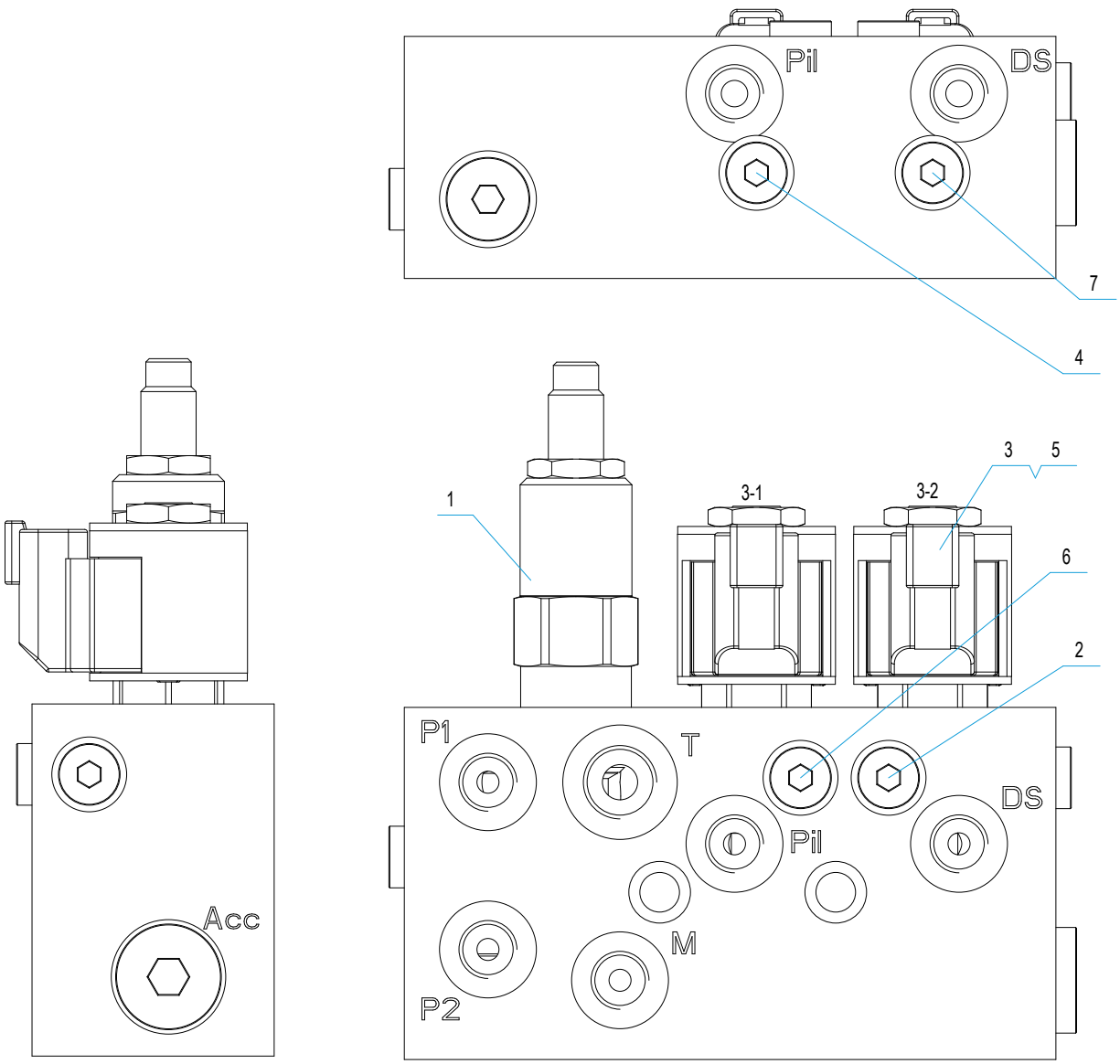
No.	Part No.	Qty.	Description
1	202990003036	2	Counterbalance valve spool
2	202990003063	1	Shuttle valve
3	207040003051	2	O-ring
4	202130003004	1	Damper
5	202130003003	1	Damper

6.1.2.8 Rotary buffer valve(PN.202040003257)



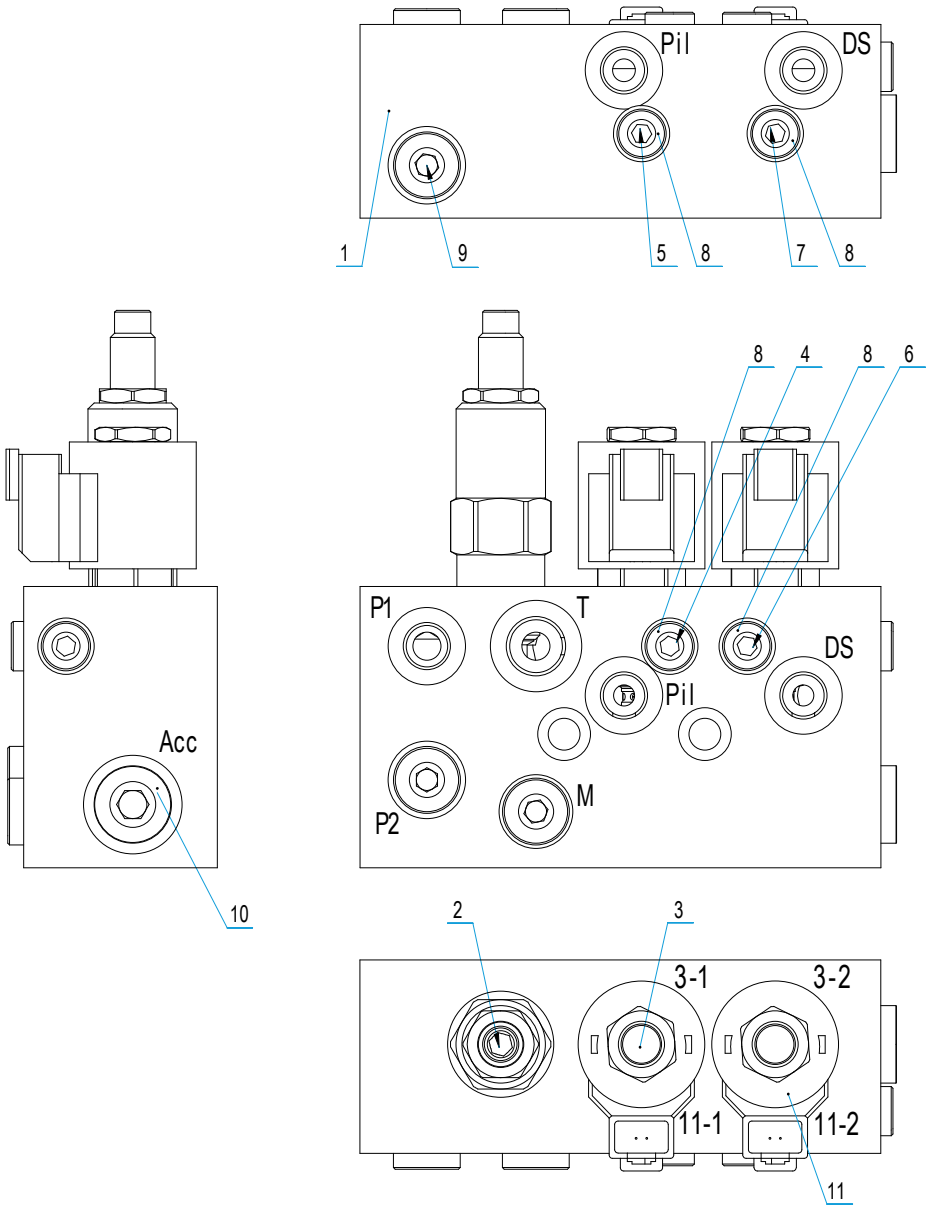
No.	Part No.	Qty.	Description
1	202990003274	2	Balance valve
2	202990003062	1	Shuttle valve
3	202130003003	1	Damper
4	202130003004	1	Damper
5	207040003051	2	O-ring

6.1.2.9 Brake/2-speed Control Valve (PN.202040000006)



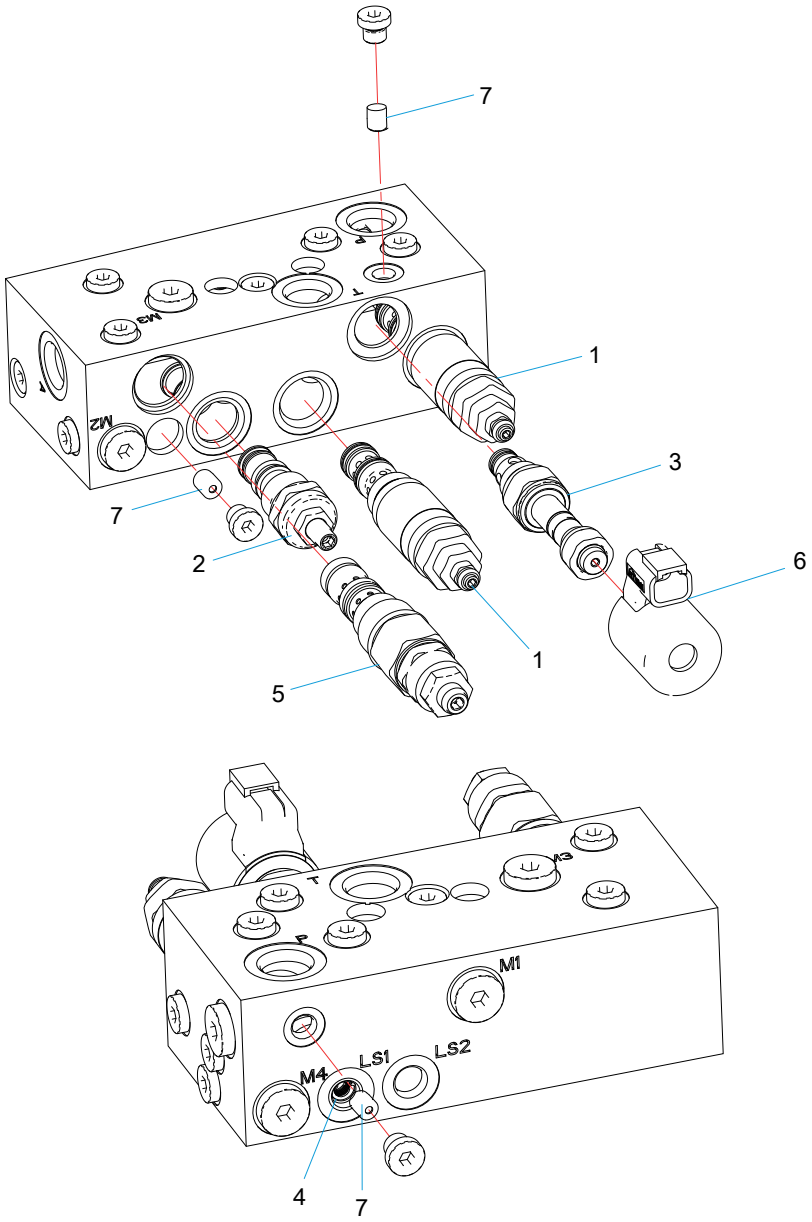
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.1.2.10 Brake/2-speed Control Valve (PN.202040003258)



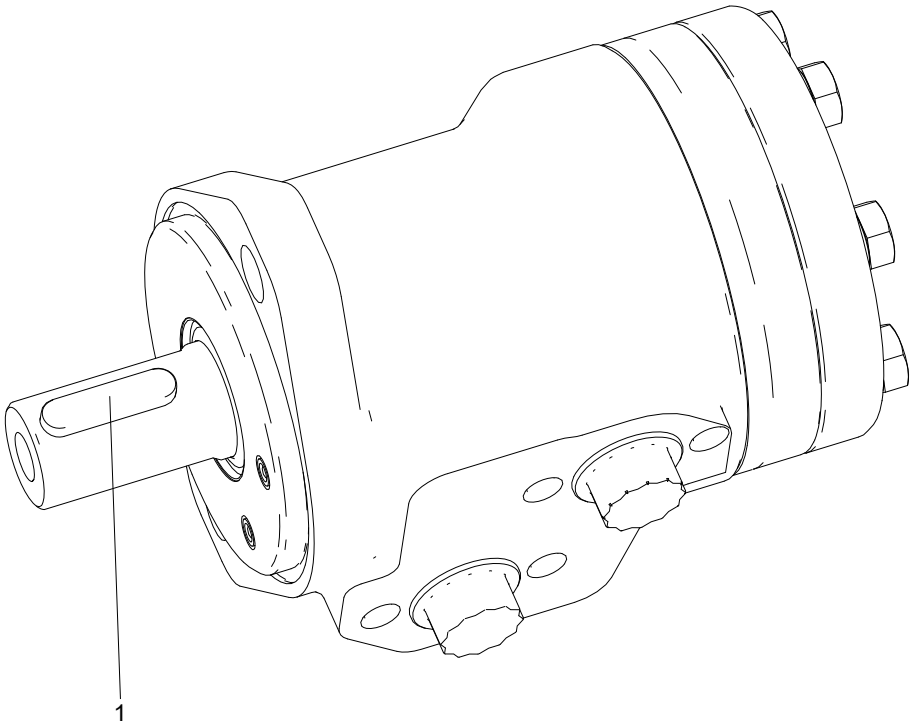
No.	Part No.	Qty.	Description
2	202990003735	1	Pressure relief valve
3	202990003736	2	Electric valve
4	202130003015	1	Damper
5	202130000004	1	Plug
6	202130000008	1	Damper plug
7	202130000001	1	Damper
11	202990003242	2	Coil

6.1.2.11 Oscillate Control Valve (PN.202040003514)



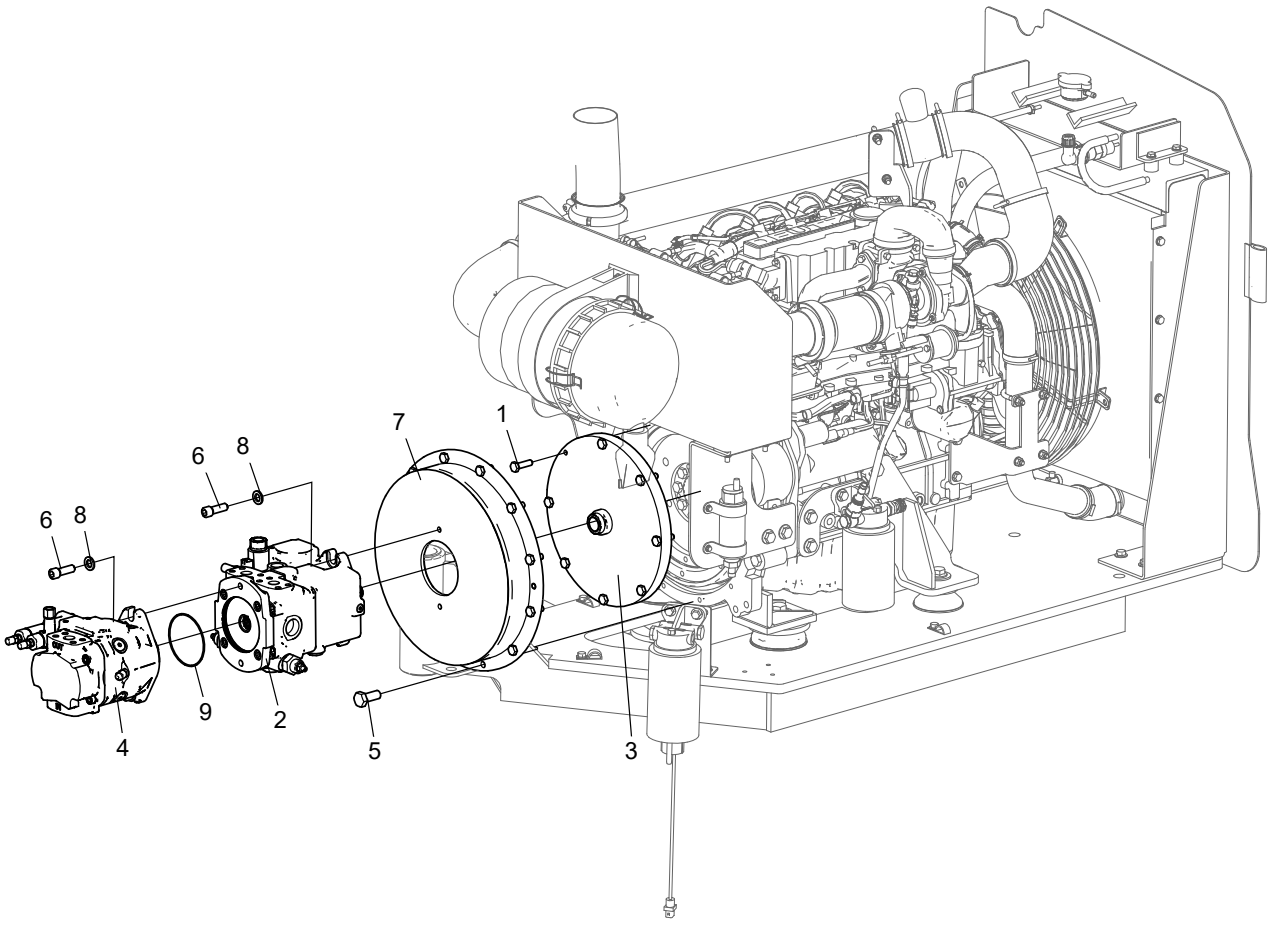
No.	Part No.	Qty.	Description
1	202040003345	2	Pressure reducing valve
2	202040003353	1	Flow valve
3	202990003453	1	Electric valve
4	202990003154	1	Shuttle valve
5	202040003346	1	Hydraulic controlled valve
6	202990003144	1	Coil
7	202130003003	3	Damper

6.1.2.12 Cycloid Motor (PN.202020000005)



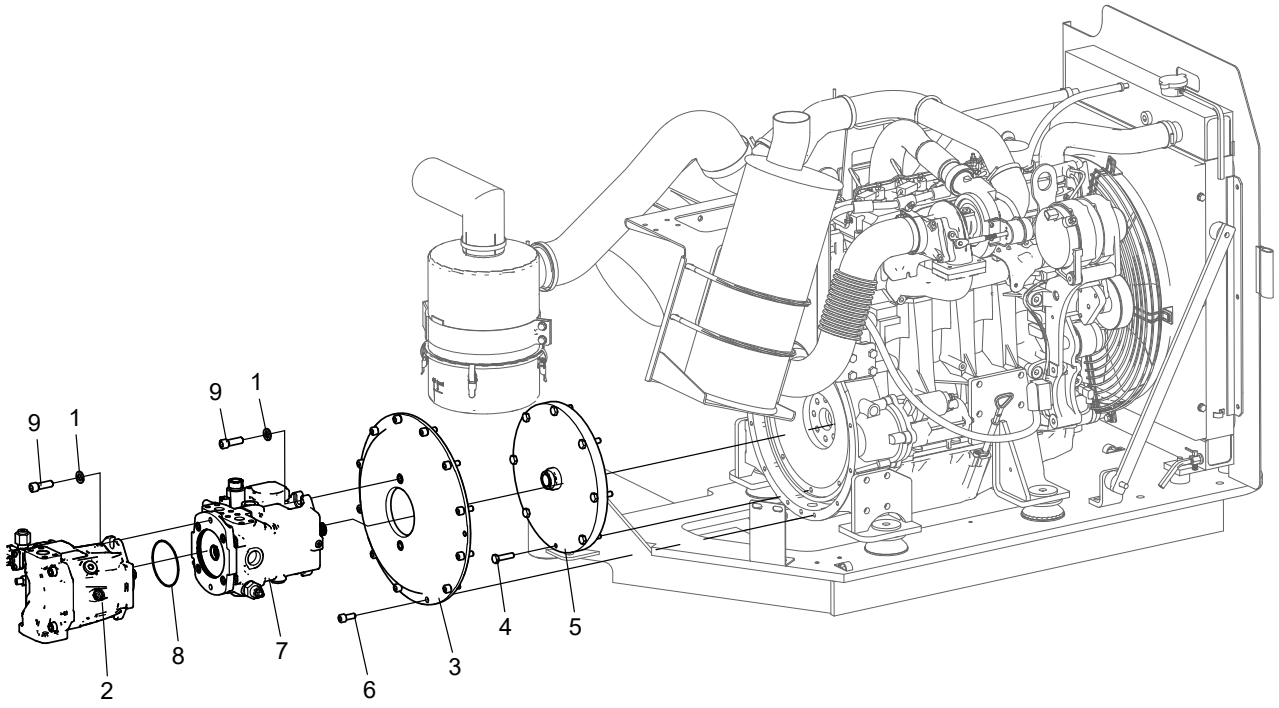
No.	Part No.	Qty.	Description
1	204200003000	1	Flat key
2	207990003032	1	Seal kit, Cycloid motor(Not shown)

6.1.2.13 Deutz Oil Pump Transmission



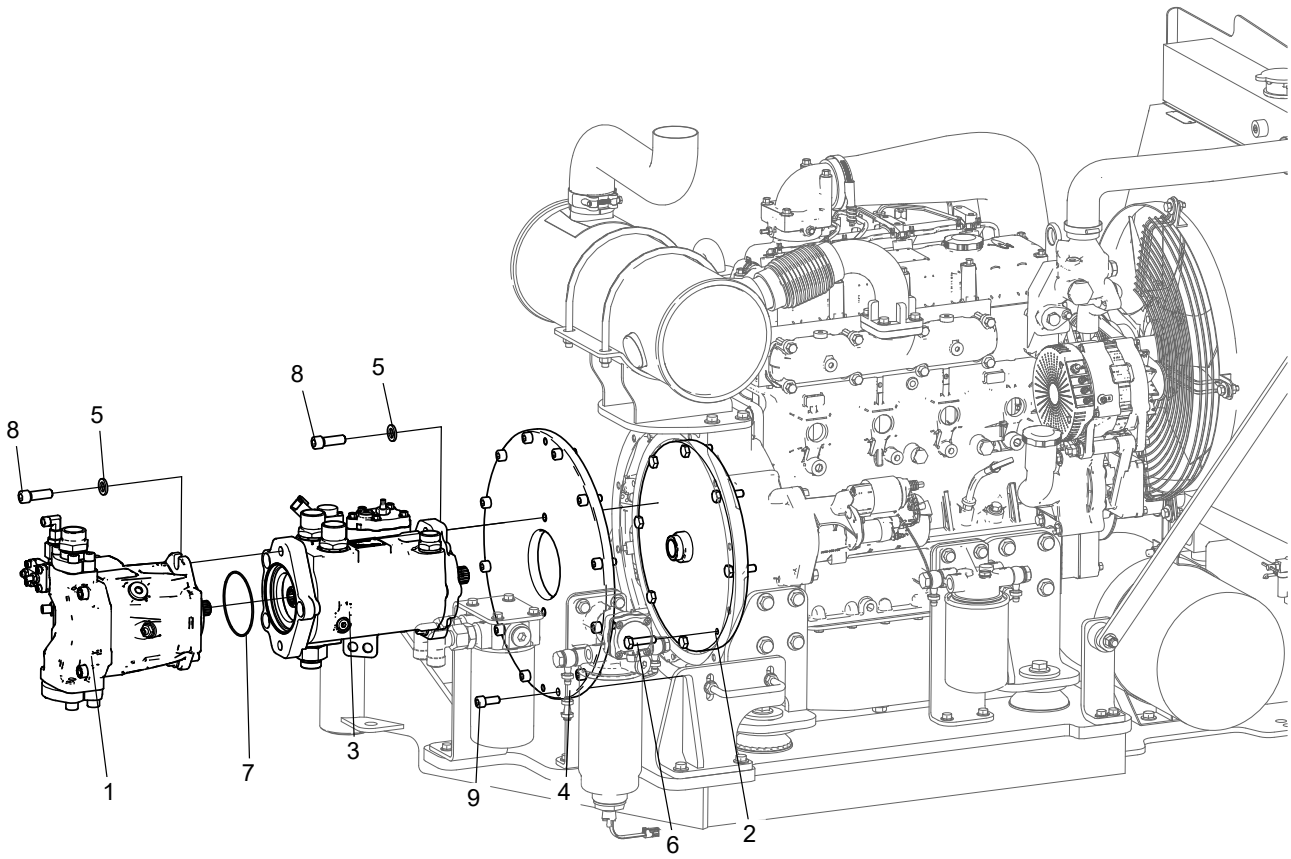
No.	Part No.	Qty.	Description
1	215010000073	8	Bolt M10×35-8.8-ZnD GB/T 5783
2	105001050065	1	Closed variable displacement pump options
3	204040000002	1	Coupling
4	105060053048	1	Open variable pump optional
5	215010000069	12	Bolt M10×25-8.8-ZnD GB/T 5783
6	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
7	105017050003	1	Flange
8	215040000051	4	Washer 12-DKL GB/T 1230
9	207040000060	1	O-ring

6.1.2.14 Cummis Oil Pump Transmission



No.	Part No.	Qty.	Description
1	215040000051	4	Washer 12-DKL GB/T 1230
2	105060053048	1	Open variable pump optional
3	105029023042	1	Flange
4	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
5	204040000002	1	Coupling
6	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1
7	105001050065	1	Closed variable displacement pump options
8	207040000060	1	O-ring
9	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3

6.1.2.15 YUCHAI Oil Pump Transmission



No.	Part No.	Qty.	Description
1	105060053048		Open variable pump optional
1-1	202010003068	1	Open variable-displacement pump(1000107)
1-1a	207990003119	1	Seal kit, open-circuit pump
1-2	202010000044	1	Open variable-displacement pump(1000054)
1-2a	207990003105	1	Seal kit, open-circuit pump
2	204040000002	1	Coupling
3	105001050065		Closed variable displacement pump options
3-1	202010000054	1	Closed-circuit variable pump(1000107)
3-1a	207990003118	1	Seal kit, closed-circuit pump
3-2	202010000045	1	Closed-circuit variable pump(1000054)
3-2a	207990003106	1	Seal kit,Closed-circuit pump
4	105056023129	1	Flange
5	215040000051	4	Washer 12-DKL GB/T 1230
6	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
7	207040000060	1	O-ring
8	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
9	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1

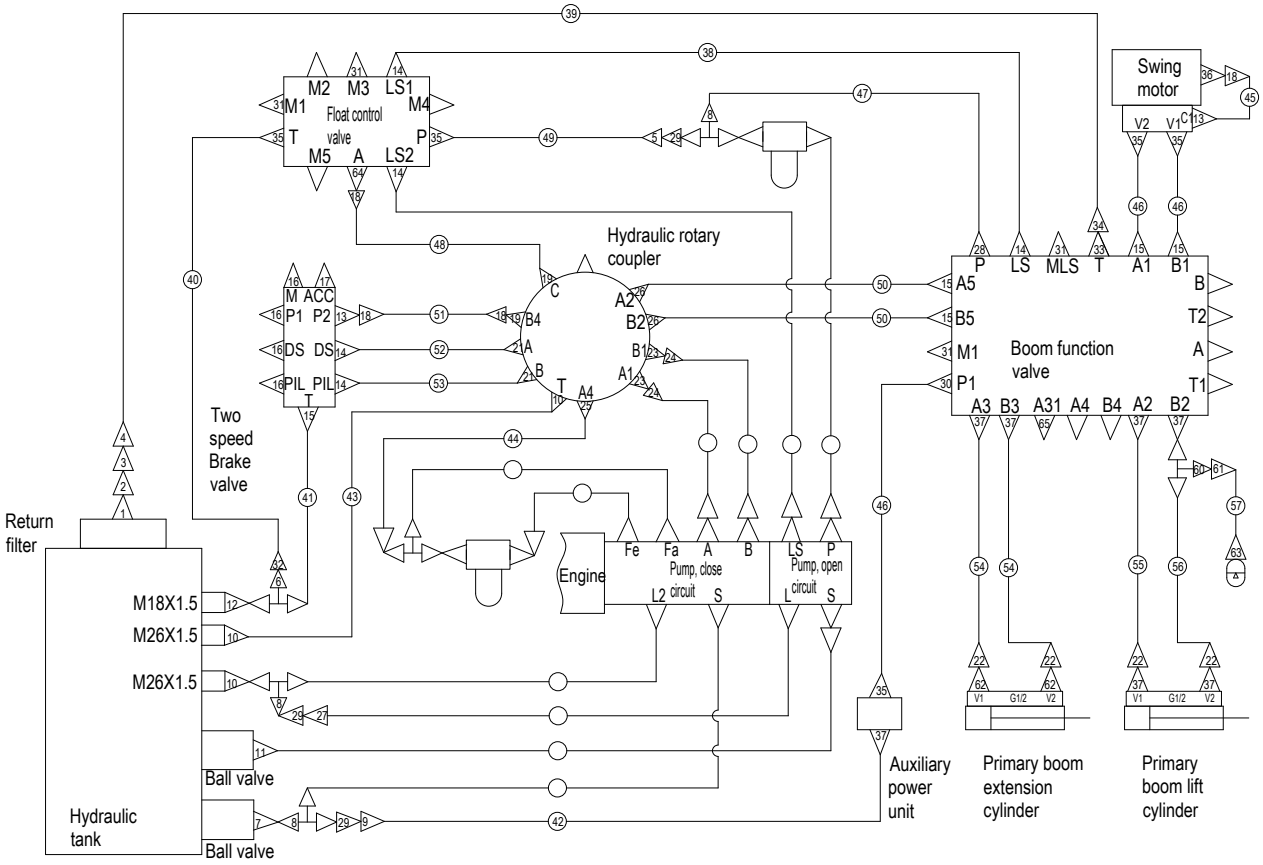
6.1.2.16 Closed Variable Displacement Pump Options

No.	Part No.	Qty.	Description
1	202010000006	1	Closed-circuit variable pump(1000238)
2	202010000005	1	Closed-circuit variable pump(1000188)
3	202010000054	1	Closed-circuit variable pump(1000857)
3a	207990003118	1	Seal kit, closed-circuit pump
4	202010000045	1	Closed-circuit variable pump(1000054)
4a	207990003106	1	Seal kit,Closed-circuit pump

6.1.2.17 Open Variable Pump Options

No.	Part No.	Qty.	Description
1-1	202010000044	1	Open variable-displacement pump(1000054)
1-1a	207990003105	1	Seal kit, open-circuit pump
1-2	202010003068	1	Open variable-displacement pump(1000857)
1-2a	207990003119	1	Seal kit, open-circuit pump

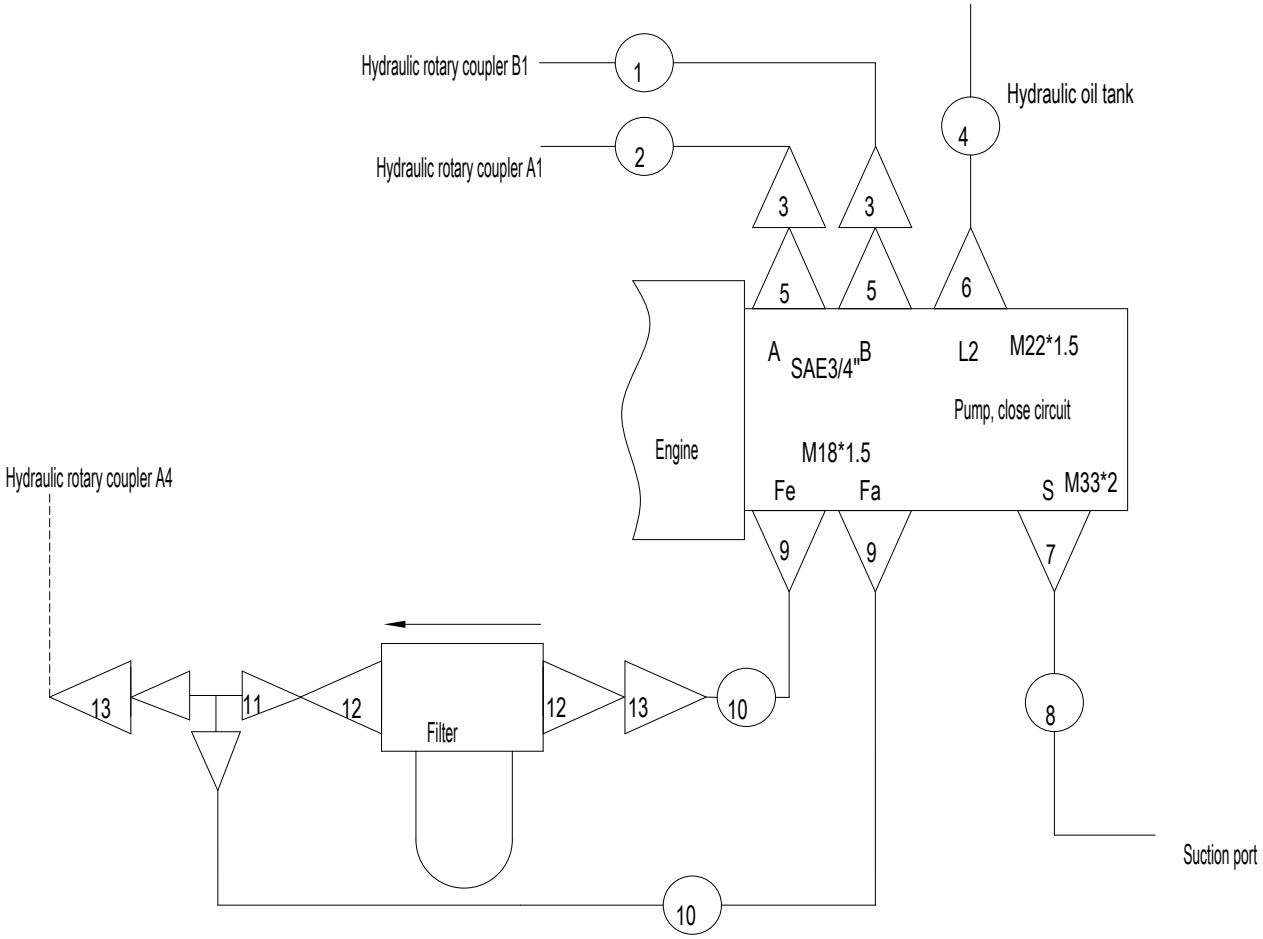
6.1.2.18 Turntable Tubes Layout



No.	Part No.	Qty.	Description
	105050053003	1	Turntable piping layout
1	207040000017	1	O ring 53×3.55 GB/T 3452.1
2	215040000006	4	Washer 10-ZnD GB/T 93
3	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
4	104008050035	1	Fitting, flange
5	213010000046	1	Coupler
6	213010000032	1	Coupler
7	105001050002	1	Fitting
8	213010000043	3	Coupler
9	213010000098	1	Coupler
10	213010000037	3	Coupler
11	105001050011	1	Fitting
12	213010000086	1	Coupler
13	213010000012	2	Coupler
14	213010000007	4	Fitting
15	213010000005	5	Coupler
16	213060000003	4	Plug
17	213060000001	1	Plug
18	213010000009	4	Coupler
19	213010000049	2	Coupler
21	213010000202	2	Coupler
22	213010000008	4	Coupler
23	213010000030	2	Coupler
24	213010000022	2	Coupler
25	213010000065	1	Coupler
26	213010000031	2	Coupler
27	213010000104	1	Coupler
28	213010000045	1	Coupler
29	213010000041	3	Coupler
30	213010000036	1	Coupler
31	213010000010	4	Coupler
32	213010000055	1	Coupler
33	213010000148	1	Coupler
34	213010000164	1	Coupler
35	213010000038	5	Coupler
36	213010000057	1	Coupler
37	213010000039	7	Coupler

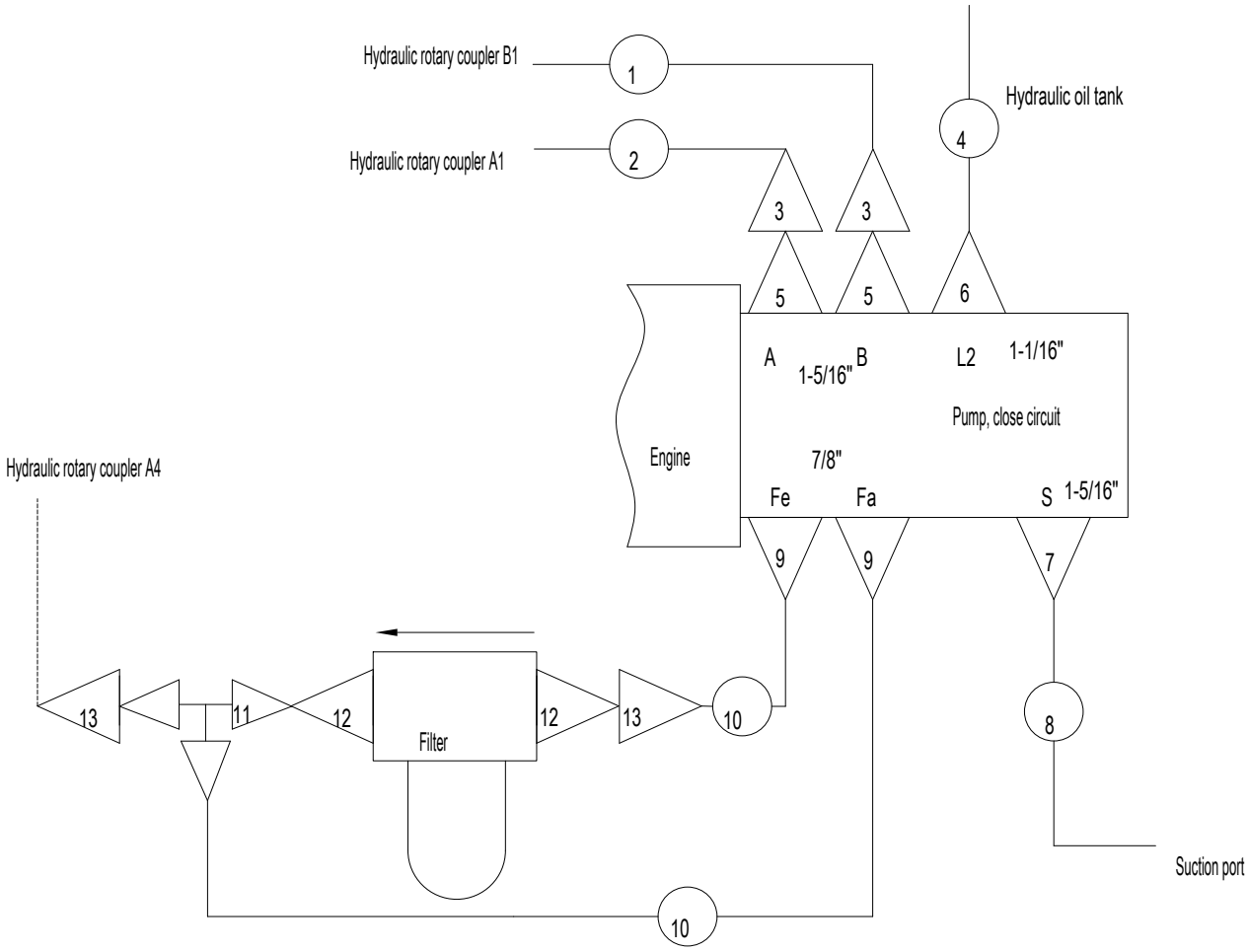
No.	Part No.	Qty.	Description
38	213050000621	1	Hose
39	213050003357	1	Hose
40	213050001461	1	Hose
41	213050000385	1	Hose
42	213050000336	1	Hose
43	213050000628	1	Hose
44	213050003057	1	Hose
45	213050003232	1	Hose
46	213050000032	3	Hose
47	213050000737	1	Hose
48	213050014713	1	Hose
49	213050000254	1	Hose
50	213050000048	2	Hose
51	213050000143	1	Hose
52	213050000393	1	Hose
53	213050000616	1	Hose
54	213050000526	2	Hose
55	213050000598	1	Hose
56	213050000492	1	Hose
57	213050000196	1	Hose
58	105050053006		Closed variable displacement pump piping layout options
58-1	105050053008	1	Piping layout, closed variable displacement pump
58-2	105068053055	1	Closed variable displacement pump piping layout options
59	105050053007		Open variable displacment pump piping layout option
59-1	105050053009	1	Piping layout, open variable displacement pump
59-2	105068053060	1	Piping layout, open variable displacement pump
60	213010000078	1	Coupler
61	213010000160	1	Coupler
62	213010000003	2	Coupler
63	213010000144	1	Coupler
64	213010000125	1	Fitting
65	213060000007	1	Plug

6.1.2.19 Closed Pump (PN.202010000045) Tubes Layout



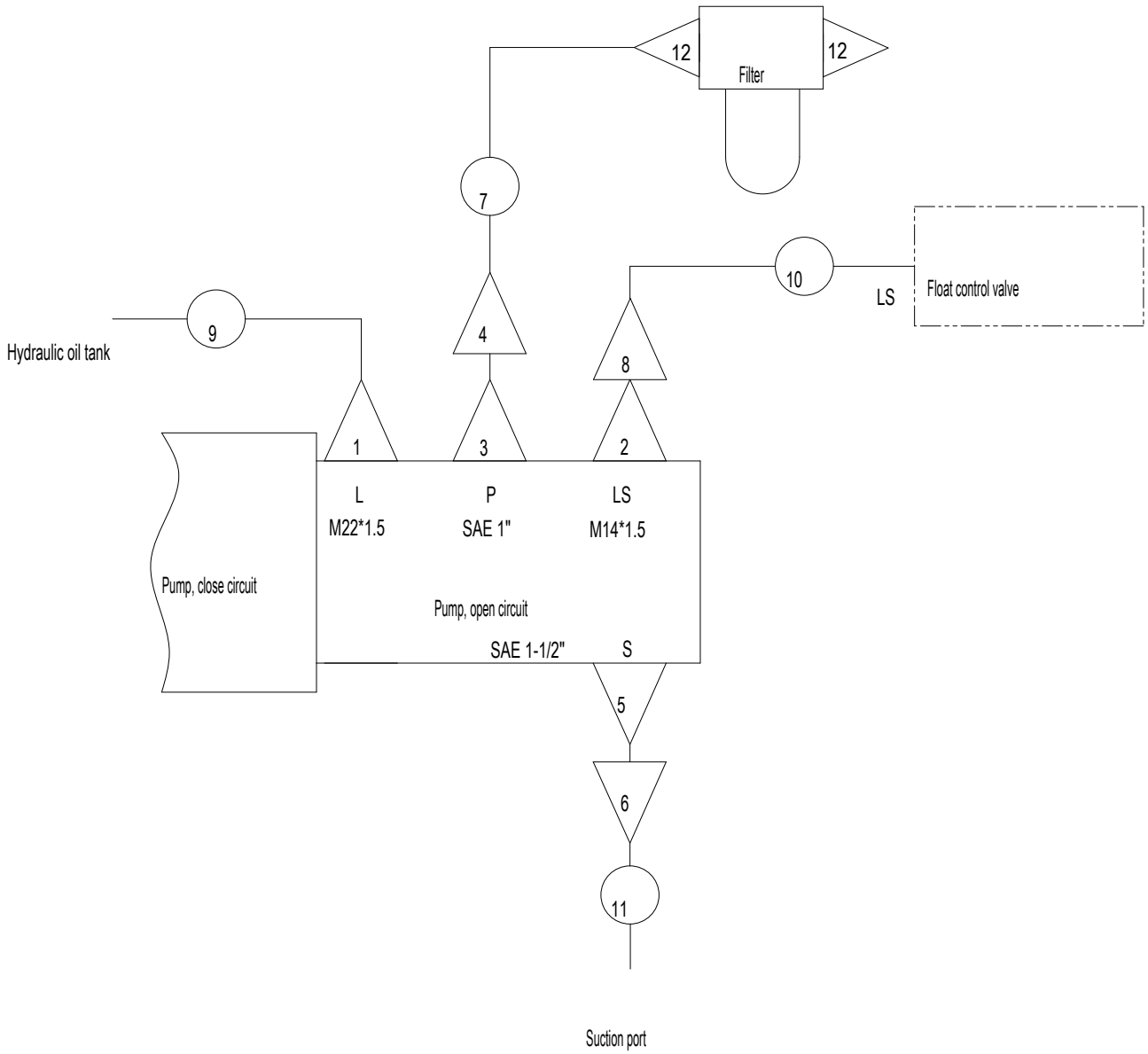
No.	Part No.	Qty.	Description
	105068053055	1	Closed variable displacement pump piping layout options
1	213050000042	1	Hose
2	213050000020	1	Hose
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213050000644	1	Hose
5	213030000018	2	Flange
6	213010000168	1	Coupler
7	213010000103	1	Coupler
8	213050000861	1	Hose
9	213010000108	2	Coupler
10	213050001000	2	Hose
11	213010000078	1	Coupler
12	213010000014	2	Coupler
13	213010000008	2	Coupler

6.1.2.20 Closed Pump (PN.202010000054) Tubes Layout



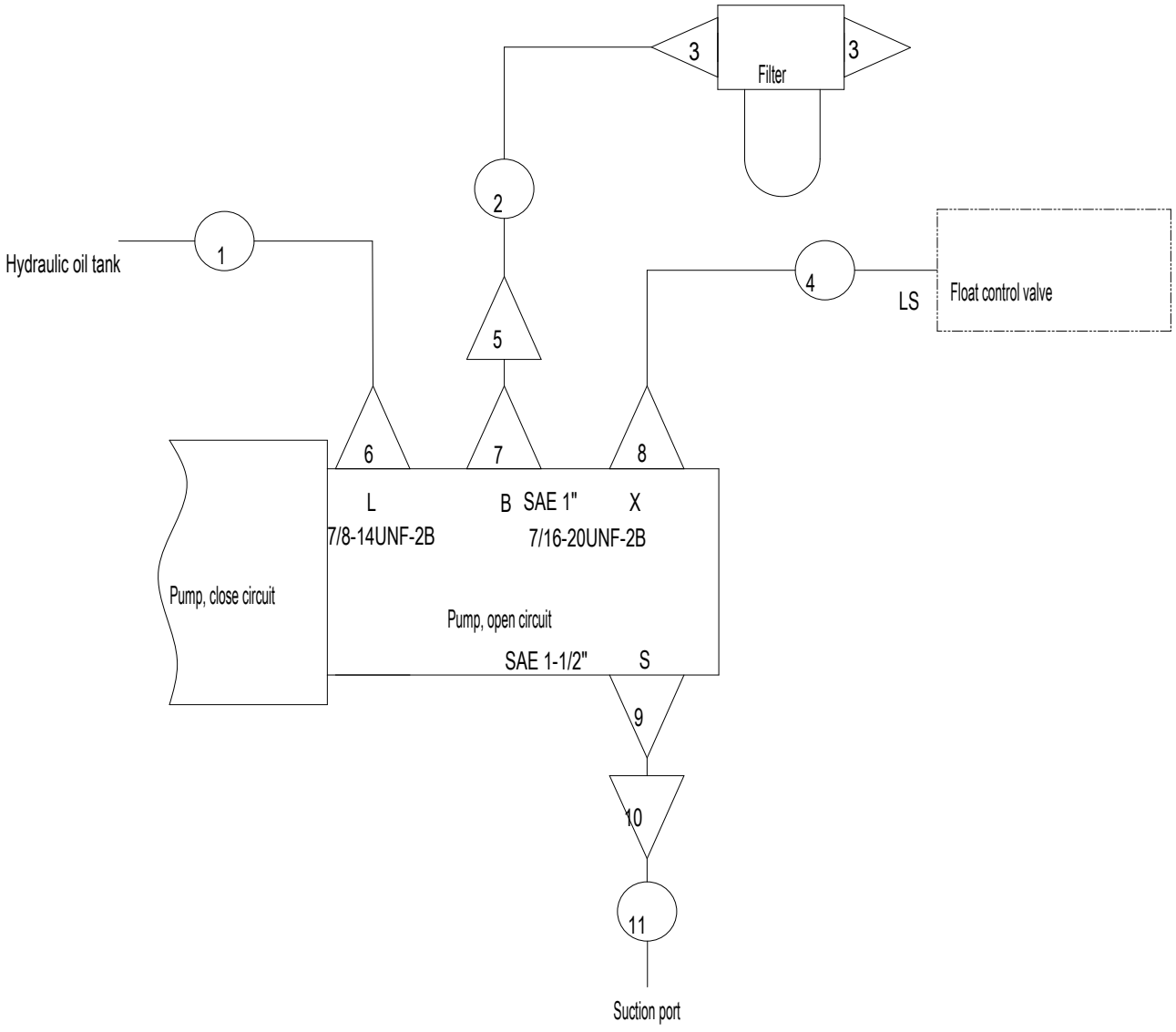
No.	Part No.	Qty.	Description
	105050053008	1	Piping layout, closed variable displacement pump
1	213050000042	1	Hose
2	213050000020	1	Hose
3	213010000022	2	Coupler
4	213050000644	1	Hose
5	213010000027	2	Coupler
6	213010000029	1	Coupler
7	213010003017	1	Coupler
8	213050000861	1	Hose
9	213010000162	2	Coupler
10	213050001000	2	Hose
11	213010000078	1	Coupler
12	213010000014	2	Coupler
13	213010000008	2	Coupler

6.1.2.21 Open Pump (PN.202010000055) Tubes Layout



No.	Part No.	Qty.	Description
	105050053009	1	Piping layout, open variable displacement pump
1	213010000069	1	Coupler
2	213010000209	1	Coupler
3	213030000022	1	Flange
4	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1
5	213030000012	1	Flange
6	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
7	213050000742	1	Hose
8	213010000024	1	Coupler
9	213050003103	1	Hose
10	213050000749	1	Hose
11	213050000527	1	Hose
12	213010000045	2	Coupler

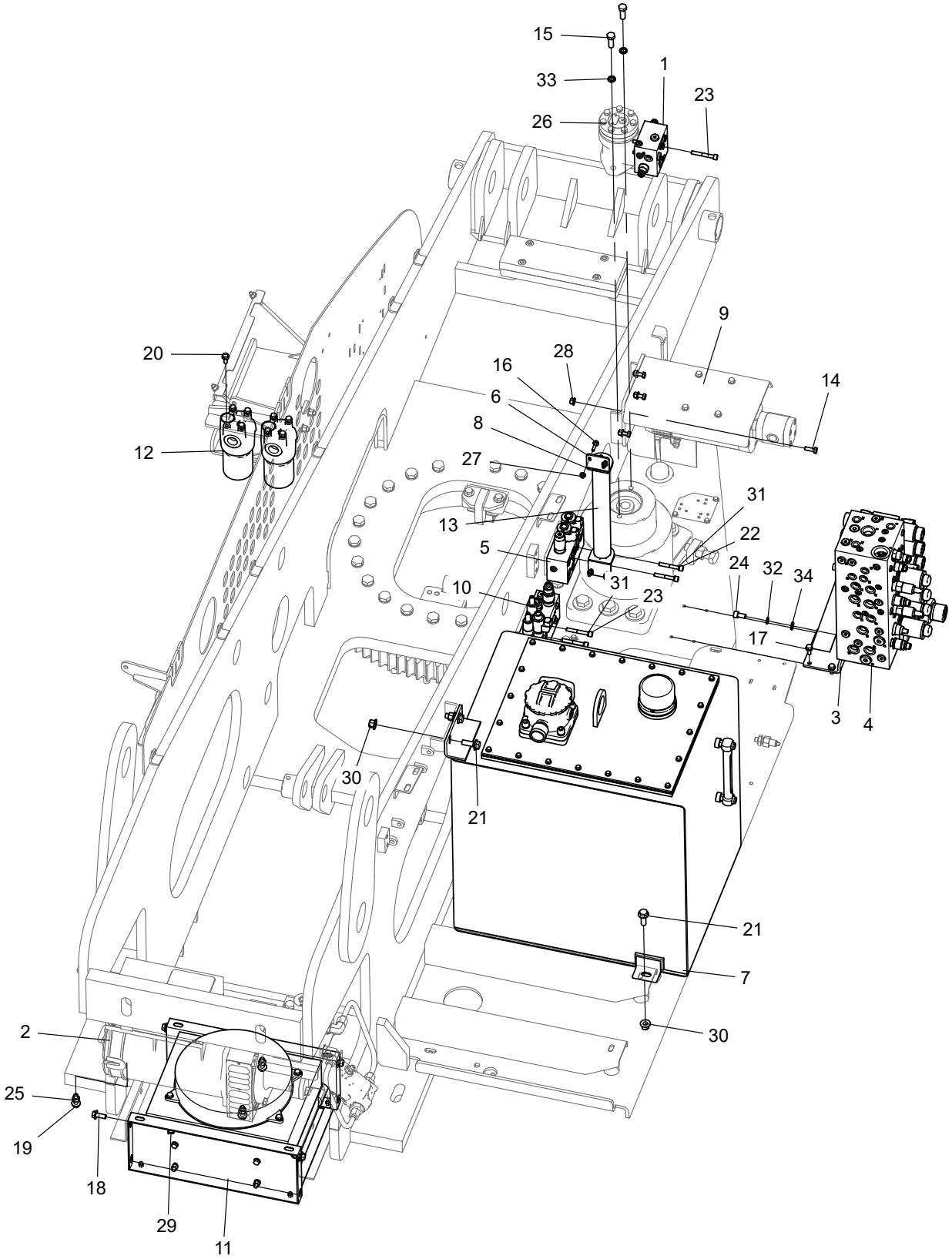
6.1.2.22 Open Pump (PN.202010000044) Tubes Layout



No.	Part No.	Qty.	Description
	105068053060	1	Piping layout, open variable displacement pump
1	213050003103	1	Hose
2	213050000742	1	Hose
3	213010000045	1	Coupler
4	213050000749	1	Hose
5	215080000002	4	Hexagon socket head cap screw 3/8-16UNC-1-GR8-DKL ASME B18.3
6	213010000159	1	Coupler
7	213030000022	1	Flange
8	213010000013	1	Coupler
9	213030000012	1	Flange
10	215080000003	4	Hexagon socket head cap screw 1/2-13UNC-1.25-GR8-DKL ASME B18.3
11	213050000527	1	Hose

6.1.3 TURNTABLE HYDRAULIC SYSTEM (WITH HYDRAULIC GENERATOR)

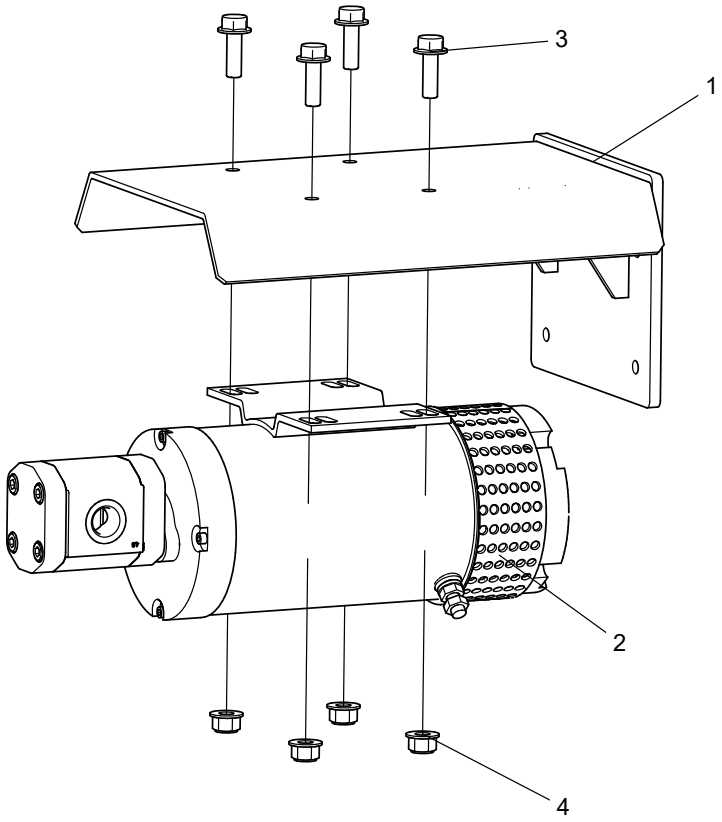
6.1.3.1 Turntable Hydraulic Components Installation



No.	Part No.	Qty.	Description
1	104019050017		Slewing buffer valve options
1-1	202040003061	1	Rotary Cushion Valve(1000176)
1-2	202040003257	1	Rotary buffer valve(1000282)
2	105050053035		Generator, options
2-1	203180003006	1	Hydraulic generator(Australia)(Australia)
2-2	203180003002	1	Hydraulic generator(North America)
3	105001020180	1	Bracket, boom function manifold
4	105029050038		Boom function manifold options
4-1	202040003173	1	Boom function manifold(1000282)
4-2	202040003176	1	Boom function manifold(1000176)
5	105039050009		Brake/2-speed valve options
5-1	202040000006	1	Brake/2-speed control valve(12V)(1000176)
5-2	202040003258	1	Two speed/brake manifold(1000282)
6	105050053010	2	Support
7	105050053202		Hydraulic tank assembly option
7-1	114006053087	1	Hydraulic tank assembly(without heater)
7-2	105050053191	1	Hydraulic tank assembly(with heater)
8	105074053108	2	Pad, shock
9	105074053141	1	Power unit installation
10	202040003514	1	Oscillate control vlave
11	202060003001	1	Oil cooler assembly
12	202080000046	2	High pressure filter
12a	202080000048	1	Filter element
13	202090003002	1	Piston accumulator
14	215010000058	4	Bolt M8×25-8.8-ZnD GB/T 5783
15	215010000092	2	Bolt M12×35-8.8-ZnD GB/T 5783
16	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
17	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
18	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
19	215010000239	3	Bolt M10×30-8.8-ZnD GB/T 5789
20	215010000264	8	Bolt M8×20-10.9-DKL GB/T 5789
21	215010000270	4	Bolt M12×35-10.9-DKL GB/T 5789
22	215020000036	2	Screw M8×55-10.9-DKL GB/T 70.1
23	215020000039	6	Screw M8×60-10.9-DKL GB/T 70.1
24	215020000048	4	Screw M10×20-8.8-ZnD GB/T 70.1
25	215030000006	3	Nut M10-8-ZnD GB/T 6170
26	202020000005	1	Cycloid motor
26a	207990003032	1	Seal kit, Cycloid motor

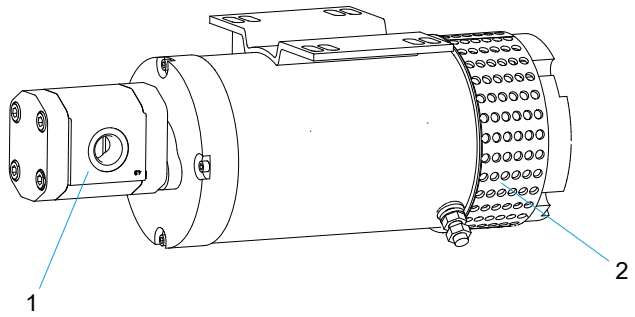
No.	Part No.	Qty.	Description
27	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
28	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
29	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
30	215030000110	4	Nut M12-8-ZnD GB/T 6183
31	215040000005	4	Washer 8-ZnD GB/T 93
32	215040000006	4	Washer 10-ZnD GB/T 93
33	215040000007	2	Washer 12-ZnD GB/T 93
34	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1

6.1.3.2 Power Unit Installation



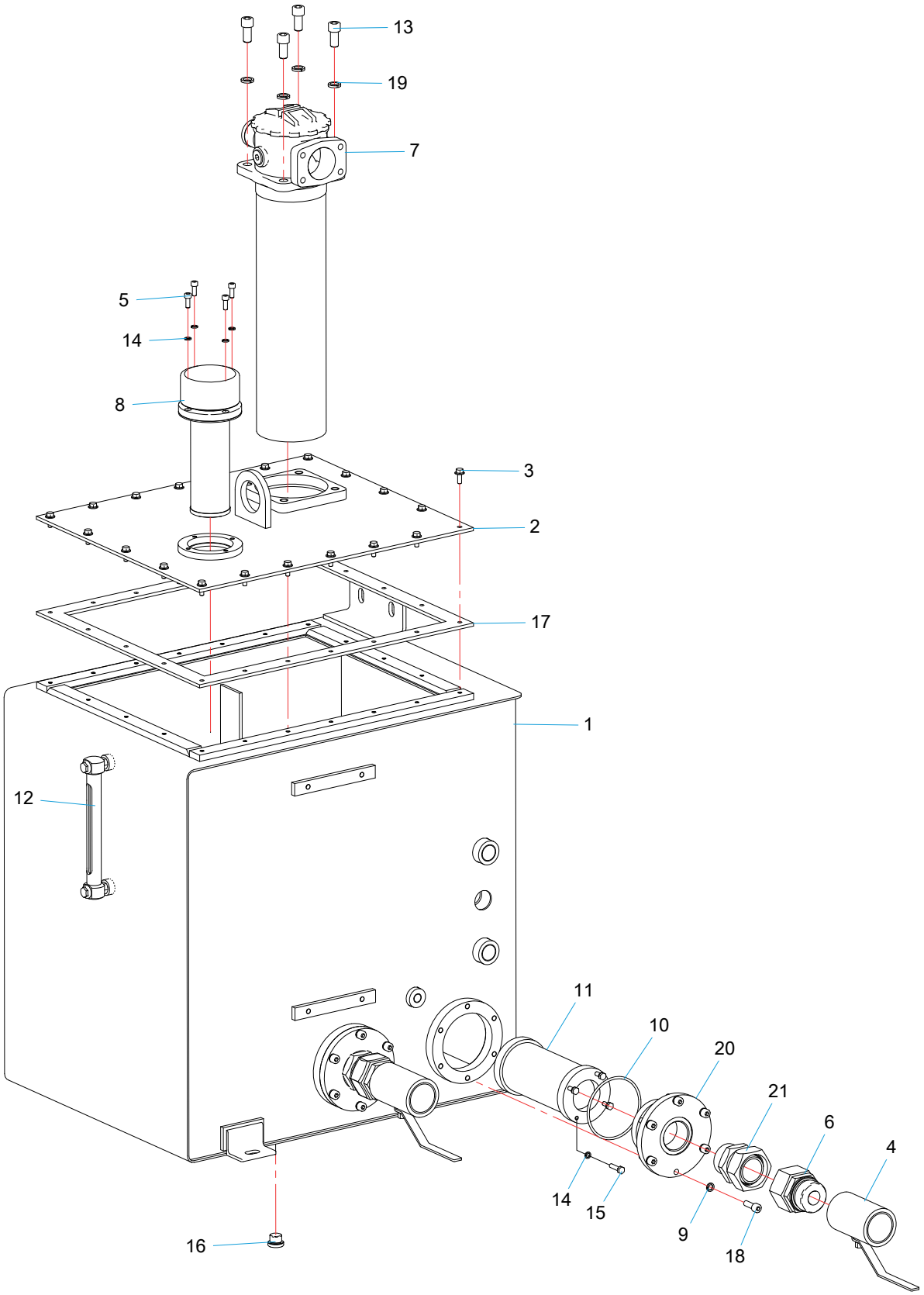
No.	Part No.	Qty.	Description
1	105001020254	1	Bracket
2	105074053142		Emergency power unit options
2-1	202010003090	1	Power unit(SC：1000631)
2-2	202010000041	1	Power unit, 12V(SC：1000250)
3	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
4	215030000108	4	Nut M8-8-ZnD GB/T 6183.1

6.1.3.3 Power unit(PN.202010000041)



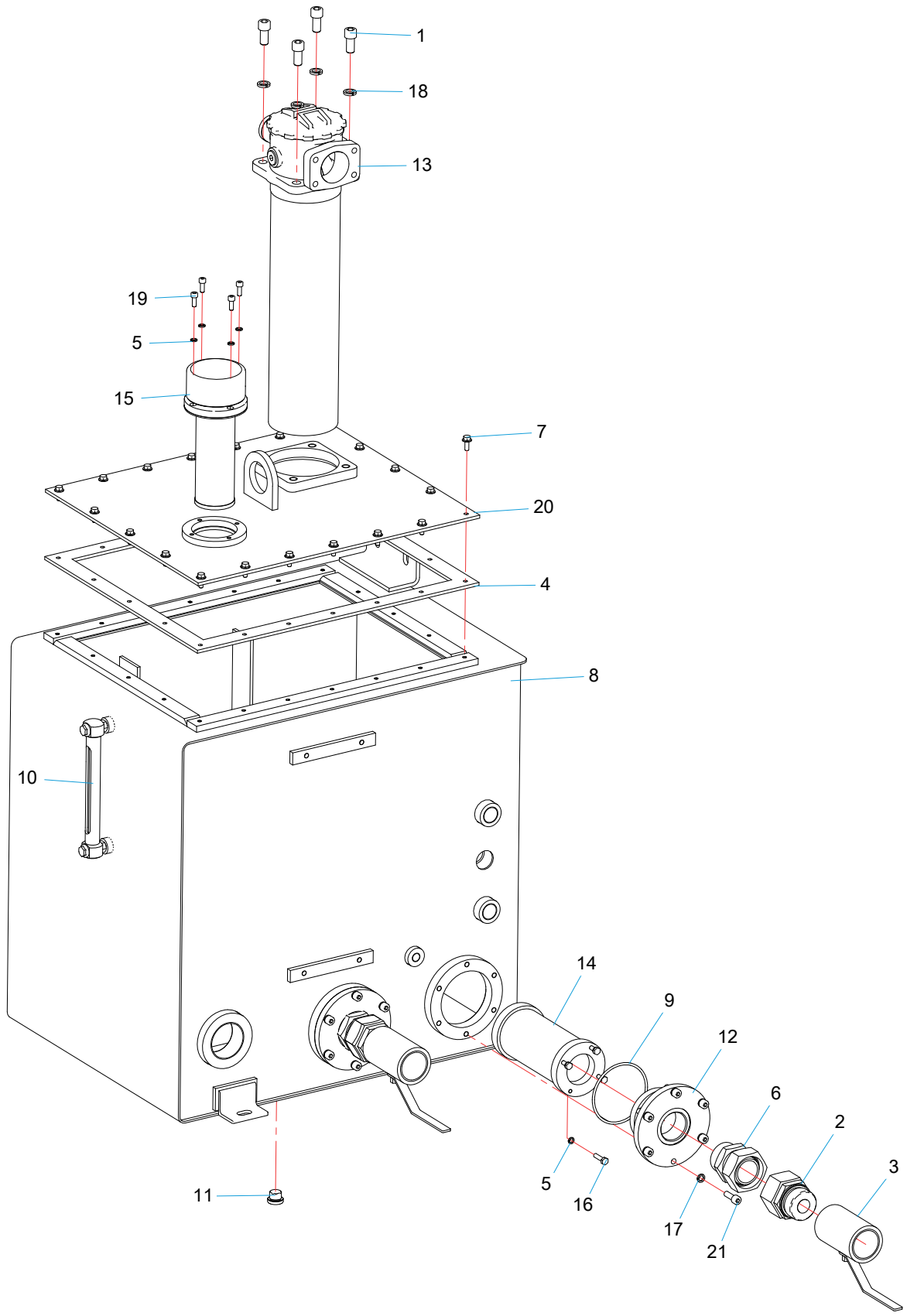
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.1.3.4 Hydraulic Tank Assembly (PN.114006053087)



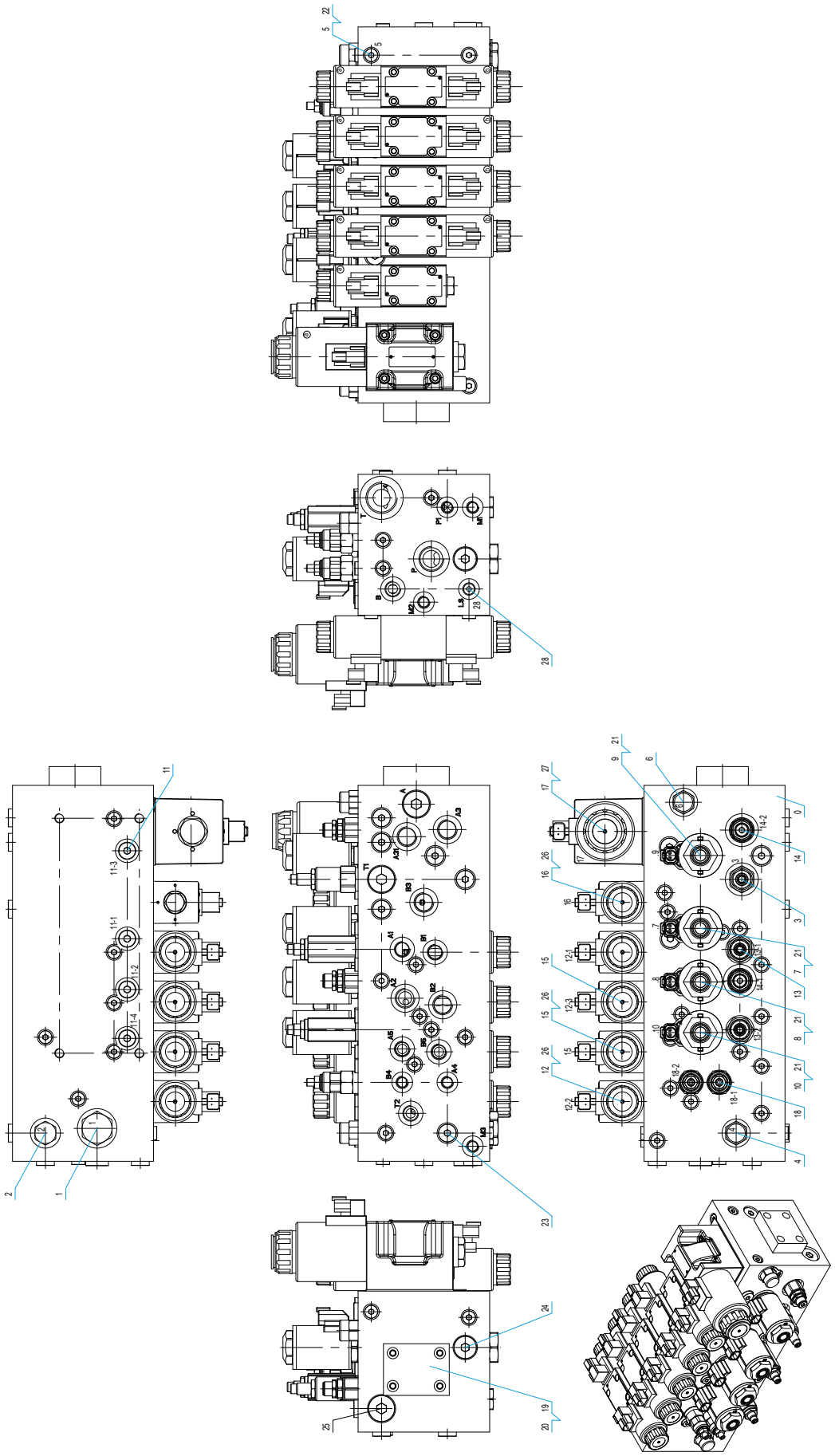
No.	Part No.	Qty.	Description
1	114010023010	1	Housing
2	105025023415	1	Cover
3	215010000230	20	Bolt M6×16-8.8-ZnD GB/T 5789
4	202040000017	2	Valve
5	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
6	213010000058	2	Coupler
7	202080000005	1	Return filter
7a	202080003012	1	Filter element
8	202070003014	1	Air filter
8a	202070003015	1	Filter element
9	215040000005	12	Washer 8-ZnD GB/T 93
10	207040003004	2	O-ring
11	202080000004	2	Oil suction filter
12	202120000004	1	Level gauge
13	215020000072	4	Screw M12×25-8.8-ZnD GB/T 70.1
14	215040000004	12	Washer 6-A2-70 GB/T 93
15	215010000052	8	Bolt M6×25-A2-70 GB/T 5783
16	213060000006	1	Plug
17	105001020021	1	Gasket, rubber
18	215020000024	12	Screw M8×25-8.8-ZnD GB/T 70.1
19	215040000007	4	Washer 12-ZnD GB/T 93
20	105001020024	2	Flange
21	213010000059	2	Coupler

6.1.3.5 Hydraulic Tank Assembly (PN.105050053191)



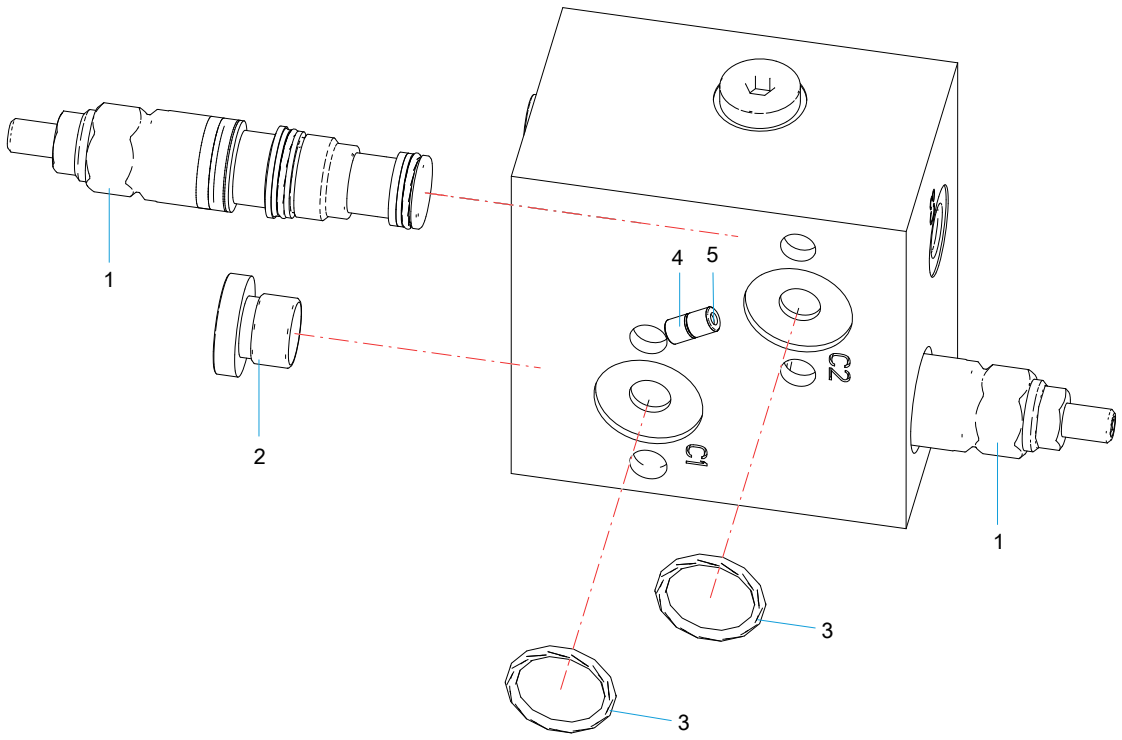
No.	Part No.	Qty.	Description
1	215020000072	4	Screw M12×25-8.8-ZnD GB/T 70.1
2	213010000058	2	Coupler
3	202040000017	2	Valve
4	105001020021	1	Gasket, rubber
5	215040000004	12	Washer 6-A2-70 GB/T 93
6	213010000059	2	Coupler
7	215010000230	20	Bolt M6×16-8.8-ZnD GB/T 5789
8	114015023111	1	Hydraulic tank
9	207040003004	2	O-ring
10	202120000004	1	Level gauge
11	213060000006	1	Plug
12	105001020024	2	Flange
13	202080000005	1	Return filter
13a	202080003012	1	Filter element
14	202080000004	2	Oil suction filter
15	202070003014	1	Air filter
15a	202070003015	1	Filter element
16	215010000052	8	Bolt M6×25-A2-70 GB/T 5783
17	215040000005	12	Washer 8-ZnD GB/T 93
18	215040000007	4	Washer 12-ZnD GB/T 93
19	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
20	105025023415	1	Cover
21	215020000024	12	Screw M8×25-8.8-ZnD GB/T 70.1

6.1.3.6 Boom Function Manifold (PN.202040003176)



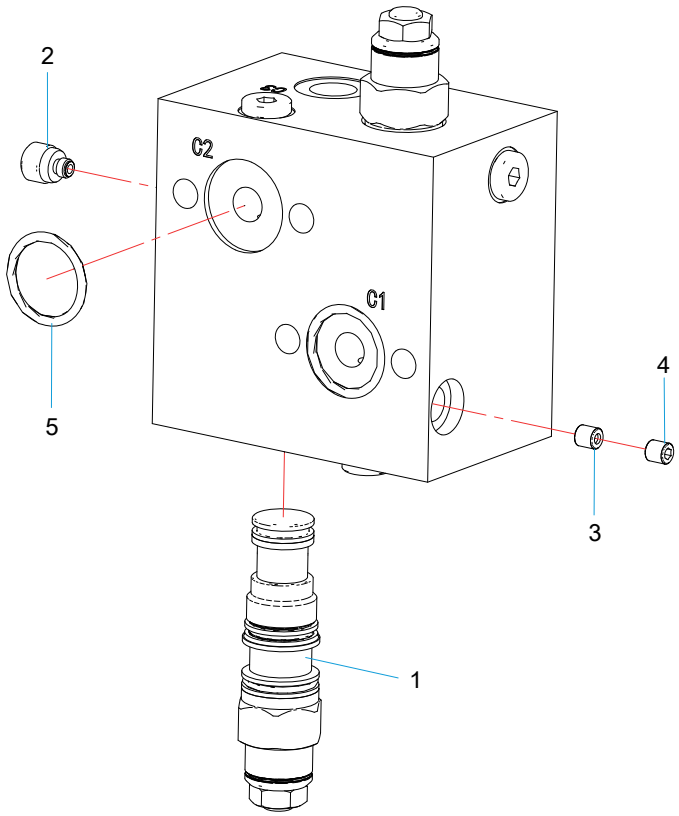
No.	Part No.	Qty.	Description
1	202990003146	1	Check Valves
2	202990003071	1	Check valve
3	202040003205	1	Relief valve
4	202990003147	1	Compensator valve
5	202130000008	1	Damper plug
6	202040003206	1	Flow valve
7	202990000009	1	Spool
8	202990000007	2	Spool
19	202130003003	1	Damper
10	202990000005	1	Spool
11	202040000410	4	Check valve
12	202990003148	3	Solenoid directional valve
13	202040003151	2	Relief valve
14	202990000011	2	Spool
15	202990003170	1	Solenoid directional valve
16	202990003149	1	Solenoid directional valve
17	202990003150	1	Solenoid directional valve
18	202040003207	2	Spool
28	202990000038	4	Coil

6.1.3.7 Rotary Cushion Valve (PN.202040003061)



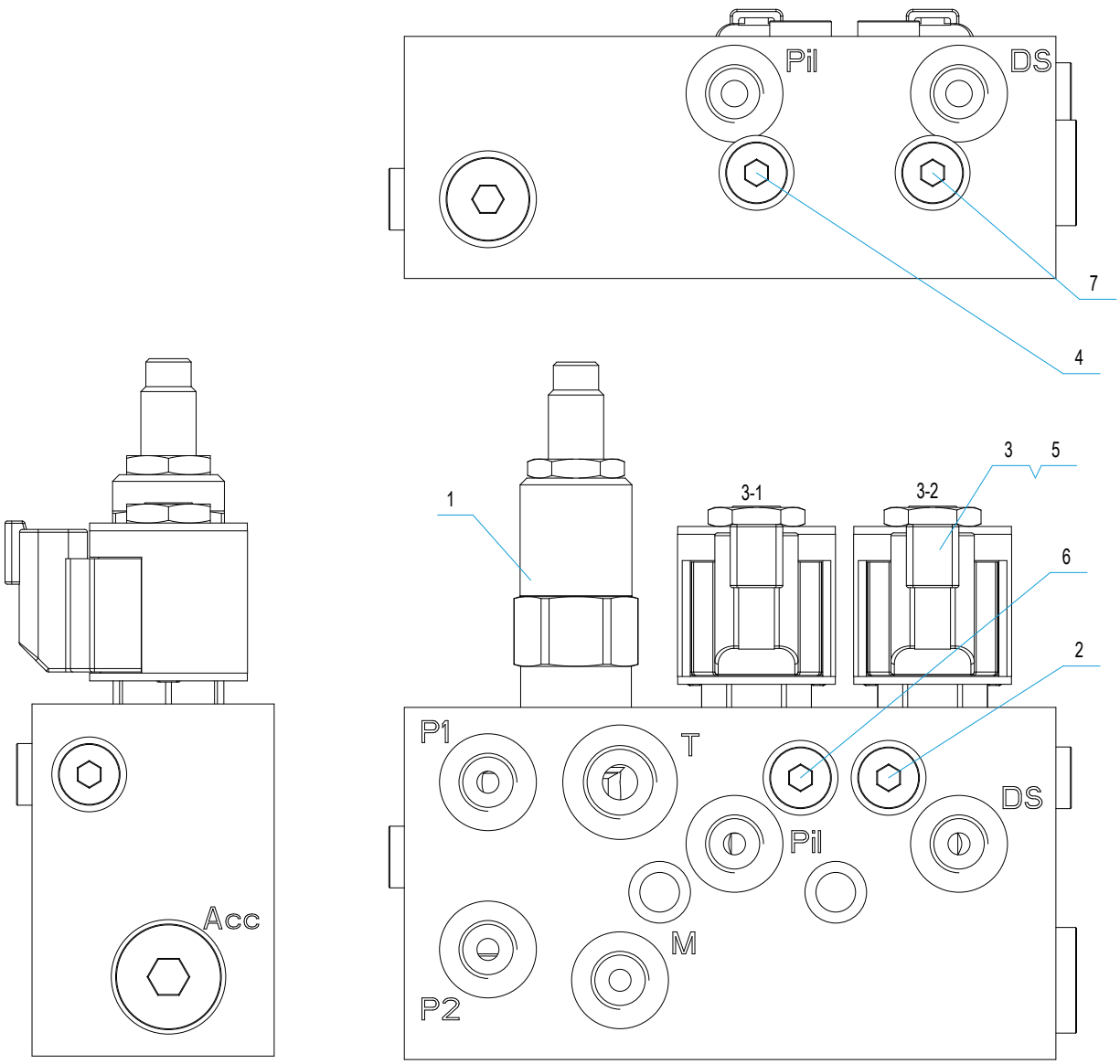
No.	Part No.	Qty.	Description
1	202990003036	2	Counterbalance valve spool
2	202990003063	1	Shuttle valve
3	207040003051	2	O-ring
4	202130003004	1	Damper
5	202130003003	1	Damper

6.1.3.8 Rotary buffer valve(PN.202040003257)



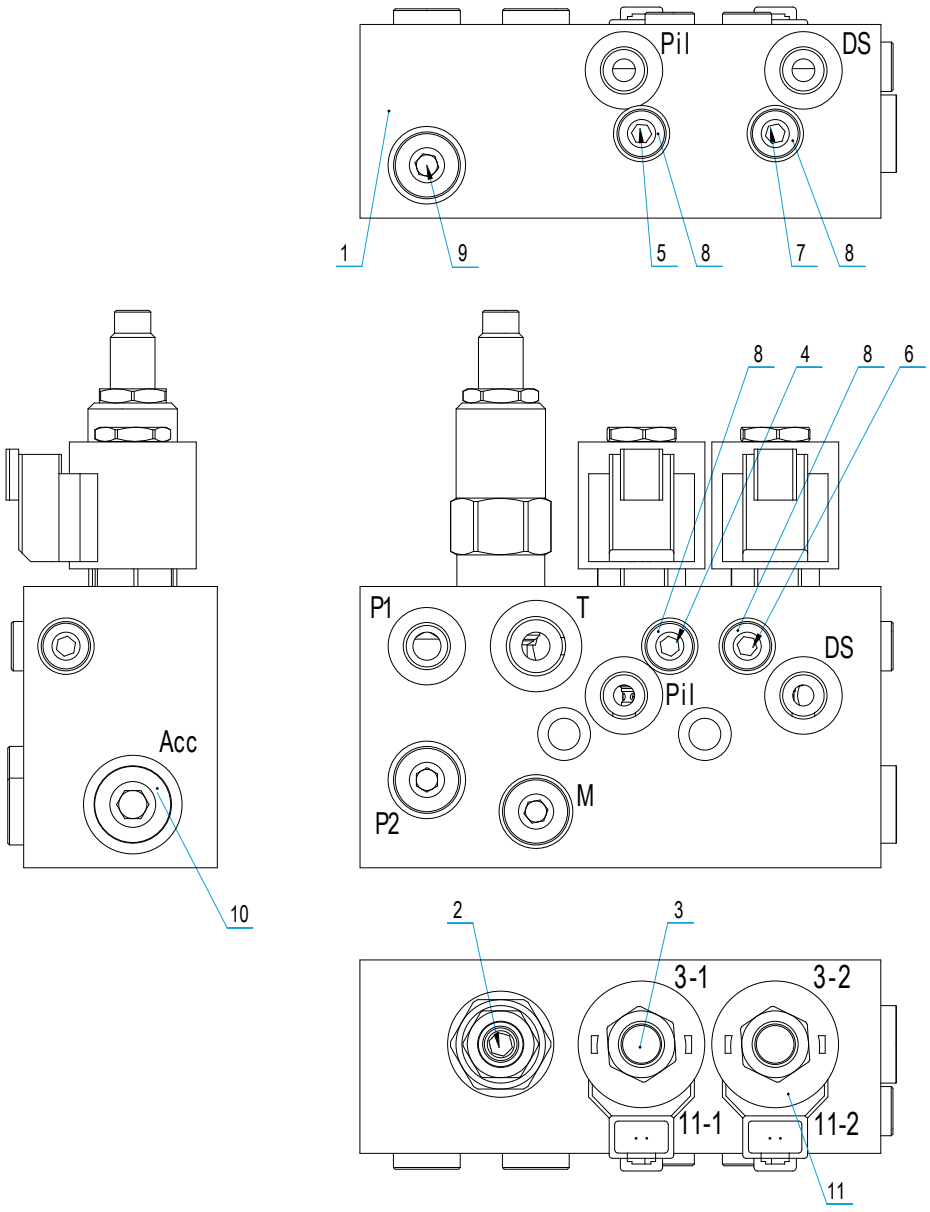
No.	Part No.	Qty.	Description
1	202990003274	2	Balance valve
2	202990003062	1	Shuttle valve
3	202130003003	1	Damper
4	202130003004	1	Damper
5	207040003051	2	O-ring

6.1.3.9 Brake/2-speed Control Valve (PN.202040000006)



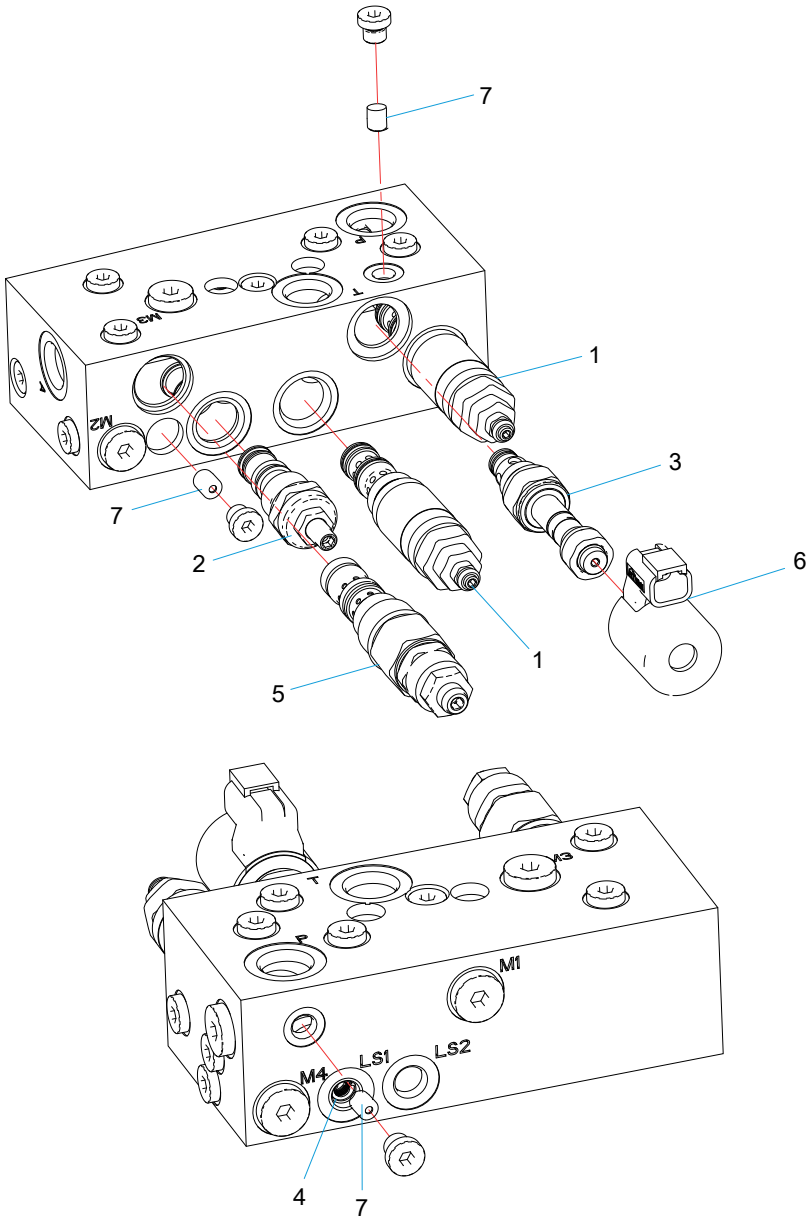
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.1.3.10 Brake/2-speed Control Valve (PN.202040003258)



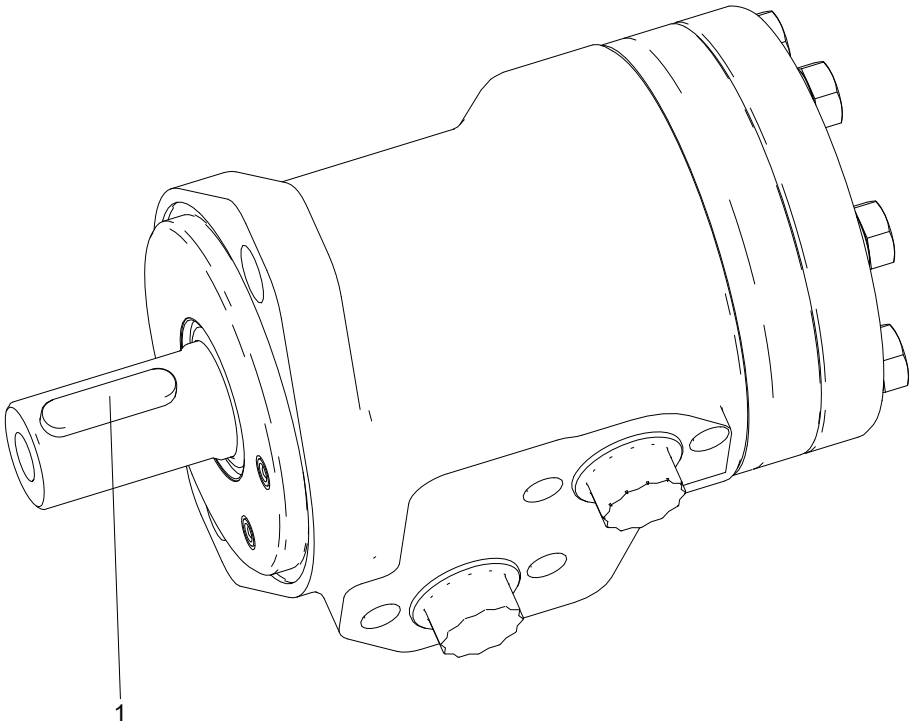
No.	Part No.	Qty.	Description
2	202990003735	1	Pressure relief valve
3	202990003736	2	Electric valve
4	202130003015	1	Damper
5	202130000004	1	Plug
6	202130000008	1	Damper plug
7	202130000001	1	Damper
11	202990003242	2	Coil

6.1.3.11 Oscillate Control Valve (PN.202040003514)



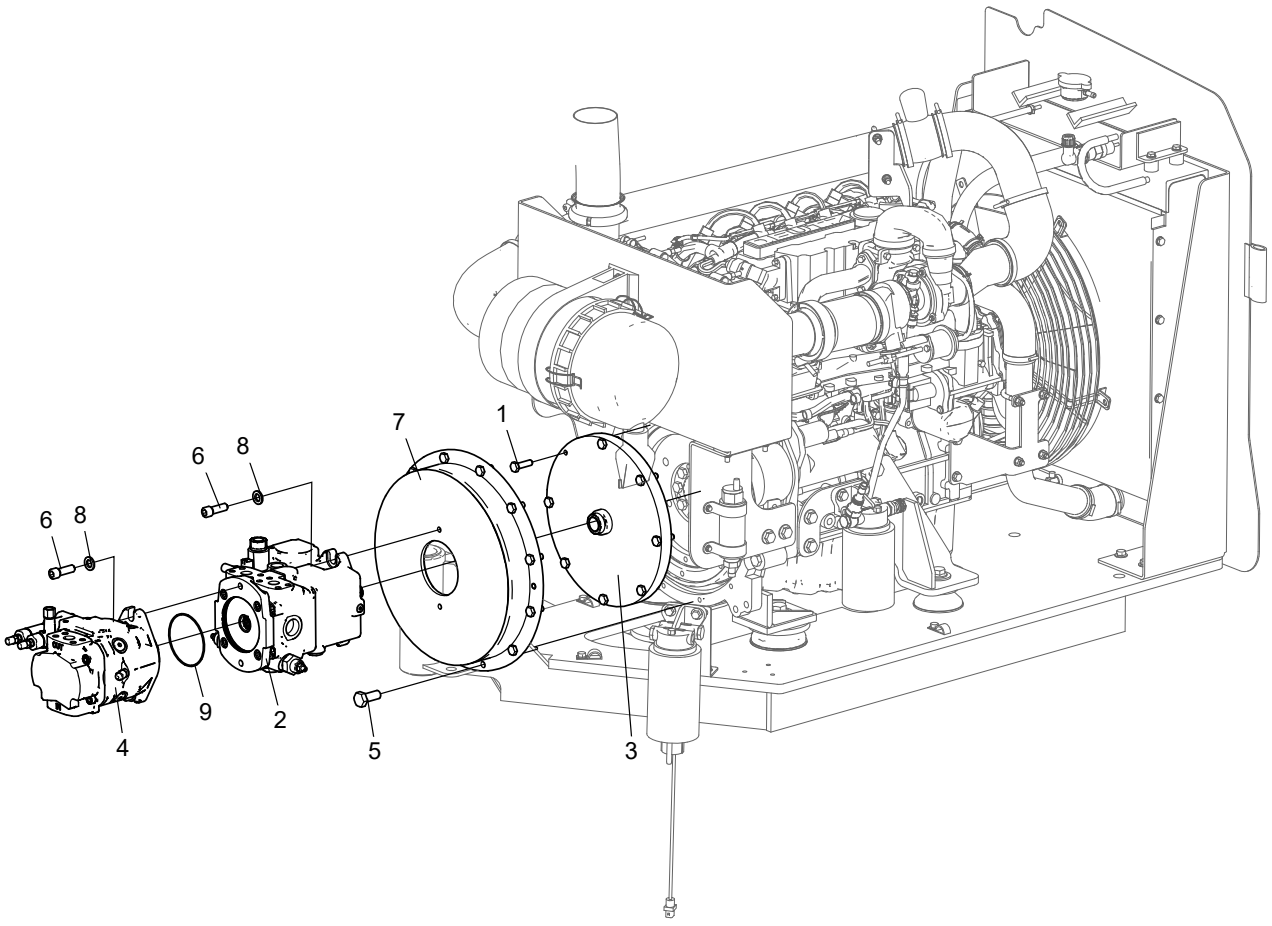
No.	Part No.	Qty.	Description
1	202040003345	2	Pressure reducing valve
2	202040003353	1	Flow valve
3	202990003453	1	Electric valve
4	202990003154	1	Shuttle valve
5	202040003346	1	Hydraulic controlled valve
6	202990003144	1	Coil
7	202130003003	3	Damper

6.1.3.12 Cycloid Motor (PN.202020000005)



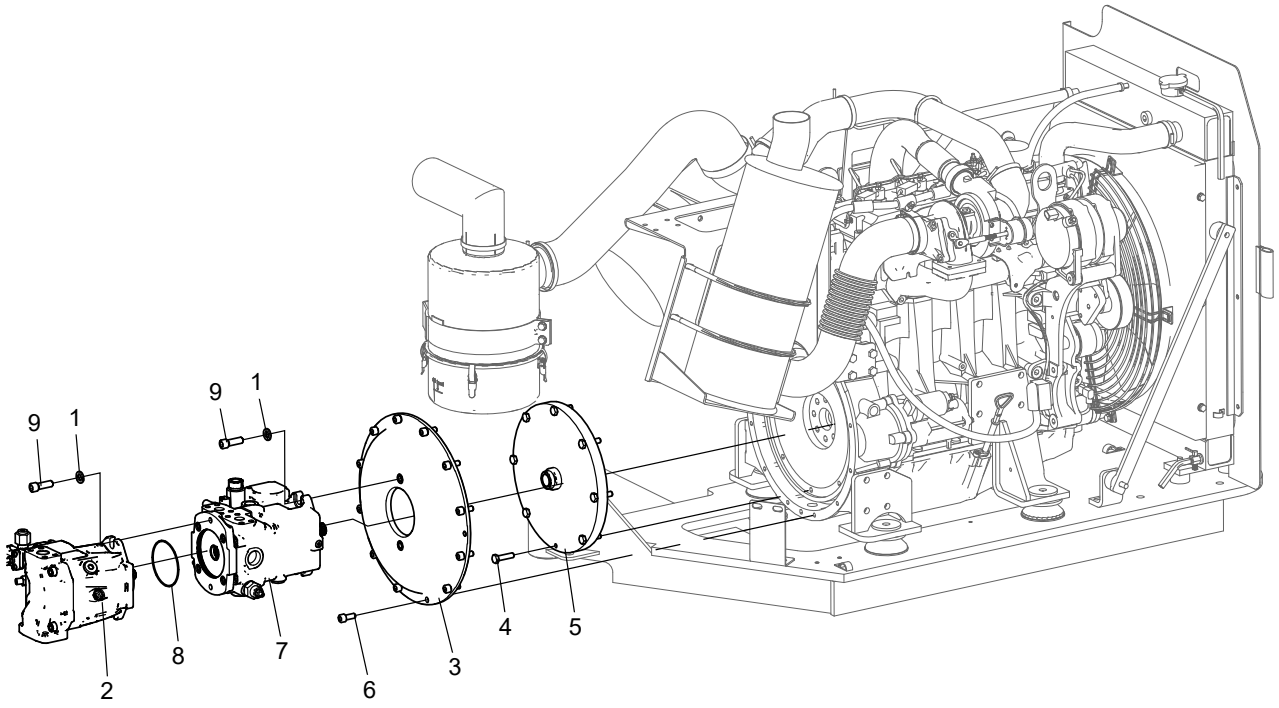
No.	Part No.	Qty.	Description
1	204200003000	1	Flat key
2	207990003032	1	Seal kit, Cycloid motor(Not shown)

6.1.3.13 Deutz Oil Pump Transmission



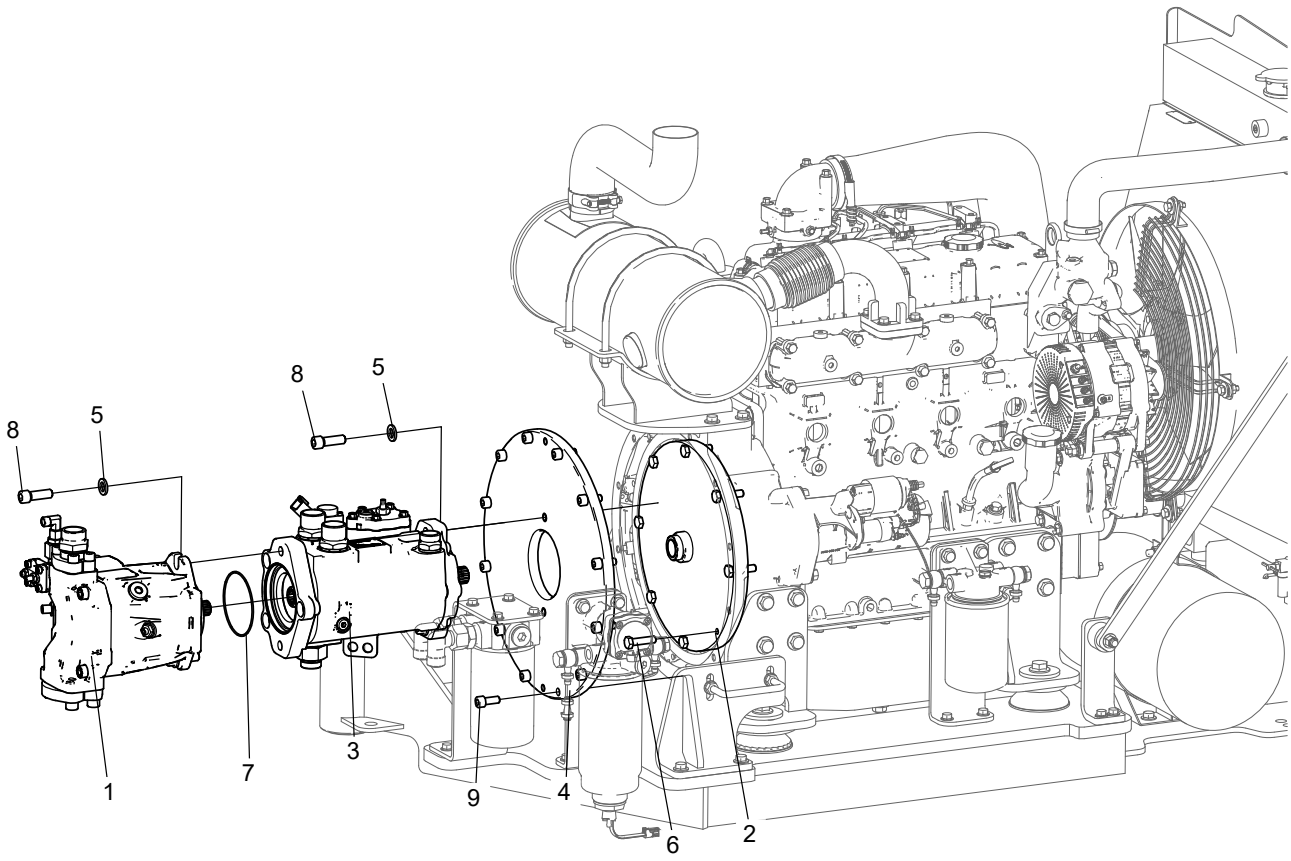
No.	Part No.	Qty.	Description
1	215010000073	8	Bolt M10×35-8.8-ZnD GB/T 5783
2	105001050065	1	Closed variable displacement pump options
3	204040000002	1	Coupling
4	105060053048	1	Open variable pump optional
5	215010000069	12	Bolt M10×25-8.8-ZnD GB/T 5783
6	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
7	105017050003	1	Flange
8	215040000051	4	Washer 12-DKL GB/T 1230
9	207040000060	1	O-ring

6.1.3.14 Cummis Oil Pump Transmission



No.	Part No.	Qty.	Description
1	215040000051	4	Washer 12-DKL GB/T 1230
2	105060053048	1	Open variable pump optional
3	105029023042	1	Flange
4	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
5	204040000002	1	Coupling
6	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1
7	105001050065	1	Closed variable displacement pump options
8	207040000060	1	O-ring
9	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3

6.1.3.15 YUCHAI Oil Pump Transmission



No.	Part No.	Qty.	Description
1	105060053048		Open variable pump optional
1-1	202010003068	1	Open variable-displacement pump(1000107)
1-1a	207990003119	1	Seal kit, open-circuit pump
1-2	202010000044	1	Open variable-displacement pump(1000054)
1-2a	207990003105	1	Seal kit, open-circuit pump
2	204040000002	1	Coupling
3	105001050065		Closed variable displacement pump options
3-1	202010000054	1	Closed-circuit variable pump(1000107)
3-1a	207990003118	1	Seal kit, closed-circuit pump
3-2	202010000045	1	Closed-circuit variable pump(1000054)
3-2a	207990003106	1	Seal kit,Closed-circuit pump
4	105056023129	1	Flange
5	215040000051	4	Washer 12-DKL GB/T 1230
6	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
7	207040000060	1	O-ring
8	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
9	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1

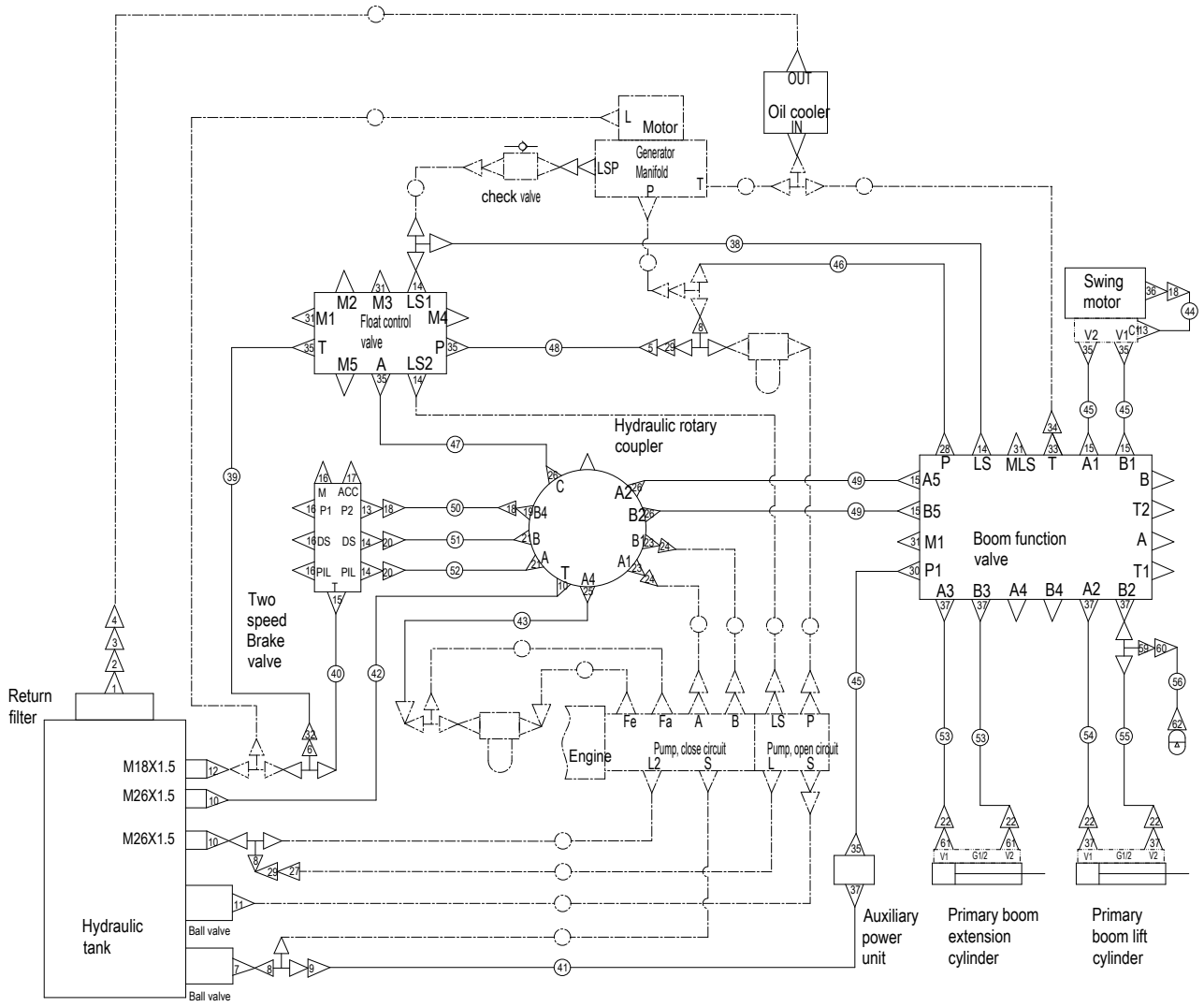
6.1.3.16 Closed Variable Displacement Pump Options

No.	Part No.	Qty.	Description
1	202010000006	1	Closed-circuit variable pump(1000238)
2	202010000005	1	Closed-circuit variable pump(1000188)
3	202010000054	1	Closed-circuit variable pump(1000857)
3a	207990003118	1	Seal kit, closed-circuit pump
4	202010000045	1	Closed-circuit variable pump(1000054)
4a	207990003106	1	Seal kit,Closed-circuit pump

6.1.3.17 Open Variable Pump Options

No.	Part No.	Qty.	Description
1-1	202010000044	1	Open variable-displacement pump(1000054)
1-1a	207990003105	1	Seal kit, open-circuit pump
1-2	202010003068	1	Open variable-displacement pump(1000857)
1-2a	207990003119	1	Seal kit, open-circuit pump

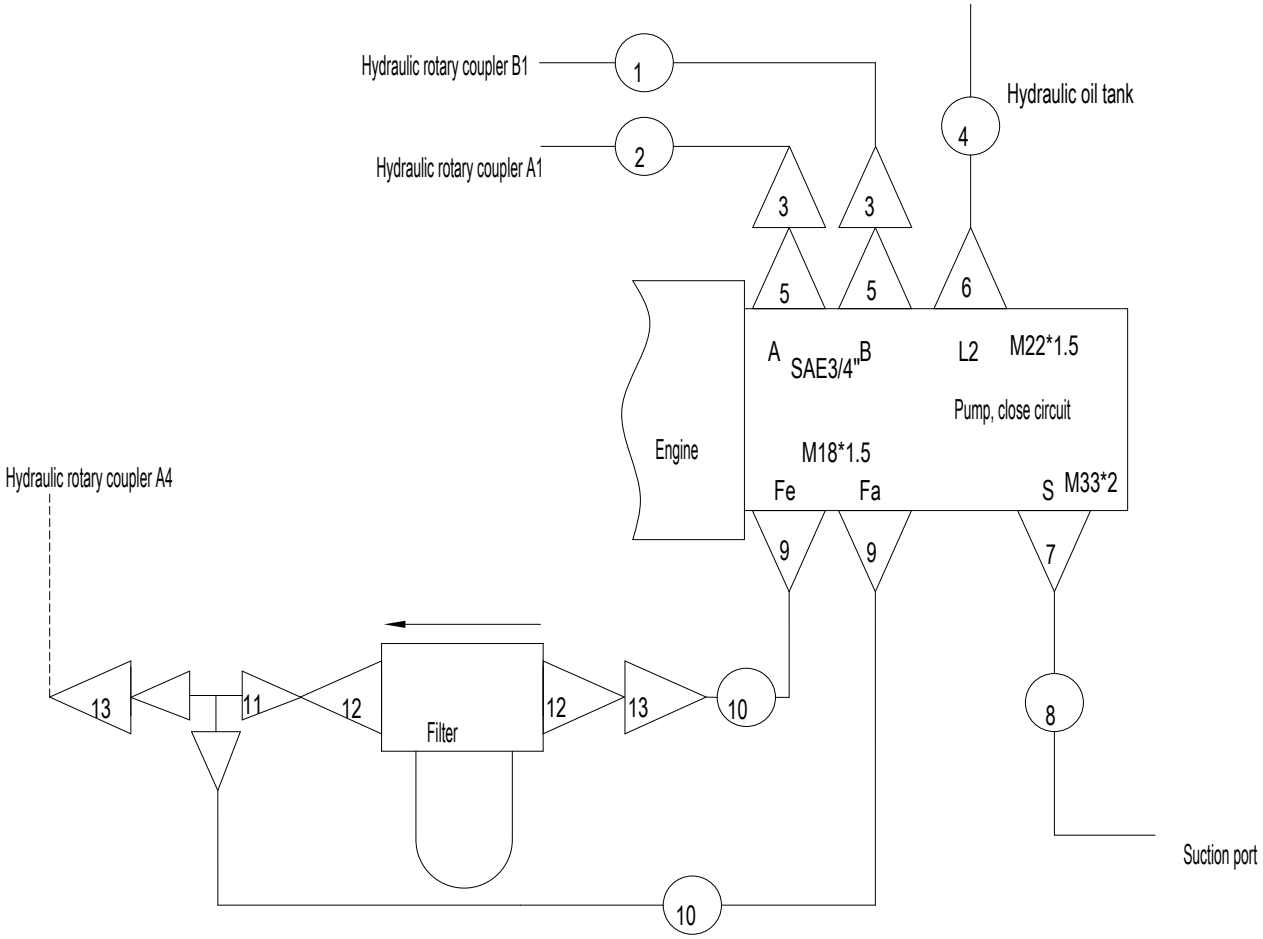
6.1.3.18 Turntable Tubes Layout



No.	Part No.	Qty.	Description
	105050053117	1	Turntable piping layout
1	207040000017	1	O ring 53×3.55 GB/T 3452.1
2	215040000006	4	Washer 10-ZnD GB/T 93
3	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
4	104008050035	1	Fitting, flange
5	213010000046	1	Coupler
6	213010000032	1	Coupler
7	105001050002	1	Fitting
8	213010000043	3	Coupler
9	213010000098	1	Coupler
10	213010000037	3	Coupler
11	105001050011	1	Fitting
12	213010000086	1	Coupler
13	213010000012	2	Coupler
14	213010000007	4	Fitting
15	213010000005	5	Coupler
16	213060000003	4	Plug
17	213060000001	1	Plug
18	213010000009	4	Coupler
19	213010000049	2	Coupler
21	213010000202	2	Coupler
22	213010000008	4	Coupler
23	213010000030	2	Coupler
24	213010000022	2	Coupler
25	213010000065	1	Coupler
26	213010000031	2	Coupler
27	213010000104	1	Coupler
28	213010000045	1	Coupler
29	213010000041	2	Coupler
30	213010000036	1	Coupler
31	213010000010	4	Coupler
32	213010000055	1	Coupler
33	213010000148	1	Coupler
34	213010000164	1	Coupler
35	213010000038	5	Coupler
36	213010000057	1	Coupler
37	213010000039	7	Coupler

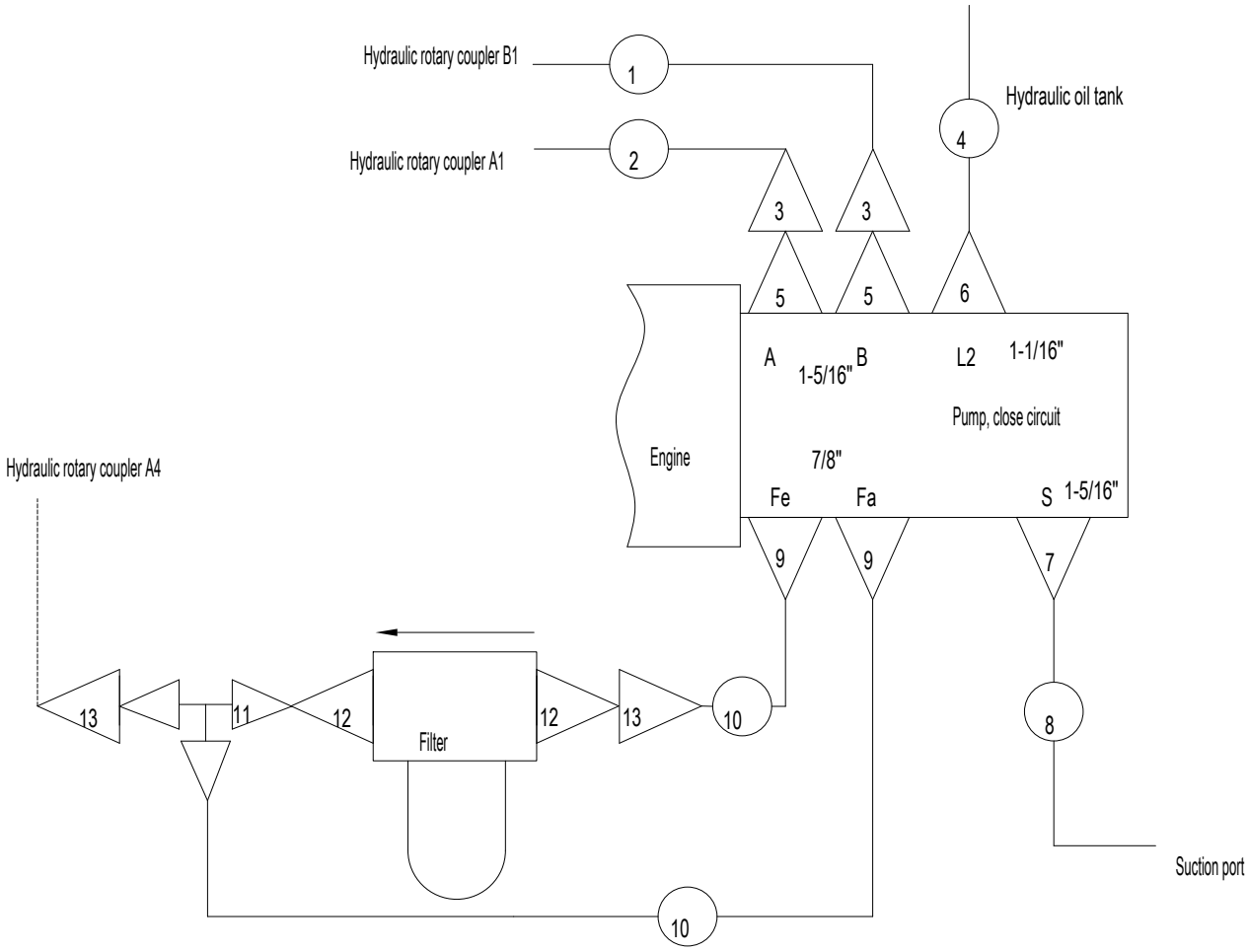
No.	Part No.	Qty.	Description
38	213050000621	1	Hose
39	213050001461	1	Hose
40	213050000385	1	Hose
41	213050000336	1	Hose
42	213050000628	1	Hose
43	213050003057	1	Hose
44	213050003232	1	Hose
45	213050000032	3	Hose
46	213050000737	1	Hose
47	213050014713	1	Hose
48	213050000254	1	Hose
49	213050000048	2	Hose
50	213050000143	1	Hose
51	213050000393	1	Hose
52	213050000616	1	Hose
53	213050000526	2	Hose
54	213050000598	1	Hose
55	213050000492	1	Hose
56	213050000196	1	Hose
57	105050053006	1	Closed variable displacement pump piping layout options
57-1	105050053008	1	Piping layout, closed variable displacement pump
57-2	105068053055	1	Closed variable displacement pump piping layout options
58	105050053007	1	Open variable displacment pump piping layout option
58-1	105050053009	1	Piping layout, open variable displacement pump
58-2	105068053060	1	Piping layout, open variable displacement pump
59	213010000078	1	Coupler
60	213010000160	1	Coupler
61	213010000003	2	Coupler
62	213010000144	1	Coupler
63	213010000125	1	Fitting
64	213060000007	1	Plug

6.1.3.19 Closed Pump (PN.202010000045) Tubes Layout



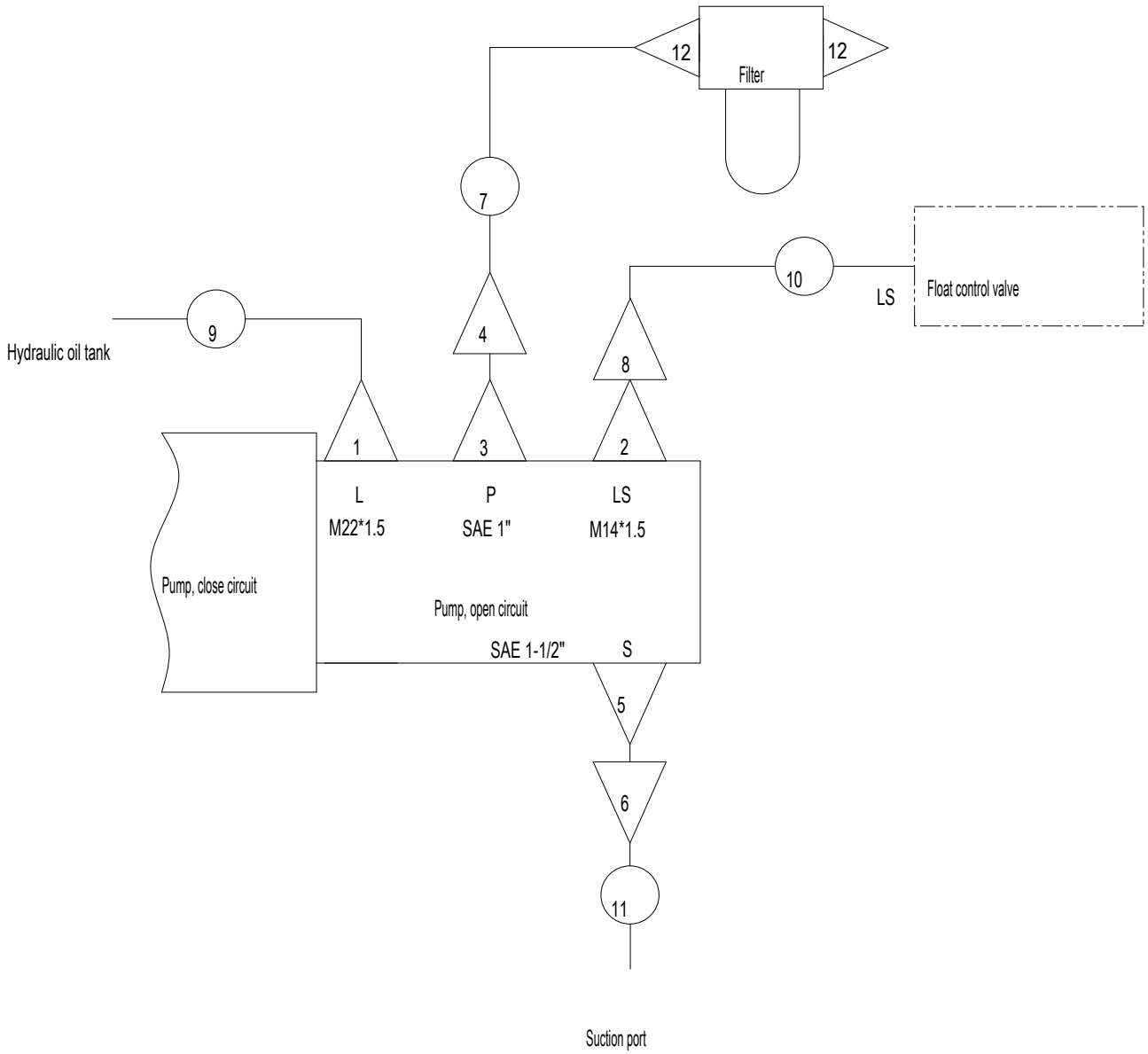
No.	Part No.	Qty.	Description
	105068053055	1	Closed variable displacement pump piping layout options
1	213050000042	1	Hose
2	213050000020	1	Hose
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213050000644	1	Hose
5	213030000018	2	Flange
6	213010000168	1	Coupler
7	213010000103	1	Coupler
8	213050000861	1	Hose
9	213010000108	2	Coupler
10	213050001000	2	Hose
11	213010000078	1	Coupler
12	213010000014	2	Coupler
13	213010000008	2	Coupler

6.1.3.20 Closed Pump (PN.202010000054) Tubes Layout



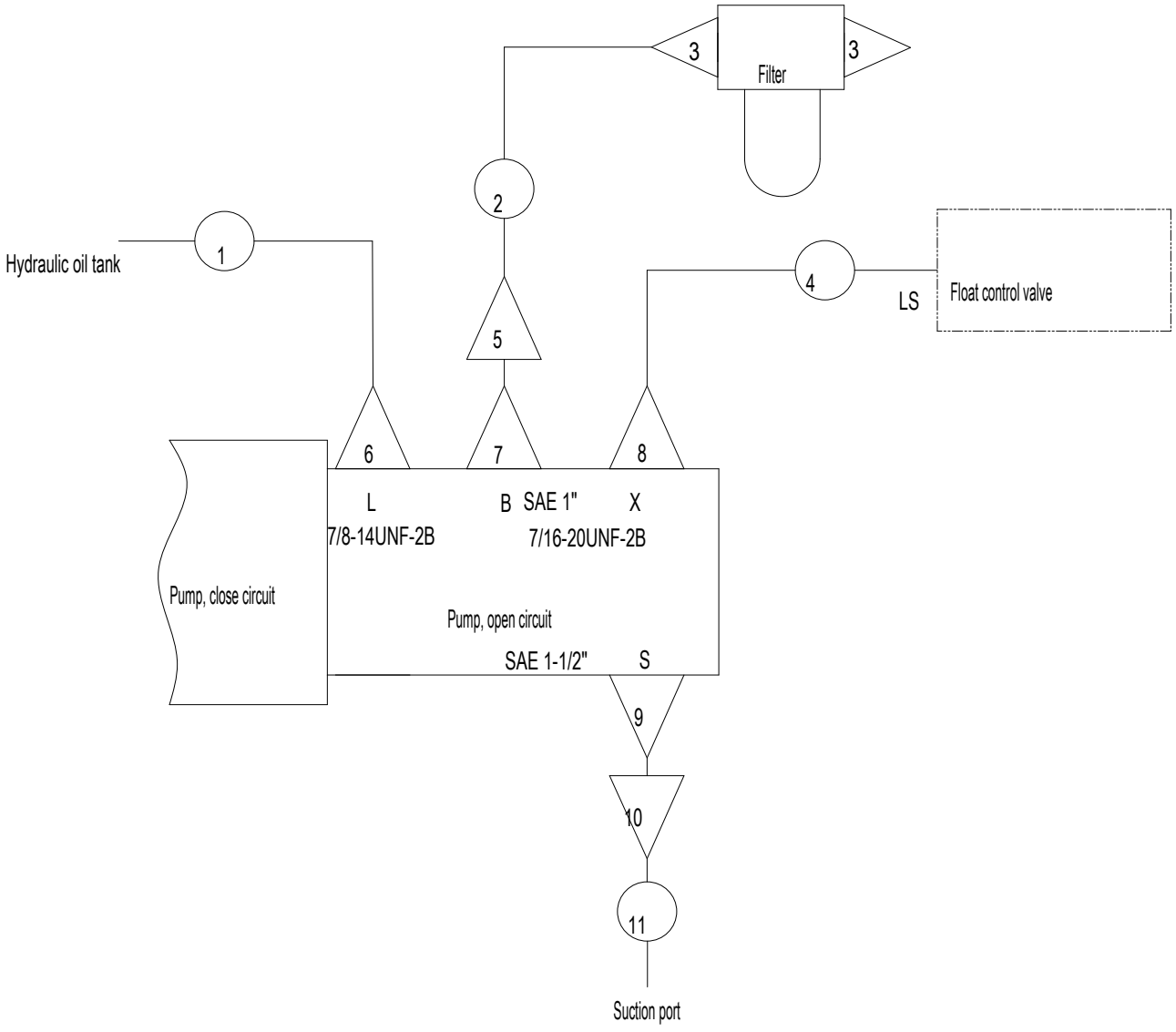
No.	Part No.	Qty.	Description
	105050053008	1	Piping layout, closed variable displacement pump
1	213050000042	1	Hose
2	213050000020	1	Hose
3	213010000022	2	Coupler
4	213050000644	1	Hose
5	213010000027	2	Coupler
6	213010000029	1	Coupler
7	213010003017	1	Coupler
8	213050000861	1	Hose
9	213010000162	2	Coupler
10	213050001000	2	Hose
11	213010000078	1	Coupler
12	213010000014	2	Coupler
13	213010000008	2	Coupler

6.1.3.21 Open Pump (PN.202010000055) Tubes Layout



No.	Part No.	Qty.	Description
	105050053009	1	Piping layout, open variable displacement pump
1	213010000069	1	Coupler
2	213010000209	1	Coupler
3	213030000022	1	Flange
4	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1
5	213030000012	1	Flange
6	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
7	213050000742	1	Hose
8	213010000024	1	Coupler
9	213050003103	1	Hose
10	213050000749	1	Hose
11	213050000527	1	Hose
12	213010000045	2	Coupler

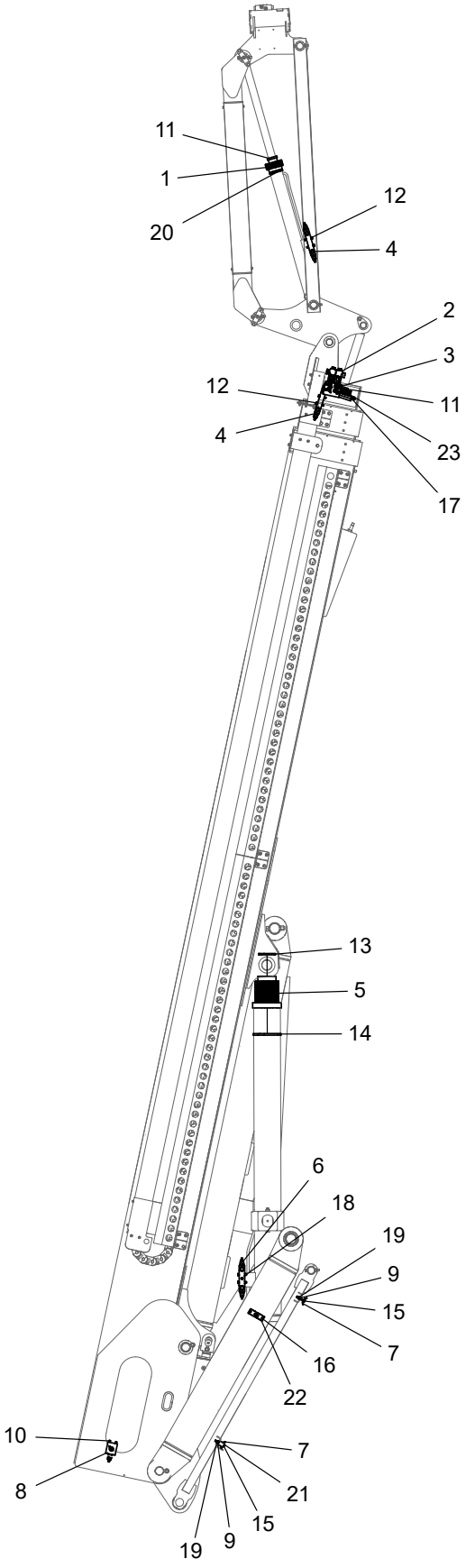
6.1.3.22 Open Pump (PN.202010000044) Tubes Layout



No.	Part No.	Qty.	Description
	105068053060	1	Piping layout, open variable displacement pump
1	213050003103	1	Hose
2	213050000742	1	Hose
3	213010000045	1	Coupler
4	213050000749	1	Hose
5	215080000002	4	Hexagon socket head cap screw 3/8-16UNC-1-GR8-DKL ASME B18.3
6	213010000159	1	Coupler
7	213030000022	1	Flange
8	213010000013	1	Coupler
9	213030000012	1	Flange
10	215080000003	4	Hexagon socket head cap screw 1/2-13UNC-1.25-GR8-DKL ASME B18.3
11	213050000527	1	Hose

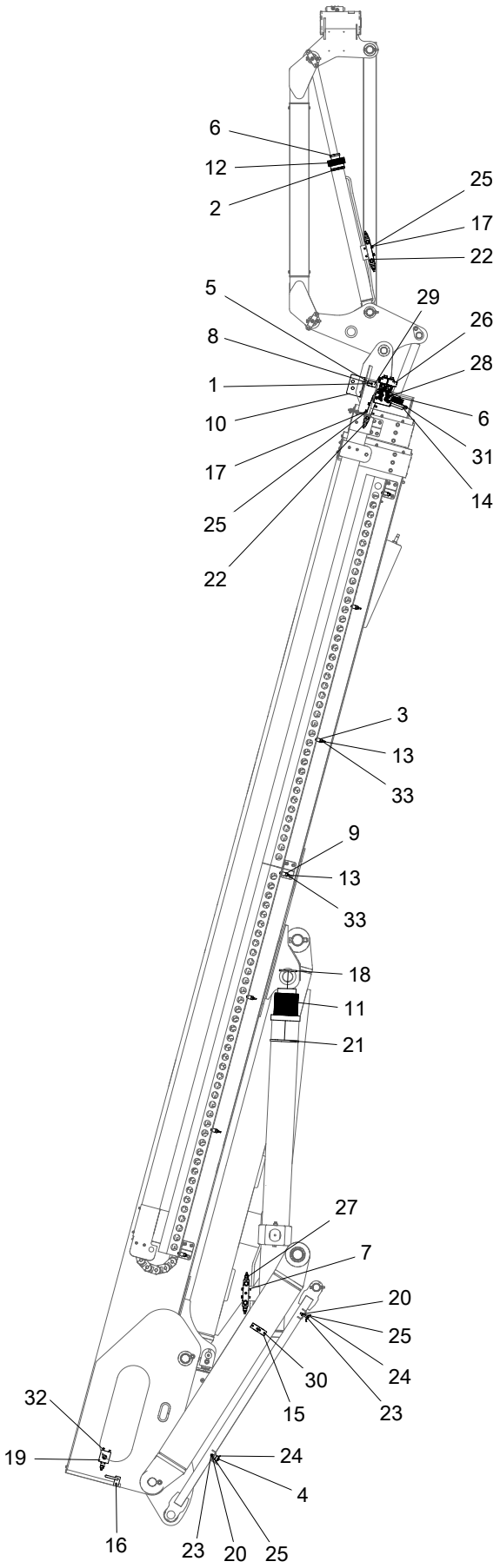
6.1.4 BOOM HYDRAULIC SYSTEM

6.1.4.1 Boom Hydraulic Components Installation (Steel cable track)



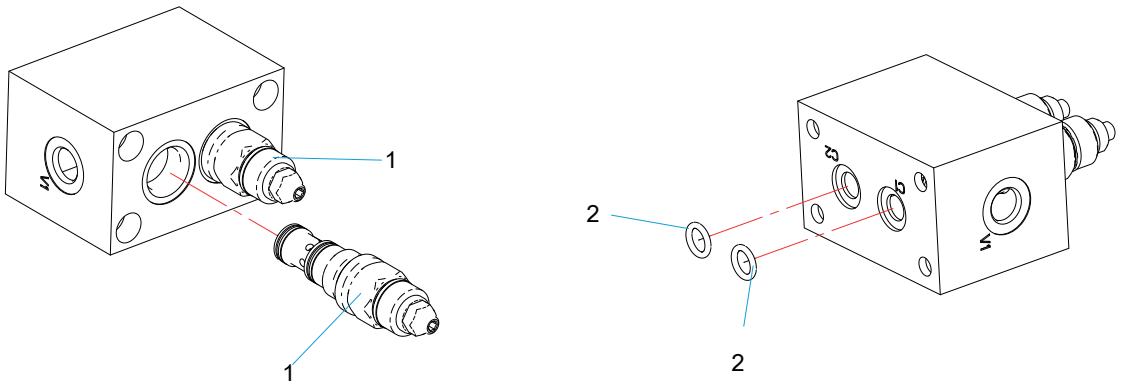
No.	Part No.	Qty.	Description
1	103005050008	1	Bellow, cylinder
2	104021050008		Platform manifold options, duplex
2-1	202040000329	1	Platform manifold, duplex(1000176)
2-2	202040003259	1	Platform manifold, duplex(1000282)
3	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
4	202040000011	2	Counterbalance valve, leveling
5	105050053011	1	Rod jacket lift cylinder
6	202040000377	1	Lift counterbalance valve
7	103003050039	3	Bracket
8	202040003126	1	Telescope counterbalance valve
9	215040000005	7	Washer 8-ZnD GB/T 93
10	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
11	216020000007	2	Clamp
12	215020000029	8	Screw M8×40-10.9-DKL GB/T 70.1
13	216020000026	1	Hose clamp
14	216020003010	1	Hose clamp
15	215010000163	7	Bolt M8×50-8.8-ZnD GB/T 5782
16	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
17	216020000022	1	Hose clamp
18	215020000030	4	Screw M8×45-8.8-ZnD GB/T 70.1
19	215030000005	7	Nut M8-8-ZnD-GB/T 6170
20	216020000009	1	Hose clamp
21	216010003006	1	Clamp
22	216010003031	2	Clamp
23	105078053025	1	Sheath, cylinder (level, upper)

6.1.4.2 Boom Hydraulic Components Installation (Plastic cable track)



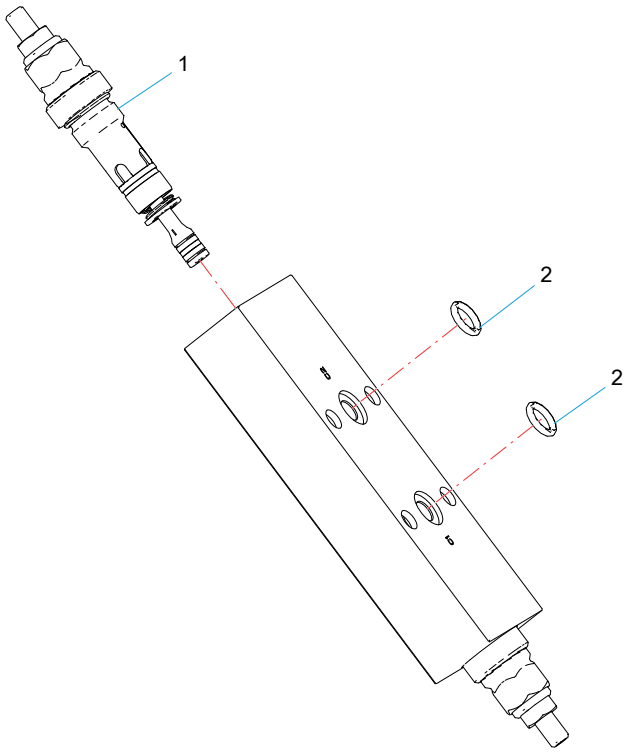
No.	Part No.	Qty.	Description
1	215040000004	1	Washer 6-A2-70 GB/T 93
2	216020000009	1	Hose clamp
3	105025053025	4	Clamp
4	216010000012	1	Clamp
5	215020000288	1	Screw M6×70-A2-70 GB/T 70.1
6	216020000007	2	Clamp
7	215020000030	4	Screw M8×45-8.8-ZnD GB/T 70.1
8	215030000004	1	Nut M6-A2-70 GB/T 6170
9	105025053026	3	Clamp
10	105049013003	1	Folded plate
11	105050053011	1	Rod jacket lift cylinder
12	103005050008	1	Bellow, cylinder
13	215010000205	14	Bolt M6×55-A2-70 GB/T5783
14	216020000022	1	Hose clamp
15	216010003031	2	Clamp
16	104008050010	1	Hook, tube
17	215020000031	8	Screw M8×45-10.9-DKL GB/T 70.1
18	216020000026	1	Hose clamp
19	202040003126	1	Telescope counterbalance valve
20	215030000005	7	Nut M8-8-ZnD-GB/T 6170
21	216020003010	1	Hose clamp
22	202040000011	1	Counterbalance valve, leveling
23	215010000163	7	Bolt M8×50-8.8-ZnD GB/T 5782
24	103003050039	3	Bracket
25	215040000005	15	Washer 8-ZnD GB/T 93
26	104021050008		Platform manifold options, duplex
26-1	202040000329	1	Platform manifold, duplex(1000176)
26-2	202040003259	1	Platform manifold, duplex(1000282)
27	202040000377	1	Lift counterbalance valve
28	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
29	216010003001	2	Clamp
30	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
31	105078053025	1	Sheath, cylinder (level, upper)
32	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
33	215030000107	14	Nut M6-8-ZnD GB/T 6183.1

6.1.4.3 Telescoping Counterbalance Valve (PN.202040003126)



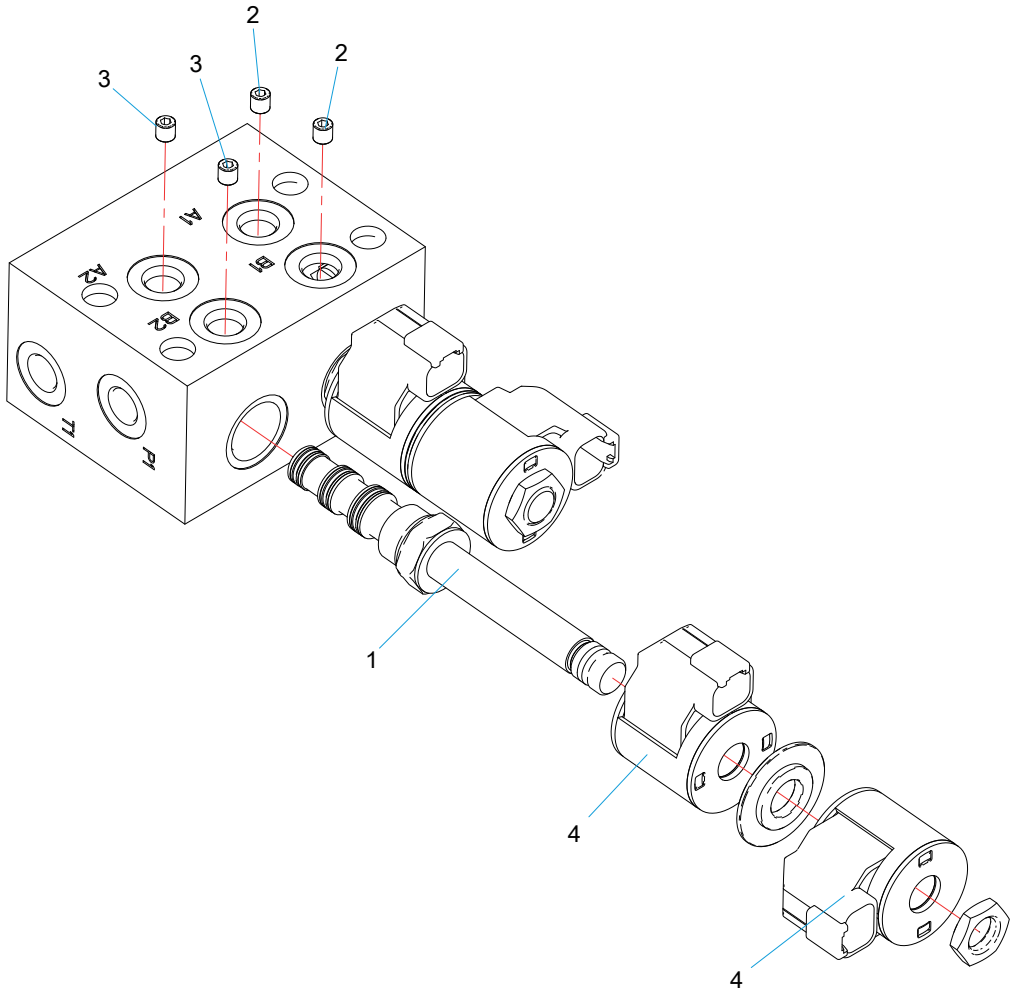
No.	Part No.	Qty.	Description
1	202990003097	2	Counterbalance valve spool
2	207060003005	2	O-ring

6.1.4.4 Leveling Counterbalance Valve (PN.202040000011)



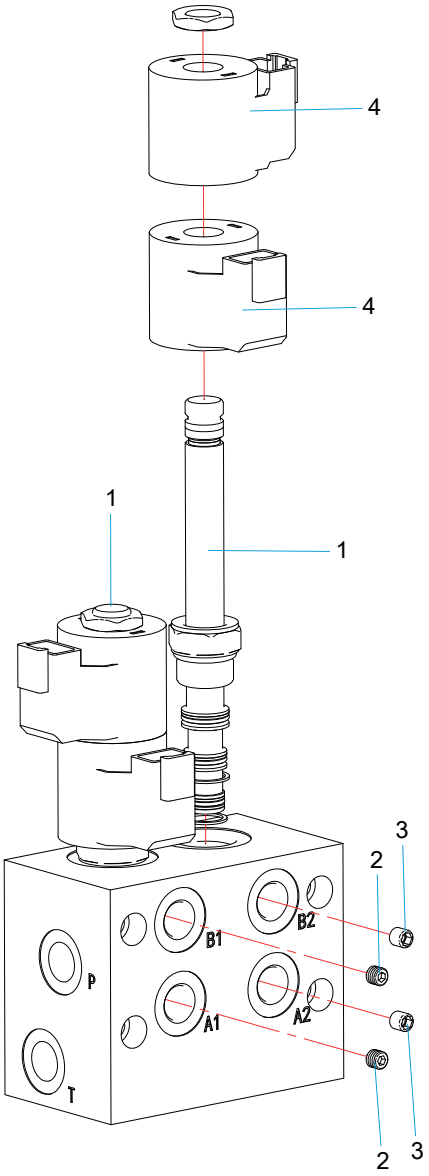
No.	Part No.	Qty.	Description
1	202990003040	2	Counterbalance valve spool
2	207040003049	2	O-ring

6.1.4.5 Platform Duplex Valve (PN.202040000329)



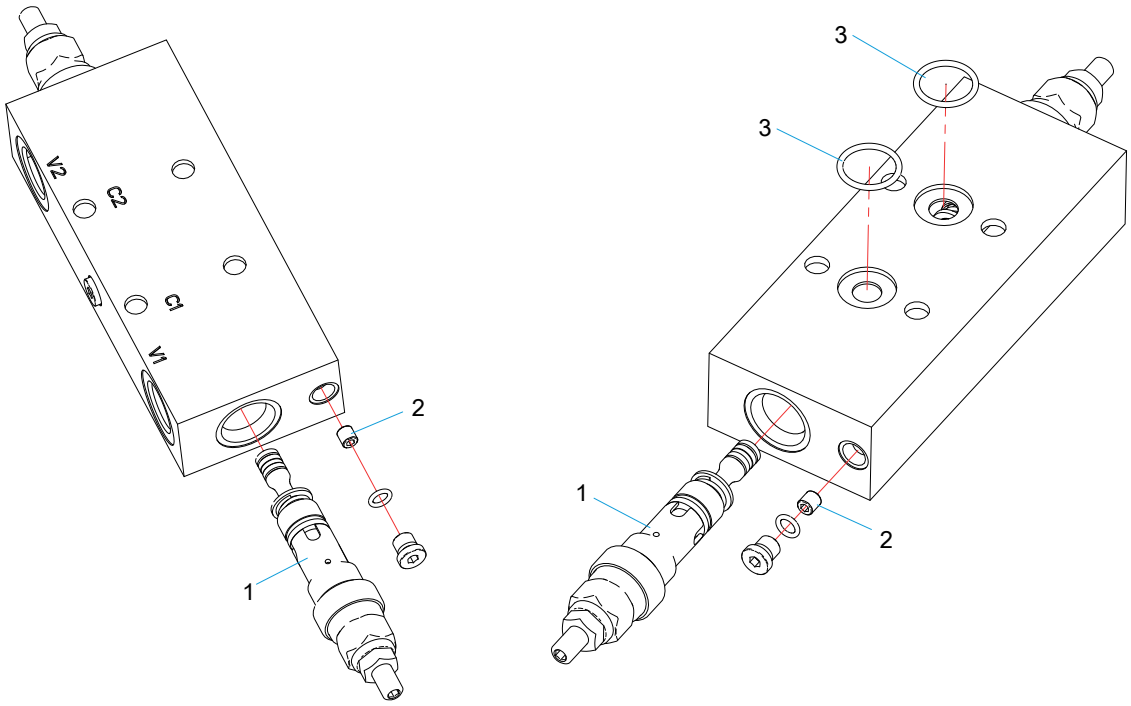
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202040003153	4	Coil

6.1.4.6 Platform manifold, duplex(PN.202040003259)



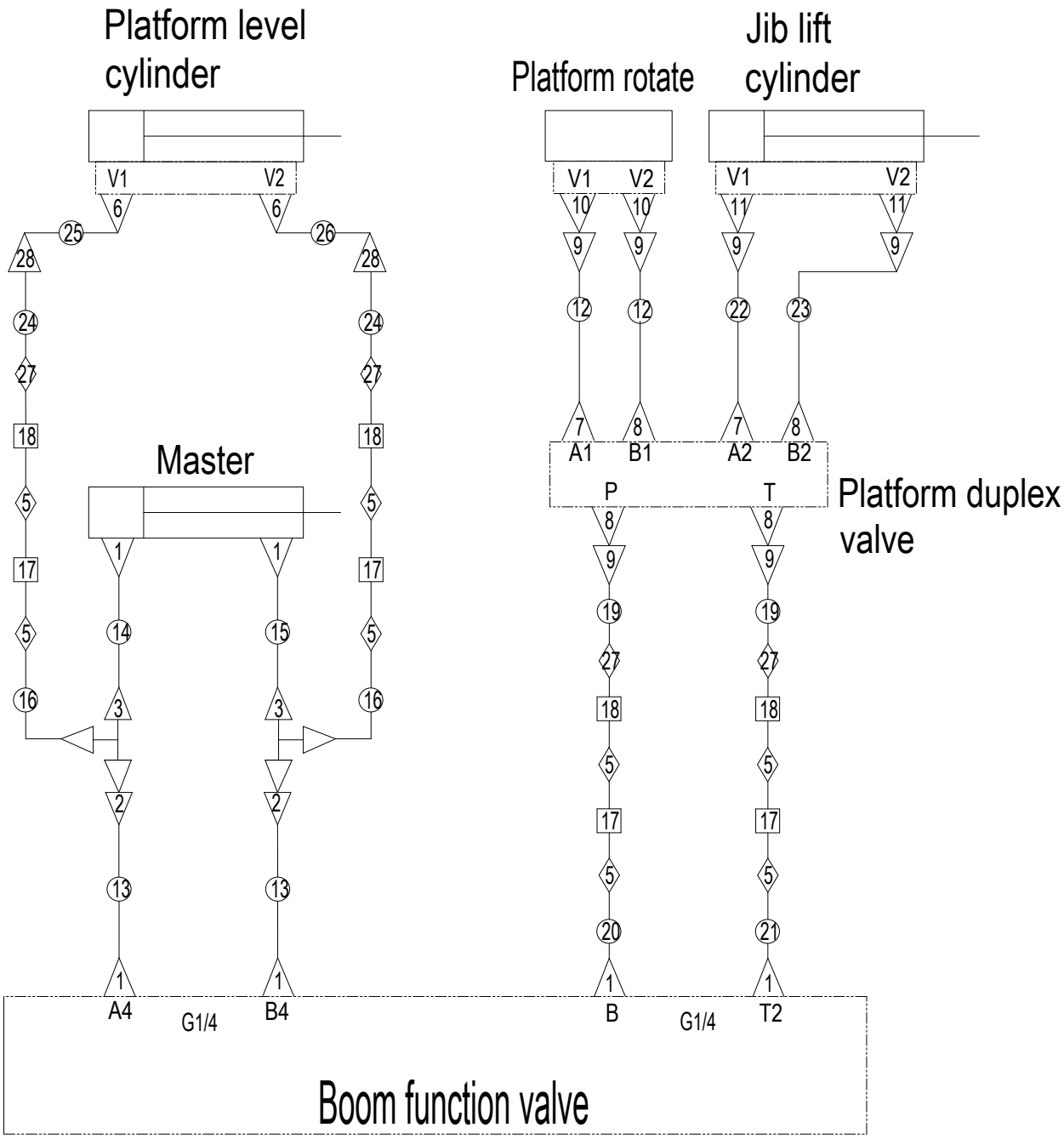
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202990003242	4	Coil

6.1.4.7 Lift Counterbalance Valve (PN.202040000377)



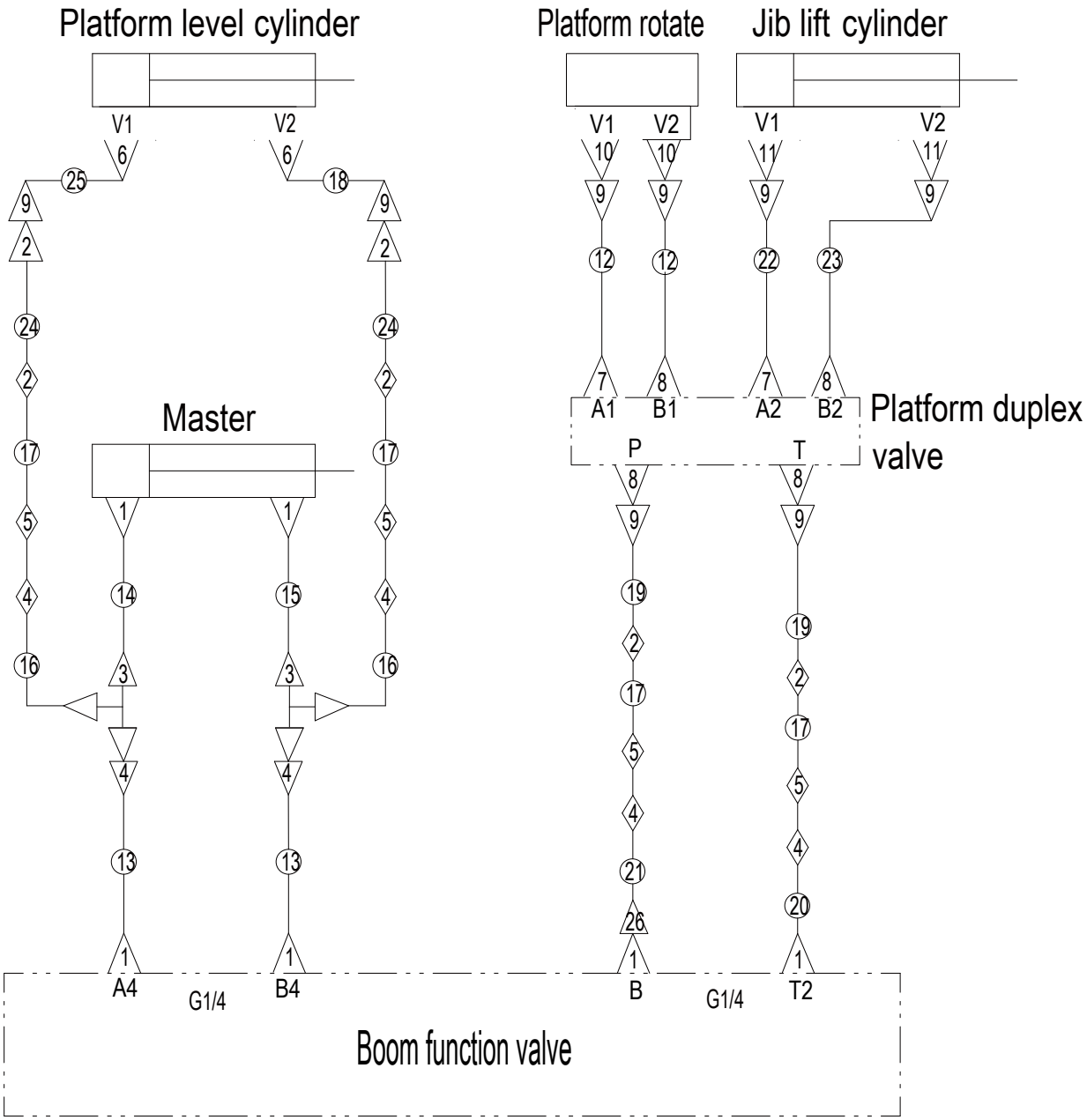
No.	Part No.	Qty.	Description
1	202990003156	2	Spool
2	202130003017	2	Damper
3	207060003005	2	O-ring

6.1.4.8 Boom Tubes Layout (Plastic cable track)



No.	Part No.	Qty.	Description
1	213010000012	6	Coupler
2	213010000093	2	Coupler
3	213010000079	2	Coupler
5	213010000126	8	Coupler
6	213010003029	2	Coupler
7	105030050010	2	Fitting, heightened
8	213010000007	4	Fitting
9	213010000024	6	Coupler
10	213010000013	2	Coupler
11	213010000047	2	Fitting
12	213050008344	2	Hose
13	213050008494	2	Hose
14	213050003373	1	Hose
15	213050003832	1	Hose
16	213050001029	2	Hose
17	105070053353	4	Steel tube assembly
18	105049053000	4	Steel tube
19	213050001513	2	Hose
20	213050013178	1	Hose
21	213050008778	1	Hose
22	213050008353	1	Hose
23	213050003096	1	Hose
24	213050008636	2	Hose
25	213050003949	1	Hose
26	213050003950	1	Hose
27	213010003139	4	Coupler
28	213010000139	2	Coupler

6.1.4.9 Boom Tubes Layout (Steel cable track)

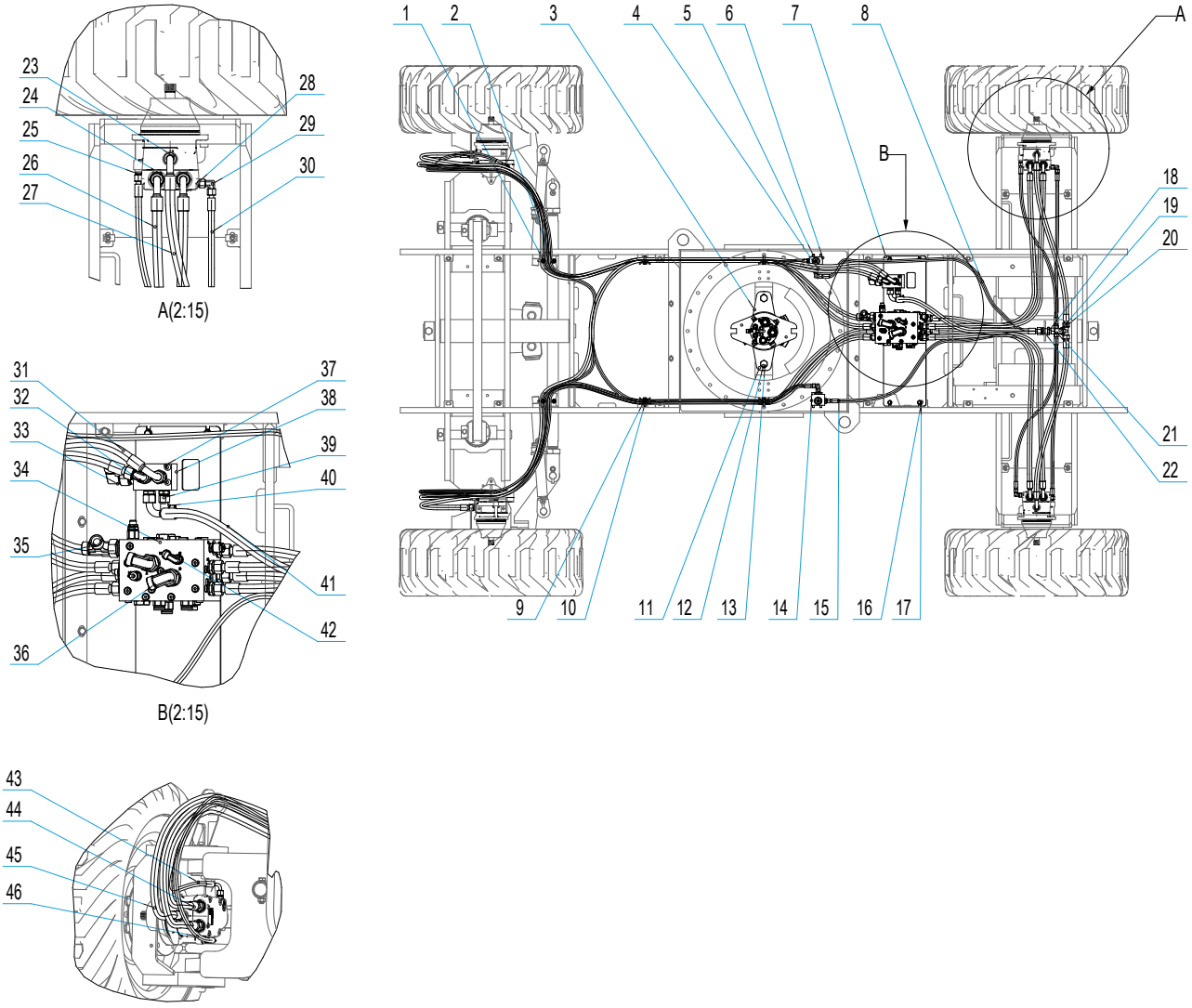


No.	Part No.	Qty.	Description
1	213010000012	6	Coupler
2	213010000139	6	Coupler
3	213010000079	2	Coupler
4	213010000093	6	Coupler
5	213010000157	4	Coupler
6	213010003029	2	Coupler
7	105030050010	2	Fitting, heightened
8	213010000007	4	Fitting
9	213010000024	8	Coupler
10	213010000013	2	Coupler
11	213010000047	2	Fitting
12	213050008344	2	Hose
13	213050008494	2	Hose
14	213050003373	1	Hose
15	213050003832	1	Hose
16	213050000962	2	Hose
17	213050014853	4	Hose
18	213050008639	1	Hose
19	213050008636	2	Hose
20	213050003395	1	Hose
21	213050008778	1	Hose
22	213050008353	1	Hose
23	213050003096	1	Hose
24	213050008637	2	Hose
25	213050008638	1	Hose
26	213010000009	1	Coupler

6.2 HYDRAULIC SYSTEM (MULTI-WAY VALVE)

6.2.1 CHASSIS HYDRAULIC SYSTEM

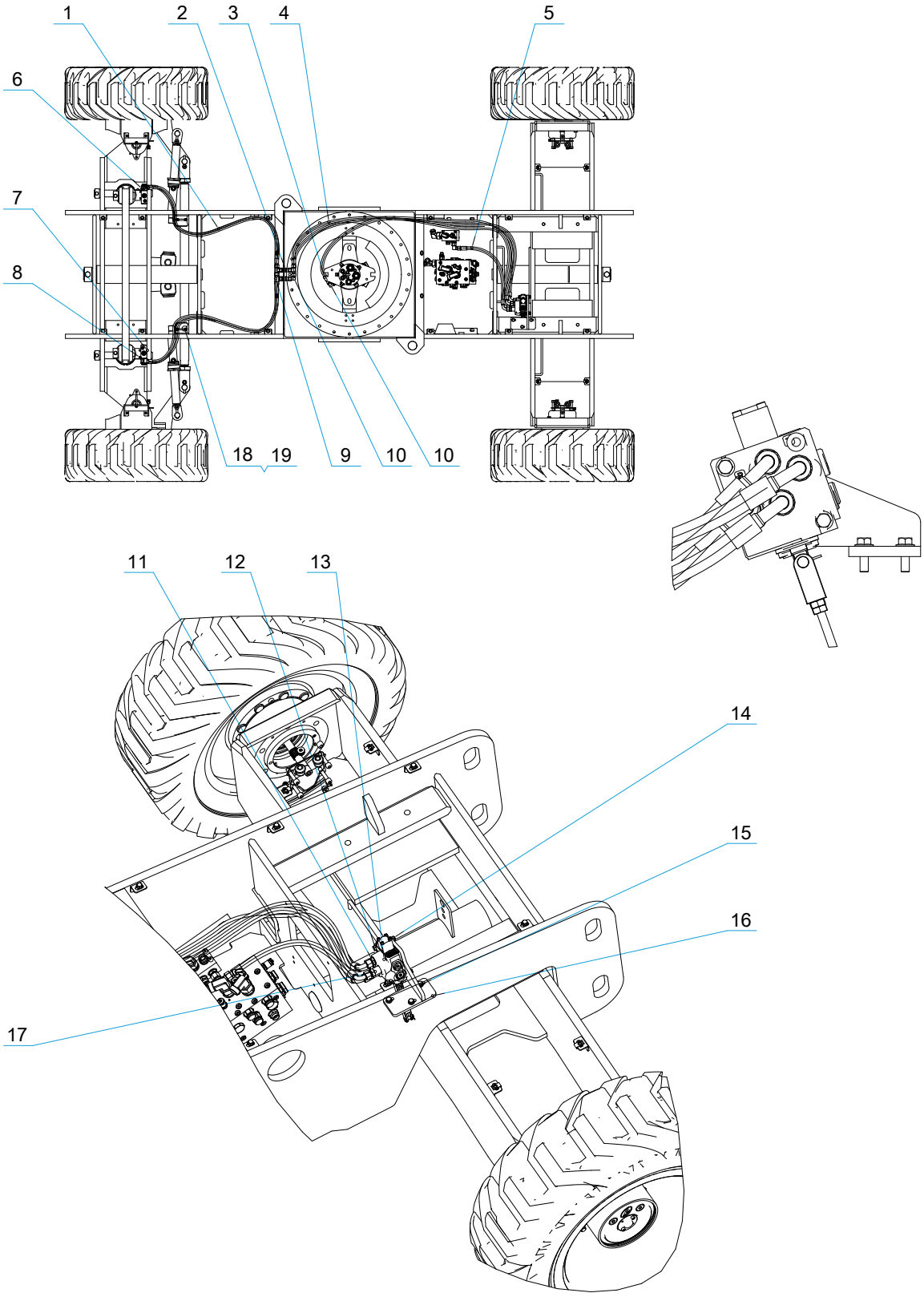
6.2.1.1 Pipe Layout Drawing of Drive Motor



No.	Part No.	Qty.	Description
1	104016020023	2	U-clamp
2	215030000108	7	Nut M8-8-ZnD GB/T 6183.1
3	105051053285	1	Hydraulic rotary coupler & fittings installation(See Details)
4	213010000047	1	Fitting
5	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
6	105051053370	1	X-port 2-speed manifold & fittings installation(See Details)
7	103008030018	1	Plate, Mounting, Drive Control Valve
8	213050000263	1	Hose
9	215010000236	8	Bolt M8×30-8.8-ZnD GB/T 5789
10	103003050039	4	Bracket
11	215040000022	2	Washer 20-200HV-ZnD GB/T 96.1
12	215030000098	2	Nut M20-8-ZnD GB/T 889.1
13	215010000125	2	Bolt M20×50-10.9-DKL GB/T 5783

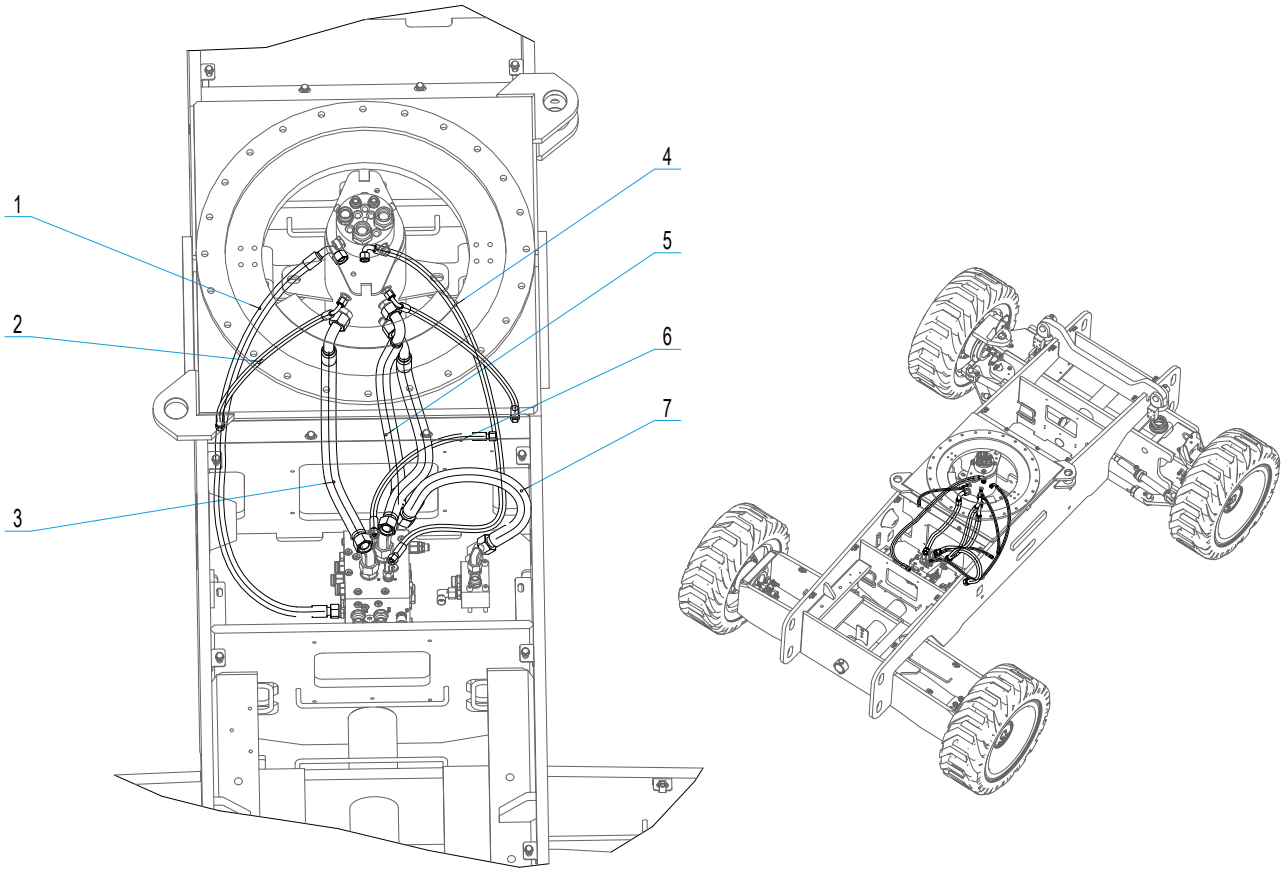
No.	Part No.	Qty.	Description
14	105051053366	1	N-port brake manifold & fittings installation(See Details)
15	213050001155	1	Hose
16	215010000234	8	Bolt M8×20-8.8-ZnD GB/T 5789
17	215030000106	4	B type spring nuts
18	213010000110	1	Coupler
19	213010000170	1	Coupler
20	213010000241	1	Coupler
21	213010000158	2	Coupler
22	213010000139	2	Coupler
23	213010000089	4	Coupler
24	213010000152	8	Fitting
25	213010000013	4	Coupler
26	213050000595	4	Hose
27	213050000613	2	Hose
28	213010000144	4	Coupler
29	213010000024	5	Coupler
30	213050003095	4	Hose
31	213050000612	1	Hose
32	213010000008	1	Coupler
33	213010000041	1	Coupler
34	105074053017	1	Drive control valve(4WD) & Fittings Installation(See Details)
35	213010000043	1	Coupler
36	213010000056	2	Coupler
37	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
38	105051053381	1	L-port drain manifold & fittings installation(See Details)
39	213010000005	1	Coupler
40	213010000055	1	Coupler
41	213050001505	1	Hose
42	213010000009	1	Coupler
43	213050000608	2	Hose
44	213050000492	4	Hose
45	213050000610	1	Hose
46	213050000430	2	Hose

6.2.1.2 Oscillating Pipe Layout Drawing of Chassis



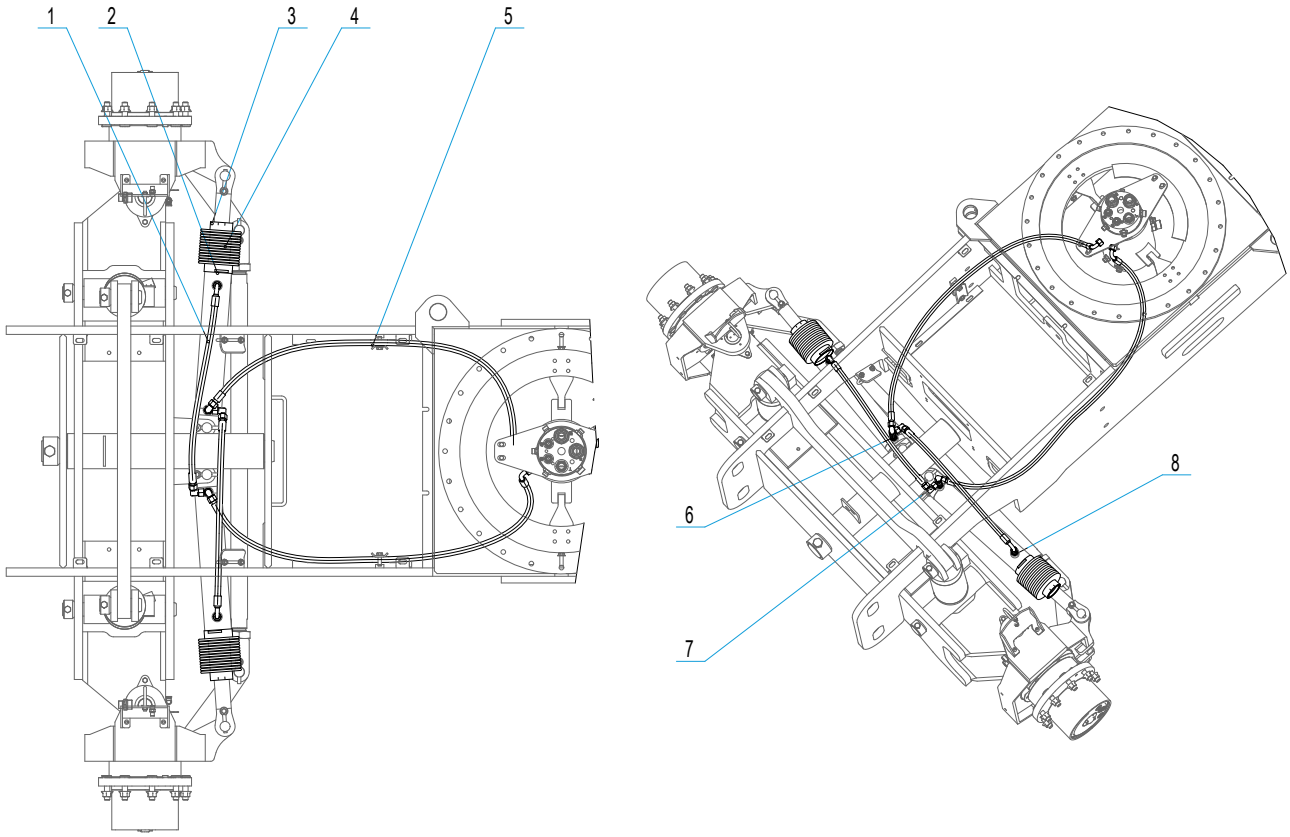
No.	Part No.	Qty.	Description
1	213050003072	4	Hose
2	213010000087	2	Coupler
3	213050001519	1	Hose
4	213050000059	2	Hose
5	213050000207	1	Hose
6	213010000136	4	Coupler
7	202040003032	2	Oscillate counterbalance valve
8	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
9	213010000155	2	Coupler
10	213010000055	3	Coupler
11	213010000005	2	Coupler
12	215010000066	2	Bolt M8×65-8.8-ZnD GB/T 5783
13	114015053132		OPT, valve (manifold, oscillate control)
13-1	202040003026	1	Oscillate multi-way valve(1000191)
13-2	202040003485	1	Oscillate control manifold(1000179)
14	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
15	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
16	112001053153	1	Bracket, mounting (multi-way valve, osci
17	213010003251	2	Coupler
18	104016020023	2	U-clamp
19	215030000026	4	Nut M8-8-ZnD GB/T889.1

6.2.1.3 Pipe Layout Drawing of Chassis Rotary Coupler



No.	Part No.	Qty.	Description
1	213050000841	1	Hose
2	213050003176	2	Hose
3	213050008057	2	Hose
4	213050000387	1	Hose
5	213050000945	1	Hose
6	213050000196	1	Hose
7	213050000431	1	Hose

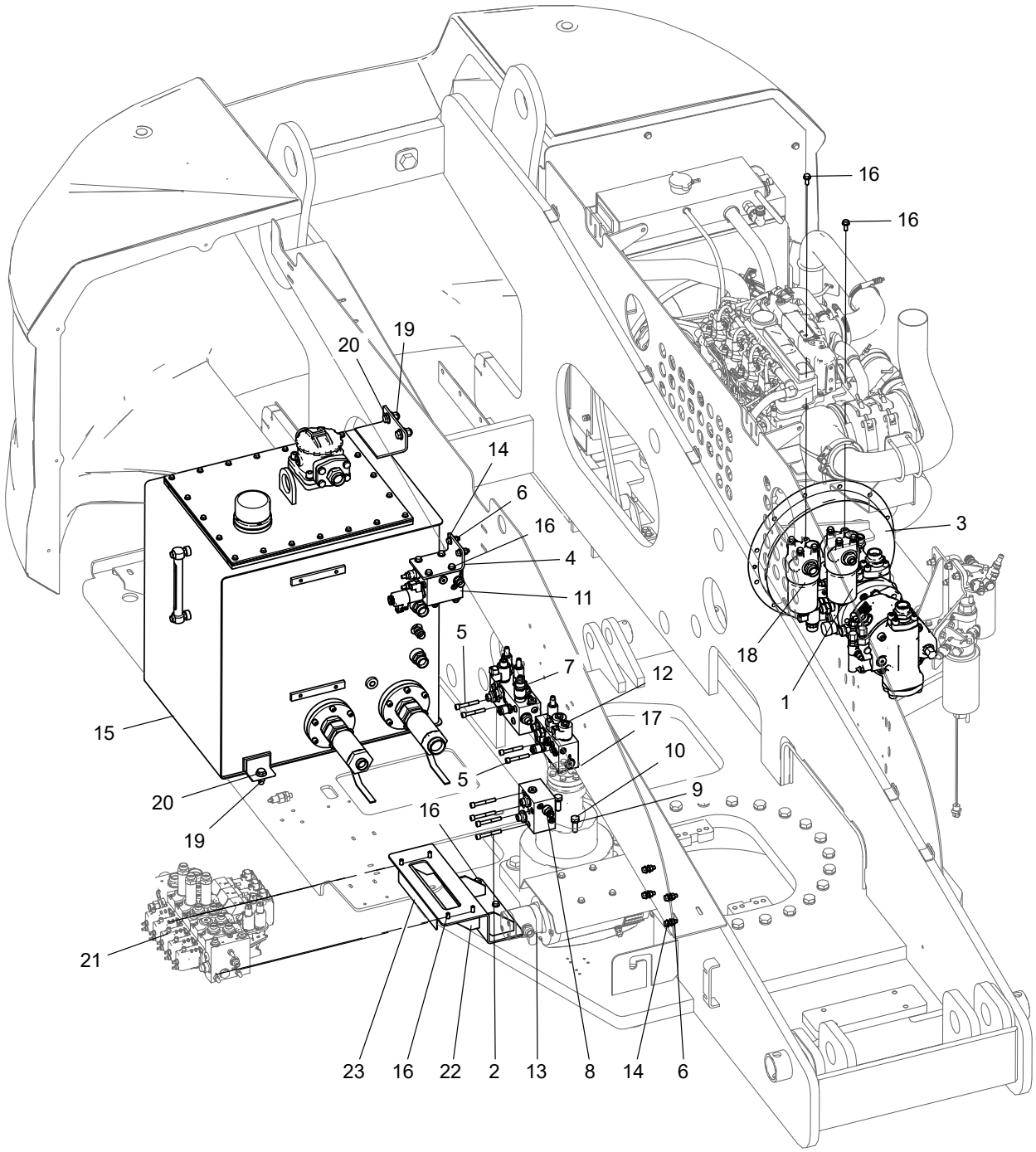
6.2.1.4 Pipe Layout Drawing of Steering



No.	Part No.	Qty.	Description
1	213050000044	2	Hose
2	216020000009	2	Hose clamp
3	216020000002	2	Clamp
4	105047050001	2	Bellow, steer cylinder
5	213050000411	2	Hose
6	213010000032	2	Coupler
7	213010000055	4	Coupler
8	213010000031	4	Coupler

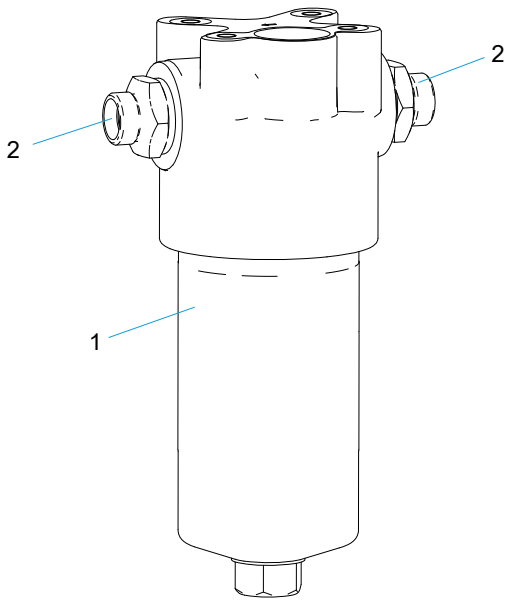
6.2.2 TURNTABLE HYDRAULIC SYSTEM

6.2.2.1 Turntable Hydraulic Components Installation



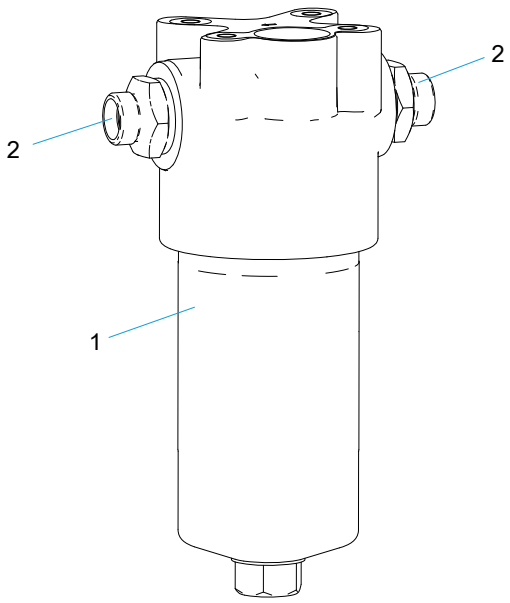
No.	Part No.	Qty.	Description
1	103011053052	1	Filter & fittings installation options
2	215020000039	4	Screw M8×60-10.9-DKL GB/T 70.1
3	105051053303		Pump drive options
3-1	105051053292	1	Cummins oil pump transmission
3-2	105051053305	1	Deutz pump drive unit
3-3	105064053050	1	YuChai oil pump driving device
4	105078023093	1	Fold Plate
5	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
6	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
7	105054053027	1	Oscillate control valve & fittings installation
8	105051053266	1	Slewing buffer valve options
9	215040000007	2	Washer 12-ZnD GB/T 93
10	215010000092	2	Bolt M12×35-8.8-ZnD GB/T 5783
11	105078053064	1	Installation of leveling valve block connector
12	105051053274		Brake/2-speed control valve options
12-1	105051053275	1	Brake/2-speed valve & fittings installation(1000176)
12-2	105063053448	1	Brake/2-speed valve & fittings installation(1000282)
13	105051053271	1	Power unit fittings installation
14	215010000235	6	Bolt M8×25-8.8-ZnD GB/T 5789
15	105051053261	1	Hydraulic tank & fittings installation
16	215010000234	20	Bolt M8×20-8.8-ZnD GB/T 5789
17	202020000005	1	Cycloid motor
18	114015053093	1	Filter & fittings installation options
19	215030000110	4	Nut M12-8-ZnD GB/T 6183
20	215010000243	4	Bolt M12×30-8.8-ZnD GB/T 5789
21	105078053094	1	Multiway valve connector installation
22	105068053012	1	Five-Way Multicircuit Valve Bracket
23	105070053285	1	Decal-Valve Emergency Operation

6.2.2.2 High Pressure Filter and Fittings Installation Options



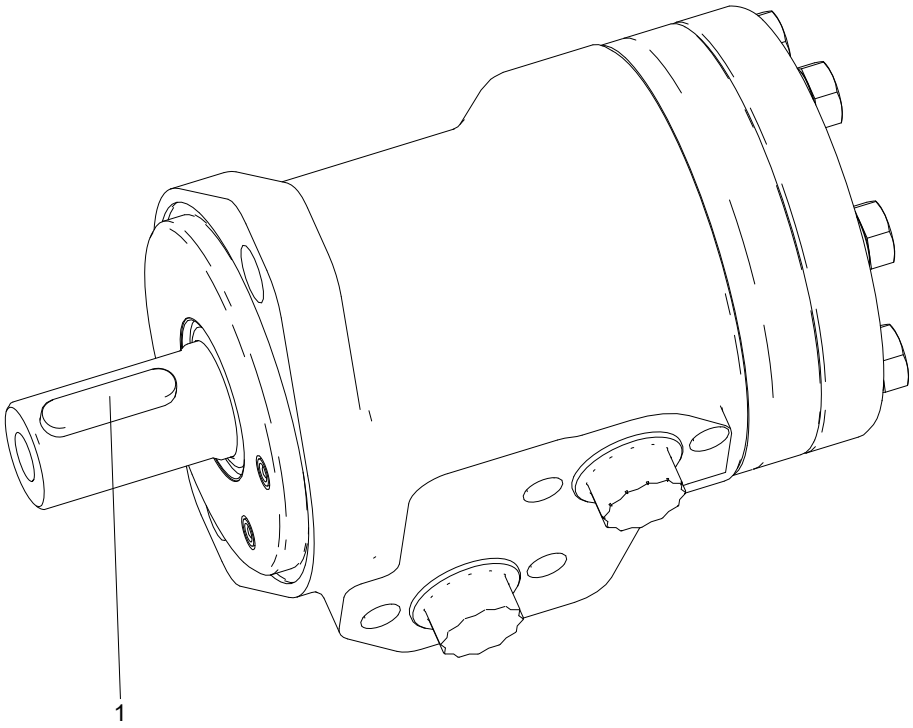
No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(SC：1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(SC：1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.2.2.3 Filter & fittings installation options



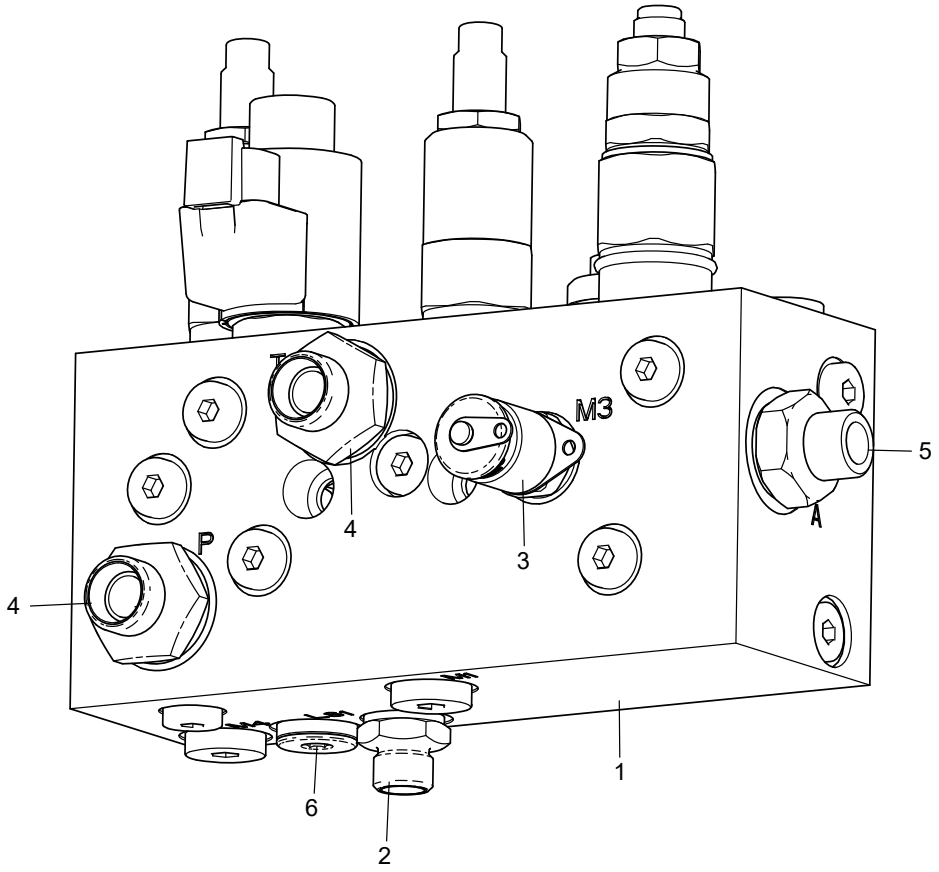
No.	Part No.	Qty.	Description
	114015053093		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(SC：1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(SC：1000060)
1-2a	202080000048	1	Filter element
2	213010000045	2	Coupler

6.2.2.4 Cycloid Motor (PN.202020000005)



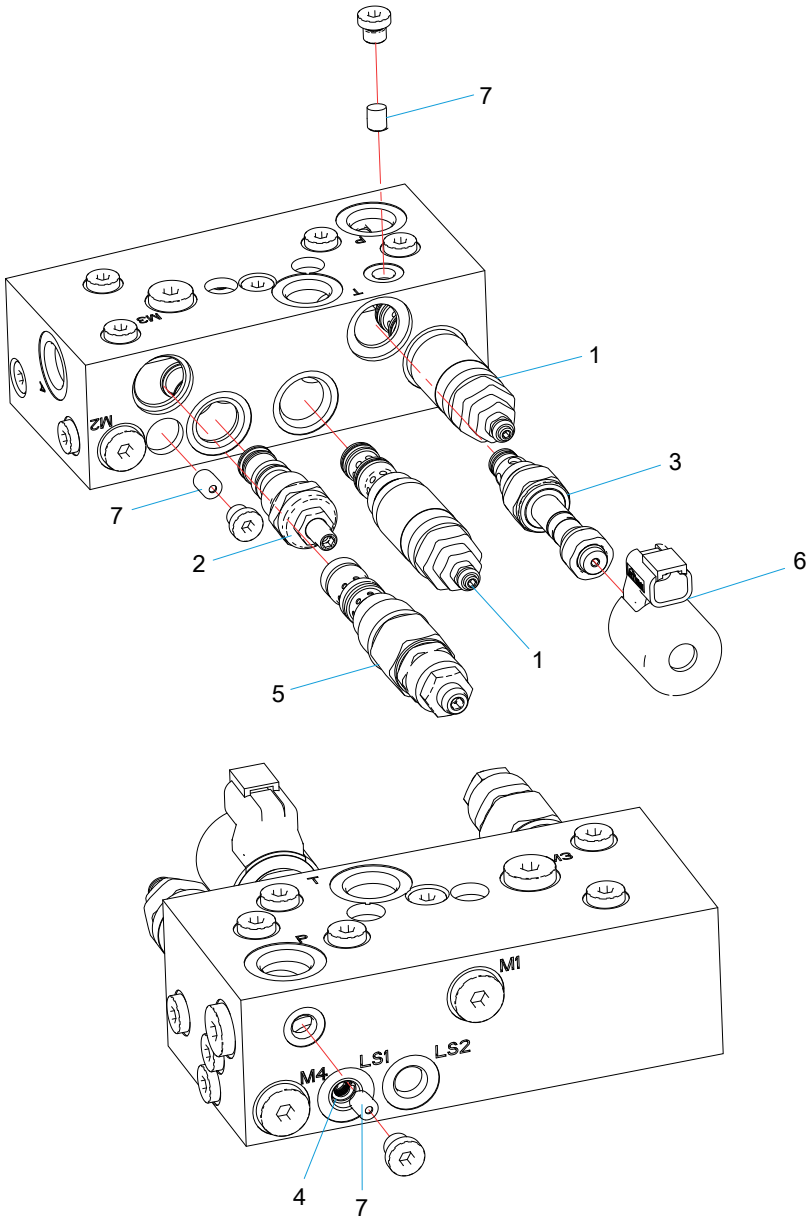
No.	Part No.	Qty.	Description
1	204200003000	1	Flat key
2	207990003032	1	Seal kit, Cycloid motor(Not shown)

6.2.2.5 Oscillate Control Valve and Fittings Installation



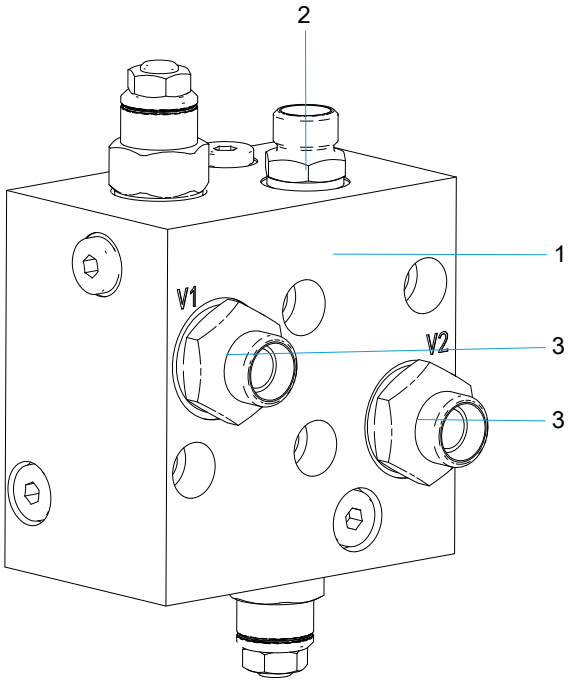
No.	Part No.	Qty.	Description
1	202040003514	1	Oscillate control vlave
2	213010000007	1	Fitting
3	213010000010	1	Coupler
4	213010000038	2	Coupler
5	213010000125	1	Fitting
6	213060000003	1	Plug

6.2.2.6 Oscillate Control Valve (PN.202040003514)



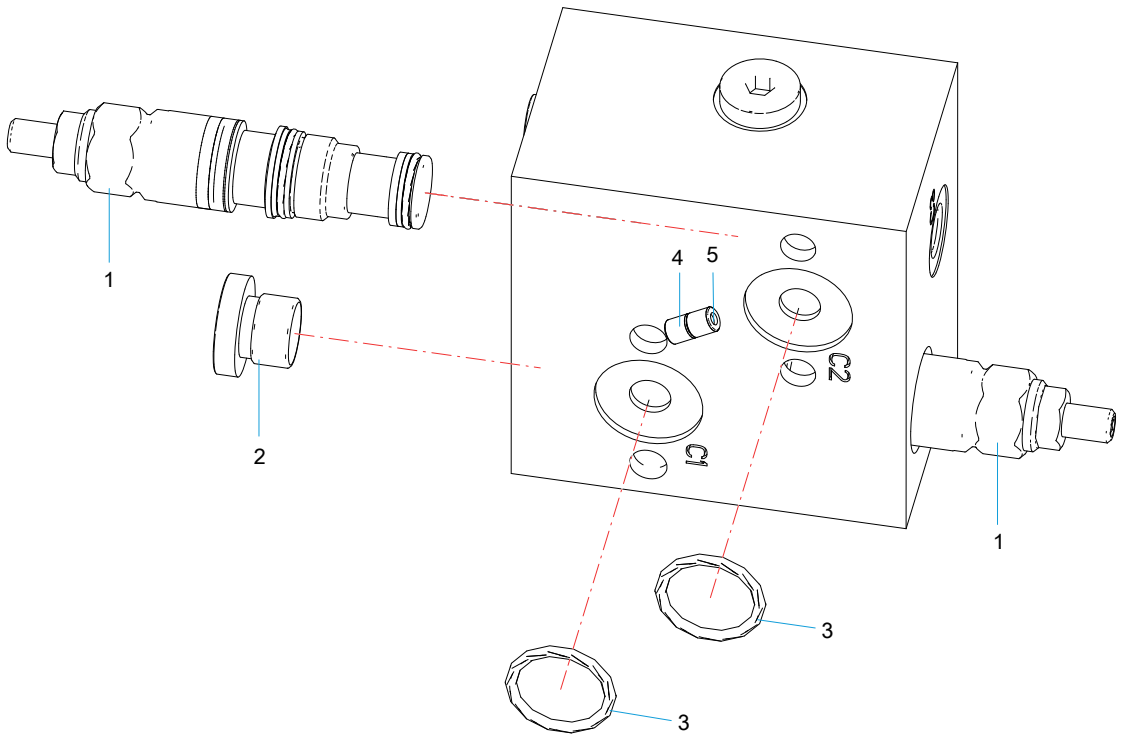
No.	Part No.	Qty.	Description
1	202040003345	2	Pressure reducing valve
2	202040003353	1	Flow valve
3	202990003453	1	Electric valve
4	202990003154	1	Shuttle valve
5	202040003346	1	Hydraulic controlled valve
6	202990003144	1	Coil
7	202130003003	3	Damper

6.2.2.7 Rotary Cushion Valve and Fittings Installation



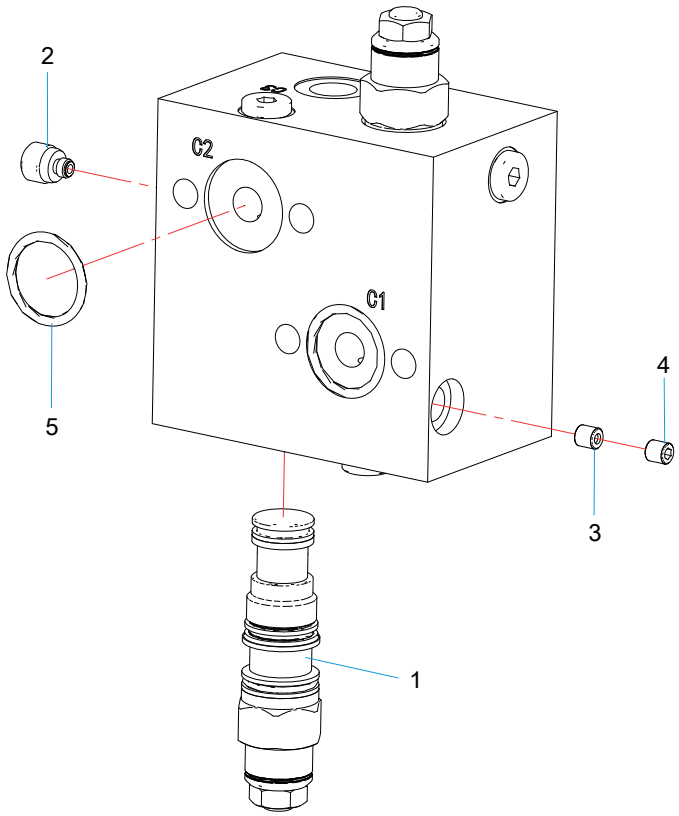
No.	Part No.	Qty.	Description
1	105051053266		Slewing buffer valve options
1-1	202040003257	1	Rotary buffer valve(SC：1000282)
1-2	202040003061	1	Rotary Cushion Valve(SC：1000176)
2	213010000012	1	Coupler
3	213010000038	2	Coupler

6.2.2.8 Rotary Cushion Valve (PN.202040003061)



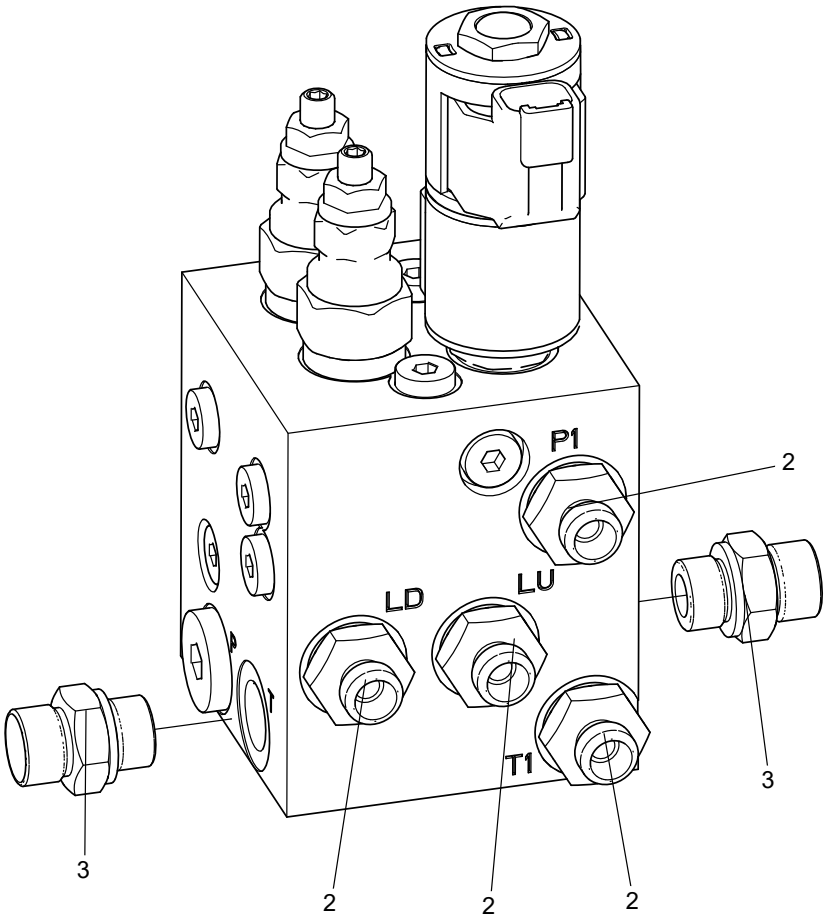
No.	Part No.	Qty.	Description
1	202990003036	2	Counterbalance valve spool
2	202990003063	1	Shuttle valve
3	207040003051	2	O-ring
4	202130003004	1	Damper
5	202130003003	1	Damper

6.2.2.9 Rotary buffer valve(PN.202040003257)



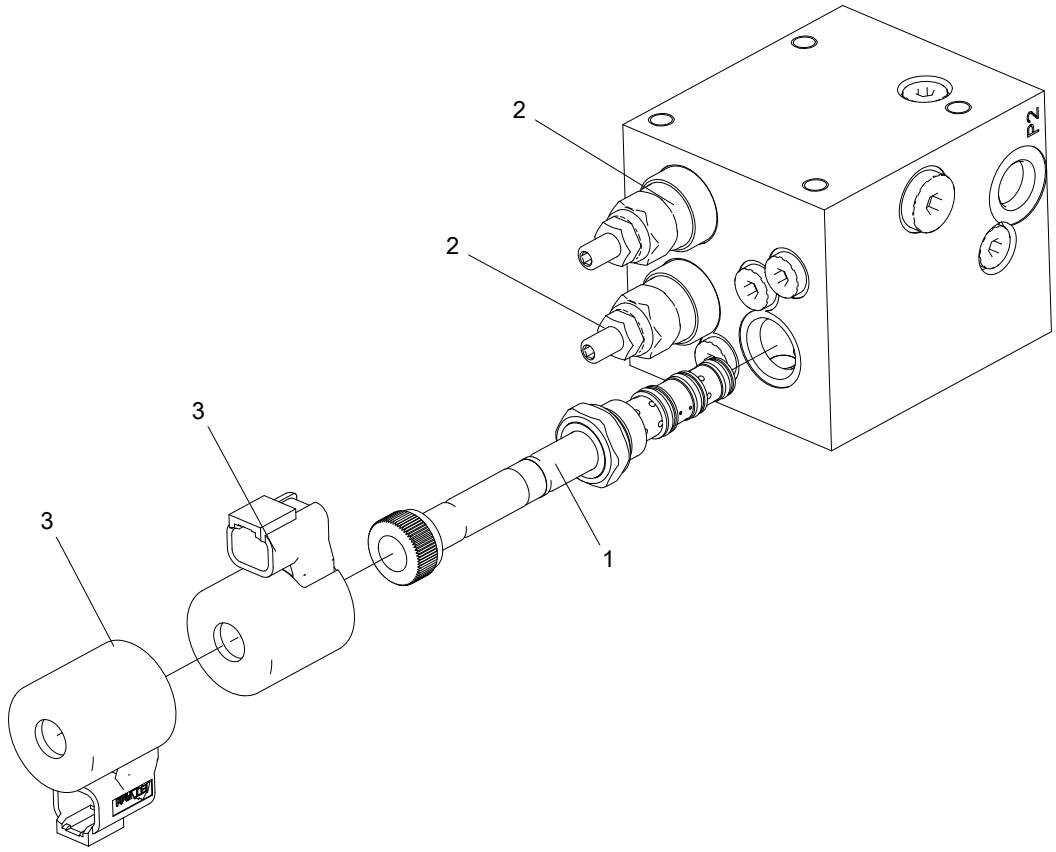
No.	Part No.	Qty.	Description
1	202990003274	2	Balance valve
2	202990003062	1	Shuttle valve
3	202130003003	1	Damper
4	202130003004	1	Damper
5	207040003051	2	O-ring

6.2.2.10 Leveling Valve and Fittings Installation



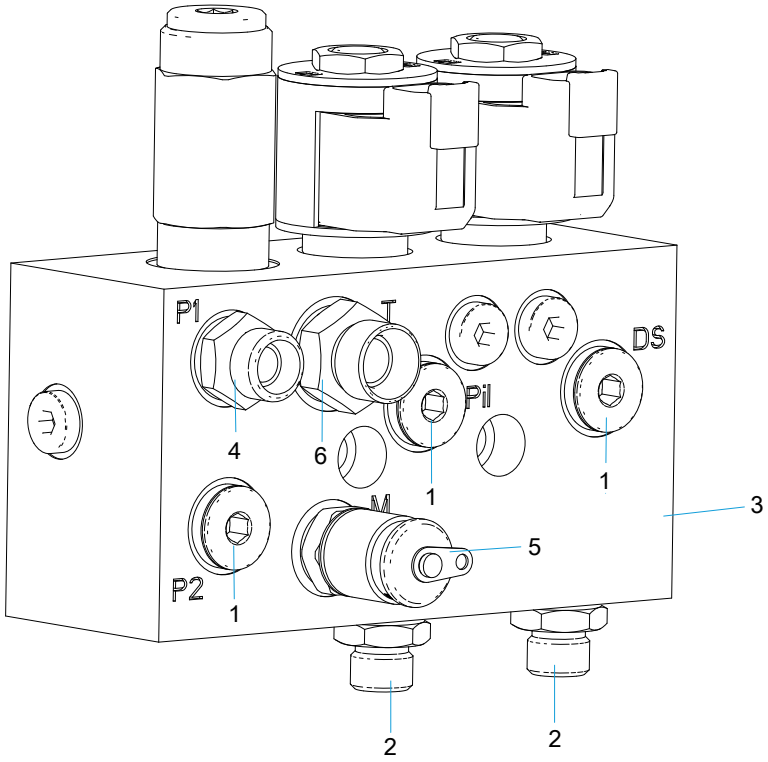
No.	Part No.	Qty.	Description
1	202040003336	1	Leveling valve
2	213010000047	4	Fitting
3	213010000005	2	Coupler

6.2.2.11 Leveling Valve (PN.202040003336)



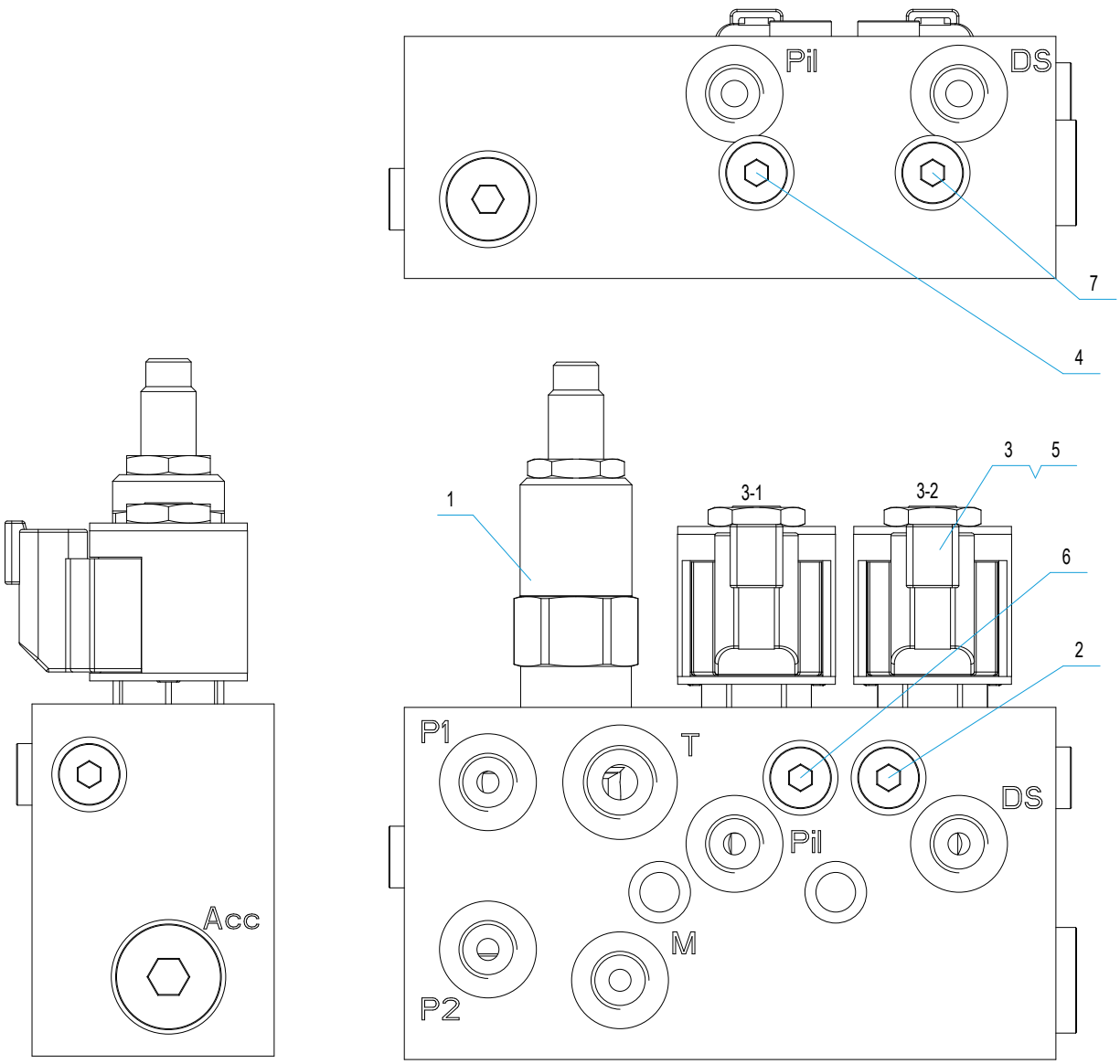
No.	Part No.	Qty.	Description
1	202040003371	1	Electric valve
2	202990003249	2	Counterbalance valve
3	202990003144	2	Coil

6.2.2.12 Brake/2-speed Control Valve (1000176) and Fittings Installation



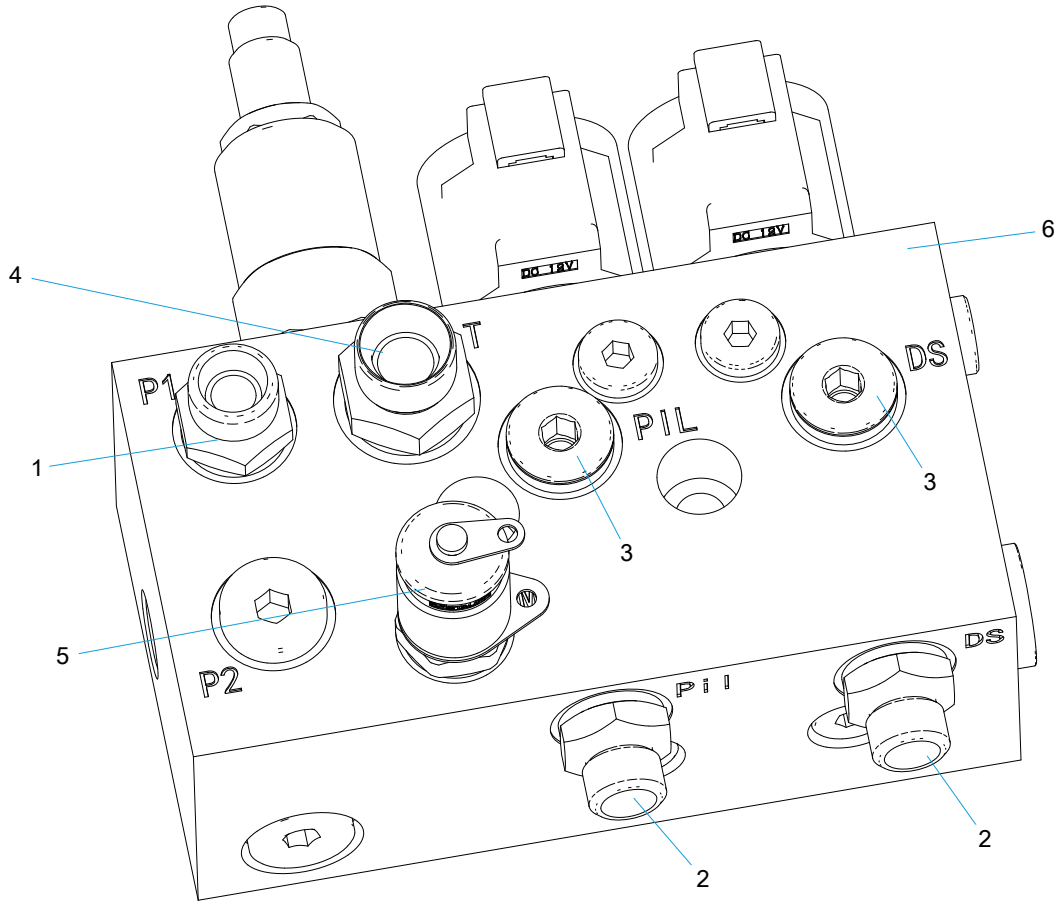
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake/2-speed control valve(12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.2.2.13 Brake/2-speed Control Valve (PN.202040000006)



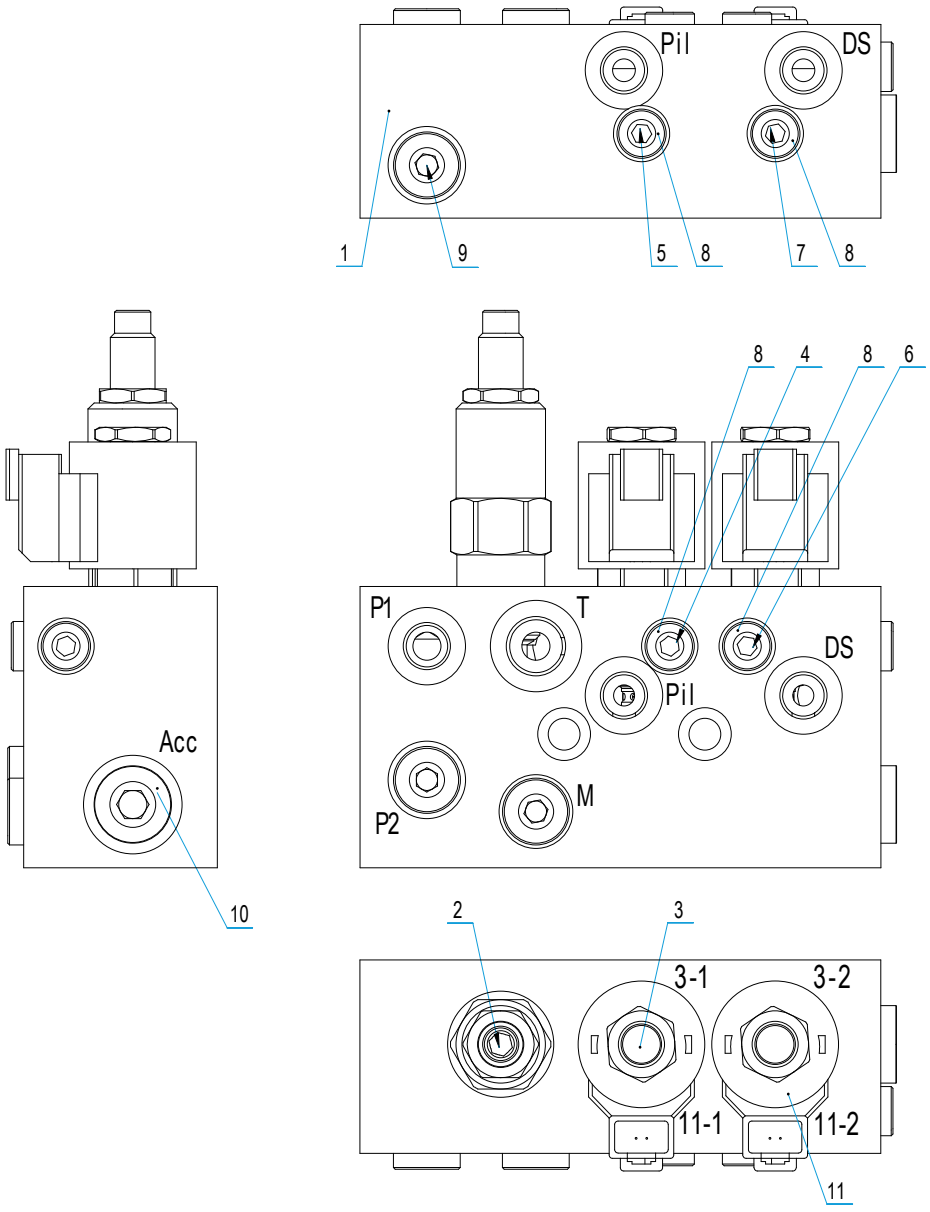
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.2.2.14 Brake/2-speed Control Valve and Fittings Installation (SC: 1000282)



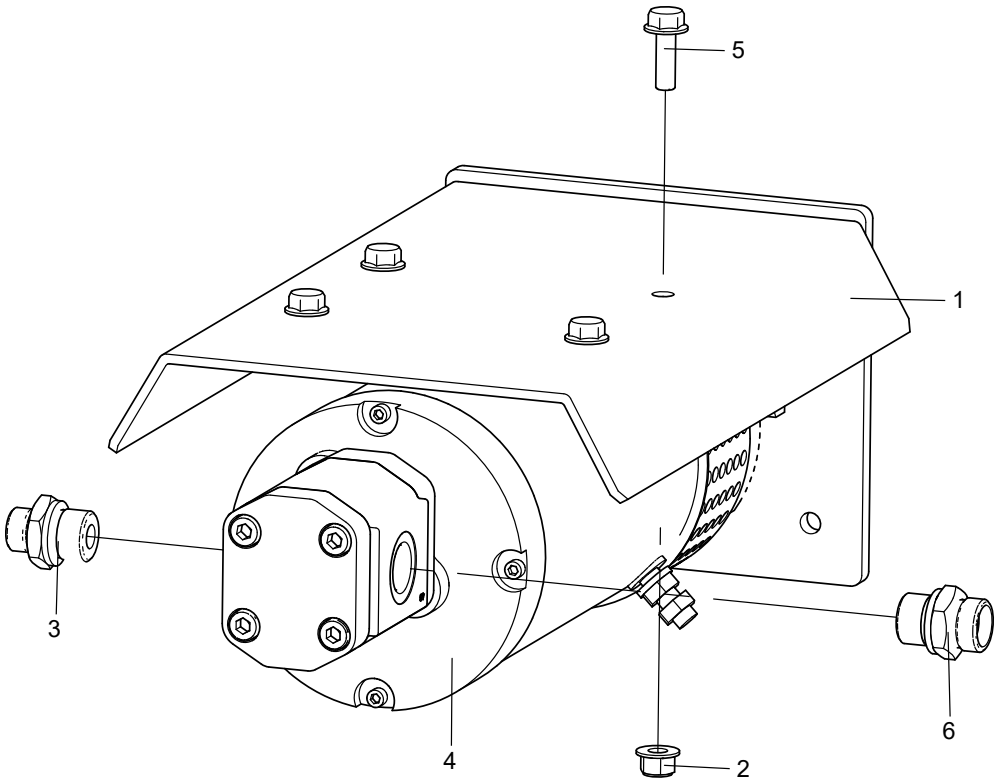
No.	Part No.	Qty.	Description
1	213010000012	1	Coupler
2	213010000007	2	Fitting
3	213060000003	2	Plug
4	213010000005	1	Coupler
5	213010000010	1	Coupler
6	202040003258	1	Two speed/brake manifold

6.2.2.15 Brake/2-speed Control Valve (PN.202040003258)



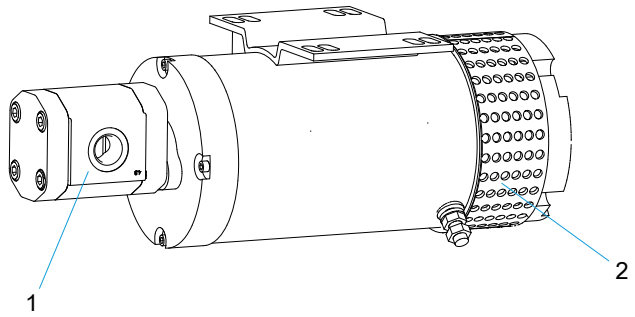
No.	Part No.	Qty.	Description
2	202990003735	1	Pressure relief valve
3	202990003736	2	Electric valve
4	202130003015	1	Damper
5	202130000004	1	Plug
6	202130000008	1	Damper plug
7	202130000001	1	Damper
11	202990003242	2	Coil

6.2.2.16 Power Unit and Fittings Installation



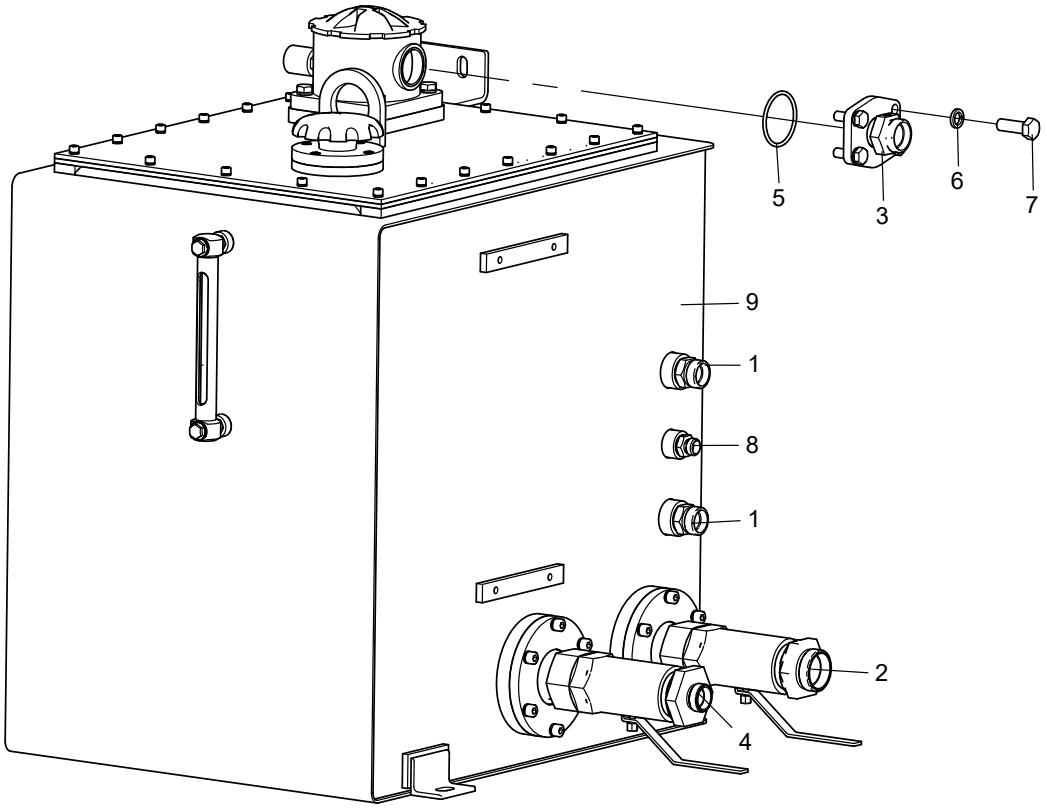
No.	Part No.	Qty.	Description
1	105001020254	1	Bracket
2	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
3	213010000038	1	Coupler
4	105074053142		Emergency power unit options
4-1	202010000041	1	Power unit, 12V(1000250)
4-2	202010003090	1	Power unit(1000631)
5	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
6	213010000039	1	Coupler

6.2.2.17 Power unit(PN.202010000041)



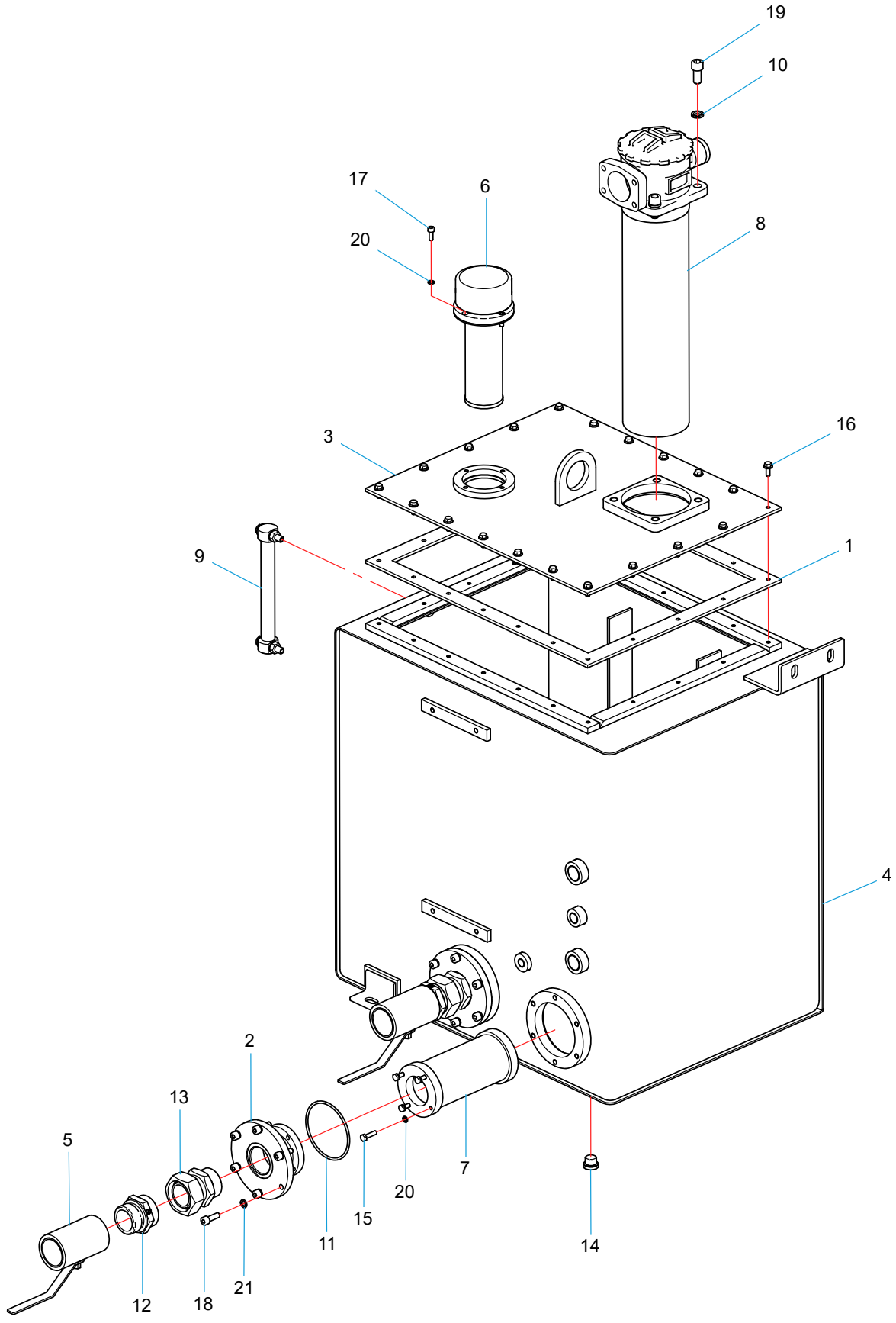
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.2.2.18 Hydraulic Tank and Fittings Installation



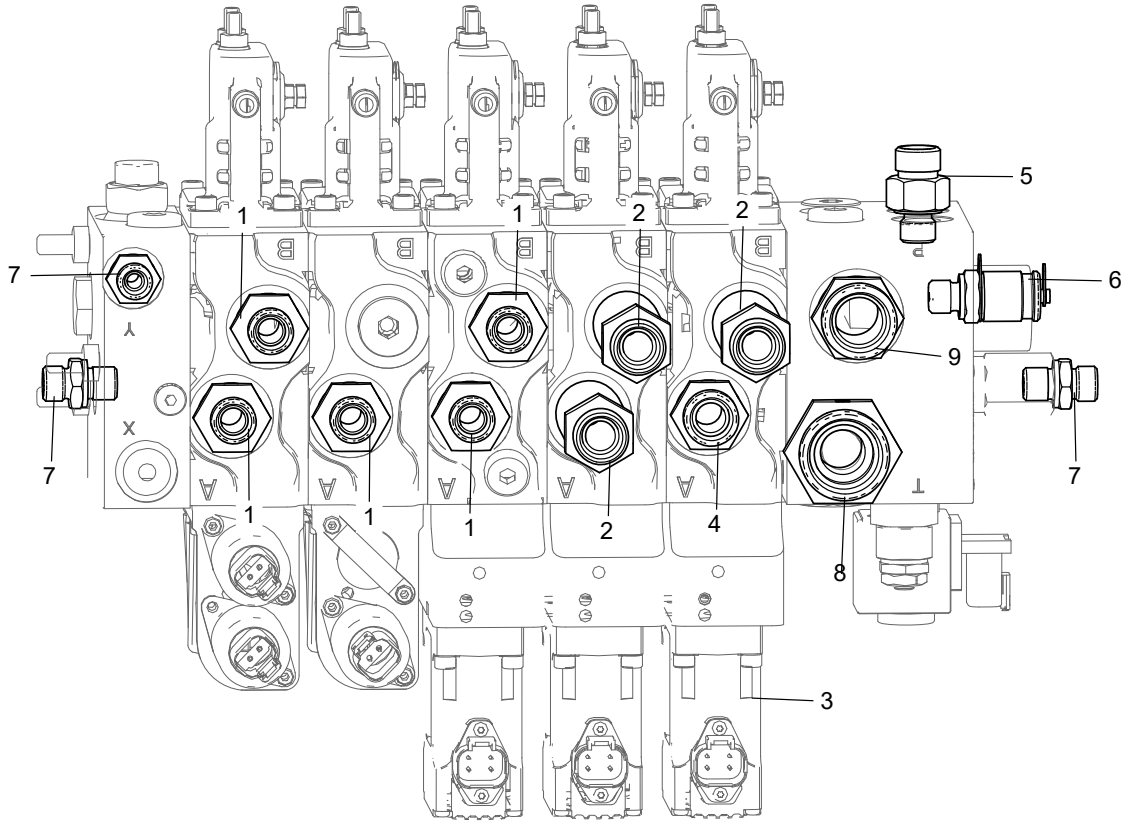
No.	Part No.	Qty.	Description
1	213010000037	2	Coupler
2	105001050011	1	Fitting
3	104008050035	1	Fitting, flange
4	105001050002	1	Fitting
5	207040000017	1	O ring 53×3.55 GB/T 3452.1
6	215040000006	4	Washer 10-ZnD GB/T 93
7	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
8	213010000086	1	Coupler
9	105025023414	1	Hydraulic tank assembly

6.2.2.19 Hydraulic Tank Assembly (PN.105025023414)



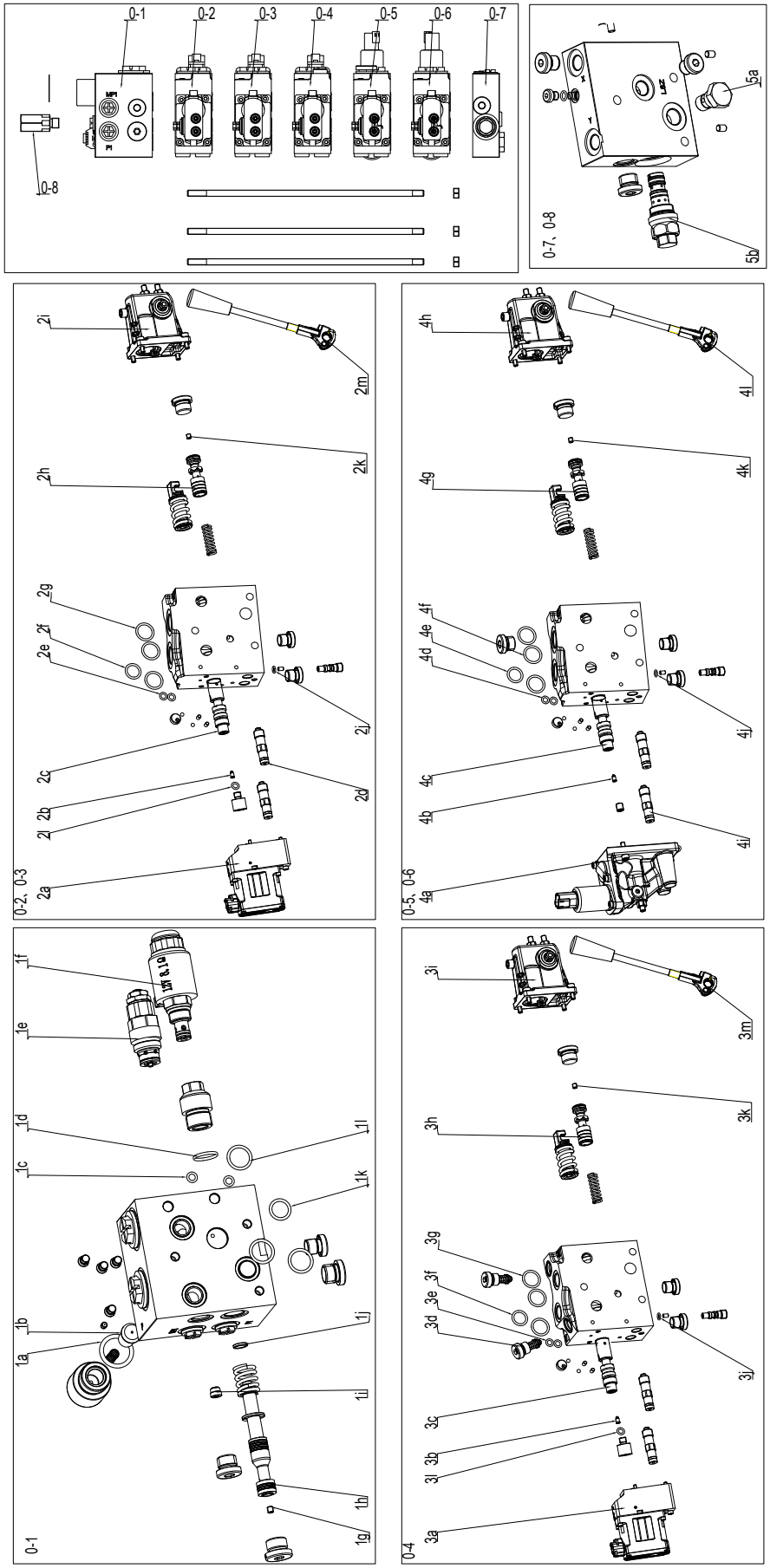
No.	Part No.	Qty.	Description
1	105001020021	1	Gasket, rubber
2	105001020024	2	Flange
3	105025023415	1	Cover
4	105025023417	1	Housing
5	202040000017	2	Valve
6	202070003014	1	Air filter
6a	202070003015	1	Filter element
7	202080000004	2	Oil suction filter
8	202080000005	1	Return filter
8a	202080003012	1	Filter element
9	202120000004	1	Level gauge
10	215040000007	4	Washer 12-ZnD GB/T 93
11	207040003004	2	O-ring
12	213010000058	2	Coupler
13	213010000059	2	Coupler
14	213060000006	1	Plug
15	215010000052	8	Bolt M6×25-A2-70 GB/T 5783
16	215010000230	20	Bolt M6×16-8.8-ZnD GB/T 5789
17	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
18	215020000024	12	Screw M8×25-8.8-ZnD GB/T 70.1
19	215020000072	4	Screw M12×25-8.8-ZnD GB/T 70.1
20	215040000004	12	Washer 6-A2-70 GB/T 93
21	215040000005	12	Washer 8-ZnD GB/T 93

6.2.2.20 Hengli Multi-way Valve and Fittings Installation



No.	Part No.	Qty.	Description
1	213010000038	5	Coupler
2	213010003183	3	Coupler
3	202040003254	1	Multi-way Valve
4	213010000039	1	Coupler
5	213010000036	1	Coupler
6	213010000010	1	Coupler
7	213010000007	3	Fitting
8	213010000143	1	Coupler
9	213010000045	1	Coupler

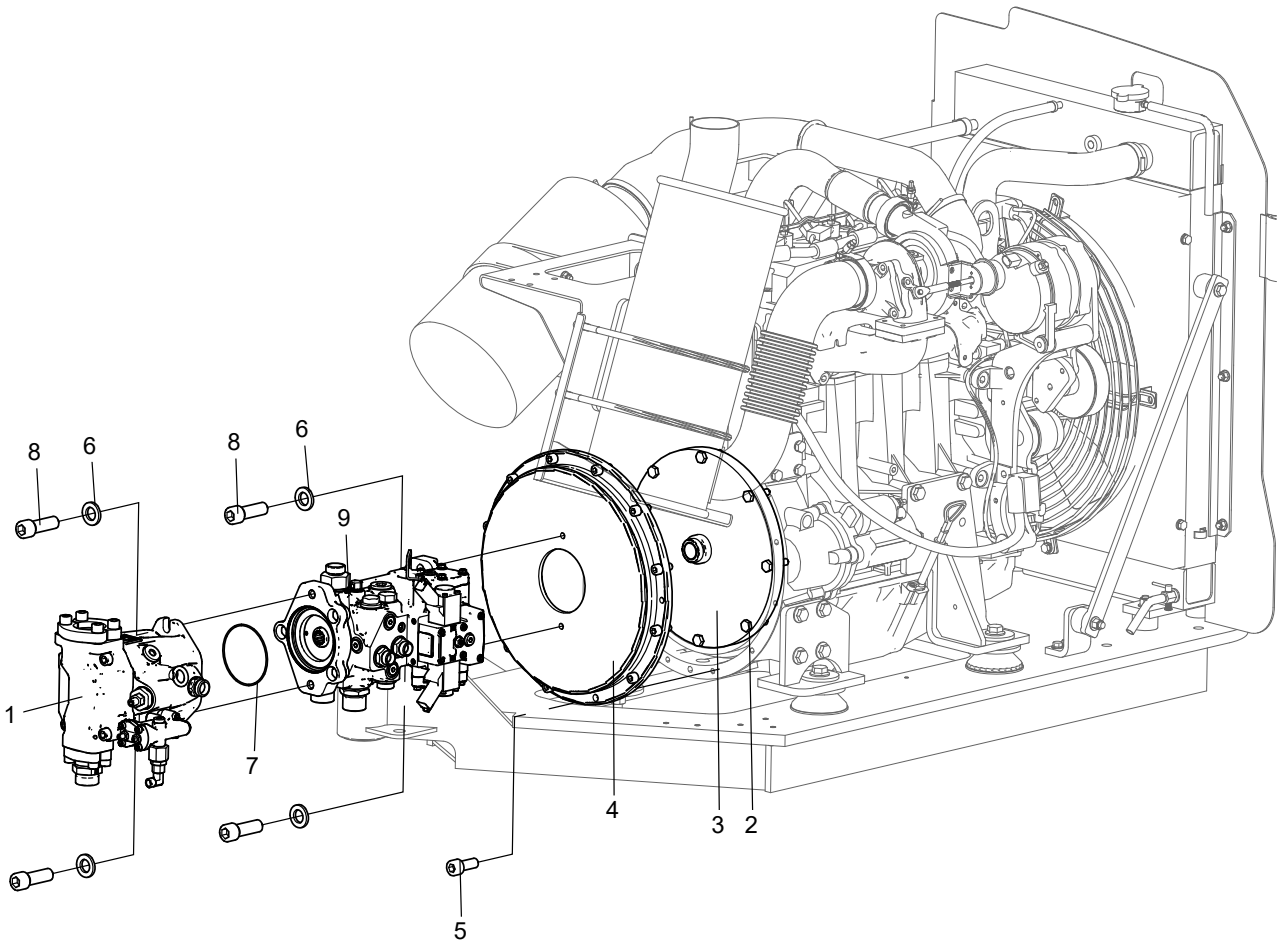
6.2.2.21 Quintuplet multi-way valve (PN.202040003254)



No.	Part No.	Qty.	Description
1a	202990003284	1	O-ring
1b	202990003291	1	Poppet valve
1c	202990003285	2	O-ring
1d	202990003286	1	O-ring
1e	202990003292	1	Safety valve
1f	202990003293	1	Solenoid on-off valve
1g	202130003032	2	Throttling plugging
1h	202990003294	1	Unload valve core
1i	202990003295	1	Check valve
1j	207060003074	1	Combined seal ring
1k	202990003287	1	O-ring
1l	202990003288	3	O-ring
2a-1	202990003296	1	Bus end cover component(0-2 only)
2a-2	202990003336	1	Bus end cover component(0-3 only)
2b	202990003297	1	Check valve
2c-1	202990003298	1	The main valve core(0-2 only)
2c-2	202990003303	1	The main valve core(0-3 only)
2d	202990003338	1	LS Relief valve
2e	202990003285	2	O-ring
2f	202990003287	1	O-ring
2g	202990003288	3	O-ring
2h	202990003300	1	The compensation valve core
2i	202990003301	1	End cover component
2j	202990003289	1	O-ring
2k	202130003032	1	Throttling plugging
2l	202990003290	1	O-ring
2m	202990003858	1	Handle parts
3a	202990003337	1	Bus end cover component
3b	202990003297	1	Check valve
3c	202990003304	1	The main valve core
3d	202990003305	2	Relief valve
3f	202990003285	2	O-ring
3f	202990003287	1	O-ring
3g	202990003288	3	O-ring
3h	202990003300	1	The compensation valve core
3i	202990003301	1	End cover component
3j	202990003289	1	O-ring

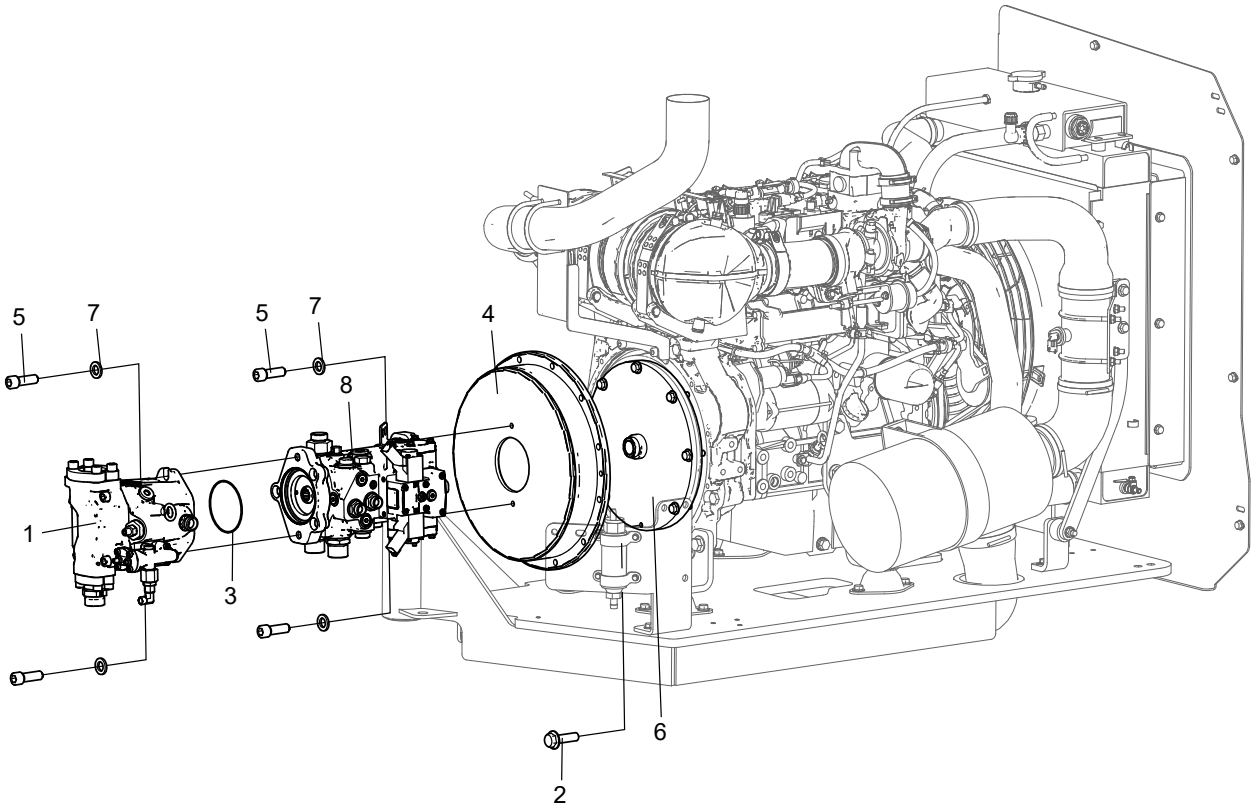
No.	Part No.	Qty.	Description
3k	202130003032	1	Throttling plugging
3l	202990003290	1	O-ring
3m	202990003858	1	Handle parts
4a-1	202990003306	1	Electric proportional end cover components(0-5 only)
4a-2	202990003308	1	Electric proportional end cover components(0-6 only)
4b	202990003297	1	Check valve
4c-1	202990003307	1	The main valve core(0-5 only)
4c-2	202990003309	1	The main valve core(0-6 only)
4d	202990003285	2	O-ring
4e	202990003287	1	O-ring
4f	202990003288	3	O-ring
4g	202990003300	1	The compensation valve core
4h	202990003301	1	End cover component
4i	202990003338	1	LS Relief valve
4j	202990003289	1	O-ring
4k	202130003032	1	Throttling plugging
4l	202990003858	1	Handle parts
5a	202990003310	1	Mesh parts
5b	202990003311	1	Pressure relief valve

6.2.2.22 Cummis Oil Pump Transmission



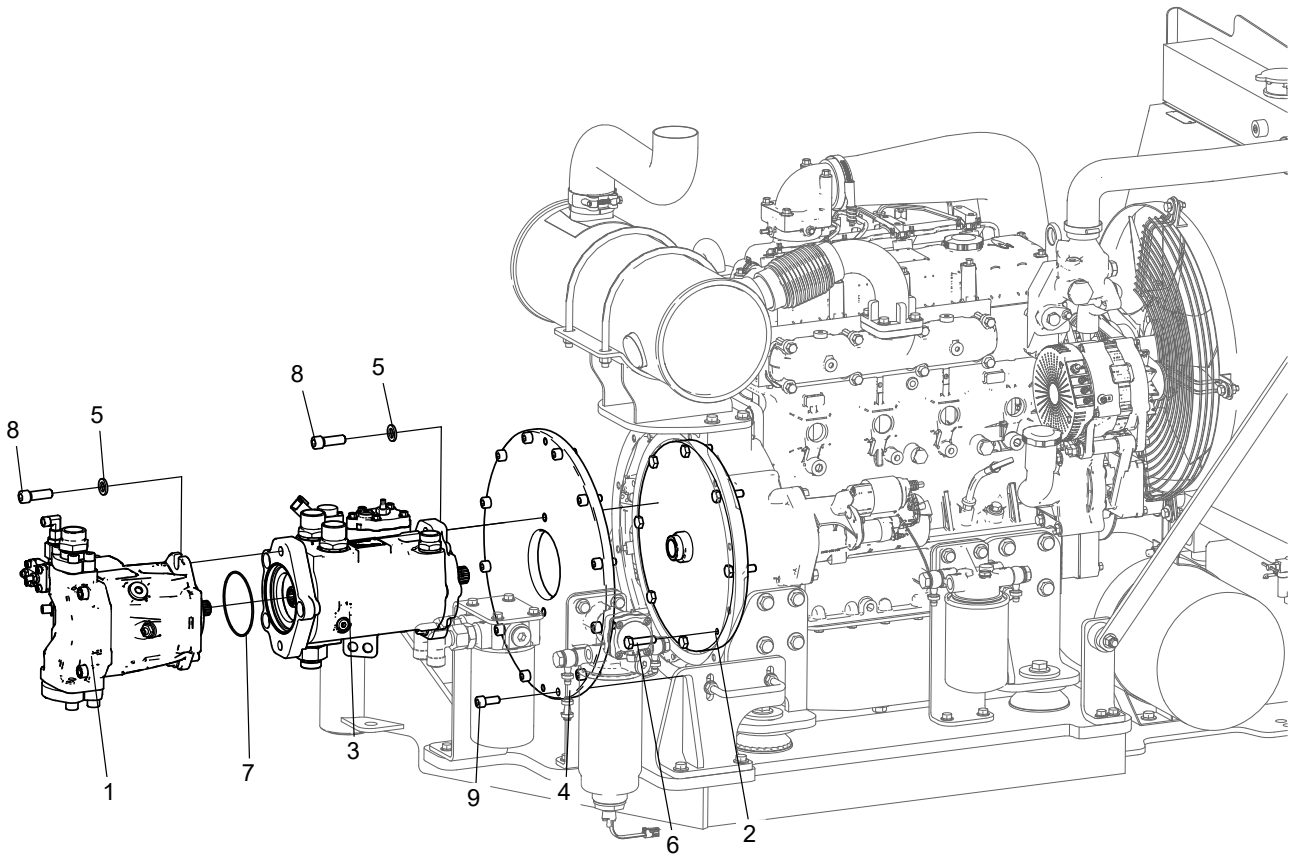
No.	Part No.	Qty.	Description
1	105051053299		Open-circuit variable displacement pump options
1-1	105064053196	1	Open-circuit pump & fittings installation(1000857)
1-2	105051053295	1	Open-circuit pump & fittings installation(1000054)
2	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
3	204040000002	1	Coupling
4	105029023042	1	Flange
5	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1
6	215040000051	4	Washer 12-DKL GB/T 1230
7	207040000060	1	O-ring
8	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
9	105051053288		Options, Closed-circuit pump & fittings installation
9-1	105051053301	1	Closed-circuit pump & fittings installation(1000857)
9-2	105051053290	1	Closed-circuit pump & fittings installation(1000054)

6.2.2.23 Deutz Oil Pump Transmission



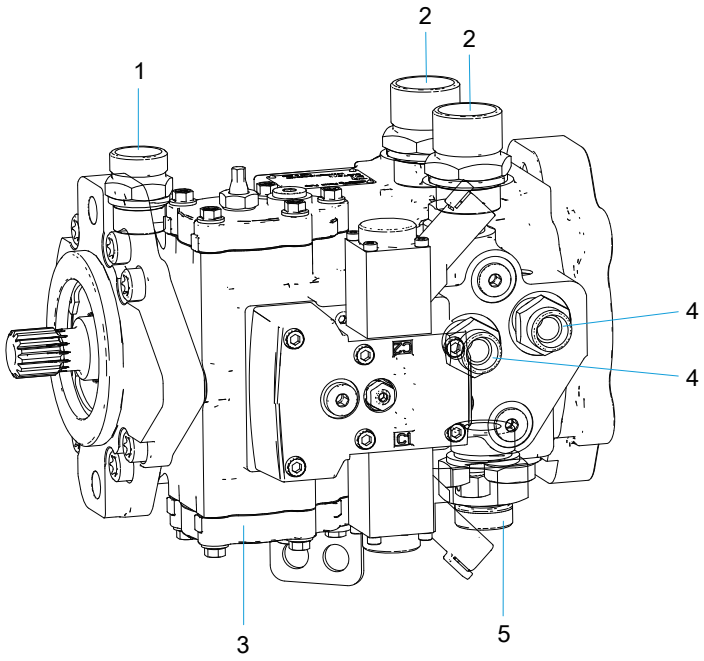
No.	Part No.	Qty.	Description
1	105051053299		Open-circuit variable displacement pump options
1-1	105064053196	1	Open-circuit pump & fittings installation(1000857)
1-2	105051053295	1	Open-circuit pump & fittings installation(1000054)
2	215010000248	8	Bolt M10x35-8.8 ZnD GB/T 5789
3	207040000060	1	O-ring
4	105017050003	1	Flange
5	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
6	204040000002	1	Coupling
7	215040000051	4	Washer 12-DKL GB/T 1230
8	105051053288		Options, Closed-circuit pump & fittings installation
8-1	105051053301	1	Closed-circuit pump & fittings installation(1000857)
8-2	105051053290	1	Closed-circuit pump & fittings installation(1000054)

6.2.2.24 YUCHAI Oil Pump Transmission



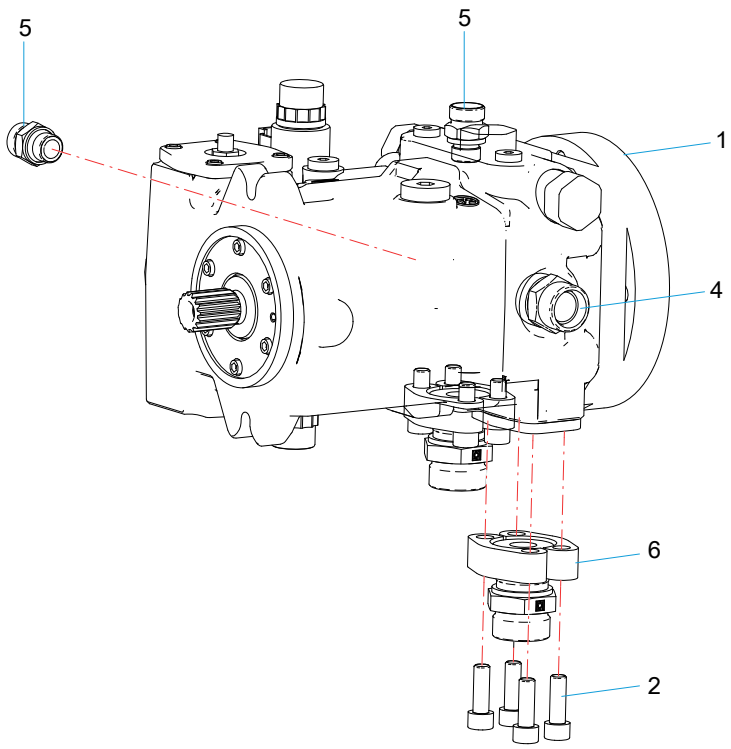
No.	Part No.	Qty.	Description
1	105051053299		Open-circuit variable displacement pump options
1-1	105051053295	1	Open-circuit pump & fittings installation(1000054)
1-2	105064053196	1	Open-circuit pump & fittings installation(1000857)
2	204040000002	1	Coupling
3	105051053288		Options, Closed-circuit pump & fittings installation
3-1	105051053301	1	Closed-circuit pump & fittings installation(1000857)
3-2	105051053290	1	Closed-circuit pump & fittings installation(1000054)
4	105056023129	1	Flange
5	215040000051	4	Washer 12-DKL GB/T 1230
6	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
7	207040000060	1	O-ring
8	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
9	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1

6.2.2.25 Closed Pump (SC: 1000107) and Fittings Installation



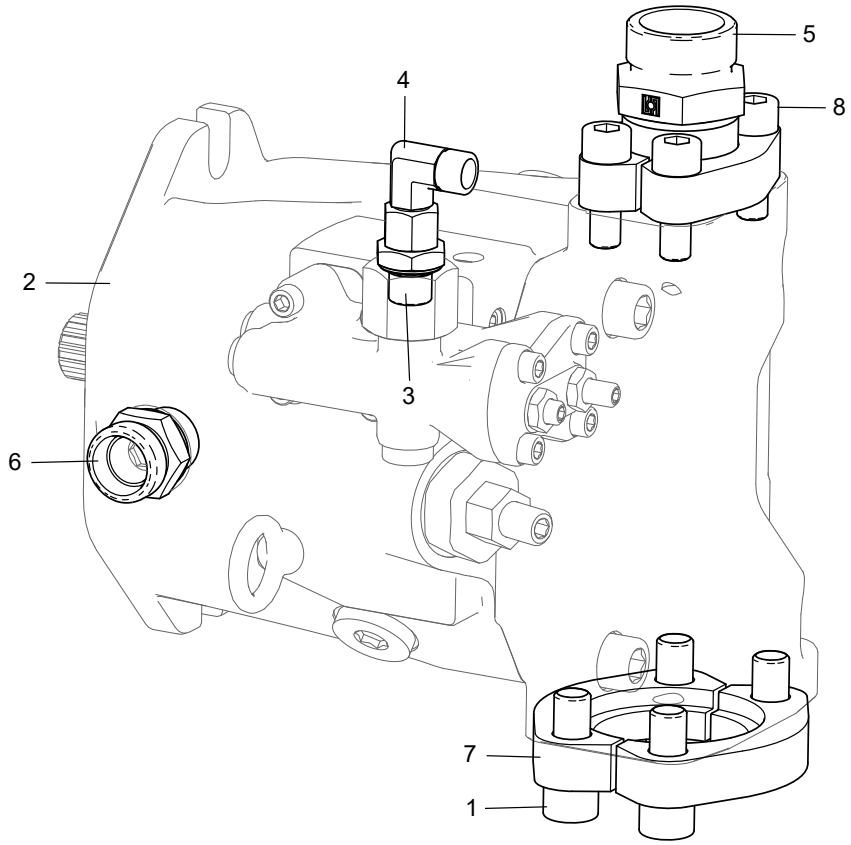
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.2.2.26 Closed Pump (SC: 1000054) and Fittings Installation



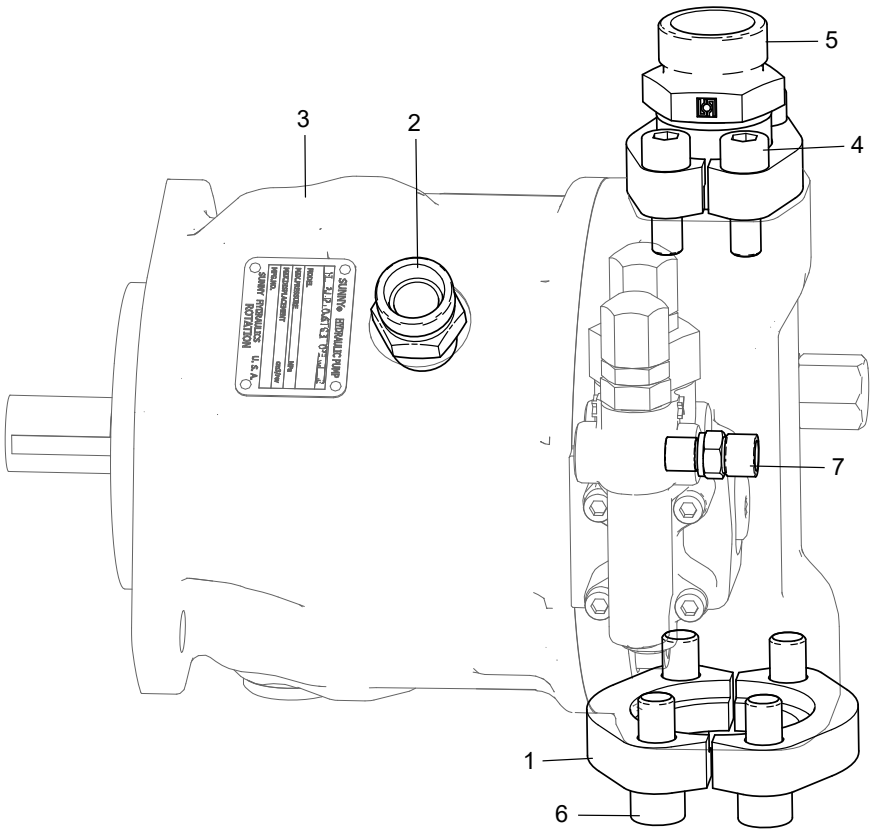
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.2.2.27 Open-circuit Pump (1000857) and Fittings Installation



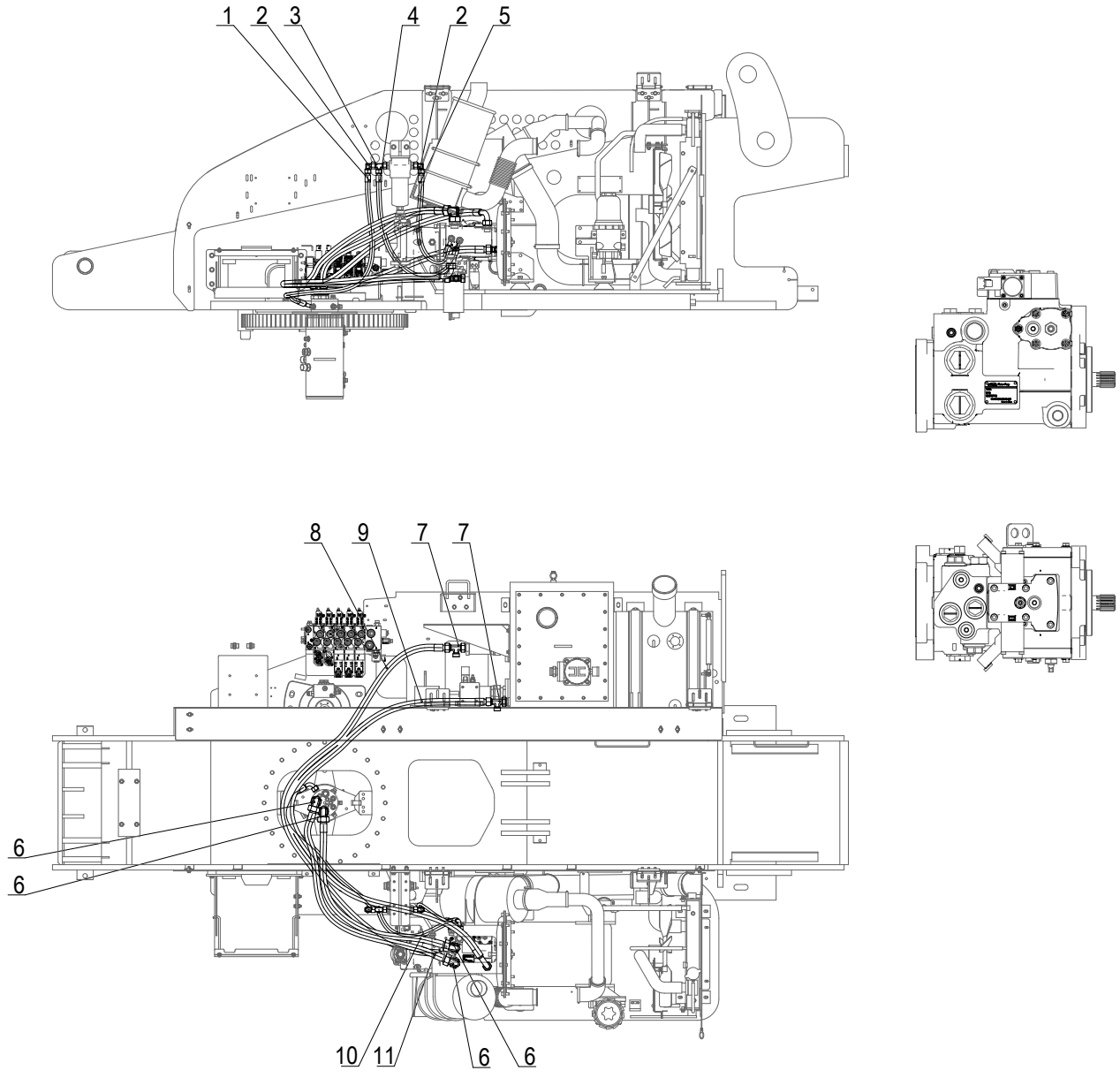
No.	Part No.	Qty.	Description
1	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
2	202010000055	1	Open variable-displacement pump
2a	207990003121	1	Seal kit, open-circuit pump
3	213010000209	1	Coupler
4	213010000024	1	Coupler
5	213030000022	1	Flange
6	213010000069	1	Coupler
7	213030000012	1	Flange
8	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1

6.2.2.28 Open-circuit Pump (SC: 1000054) and Fittings Installation



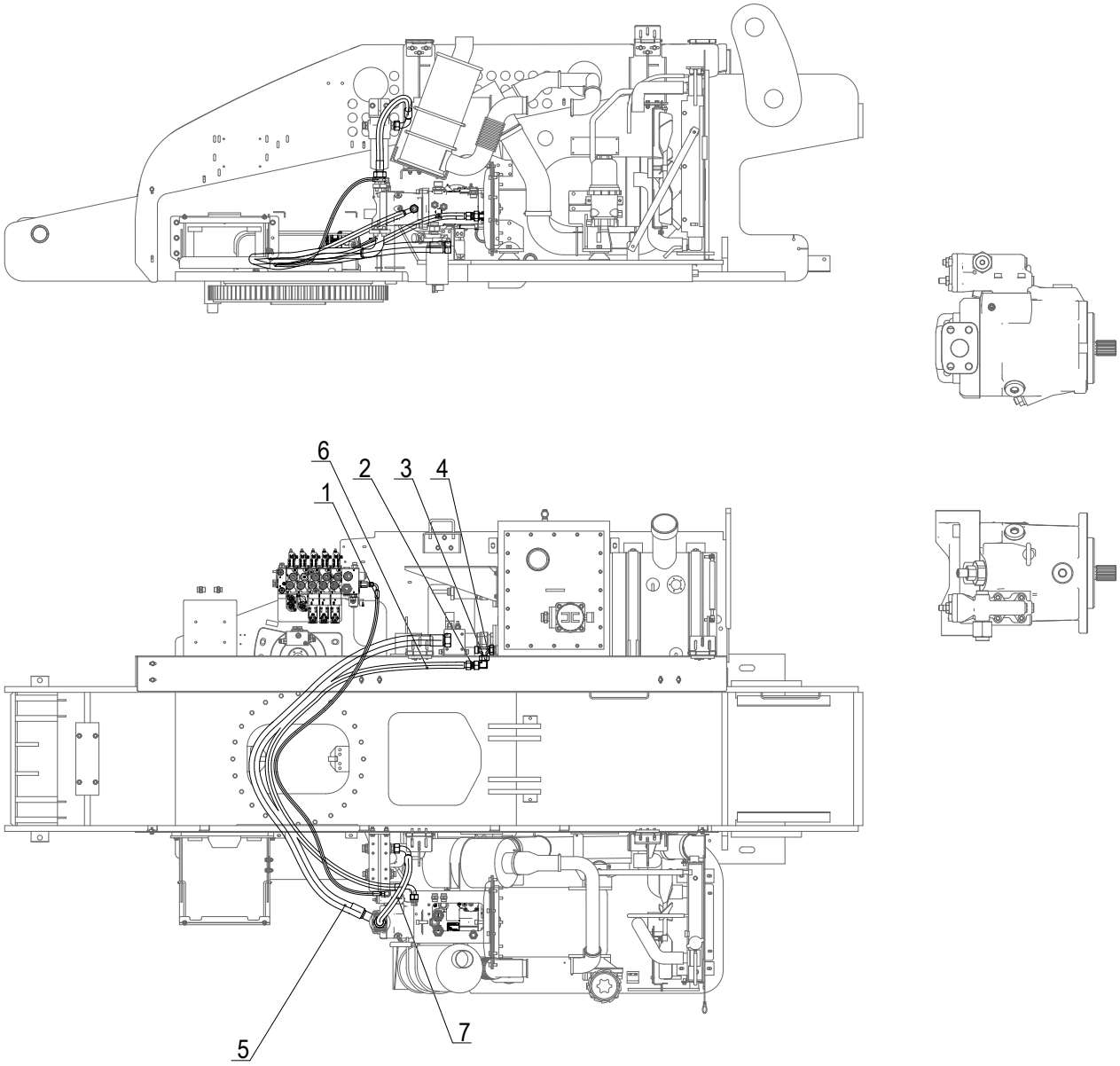
No.	Part No.	Qty.	Description
1	213030000012	1	Flange
2	213010000159	1	Coupler
3	202010000044	1	Open variable-displacement pump
3a	207990003105	1	Seal kit, open-circuit pump
4	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1
5	213030000022	1	Flange
6	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
7	213010000013	1	Coupler

6.2.2.29 Closed Pump Tubes Layout



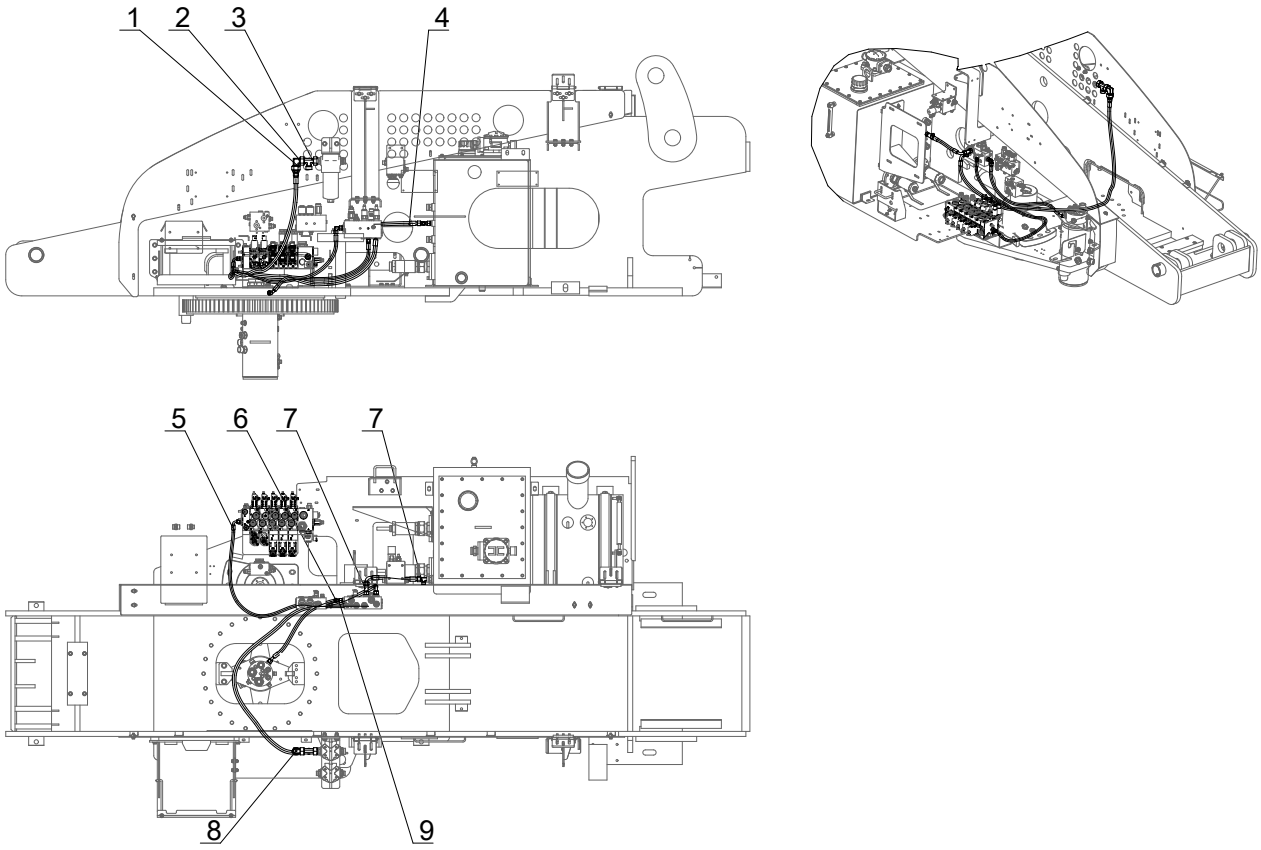
No.	Part No.	Qty.	Description
1	213050000519	1	Hose
2	213010000008	2	Coupler
3	213010000078	1	Coupler
4	213050000982	1	Hose
5	213050000617	1	Hose
6	213010000022	4	Coupler
7	213010000043	2	Coupler
8	213050000063	1	Hose
9	213050003054	1	Hose
10	213050000042	1	Hose
11	213050000020	1	Hose

6.2.2.30 Open Pump Tubes Layout



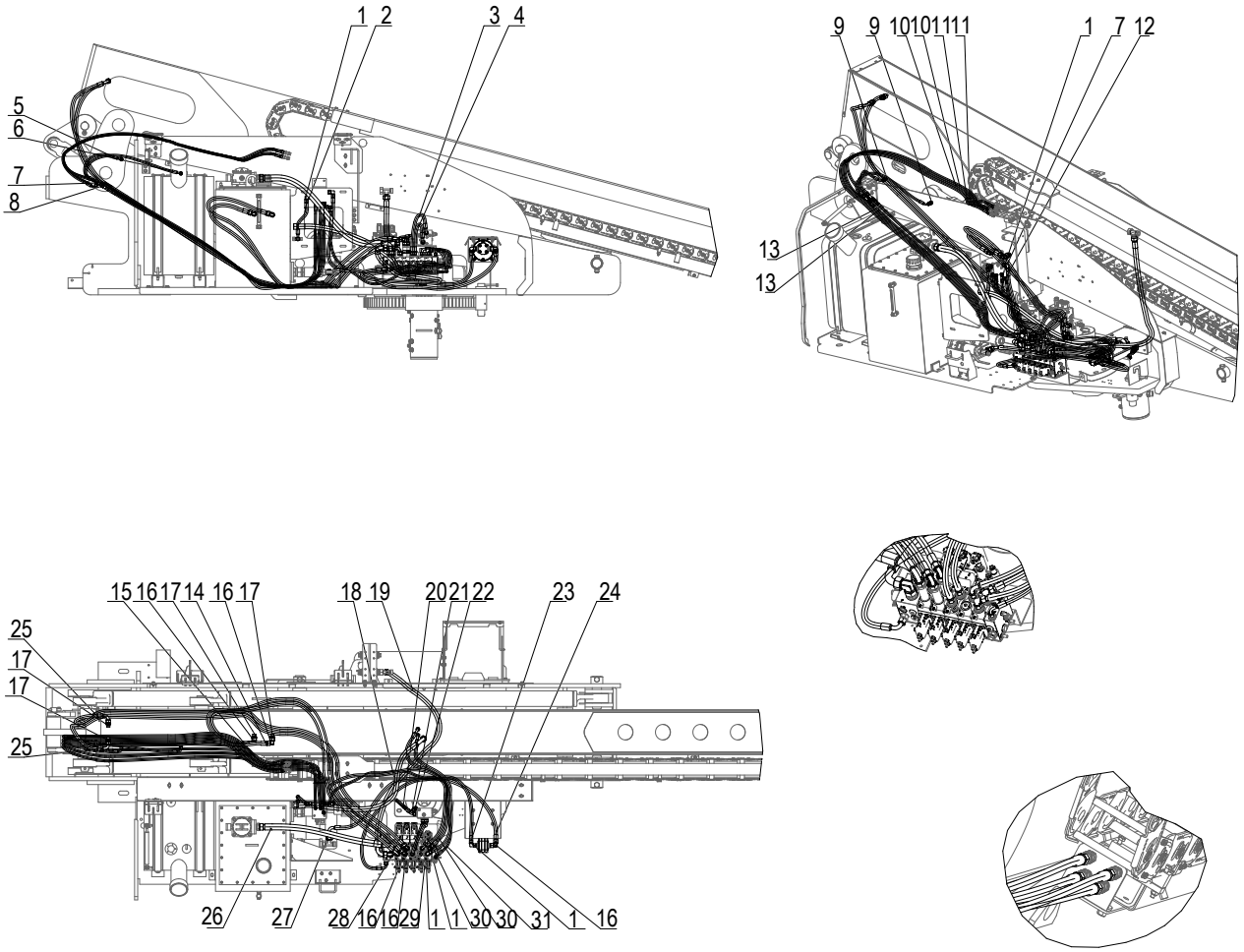
No.	Part No.	Qty.	Description
1	213050003103	1	Hose
2	213010000104	1	Coupler
3	213010000041	1	Coupler
4	213010000043	1	Coupler
5	213050003353	1	Hose
6	213050011645	1	Hose
7	213050000742	1	Hose

6.2.2.31 Pipe Layout Drawing of Oscillate Control Valve



No.	Part No.	Qty.	Description
1	213010000046	1	Coupler
2	213010000041	1	Coupler
3	213010000043	1	Coupler
4	213050014660	1	Hose
5	213050000092	1	Hose
6	213050014713	1	Hose
7	213010000032	2	Coupler
8	213050000254	1	Hose
9	213010000009	1	Coupler

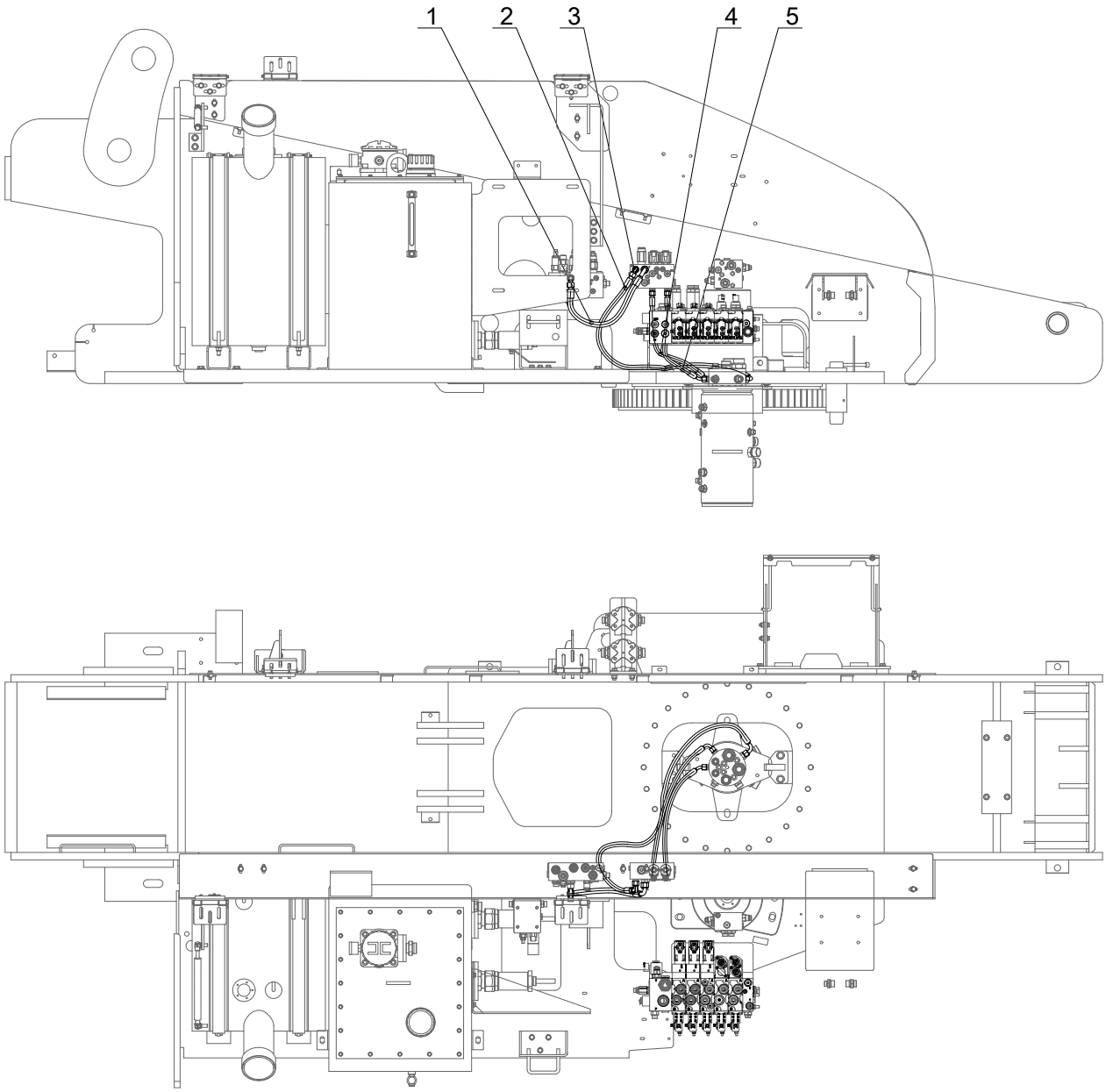
6.2.2.32 Pipe Layout Drawing of Multi-way Valve



No.	Part No.	Qty.	Description
1	213010000055	5	Coupler
2	213050000034	1	Hose
3	213050000412	1	Hose
4	213050001326	1	Hose
5	213050003114	1	Hose
6	213050008755	1	Hose
7	213010000026	3	Coupler
8	213010000139	2	Coupler
9	213010000007	2	Fitting
10	213050008807	2	Hose
11	213050011149	2	Hose
12	213010000024	1	Coupler
13	213050008350	2	Hose
14	213050000511	1	Hose
15	213050003350	1	Hose

No.	Part No.	Qty.	Description
16	213010000008	5	Coupler
17	213010000039	4	Coupler
18	213050000696	1	Hose
19	213050000597	1	Hose
20	213050000936	1	Hose
21	213010000009	1	Coupler
22	213010000057	1	Coupler
23	213050003289	1	Hose
24	213050001499	1	Hose
25	213050003009	2	Hose
26	213050003344	1	Hose
27	213010000098	1	Coupler
28	213010000041	1	Coupler
29	213050000052	1	Hose
30	213050000032	2	Hose
31	213050000749	1	Hose

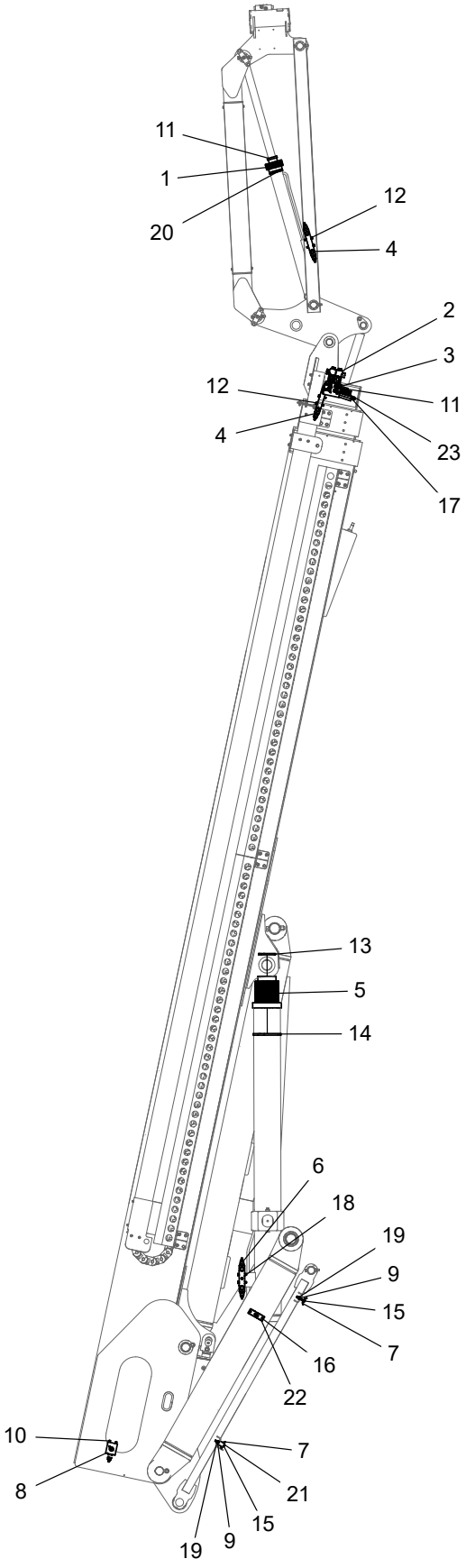
6.2.2.33 Pipe Layout Drawing of Brake/2-speed Control Valve



No.	Part No.	Qty.	Description
1	213050000214	1	Hose
2	213050001374	1	Hose
3	213010000009	1	Coupler
4	213050000616	1	Hose
5	213050001567	1	Hose

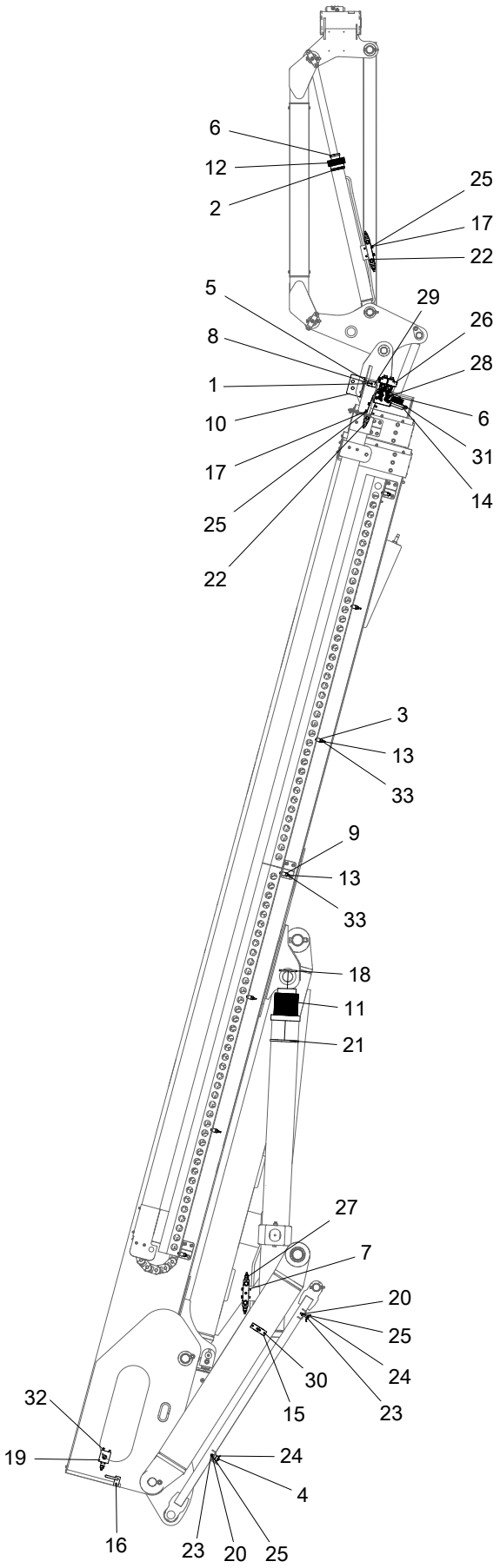
6.2.3 BOOM HYDRAULIC SYSTEM

6.2.3.1 Boom Hydraulic Components Installation (Steel cable track)



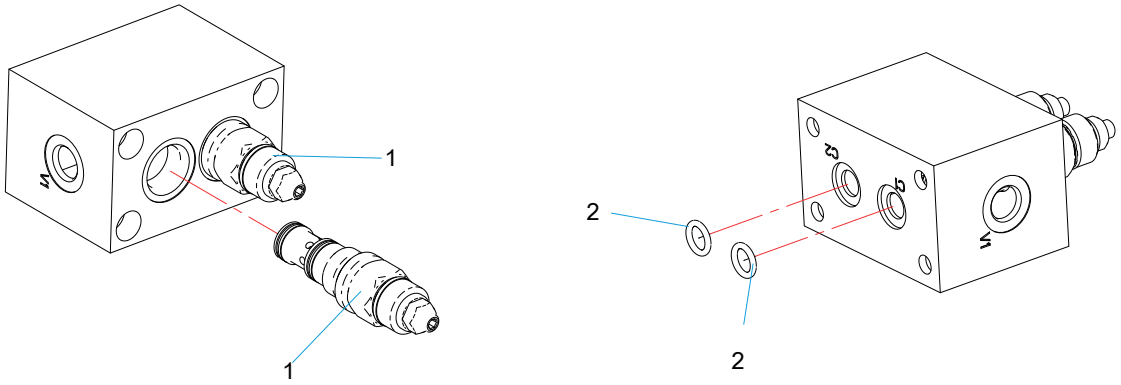
No.	Part No.	Qty.	Description
1	103005050008	1	Bellow, cylinder
2	104021050008		Platform manifold options, duplex
2-1	202040000329	1	Platform manifold, duplex(1000176)
2-2	202040003259	1	Platform manifold, duplex(1000282)
3	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
4	202040000011	2	Counterbalance valve, leveling
5	105050053011	1	Rod jacket lift cylinder
6	202040000377	1	Lift counterbalance valve
7	103003050039	3	Bracket
8	202040003126	1	Telescope counterbalance valve
9	215040000005	7	Washer 8-ZnD GB/T 93
10	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
11	216020000007	2	Clamp
12	215020000029	8	Screw M8×40-10.9-DKL GB/T 70.1
13	216020000026	1	Hose clamp
14	216020003010	1	Hose clamp
15	215010000163	7	Bolt M8×50-8.8-ZnD GB/T 5782
16	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
17	216020000022	1	Hose clamp
18	215020000030	4	Screw M8×45-8.8-ZnD GB/T 70.1
19	215030000005	7	Nut M8-8-ZnD-GB/T 6170
20	216020000009	1	Hose clamp
21	216010003006	1	Clamp
22	216010003031	2	Clamp
23	105078053025	1	Sheath, cylinder (level, upper)

6.2.3.2 Boom Hydraulic Components Installation (Plastic cable track)



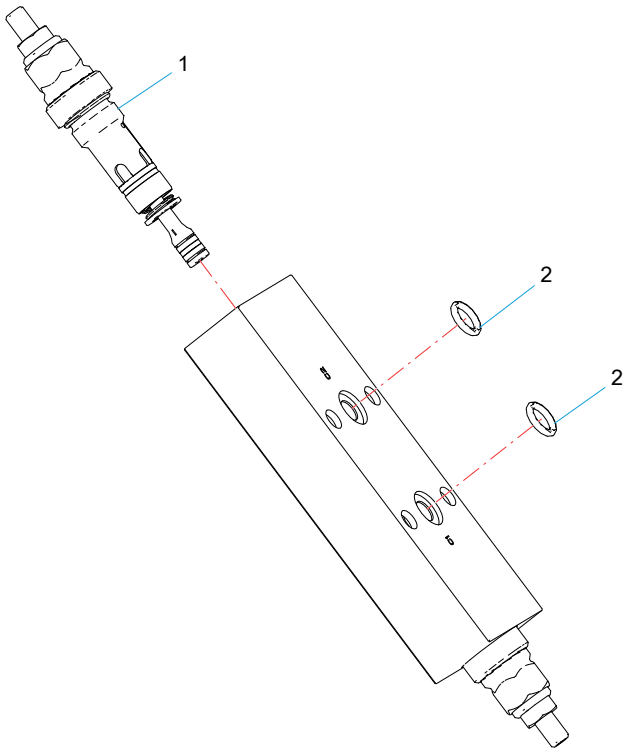
No.	Part No.	Qty.	Description
1	215040000004	1	Washer 6-A2-70 GB/T 93
2	216020000009	1	Hose clamp
3	105025053025	4	Clamp
4	216010000012	1	Clamp
5	215020000288	1	Screw M6×70-A2-70 GB/T 70.1
6	216020000007	2	Clamp
7	215020000030	4	Screw M8×45-8.8-ZnD GB/T 70.1
8	215030000004	1	Nut M6-A2-70 GB/T 6170
9	105025053026	3	Clamp
10	105049013003	1	Folded plate
11	105050053011	1	Rod jacket lift cylinder
12	103005050008	1	Bellow, cylinder
13	215010000205	14	Bolt M6×55-A2-70 GB/T5783
14	216020000022	1	Hose clamp
15	216010003031	2	Clamp
16	104008050010	1	Hook, tube
17	215020000031	8	Screw M8×45-10.9-DKL GB/T 70.1
18	216020000026	1	Hose clamp
19	202040003126	1	Telescope counterbalance valve
20	215030000005	7	Nut M8-8-ZnD-GB/T 6170
21	216020003010	1	Hose clamp
22	202040000011	1	Counterbalance valve, leveling
23	215010000163	7	Bolt M8×50-8.8-ZnD GB/T 5782
24	103003050039	3	Bracket
25	215040000005	15	Washer 8-ZnD GB/T 93
26	104021050008		Platform manifold options, duplex
26-1	202040000329	1	Platform manifold, duplex(1000176)
26-2	202040003259	1	Platform manifold, duplex(1000282)
27	202040000377	1	Lift counterbalance valve
28	215020000036	4	Screw M8×55-10.9-DKL GB/T 70.1
29	216010003001	2	Clamp
30	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
31	105078053025	1	Sheath, cylinder (level, upper)
32	215020000042	4	Screw M8×70-10.9-DKL GB/T 70.1
33	215030000107	14	Nut M6-8-ZnD GB/T 6183.1

6.2.3.3 Telescoping Counterbalance Valve (PN.202040003126)



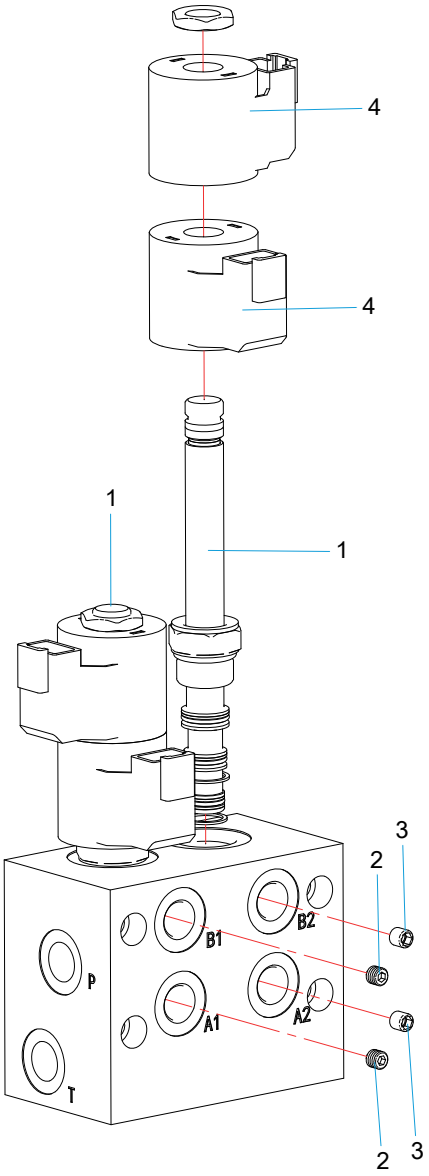
No.	Part No.	Qty.	Description
1	202990003097	2	Counterbalance valve spool
2	207060003005	2	O-ring

6.2.3.4 Leveling Counterbalance Valve (PN.202040000011)



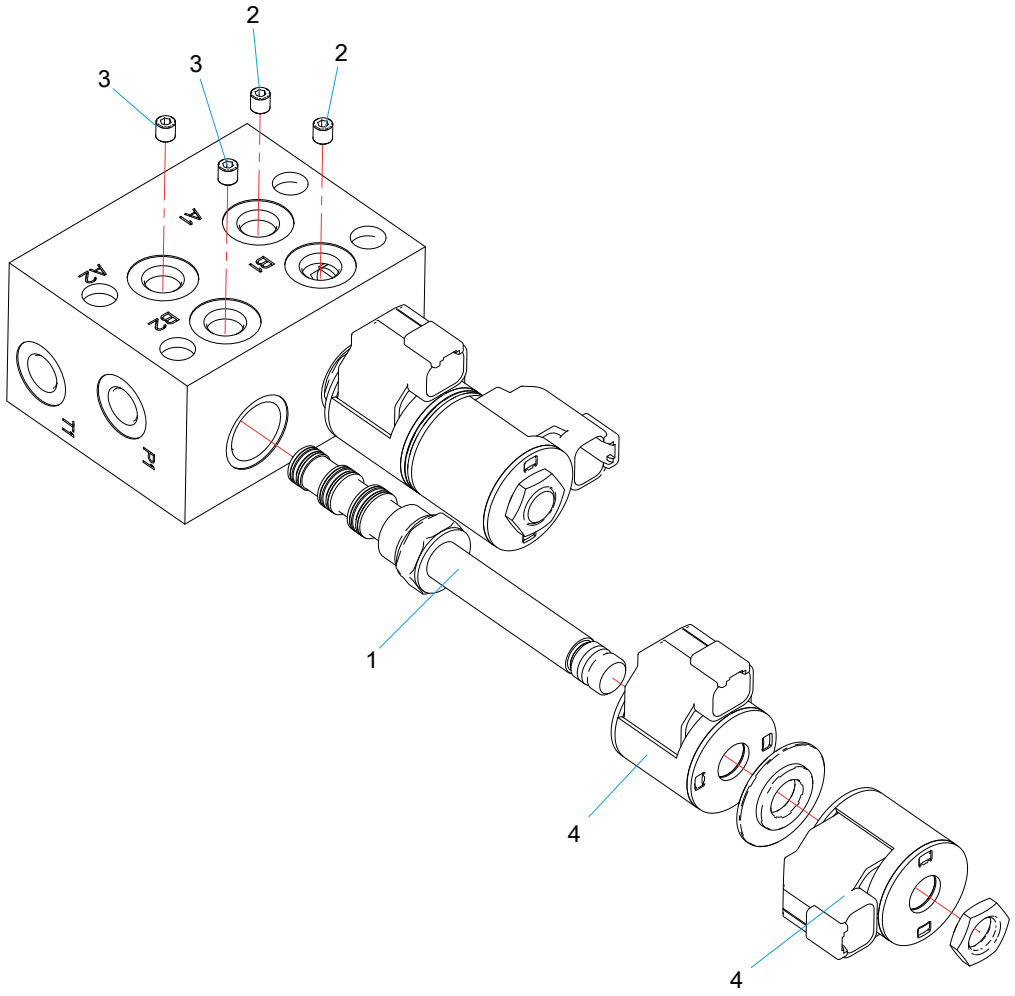
No.	Part No.	Qty.	Description
1	202990003040	2	Counterbalance valve spool
2	207040003049	2	O-ring

6.2.3.5 Platform manifold, duplex(PN.202040003259)



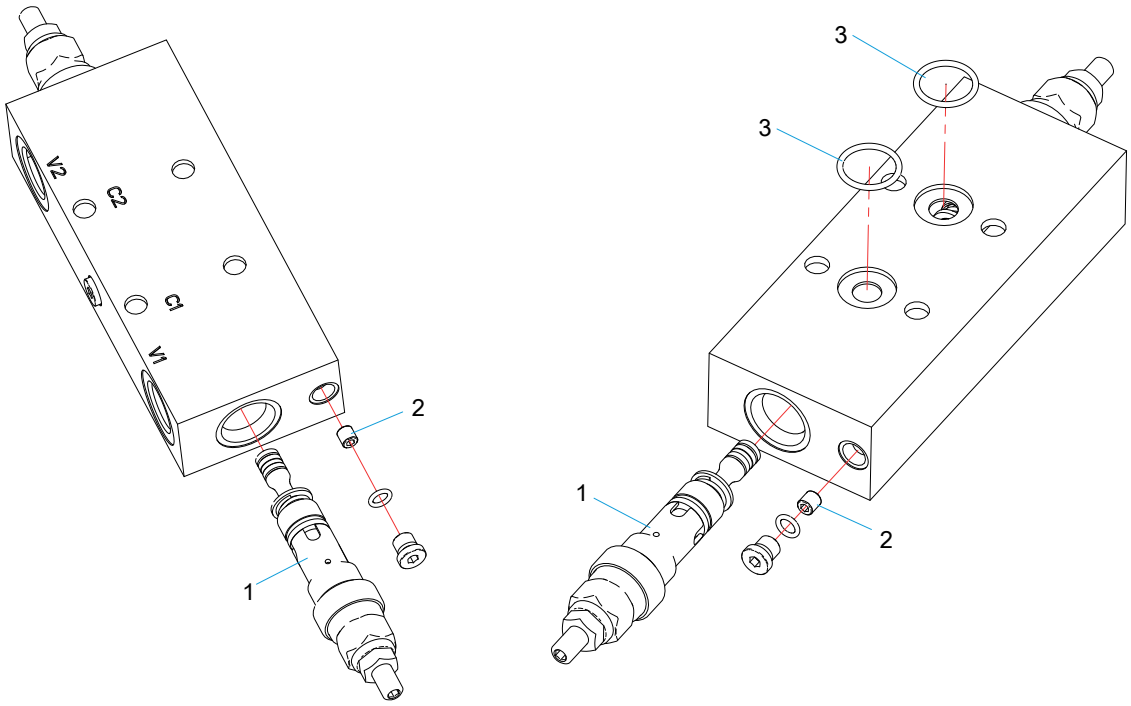
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202990003242	4	Coil

6.2.3.6 Platform Duplex Valve (PN.202040000329)



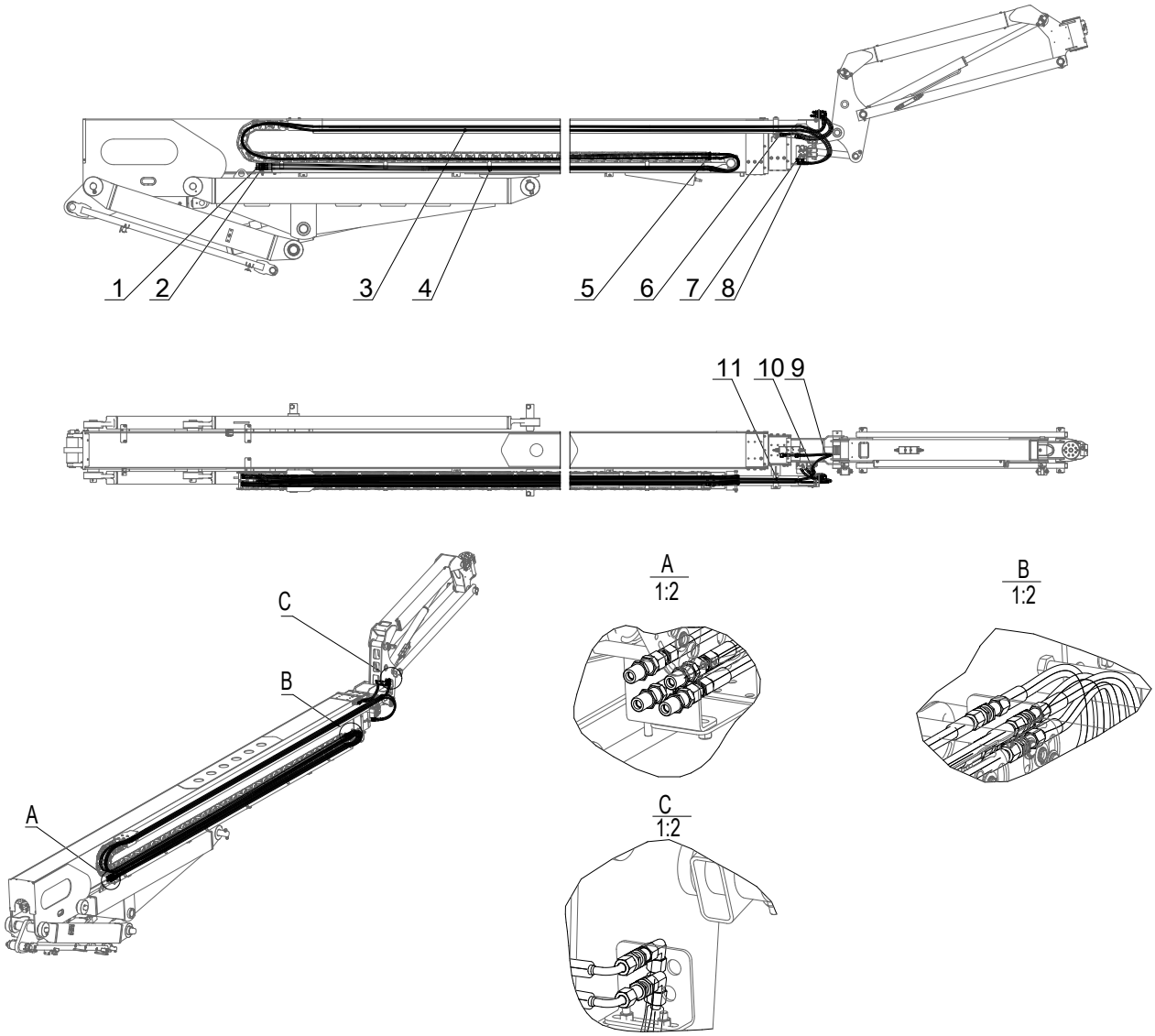
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202040003153	4	Coil

6.2.3.7 Lift Counterbalance Valve (PN.202040000377)



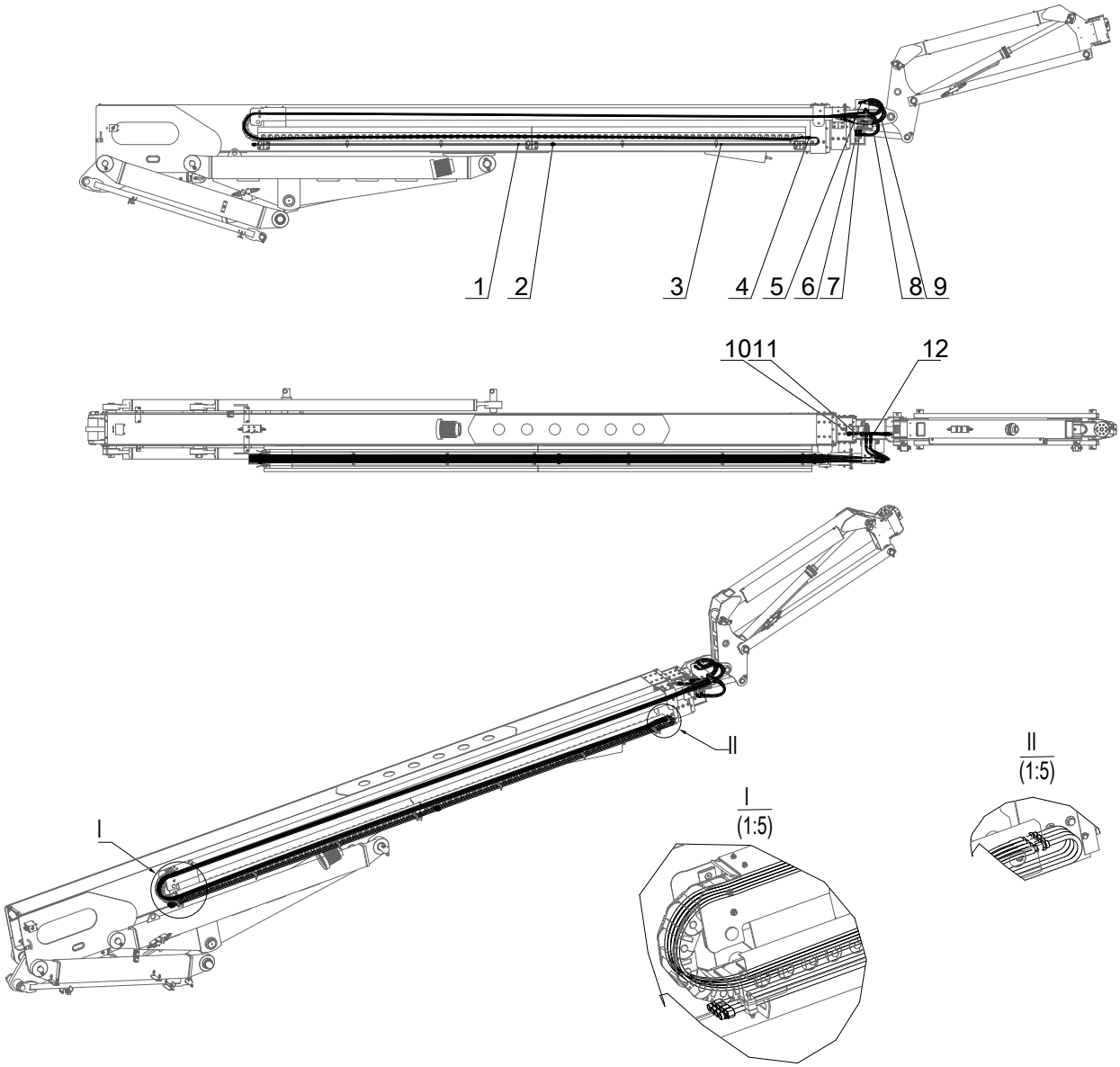
No.	Part No.	Qty.	Description
1	202990003156	2	Spool
2	202130003017	2	Damper
3	207060003005	2	O-ring

6.2.3.8 Boom Tubes Layout (Steel cable track)



No.	Part No.	Qty.	Description
1	213010000093	4	Coupler
2	213010000157	4	Coupler
3	213050008636	2	Hose
4	213050012440	4	Hose
5	213010000139	6	Coupler
6	213010003029	2	Coupler
7	213010000007	2	Fitting
8	213010000024	4	Coupler
9	213050008639	1	Hose
10	213050003241	1	Hose
11	213050008637	2	Hose

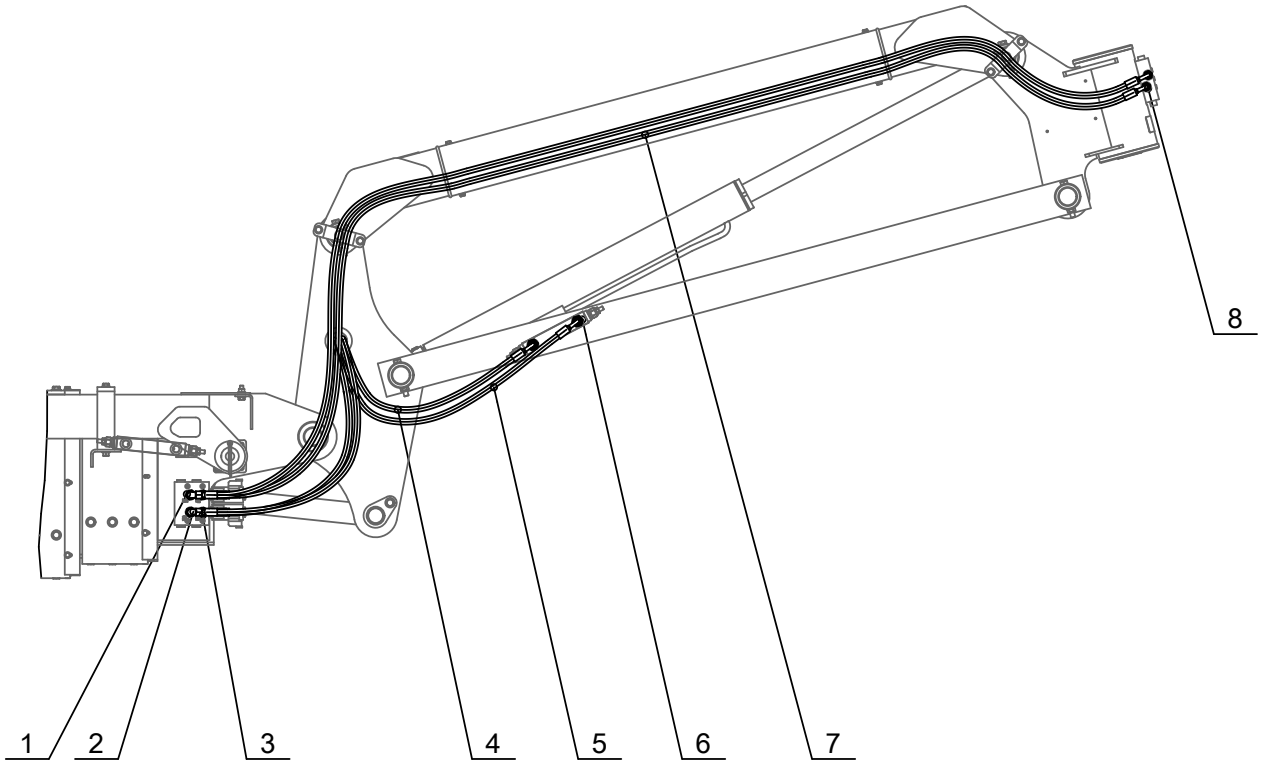
6.2.3.9 Boom Tubes Layout (Plastic cable track)



No.	Part No.	Qty.	Description
1	105070053353	4	Steel tube assembly
2	213010000126	8	Coupler
3	105049053000	4	Steel tube
4	213010003139	4	Coupler
5	213050008636	2	Hose
6	213010000024	2	Coupler
7	213010000007	2	Fitting
8	213050014334	2	Hose
9	213050003950	1	Hose
10	213010003029	2	Coupler

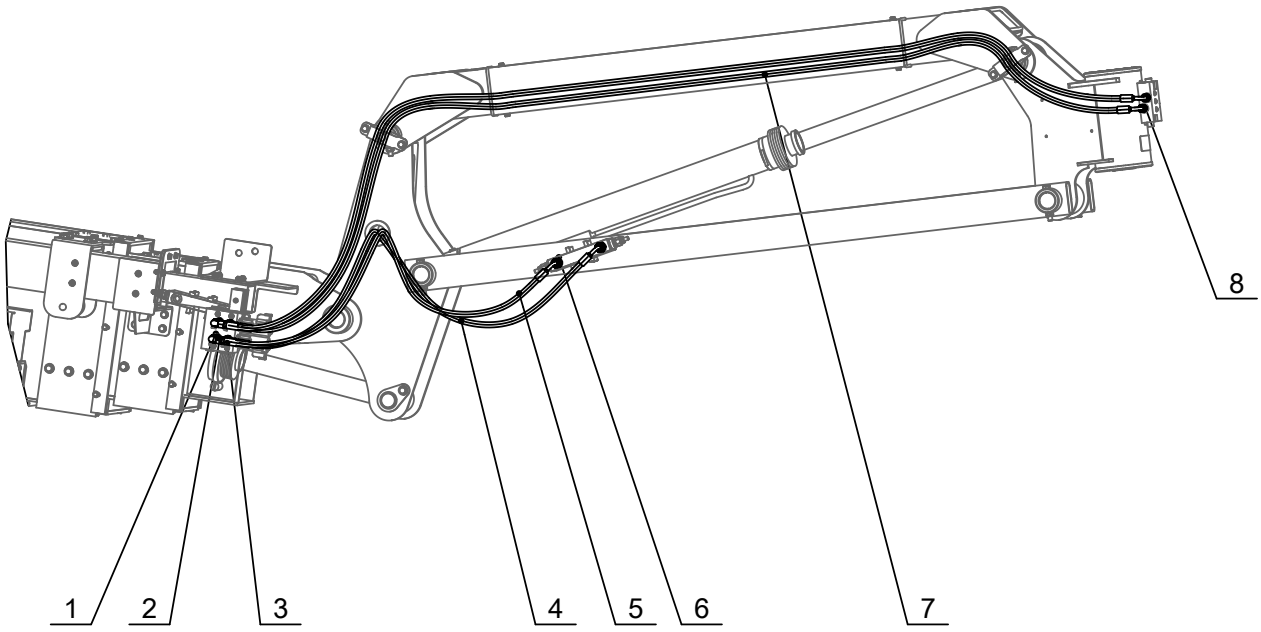
No.	Part No.	Qty.	Description
11	213050003125	1	Hose
12	213010000139	2	Coupler

6.2.3.10 Pipe Layout Drawing of Jib Boom (Steel cable track)



No.	Part No.	Qty.	Description
1	105030050010	2	Fitting, heightened
2	213010000024	4	Coupler
3	213010000007	2	Fitting
4	213050008353	1	Hose
5	213050003096	1	Hose
6	213010000047	2	Fitting
7	213050008344	2	Hose
8	213010000013	2	Coupler

6.2.3.11 Pipe Layout Drawing of Jib Boom (Plastic cable track)



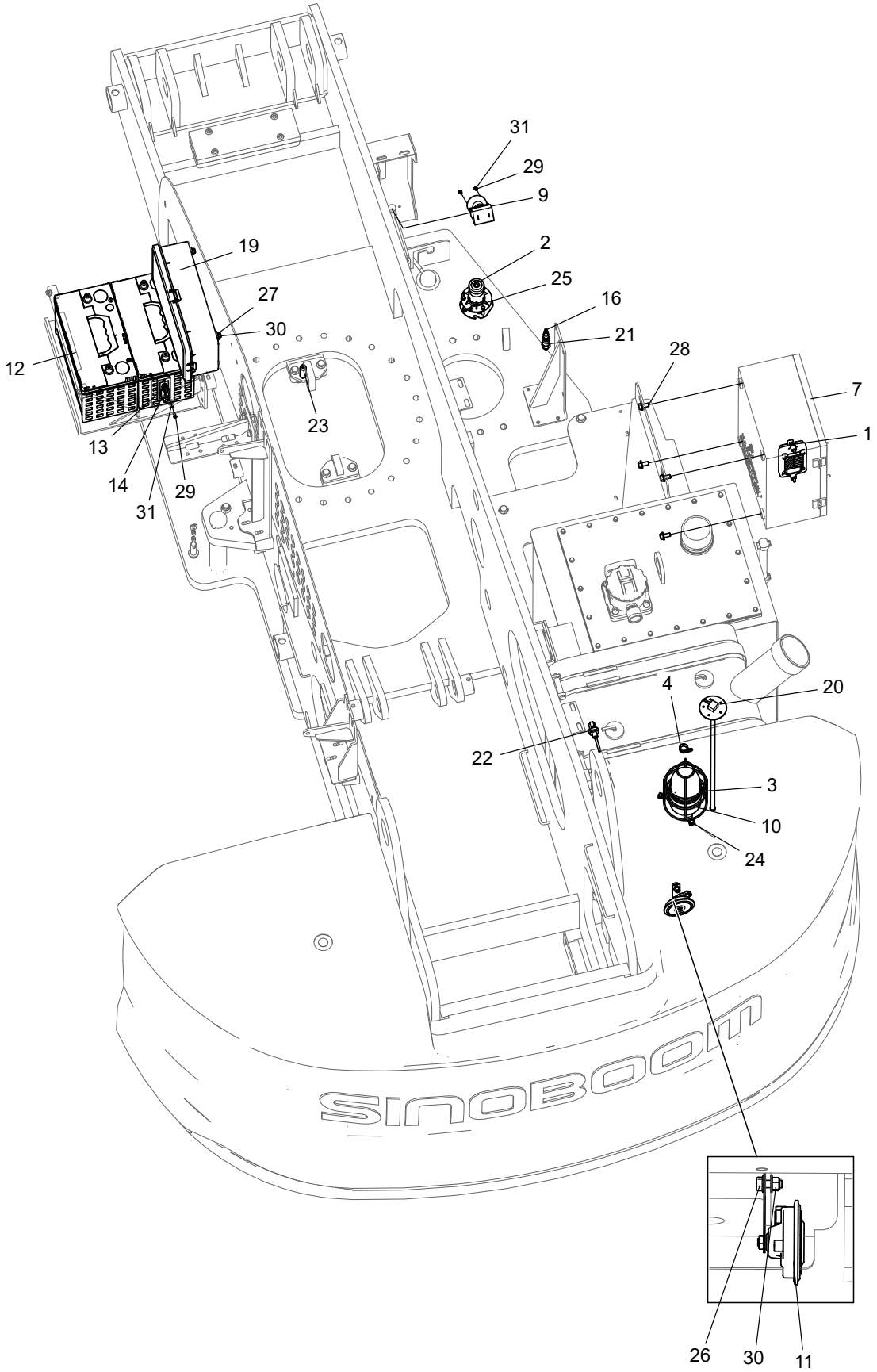
No.	Part No.	Qty.	Description
1	105030050010	2	Fitting, heightened
2	213010000024	4	Coupler
3	213010000007	2	Fitting
4	213050003096	1	Hose
5	213050008353	1	Hose
6	213010000047	2	Fitting
7	213050008344	2	Hose
8	213010000013	2	Coupler

7 ELECTRICAL SYSTEM

7.1 ELECTRICAL SYSTEM (CUMMIS QSF2.8T3NA60 CHINA III)

7.1.1 TURNTABLE ELECTRICAL SYSTEM

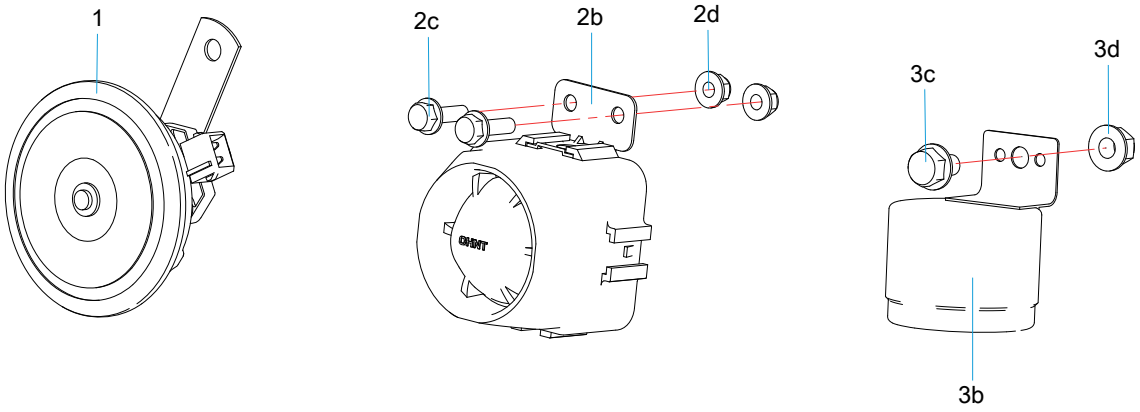
7.1.1.1 Turntable Electrical Components Installation (Cummis QSF2.8t3NA60/China 3)



No.	Part No.	Qty.	Description
1	103006063020	1	Options, GPS installation
2	103008063058	1	Options, Level sensor installation
3	105021060024	1	Guard, light (warning)
4	216020000024	1	Retaining ring
5	105049063002	1	Turntable harness(Not shown)
6	105064063086	1	Electrical power wiring layout(Not shown)
7	105070063039		Turntable controller assembly option
7-1	105031060032	1	Ground controller assembly(Standard configuration，North America，Australian)
7-2	105064063134	1	Turntable controller assembly(Chilean)
7-3	105064063139	1	Turntable controller assembly(Poland)
8	114002063009	1	Turntable Sensors Harness(Not shown)
9	114004063040		Power switch option
9-1	203060000024	1	Power switch(1000110)
9-2	203060003167	1	Power switch(1000200)
10	114012063080		Caution light option
10-1	203050003017	1	Caution light(Fixed volume)
10-2	203050003057	1	Caution light(Volume adjustable)
11	114012063086	1	Horn option
12	114015063057	2	Maintenance-free battery options
12-1	203100000061	1	Maintenance-free battery(110Ah)
12-2	203100003158	1	Maintenance-free battery(100Ah)
13	203070000056	1	Fuse holder
14	203070003009	1	Fuse
15	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
16	203080003094	1	Plug with cable
17	203100000051	2	Sheath, flexible (L, black)(Not shown)
18	203100000053	2	Sheath, flexible (L, red)(Not shown)
19	203100003011	1	Power switch box
20	203150000006	1	Single-tube level sensor
21	203150000055	1	Sensor, pressure
22	203150000072	1	Temperature sensor
23	203150003010	1	Proximity switch
24	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
25	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
26	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
27	215010000236	3	Bolt M8×30-8.8-ZnD GB/T 5789
28	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789

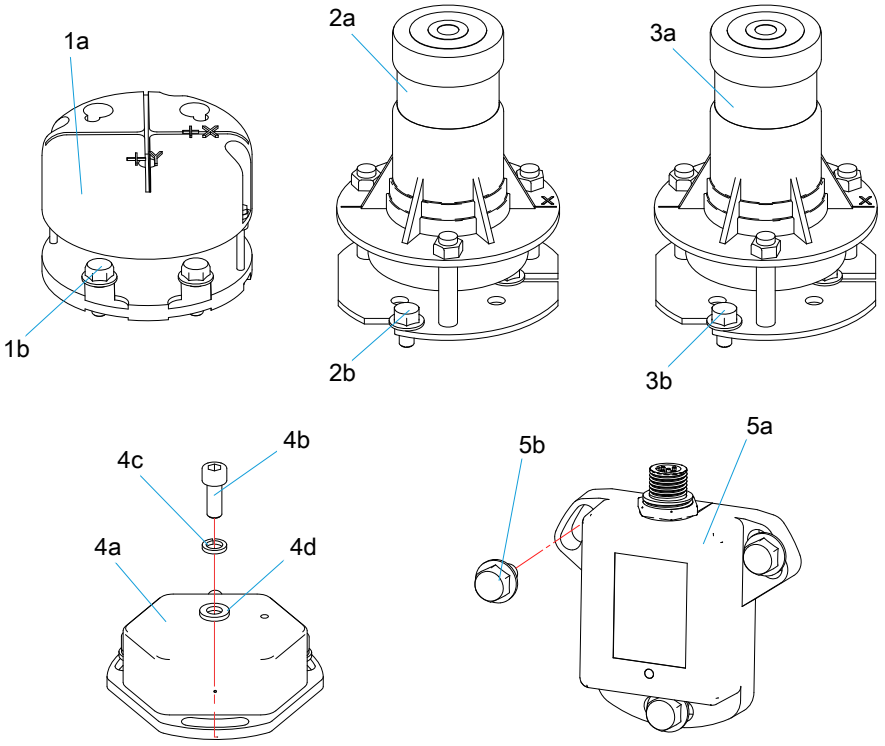
No.	Part No.	Qty.	Description
29	215020000110	4	Screw M5×12-A2-70 GB/T 818
30	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
31	215040000003	4	Washer 5-A2-70 GB/T 93

7.1.1.2 Horn option



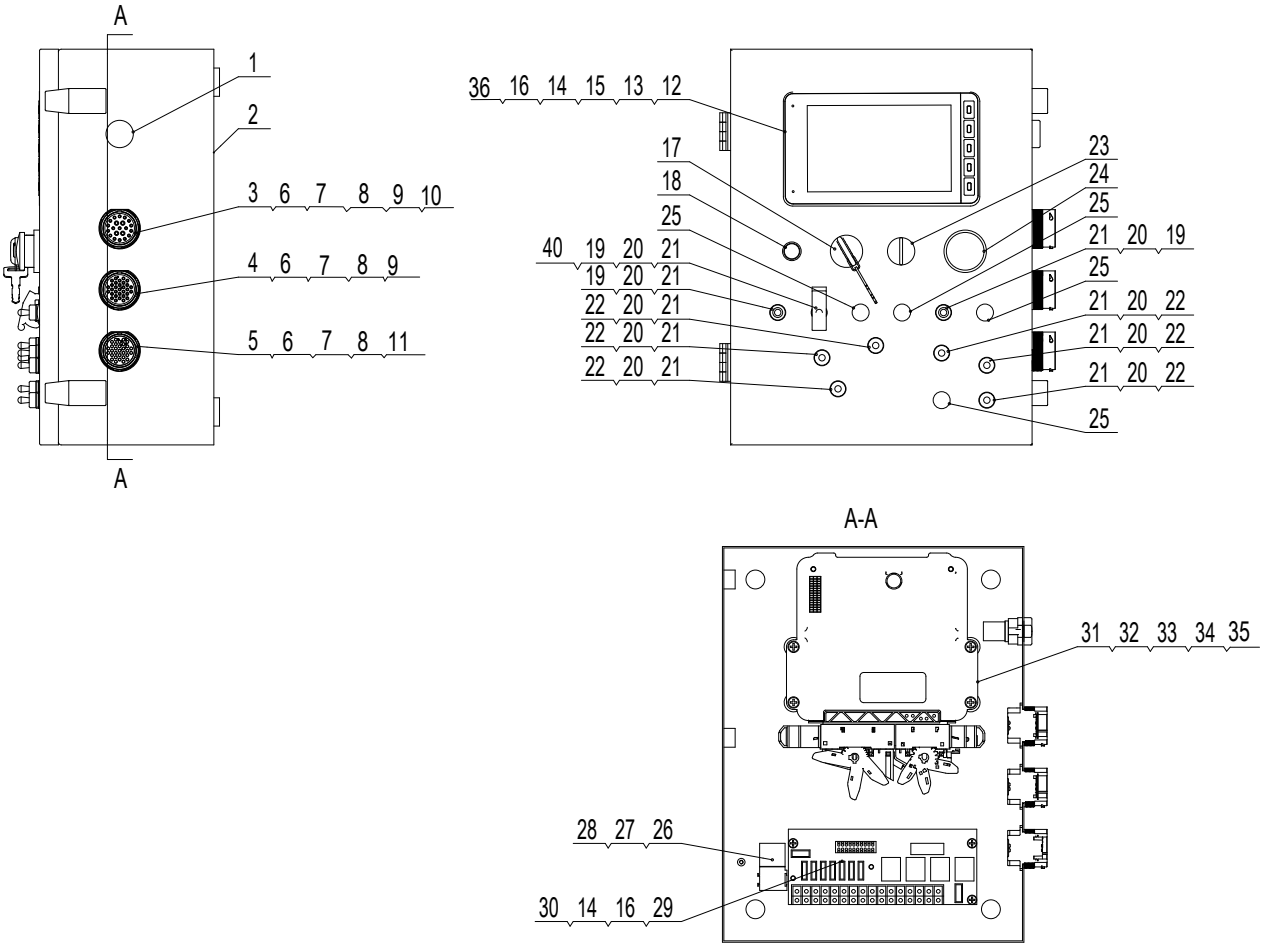
No.	Part No.	Qty.	Description
1	203050000034	1	Horn(Standard configuration)
2	114006063072		White noise horn installation(Australian specs)
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
3	103009063115		INST, buzzer(Thailand specs)
3a	104019063067	1	Cable, adapter (warning light)(Not shown)
3b	203050000002	1	Reverse buzzer
3c	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
3d	215030000108	1	Nut M8-8-ZnD GB/T 6183.1

7.1.1.3 Level Sensor Options



No.	Part No.	Qty.	Description
1	114015063090		INST, switch (level)
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		INST, switch (level)
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		INST, switch (level)
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		INST, sensor (level)
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1
5	114015063104	1	INST, sensor (level)
5a	203150003084	1	Angle sensor
5b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

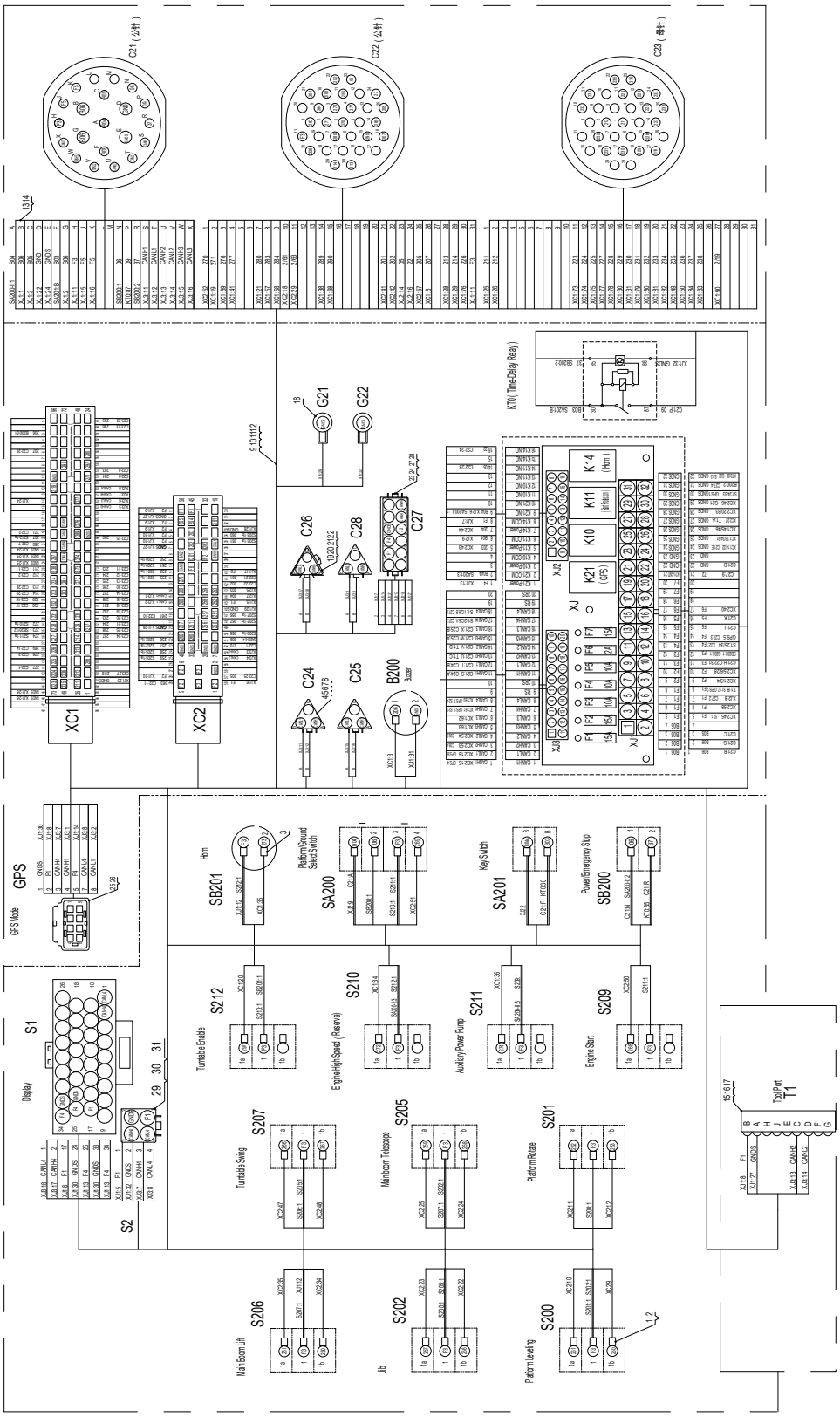
7.1.1.4 Turntable Controller Assembly (PN.105031060032&105064063134)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	25	Blind plug
9	203080000033	36	Male connector
10	203060000103	4	#12 male connector
11	203080000041	18	Female connector
12	203200000004	1	Display screen
13	105001060106	3	Display fixing folded plate
14	215040000003	11	Washer 5-A2-70 GB/T 93
15	215020000109	6	Screw M5×10-A2-70 GB/T 818
16	215040000032	11	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000101	9	Waterproof cap
21	203080000109	9	Nut
22	203060000003	6	Toggle switch
23	203060000029	1	Selector switch
24	203060000142	1	Switch, emergency stop
25	105045060004	4	Controller plug
26	203040003005	1	Relay, time-delay
27	215040000002	1	Washer 4-A2-70 GB/T 93
28	215020000104	1	Screw M4×10-A2-70 GB/T 818
29	203030000015	1	Relay integration board
30	215020000110	5	Screw M5×12-A2-70 GB/T 818
31	203020000038	1	Controller
32	215040000033	4	Washer 6-A2 GB/T 97.1
33	215040000004	4	Washer 6-A2-70 GB/T 93
34	215020000118	4	Screw M6×25-A2-70 GB/T 818
35	203080000378	1	Connector, controller
36	203080003147	1	Connector assembly, SECD-7I0A
37-1	105070063003	1	Surface film, control box (turntable)(Standard configuration，North America，Australian；Not shown)
37-2	105064063135	1	Turntable controller face mask(Chilean logo；Not shown)

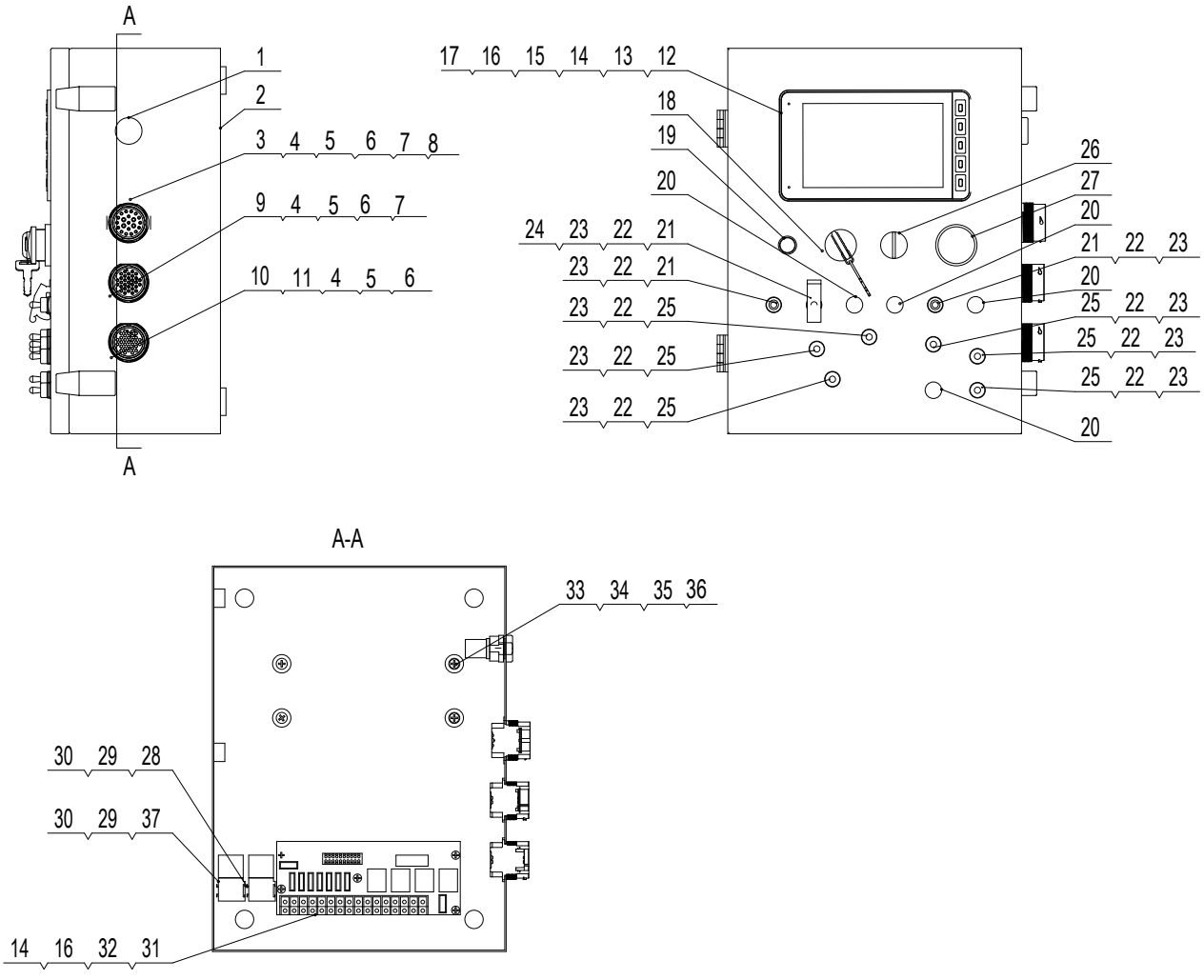
No.	Part No.	Qty.	Description
38	105031060026	1	Ground controller wiring diagram(Not shown)
39	105025063005	1	PC film, control box (turntable)(Not shown)
40	203060000150	1	Toggle switch guard

7.1.1.5 Turntable Controller Wiring Diagram (PN.105031060026)



No.	Part No.	Qty.	Description
	105031060026	1	Ground controller wiring diagram
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000041	10	Female connector
5	203080000068	4	Blind plug
6	203080000032	3	Lock
7	203080000404	3	Sheath
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000334	1	Socket, 9-pin diagnostic nipple
16	203080000326	1	Lock
17	203080000327	4	Pin
18	203080000133	2	Terminal, blade-hole type
19	203080000405	1	Sheath
20	203080000046	1	Lock
21	203080000033	2	Male connector
22	203080000086	1	Connector
23	203080003532	1	Sheath
24	203080003533	1	Lock
25	203080003216	1	Sheath
26	203080003218	7	AMP terminal
27	203060000085	6	#20 female terminal
28	203080000085	6	Blind plug
29	203080000044	1	Sheath
30	203080000020	1	Lock
31	203080000492	1	Waterproof cover

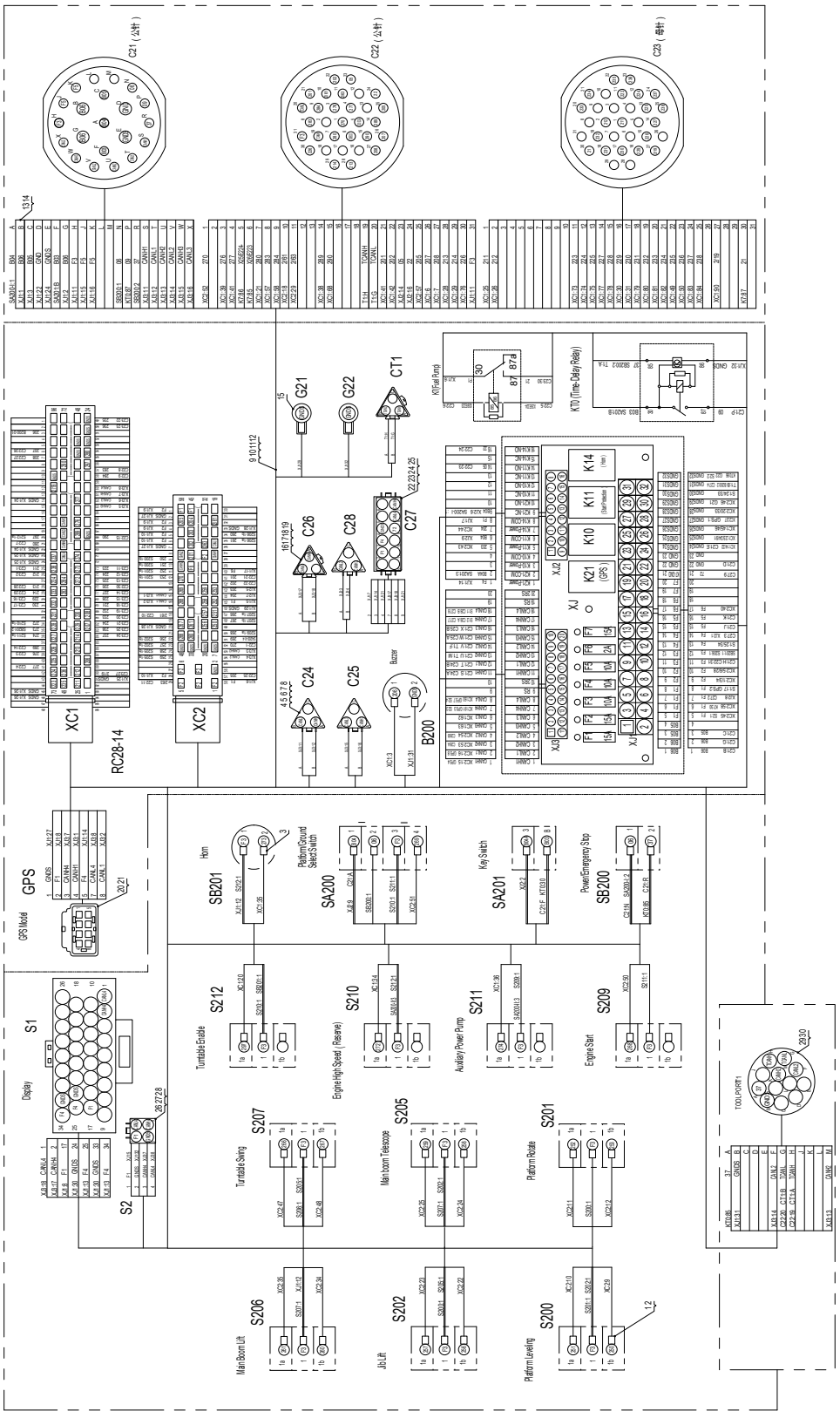
7.1.1.6 Turntable Controller Assembly (PN.105049063002)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203060000098	3	Metal spring plate
5	203060000101	3	Retaining nut
6	203080000068	20	Blind plug
7	203080000033	40	Male connector
8	203060000103	4	#12 male connector
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	19	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215020000109	4	Screw M5×10-A2-70 GB/T 818
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203080003147	1	Connector assembly, SECD-7I0A
18	203060000114	1	Key switch
19	203060000020	1	Button
20	105045060004	4	Controller plug
21	203060000021	3	Toggle switch
22	203080000101	9	Waterproof cap
23	203080000109	9	Nut
24	203060000150	1	Toggle switch guard
25	203060000003	6	Toggle switch
26	203060000029	1	Selector switch
27	203060000142	1	Switch, emergency stop
28	203040003005	1	Relay, time-delay
29	215040000002	2	Washer 4-A2-70 GB/T 93
30	215020000104	2	Screw M4×10-A2-70 GB/T 818
31	203030000015	1	Relay integration board
32	215020000110	5	Screw M5×12-A2-70 GB/T 818
33	215020000118	4	Screw M6×25-A2-70 GB/T 818
34	215040000004	4	Washer 6-A2-70 GB/T 93
35	215040000033	4	Washer 6-A2 GB/T 97.1
36	203080000378	1	Connector, controller
37	203040000003	1	Relay
38	105031060017	1	Ground control box wiring diagram(Not shown)

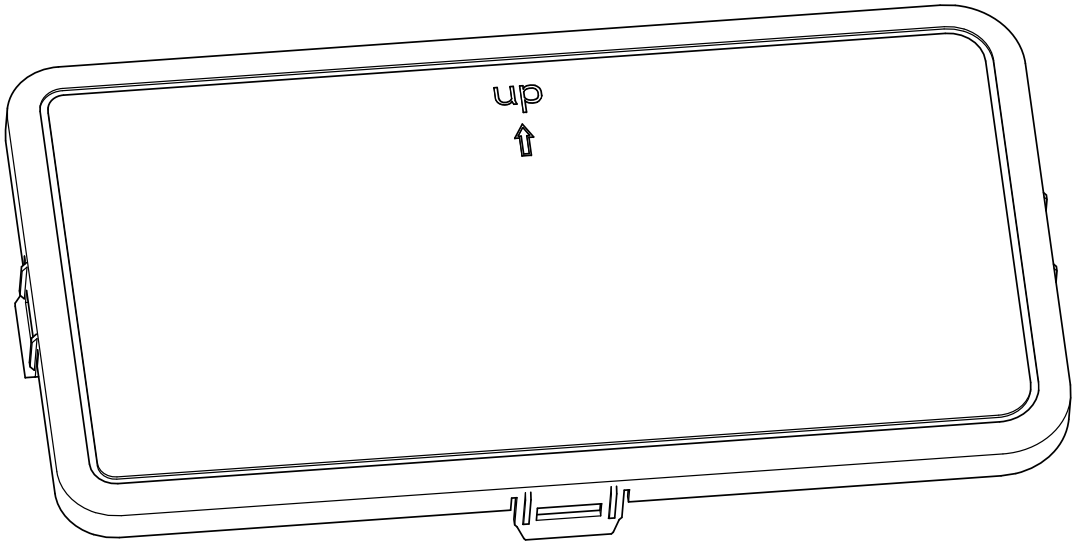
No.	Part No.	Qty.	Description
39	105025063005	1	PC film, control box (turntable)(Not shown)
40	105070063003	1	Surface film, control box (turntable)(Not shown)
41	203020000038	1	Controller(Not shown)

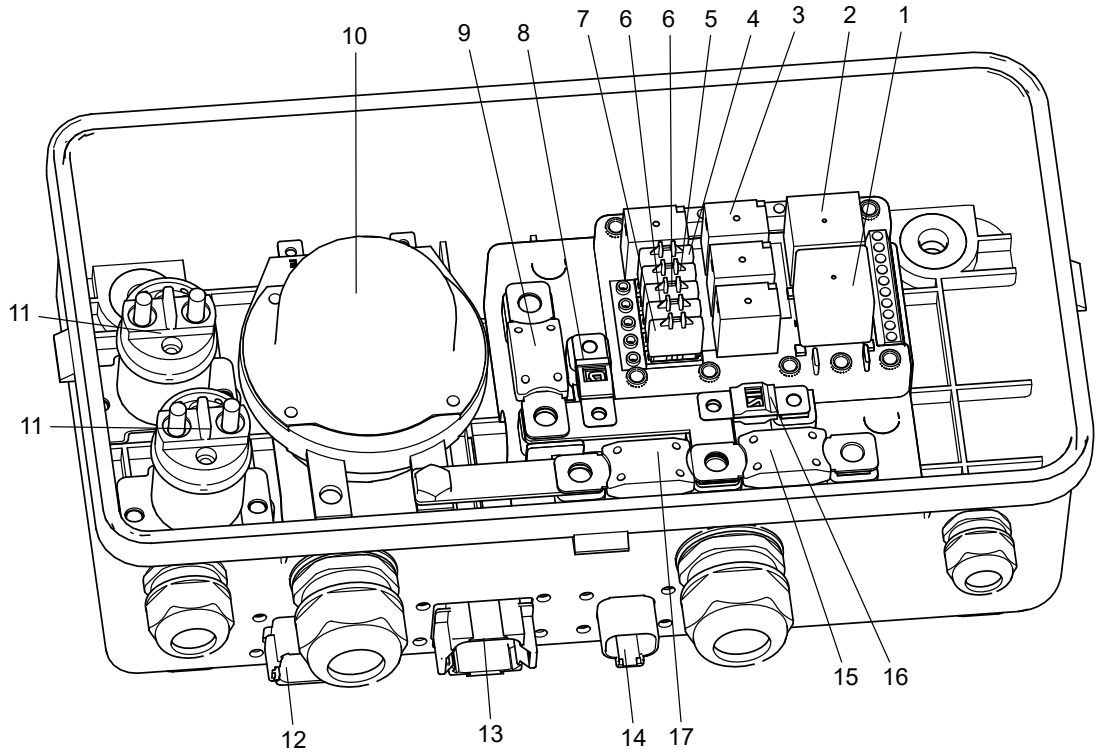
7.1.1.7 Turntable Controller Wiring Diagram (PN.105031060017)



No.	Part No.	Qty.	Description
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000404	3	Sheath
5	203080000032	3	Lock
6	203080000041	14	Female connector
7	203080000068	5	Blind plug
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000133	3	Terminal, blade-hole type
16	203080000405	2	Sheath
17	203080000046	2	Lock
18	203080000033	4	Male connector
19	203080000086	2	Connector
20	203080003216	1	Sheath
21	203080003218	7	AMP terminal
22	203080003532	1	Sheath
23	203080003533	1	Lock
24	203060000085	8	#20 female terminal
25	203080000085	4	Blind plug
26	203080000044	1	Sheath
27	203080000020	1	Lock
28	203080000492	1	Waterproof cover
29	203080003112	1	Sheath
30	203080000146	6	Pin, female
	105031060017	1	Ground control box wiring diagram

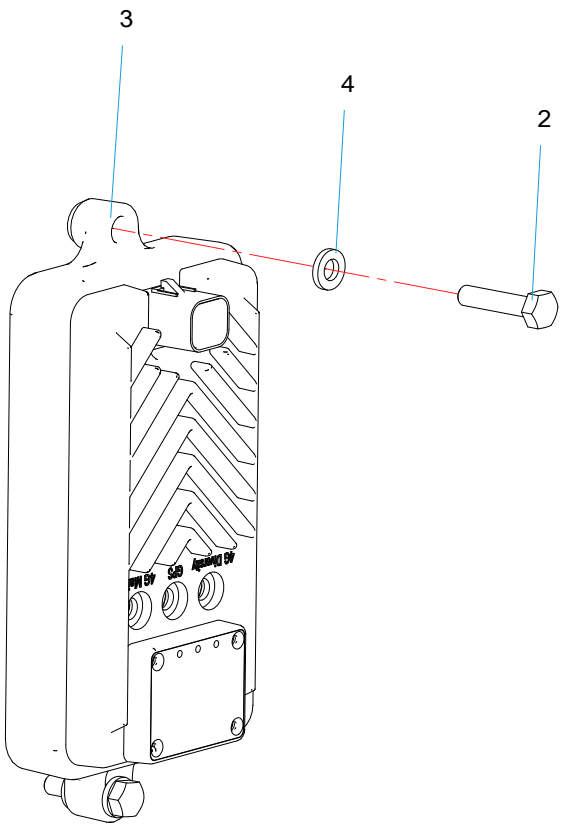
7.1.1.8 Power switch box(PN.203100003011)





No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.1.1.9 GPS Installation

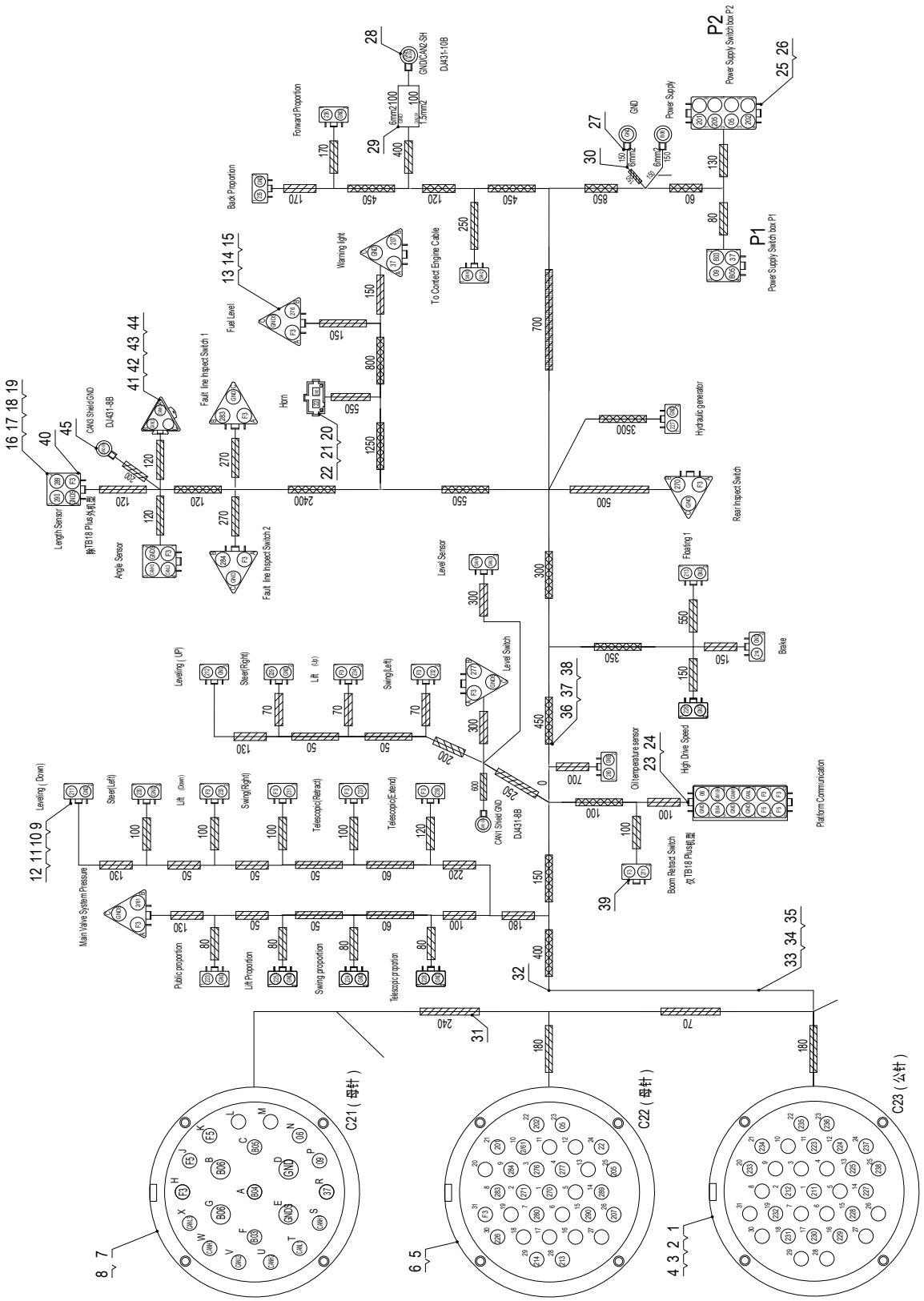


No.	Part No.	Qty.	Description
1	203150003022	1	GPS/LTE antenna(Not Shown)
2	215010003054	2	Nylon Bolt M6×25-4.8-PA66
3	203150003021	1	GPS module
4	215040003034	4	Nylon Washer 6-PA66

7.1.1.10 GPS Installation (Hornet Rentals)

No.	Part No.	Qty.	Description
1	105055063003	1	Cable, adapter (Huatie)
2	203990003077	1	Hornet T-BOX

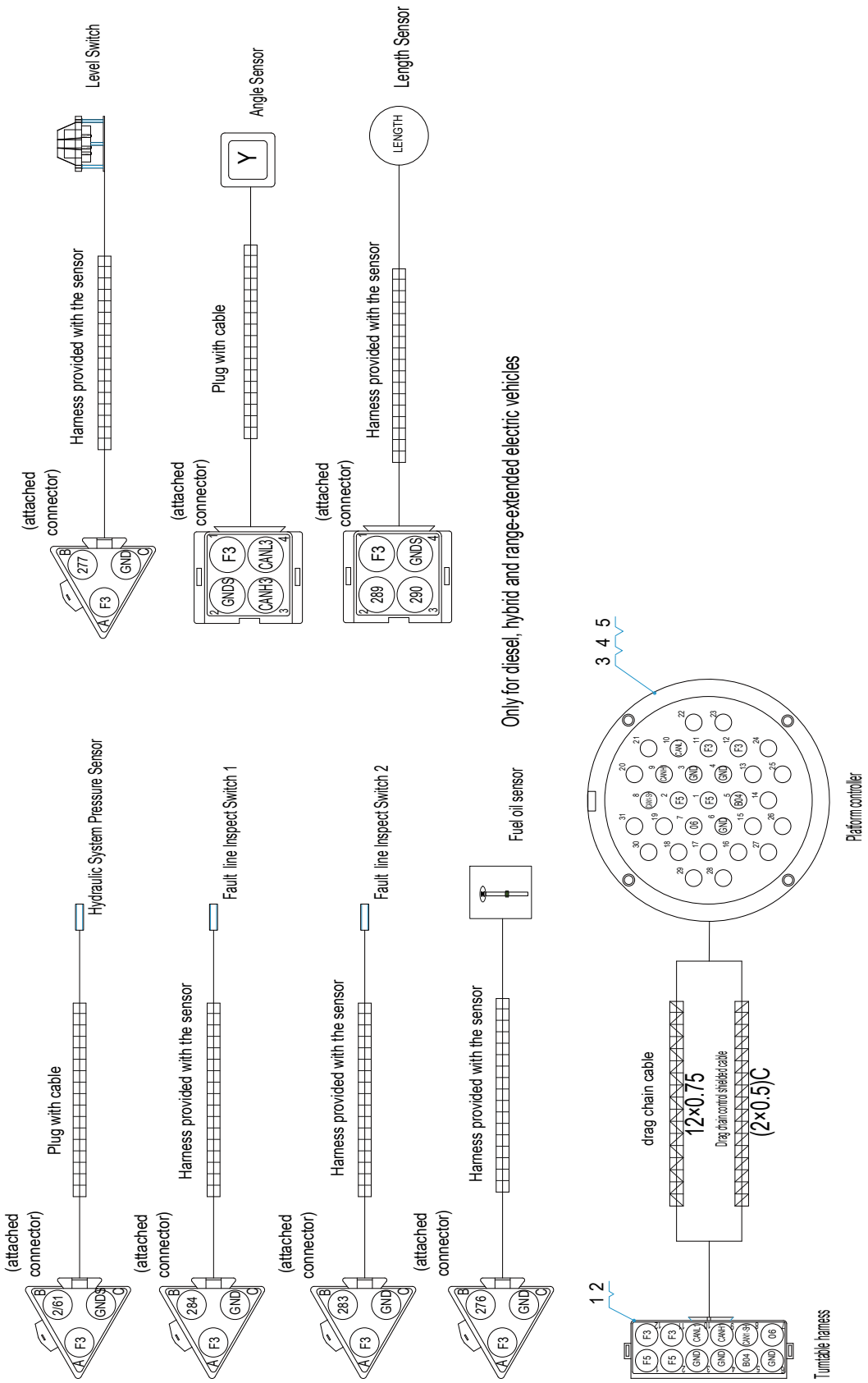
7.1.1.11 Turntable Harness (PN.105049063002)



No.	Part No.	Qty.	Description
	105049063002	1	Turntable harness
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	19	Male connector
4	203080000068	29	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	145	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000437	23	End attachments, 2-pin, female
12	203080000448	23	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	3	Sheath
17	203080000020	3	Lock
18	203080000445	3	End attachments, 4-pin, female
19	203080000446	3	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	1	Sheath
24	203080000159	1	Lock
25	203080000100	1	Connector
26	203080000112	1	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	3	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end
38	203080000037	2	Corrugated pipe

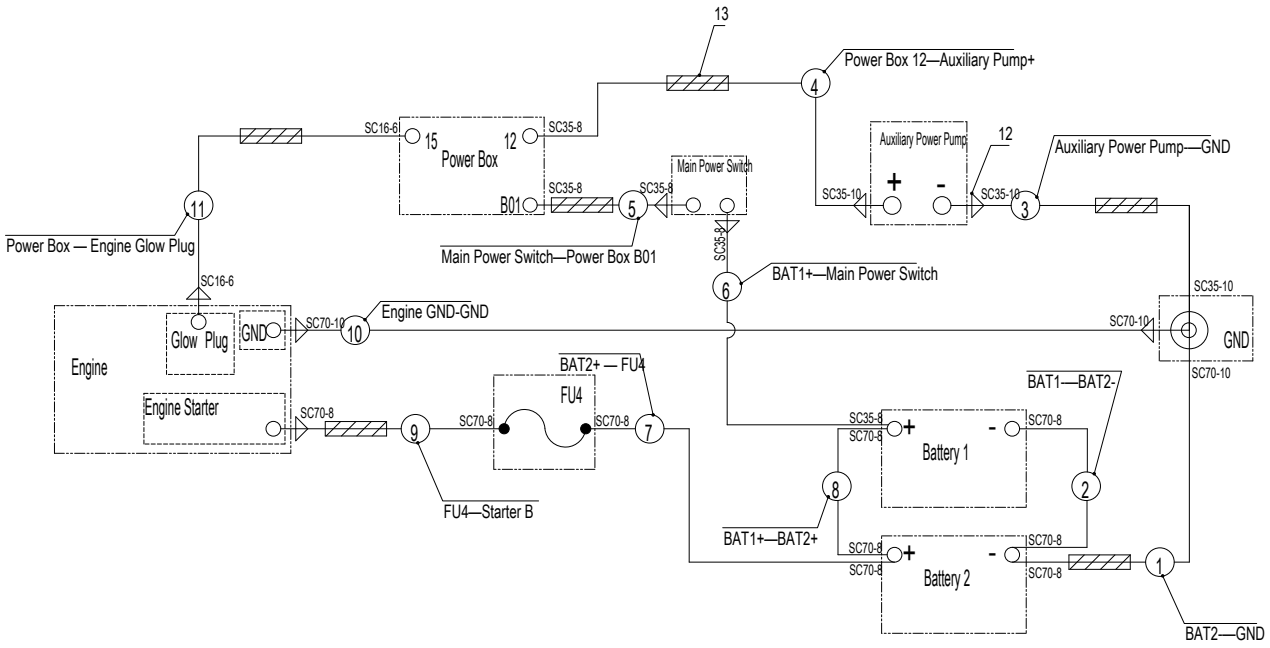
No.	Part No.	Qty.	Description
39	203080000474	3	Waterproof cover
40	203080000492	1	Waterproof cover
41	203080000405	1	Sheath
42	203080000046	1	Lock
43	203080000455	1	End attachments, 3-pin, male
44	203080000086	1	Connector
45	203080000018	2	Ring tongue terminal

7.1.1.12 Turntable Sensor Harness (PN.114002063009)



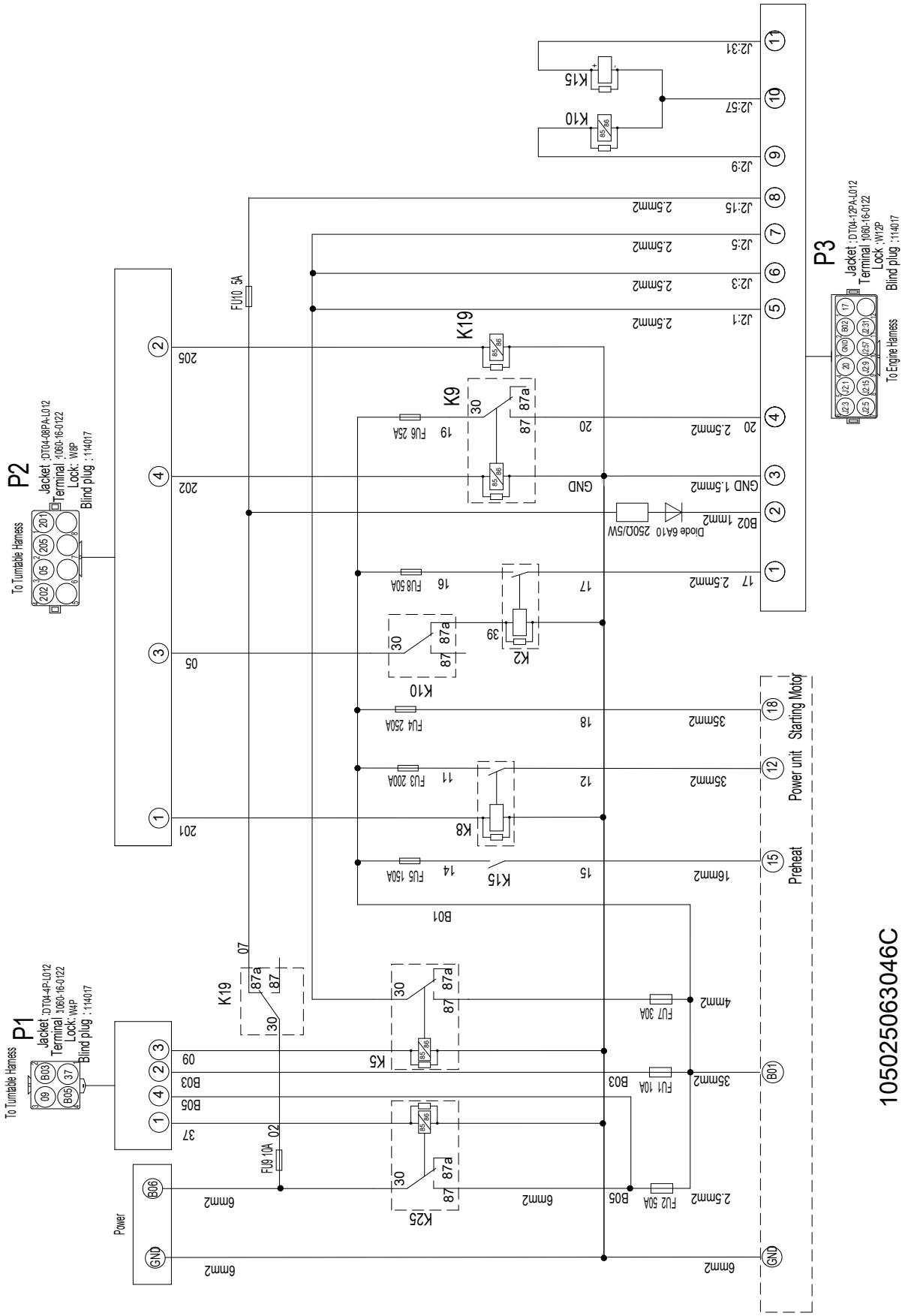
No.	Part No.	Qty.	Description
	114002063009	1	Turntable Sensors Harness
1	203080000403	1	Sheath
2	203080000157	1	Lock
3	203080000520	1	31-pin female terminal sheath
4	203060000096	1	180 deg. end clip
5	203080000068	19	Blind plug

7.1.1.13 Power Harness (PN.105064063086)



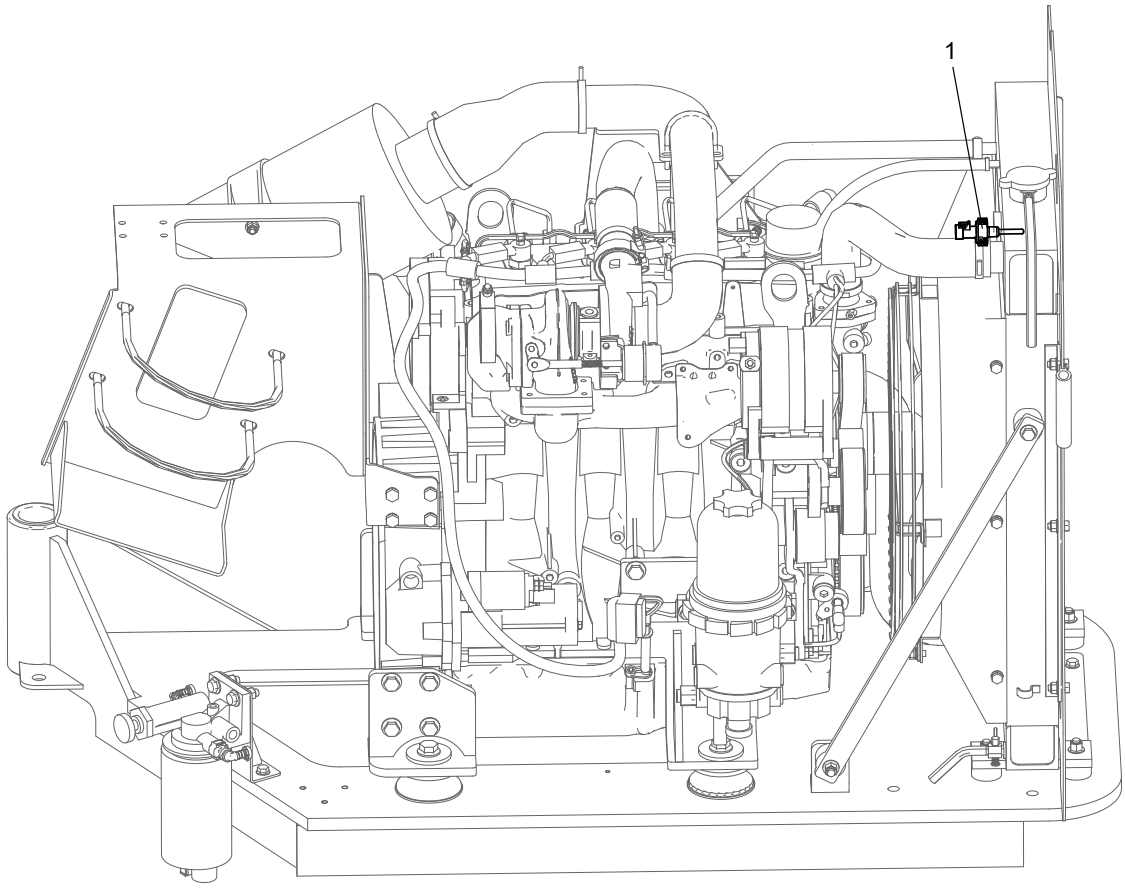
No.	Part No.	Qty.	Description
	105064063086	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000529	1	Power line
10	203230000523	1	Power line
11	203230000875	1	Power line
12	203080000004	8	PVC sheath
13	203080000422	16	Nylon hose, closed-end

7.1.1.14 Electrical Schematic of Power Switch Box (PN.105025063046)



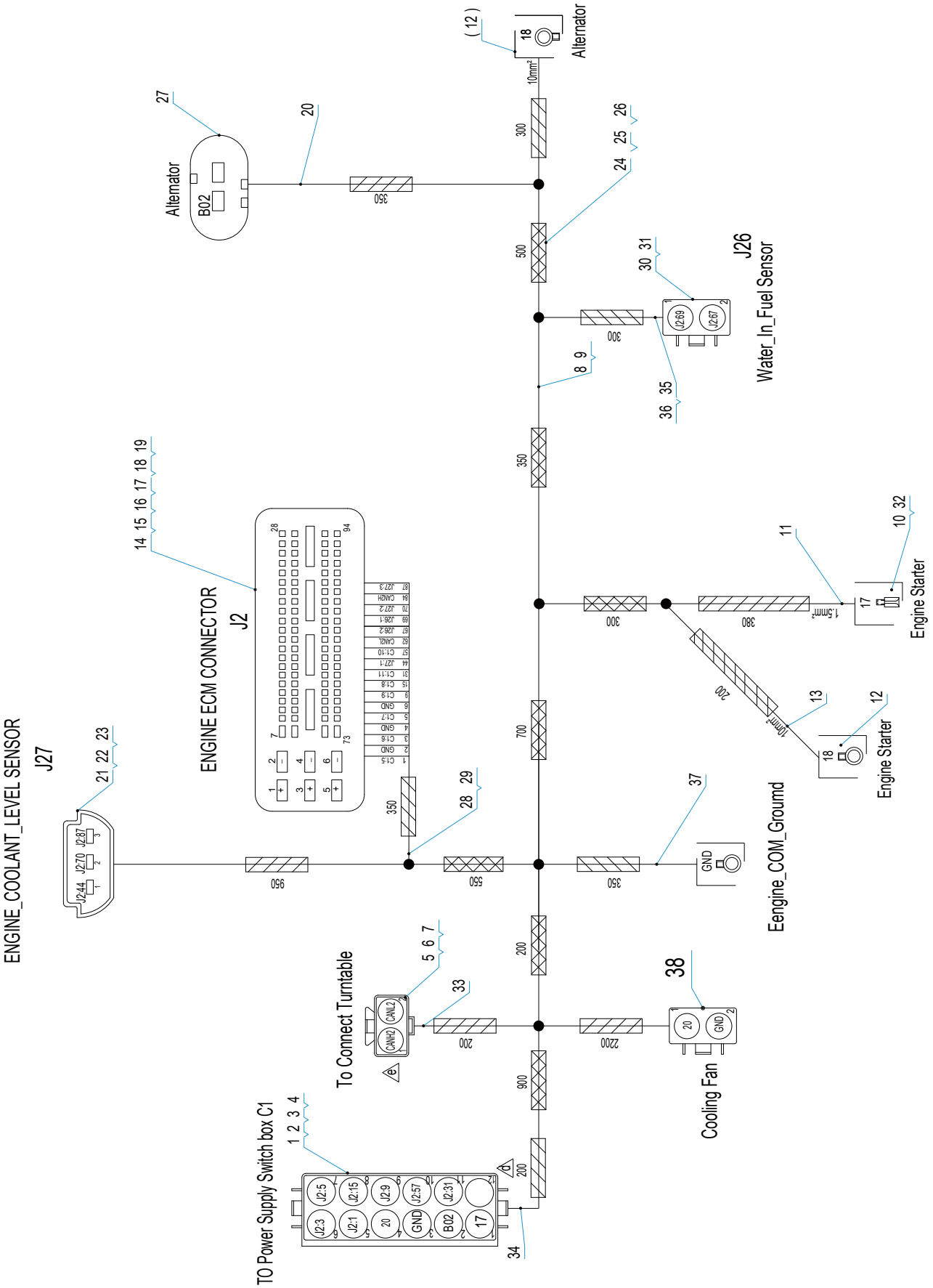
7.1.2 ENGINE ELECTRICAL SYSTEM

7.1.2.1 Engine Electrical Components Installation (Cummis)



No.	Part No.	Qty.	Description
1	203150003026	1	Liquid level sensor
2	105031060010	1	Wiring harness, Cummins engine, electrically-operated(Not Shown)

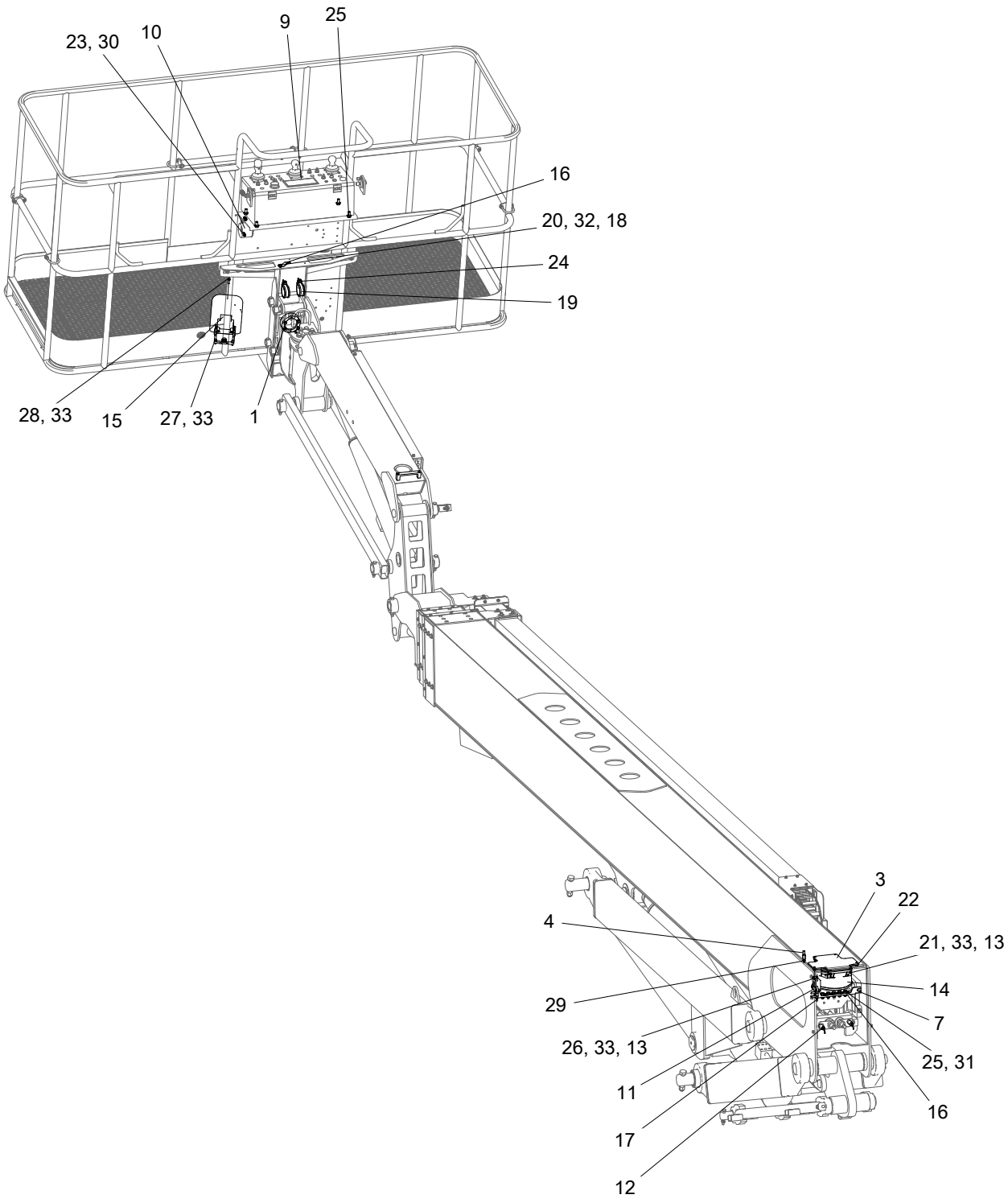
7.1.2.2 Engine Harness (PN.105031060010)



No.	Part No.	Qty.	Description
1	203080000414	1	Sheath
2	203080000159	1	Lock
3	203080000041	12	Female connector
4	203080000068	2	Blind plug
5	203080000408	1	Sheath
6	203080000021	1	Lock
7	203080000033	2	Male connector
8	203080000375	26	Cable
9	203080000370	4	Cable
10	203080000025	1	Terminal
11	203080000372	3	Cable
12	203080000244	2	Terminal,round top insulated
13	203080000367	2	Cable
14	203080000330	1	94-pin terminal
15	203080000325	6	Pin
16	203080000333	11	Pin
17	203080000322	6	Seal ring
18	203080000324	73	Blind plug, small
19	203080000328	4	Middle Blind Plug (Electronic Control Cummins)
20	203080000035	1	Heat shrink tube
21	203080000331	1	Plug
22	203080000323	3	Pin
23	203080000332	1	Seal plug
24	203080000037	2	Corrugated pipe
25	203080000006	4	Corrugated pipe
26	203080000463	2	Nylon hose, closed-end
27	203080000329	1	Plug
28	203080000369	6	Cable
29	203080000582	8	Wire
30	203080000410	2	Sheath
31	203080000016	2	Lock
32	203080000129	1	Jacket, flexible
33	203080000465	1	End clip
34	203080000461	1	End clip
35	203080000437	2	End attachments, 2-pin, female
36	203080000448	2	Rubber part
37	203080000191	1	Cable
38	203080000474	1	Waterproof cover
	105031060010	1	Wiring harness, Cummins engine, electrically-operated

7.1.3 BOOM ELECTRICAL SYSTEM

7.1.3.1 Boom Electrical Components Installation

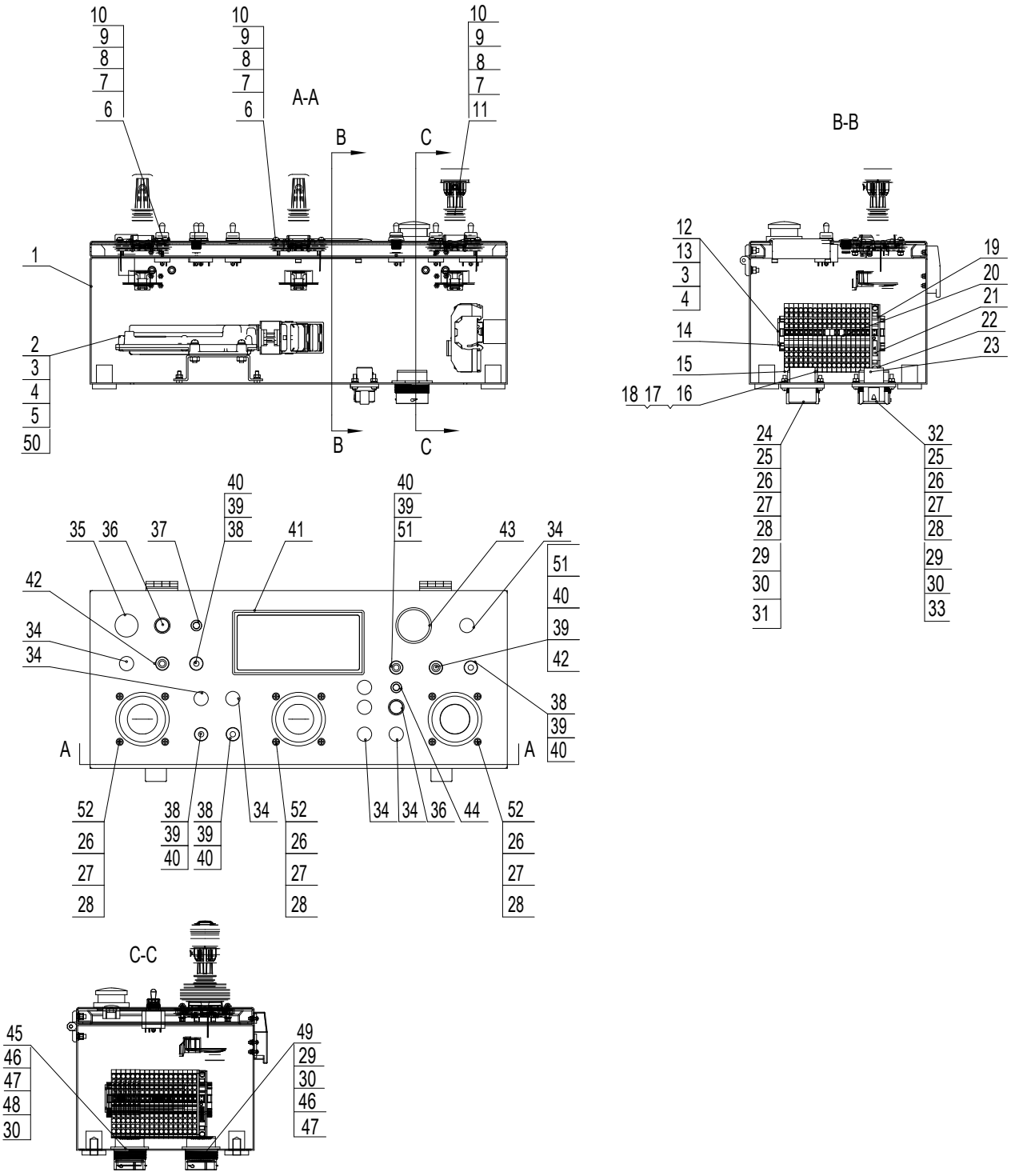


No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

7.1.3.2 Load sensor options

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

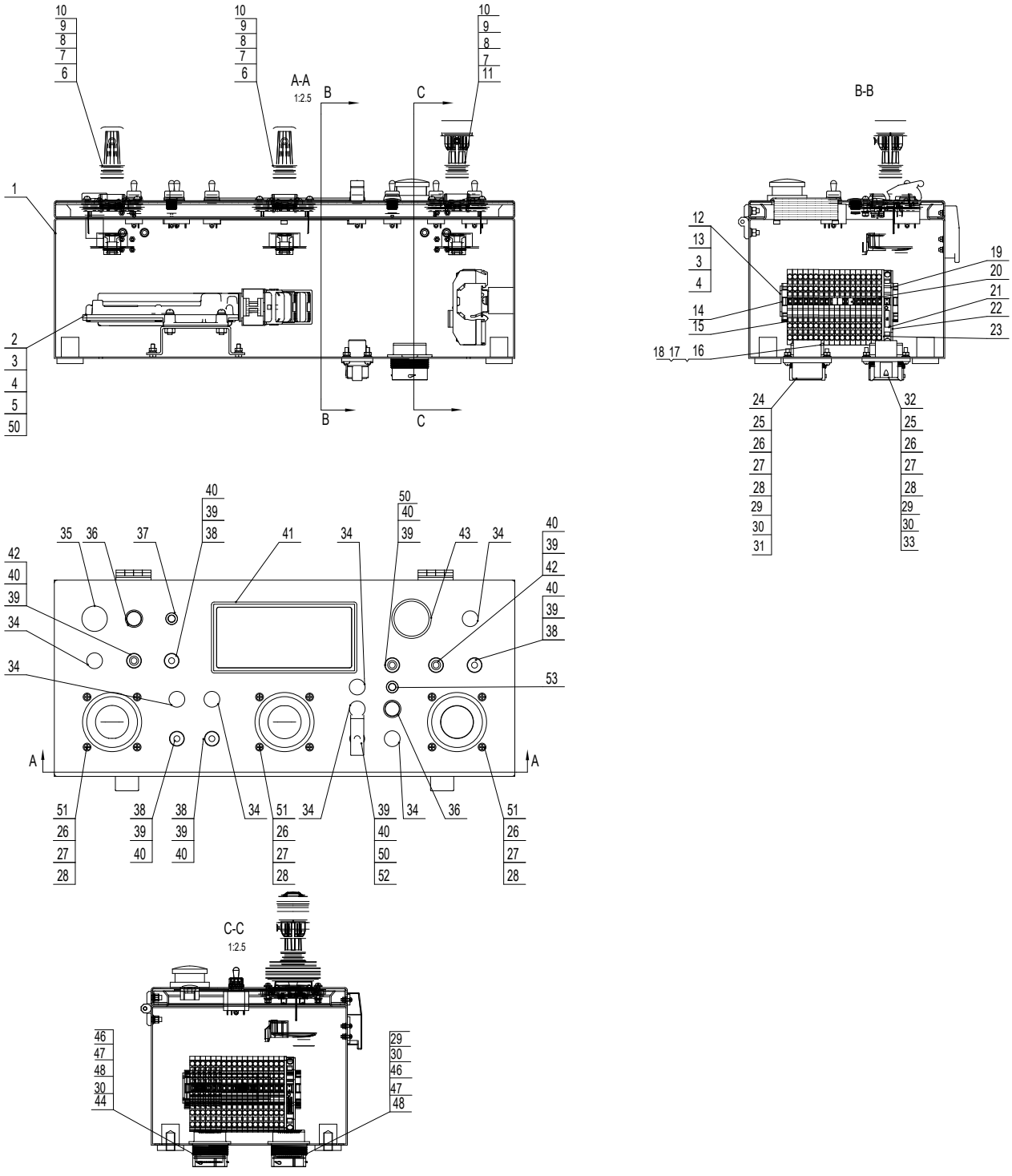
7.1.3.3 Platform Controller Assembly (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

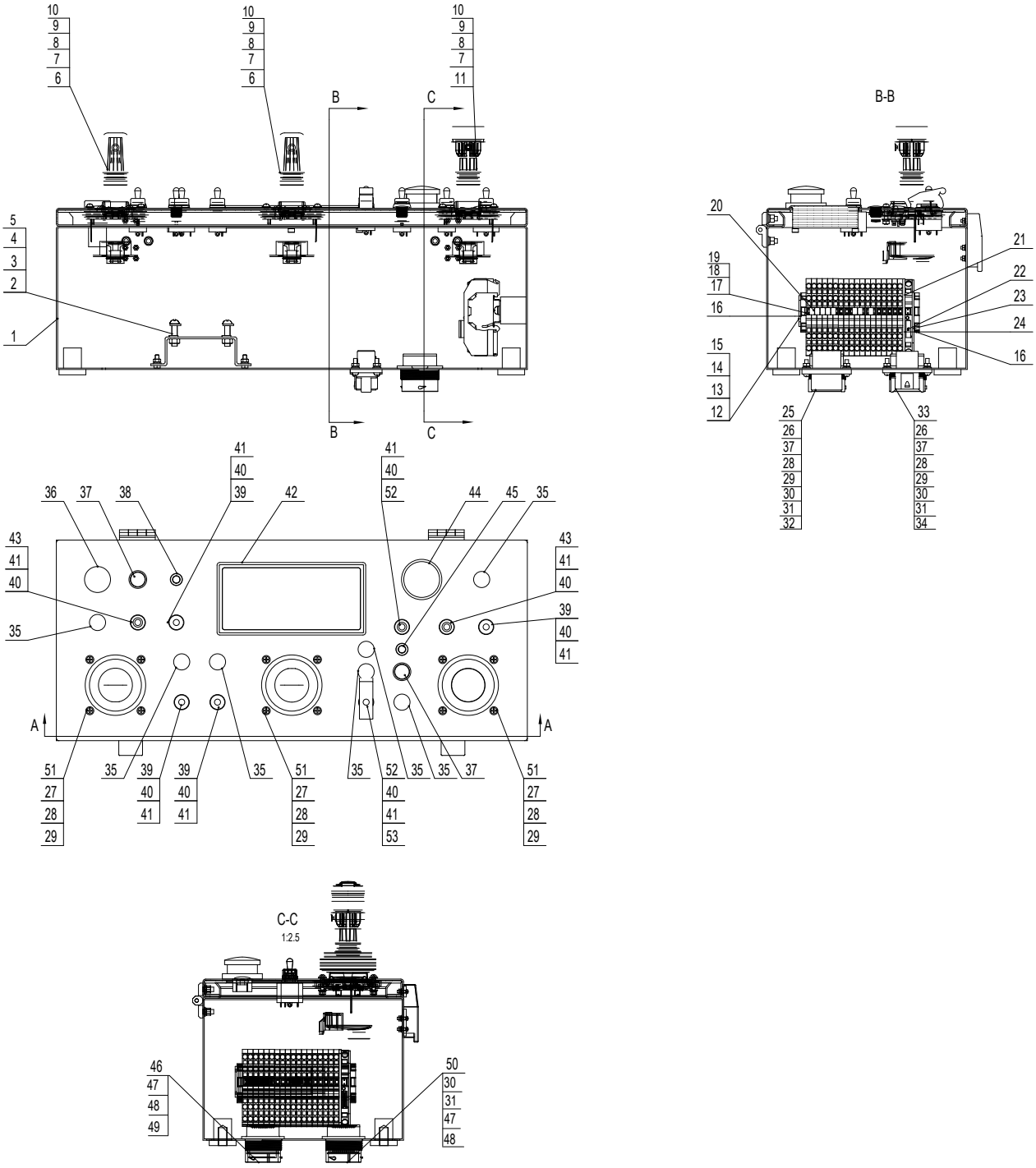
7.1.3.4 Platform Controller Assembly (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

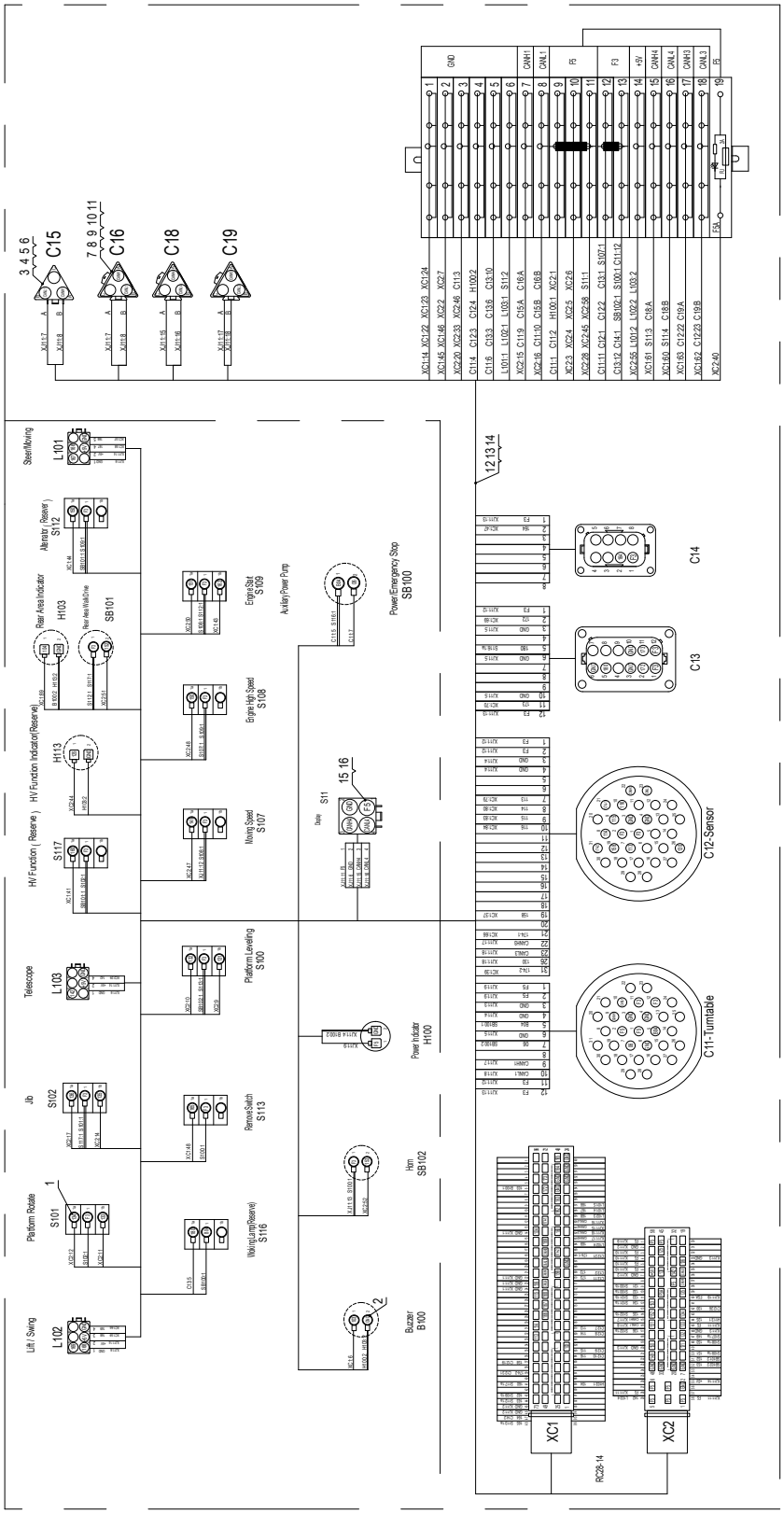
7.1.3.5 Platform Controller Assembly (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

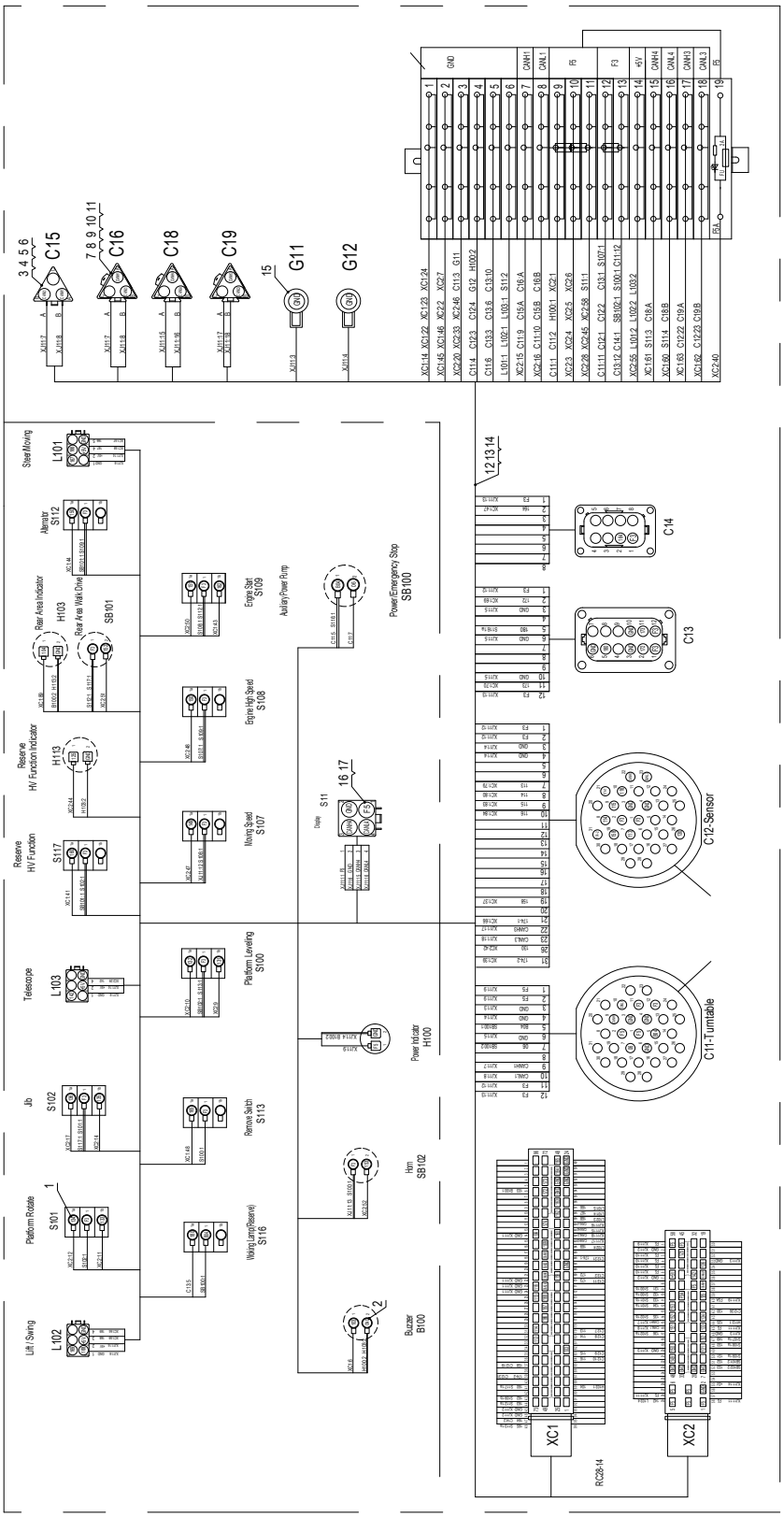
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.1.3.6 Platform Controller Wiring Diagram (PN.105050063026)



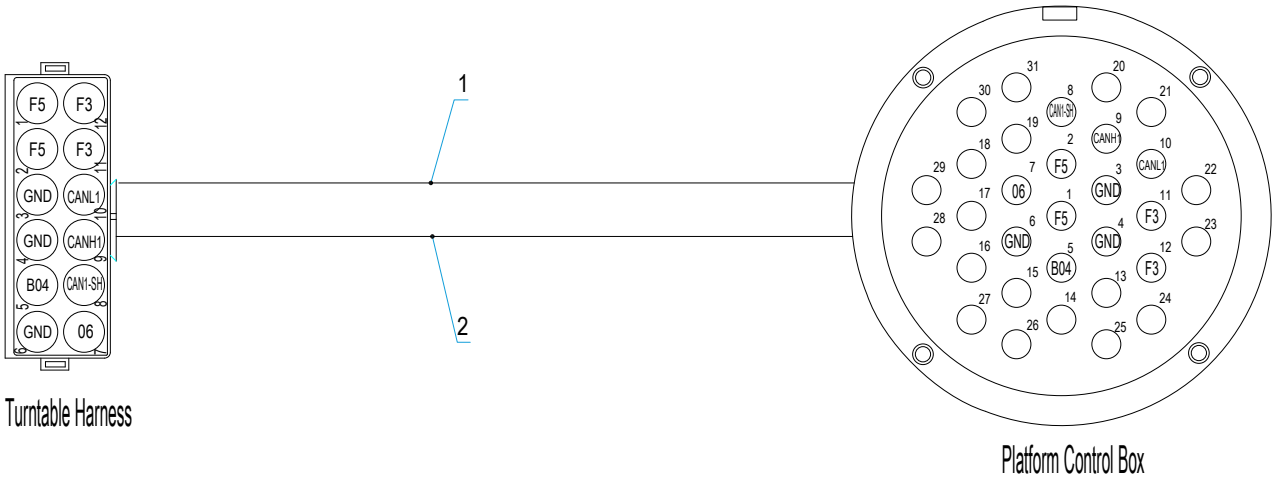
No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.1.3.7 Platform Controller Wiring Diagram (PN.105050063067)



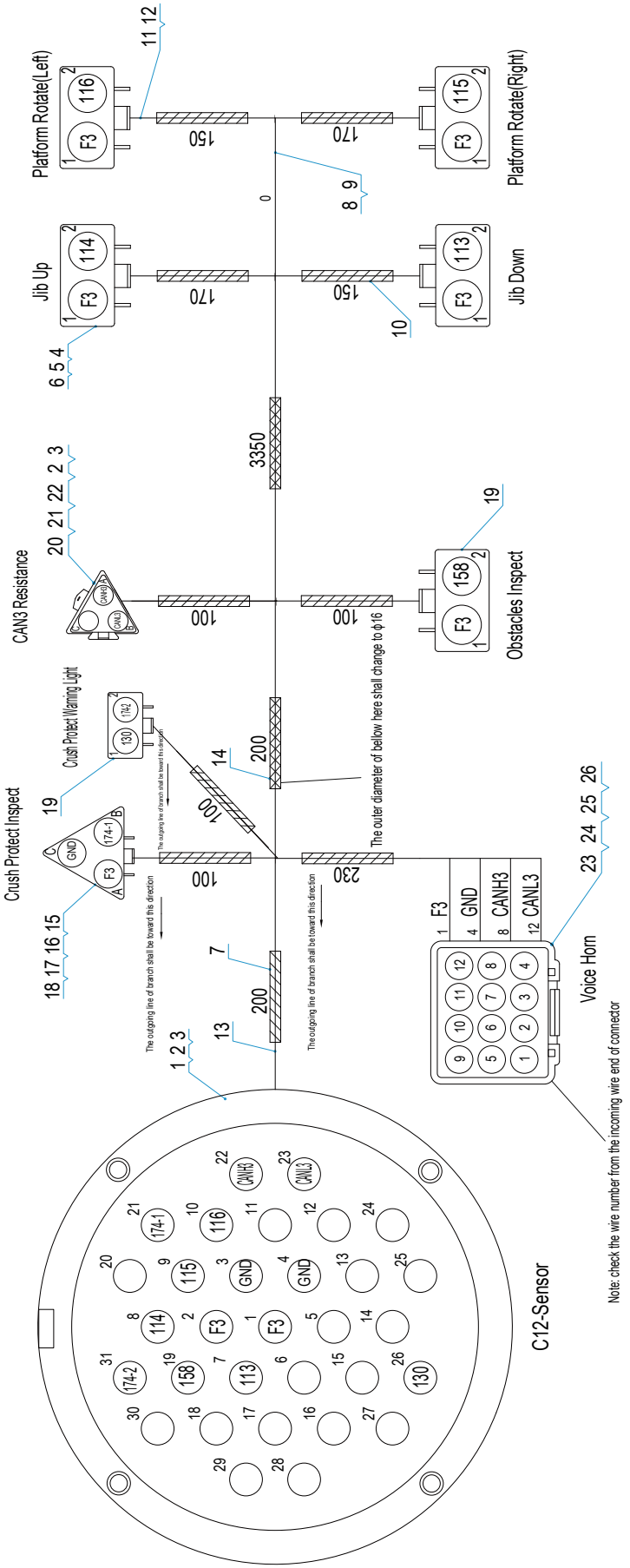
No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

7.1.3.8 Cable Track Diagram (PN.114002063018)



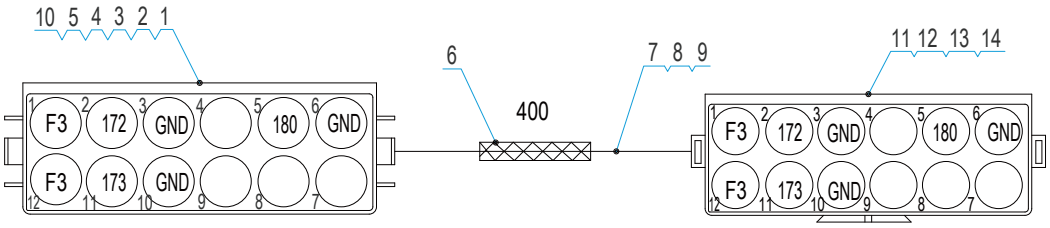
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.1.3.9 Wiring harness, platform(PN.105050063001)



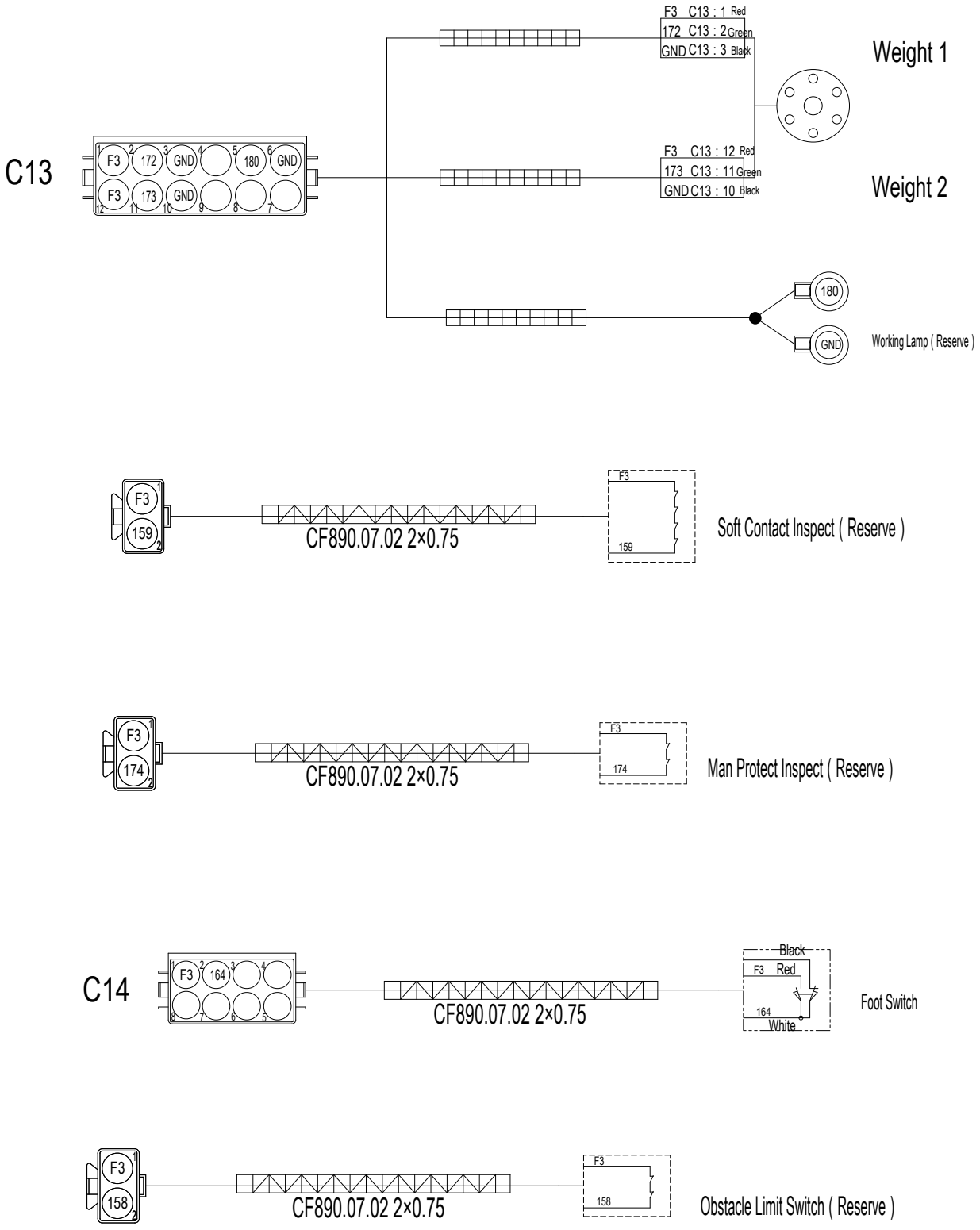
No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

7.1.3.10 Platform Harness (PN.103006063009)



No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

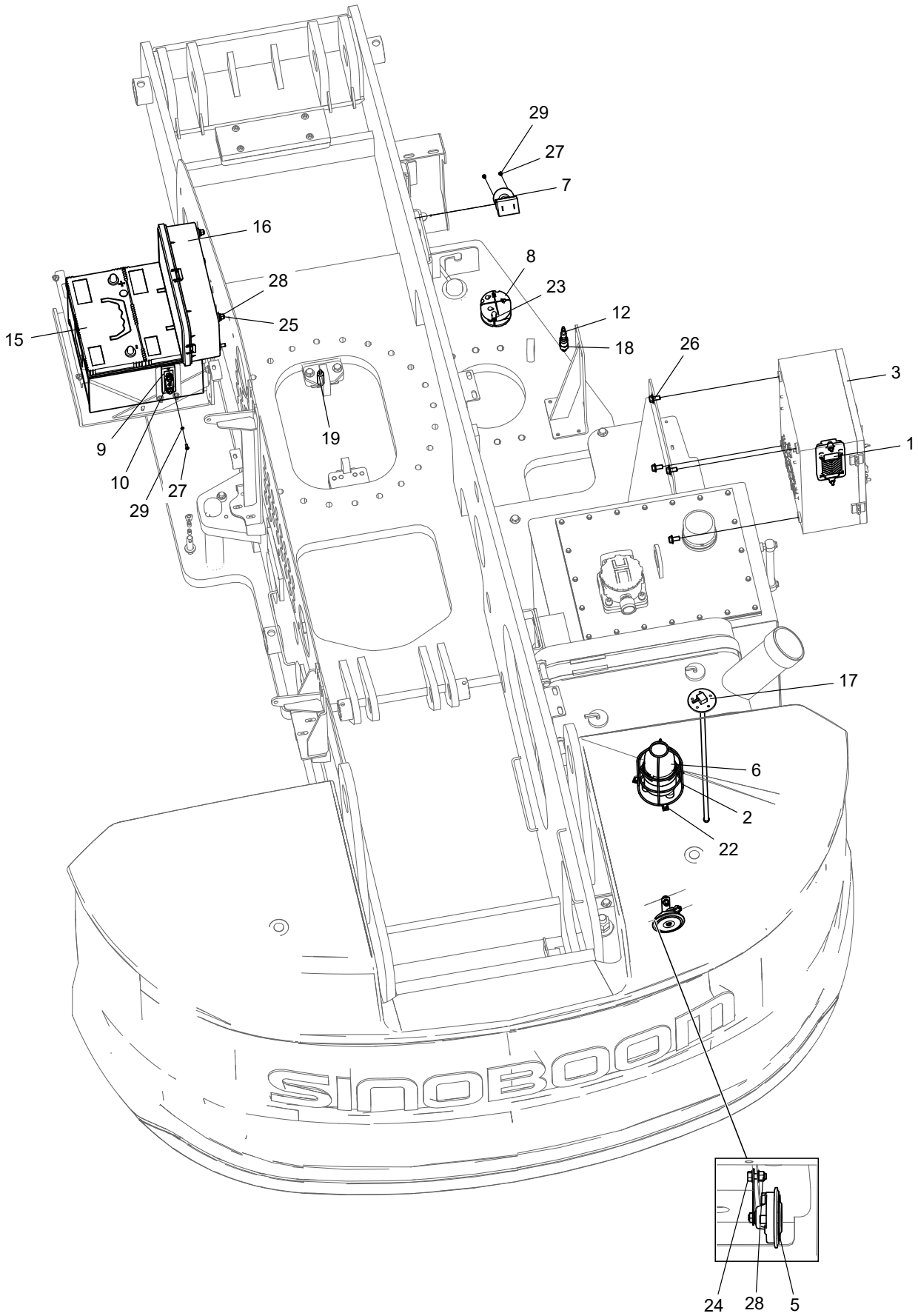
7.1.3.11 Platform Sensor Harness (PN.105031060013)



7.2 ELECTRICAL SYSTEM (DEUTZ D2.9 L4 EURO 5)

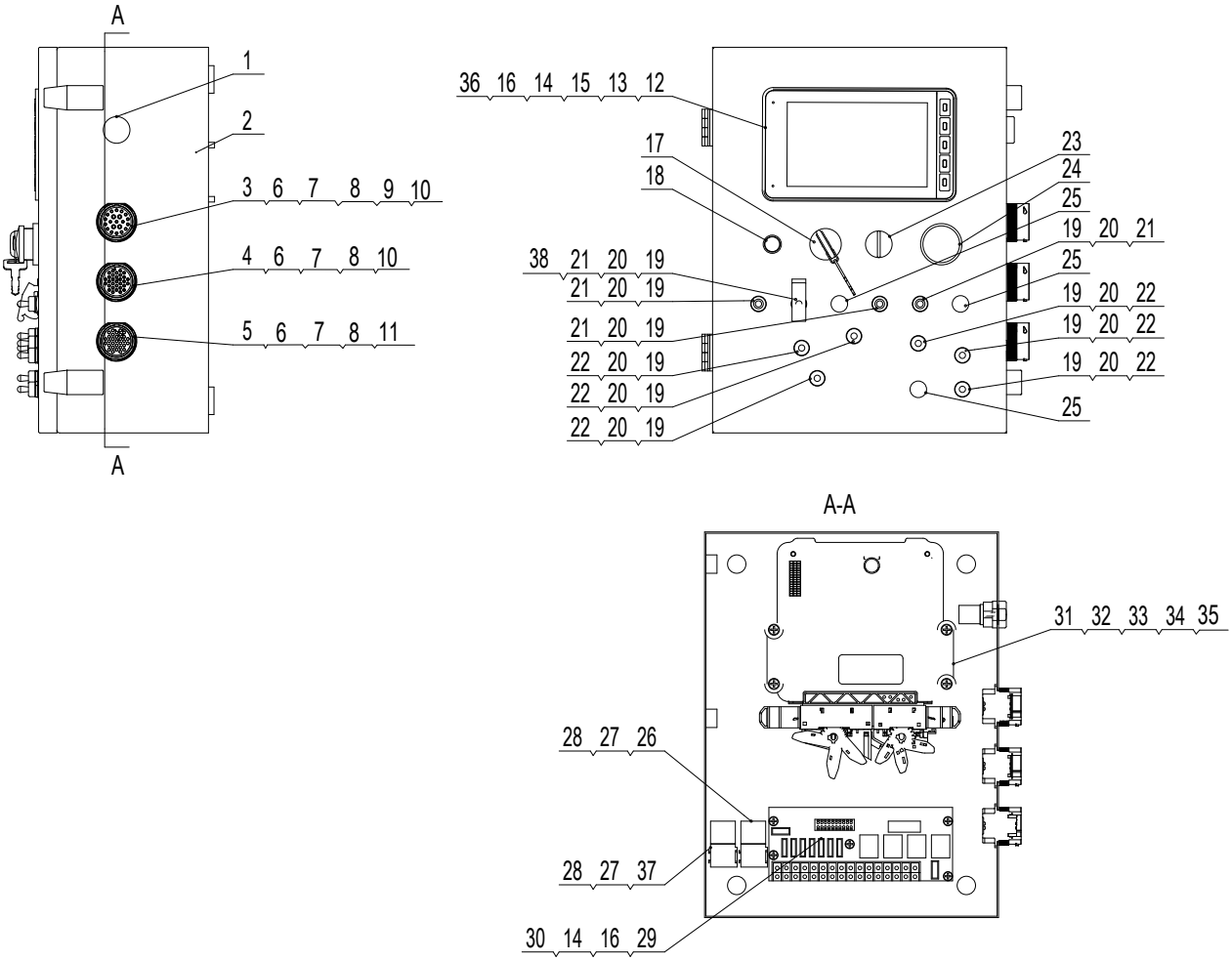
7.2.1 TURNTABLE ELECTRICAL SYSTEM

7.2.1.1 Turntable Electrical Components Installation (Deutz D2.9 L4/Euro 5)



No.	Part No.	Qty.	Description
1	103006063020	1	Options, GPS installation
2	105021060024	1	Guard, light (warning)
3	105029063044	1	Ground controller assembly
4	105064063087	1	Electrical power wiring layout(Not shown)
5	203050000034	1	Horn
6	203050003017	1	Caution light
7	203060000024	1	Power switch
8	203060000111	1	Level switch
9	203070000056	1	Fuse holder
10	203070003009	1	Fuse
11	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
12	203080003094	1	Plug with cable
13	203100000051	2	Sheath, flexible (L, black)(Not shown)
14	203100000053	2	Sheath, flexible (L, red)(Not shown)
15	203100000061	2	Maintenance-free battery
16	203100003012	1	Power switch box
17	203150000006	1	Single-tube level sensor
18	203150000055	1	Sensor, pressure
19	203150003010	1	Proximity switch
20	105049063003	1	Turntable harness(Not shown)
21	114002063009	1	Turntable Sensors Harness(Not shown)
22	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
24	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
25	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
26	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
27	215020000110	4	Screw M5×12-A2-70 GB/T 818
28	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
29	215040000003	4	Washer 5-A2-70 GB/T 93

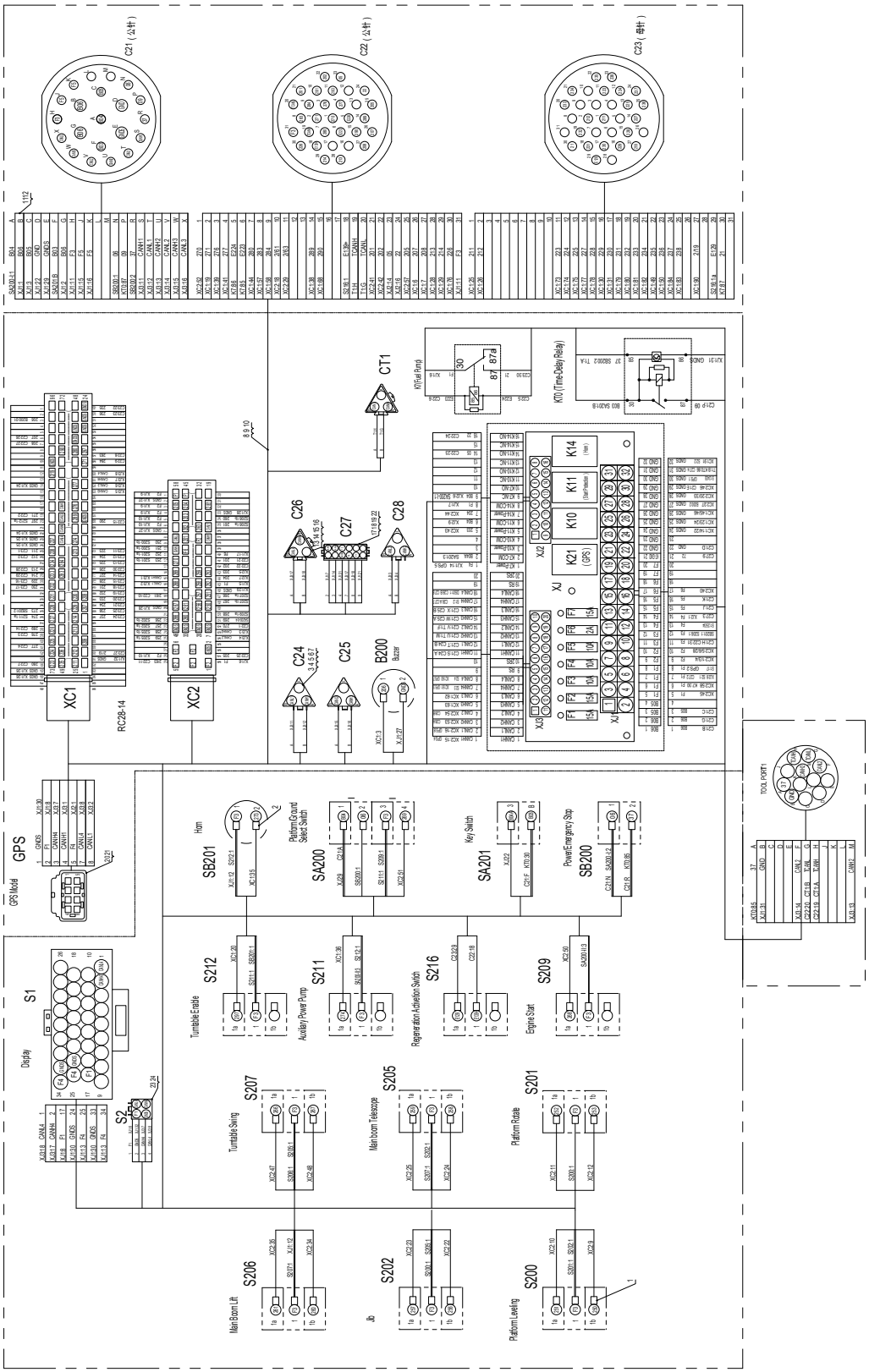
7.2.1.2 Turntable Controller Assembly (PN.105029063044)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	17	Blind plug
9	203060000103	4	#12 male connector
10	203080000033	42	Male connector
11	203080000041	19	Female connector
12	203200000004	1	Display screen
13	105001060106	3	Display fixing folded plate
14	215040000003	11	Washer 5-A2-70 GB/T 93
15	215020000109	6	Screw M5×10-A2-70 GB/T 818
16	215040000032	11	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203080000109	10	Nut
20	203080000101	10	Waterproof cap
21	203060000021	4	Toggle switch
22	203060000003	6	Toggle switch
23	203060000029	1	Selector switch
24	203060000142	1	Switch, emergency stop
25	105045060004	3	Controller plug
26	203040003005	1	Relay, time-delay
27	215040000002	2	Washer 4-A2-70 GB/T 93
28	215020000104	2	Screw M4×10-A2-70 GB/T 818
29	203030000015	1	Relay integration board
30	215020000110	5	Screw M5×12-A2-70 GB/T 818
31	203020000038	1	Controller
32	215040000033	4	Washer 6-A2 GB/T 97.1
33	215040000004	4	Washer 6-A2-70 GB/T 93
34	215020000118	4	Screw M6×25-A2-70 GB/T 818
35	203080000378	1	Connector, controller
36	203080003147	1	Connector assembly, SECD-7I0A
37	203040000003	1	Relay
38	203060000150	1	Toggle switch guard

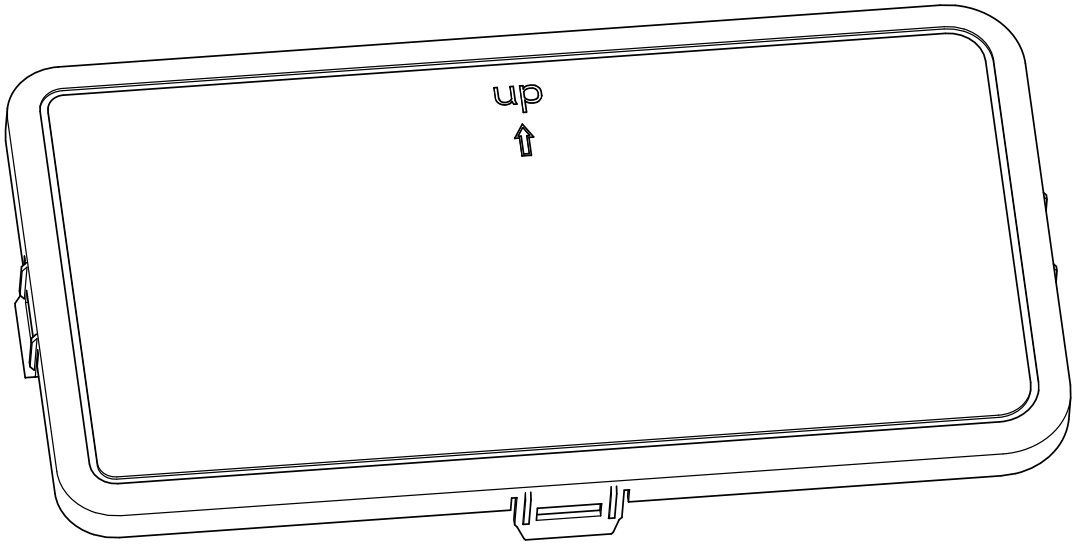
No.	Part No.	Qty.	Description
39	105025063002	1	Ground controller wiring diagram(Not shown)
40	105025063004	1	Turntable controller mask(Not shown)
41	105025063005	1	PC film, control box (turntable)(Not shown)

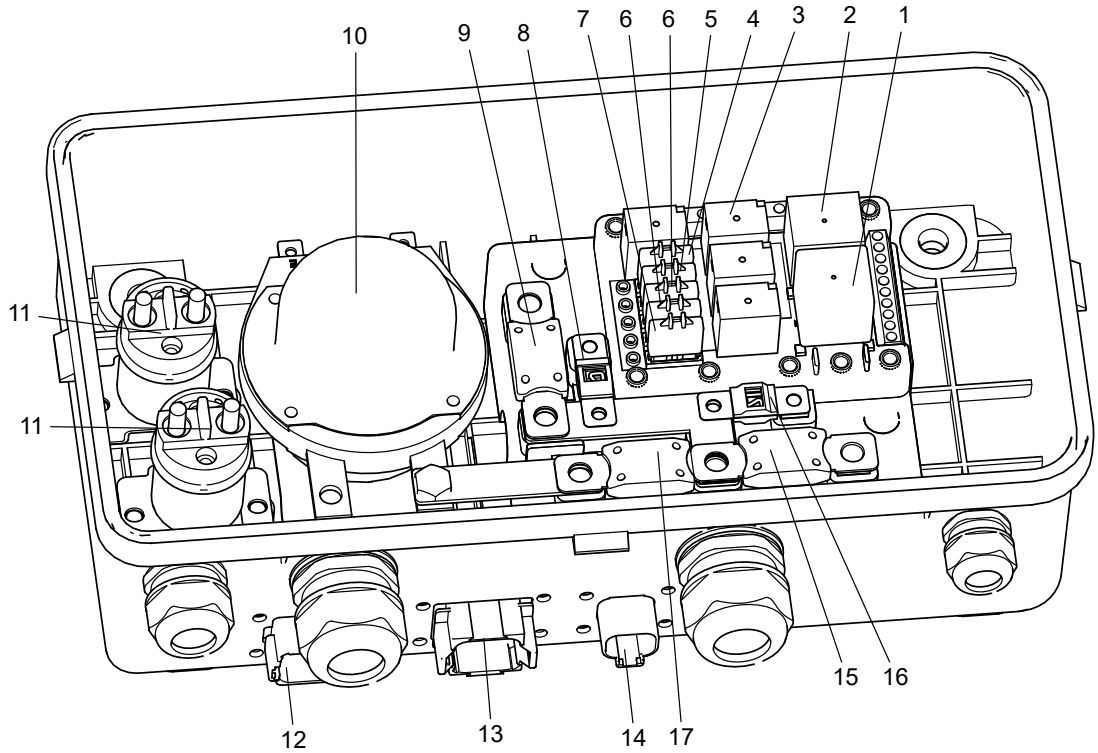
7.2.1.3 Turntable Controller Wiring Diagram (PN.105025063002)



No.	Part No.	Qty.	Description
	105025063002	1	Ground controller wiring diagram
1	203080000036	26	Cold-pressed terminal
2	203080000023	4	Ring tongue terminal
3	203080000404	3	Sheath
4	203080000032	3	Lock
5	203080000041	10	Female connector
6	203080000068	5	Blind plug
7	203080000473	3	Waterproof cover
8	203080000564	15	Thin-wall wire
9	203080000562	5	Thin-wall wire
10	203080000563	7	Thin-wall wire
11	203080000047	1	Cable
12	203080000196	1	Cable
13	203080000405	2	Sheath
14	203080000046	2	Lock
15	203080000033	4	Male connector
16	203080000086	2	Connector
17	203080003532	1	Sheath
18	203080003533	1	Lock
19	203060000085	6	#20 female terminal
20	203080003216	1	Sheath
21	203080003218	7	AMP terminal
22	203080000085	6	Blind plug
23	203080000044	1	Sheath
24	203080000020	1	Lock

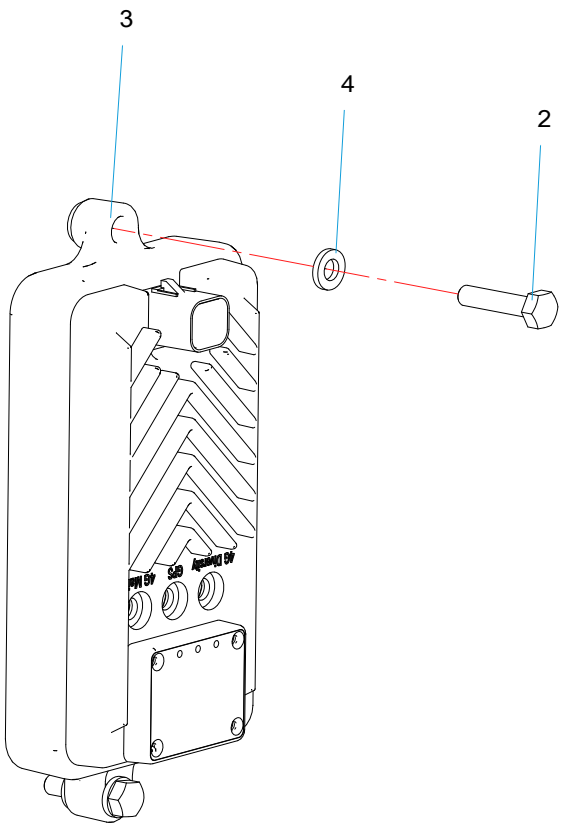
7.2.1.4 Power Switch Box (PN.203100003012)





No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.2.1.5 GPS Installation

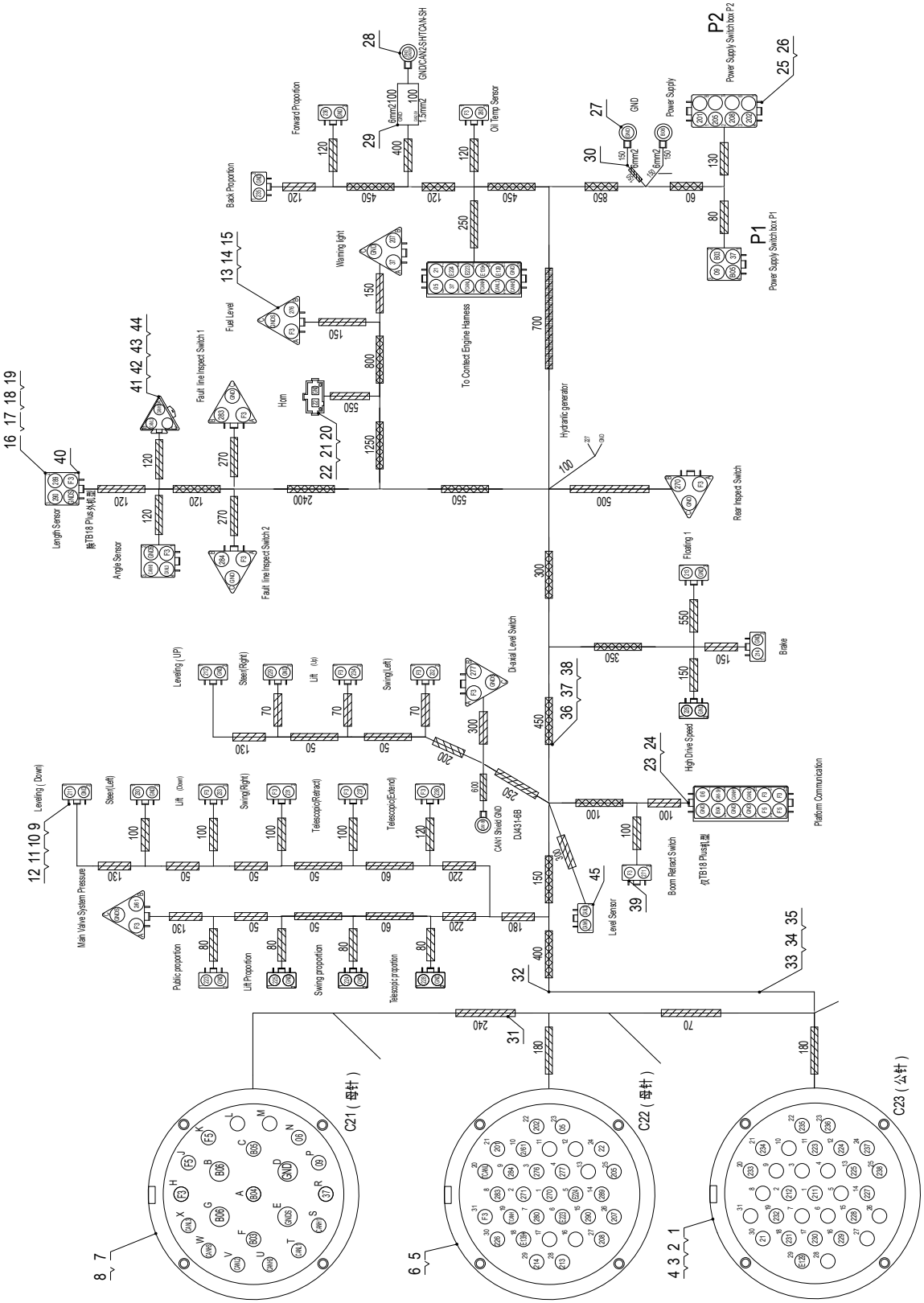


No.	Part No.	Qty.	Description
1	203150003022	1	GPS/LTE antenna(Not Shown)
2	215010003054	2	Nylon Bolt M6×25-4.8-PA66
3	203150003021	1	GPS module
4	215040003034	4	Nylon Washer 6-PA66

7.2.1.6 GPS Installation (Hornet Rentals)

No.	Part No.	Qty.	Description
1	105055063003	1	Cable, adapter (Huatie)
2	203990003077	1	Hornet T-BOX

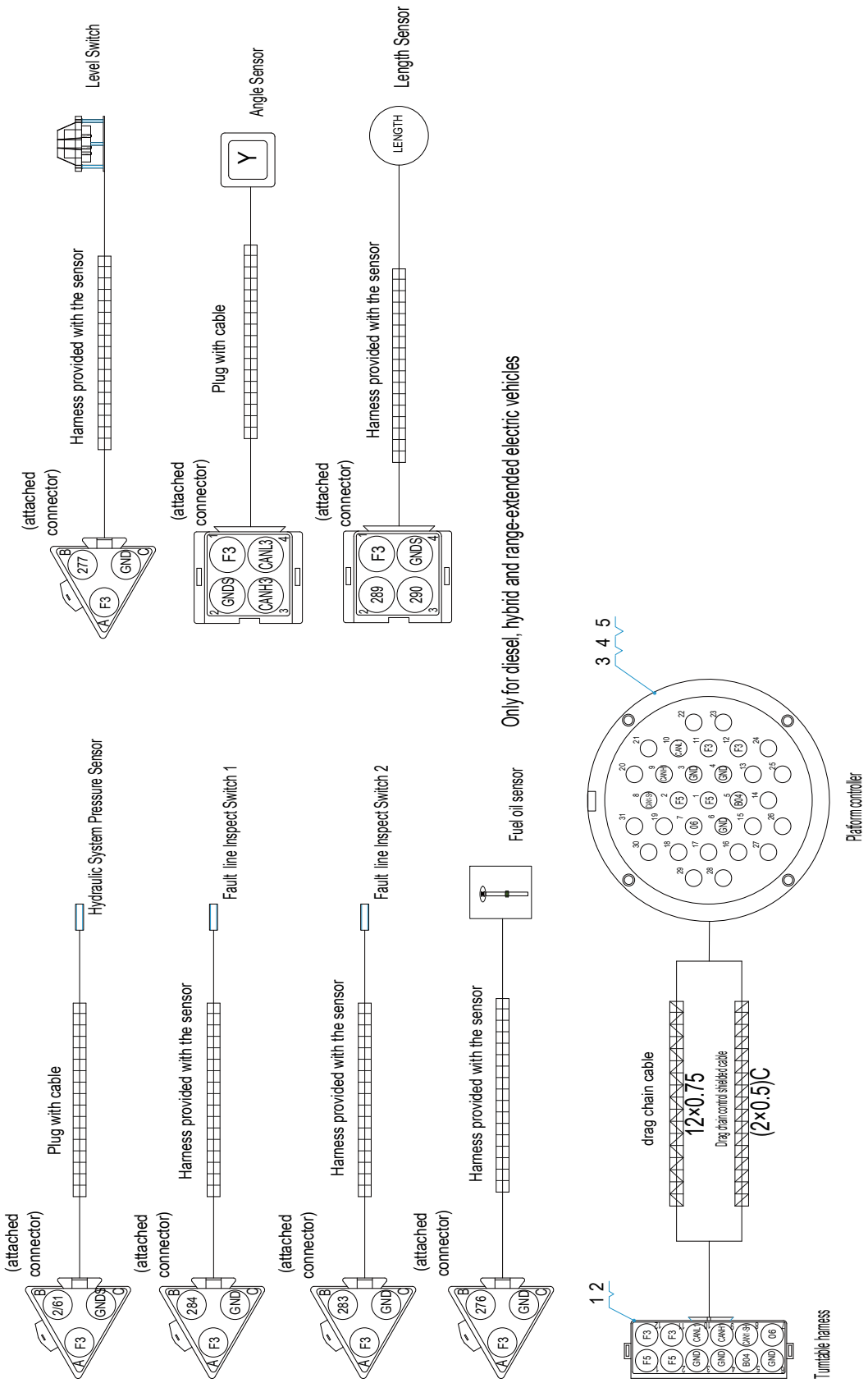
7.2.1.7 Turntable Harness (PN.105049063003)



No.	Part No.	Qty.	Description
	105049063003	1	Turntable harness
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	21	Male connector
4	203080000068	23	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	145	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000437	23	End attachments, 2-pin, female
12	203080000448	23	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	3	Sheath
17	203080000020	3	Lock
18	203080000445	3	End attachments, 4-pin, female
19	203080000446	3	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	2	Sheath
24	203080000159	2	Lock
25	203080000100	1	Connector
26	203080000112	1	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	1	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end
38	203080000037	2	Corrugated pipe

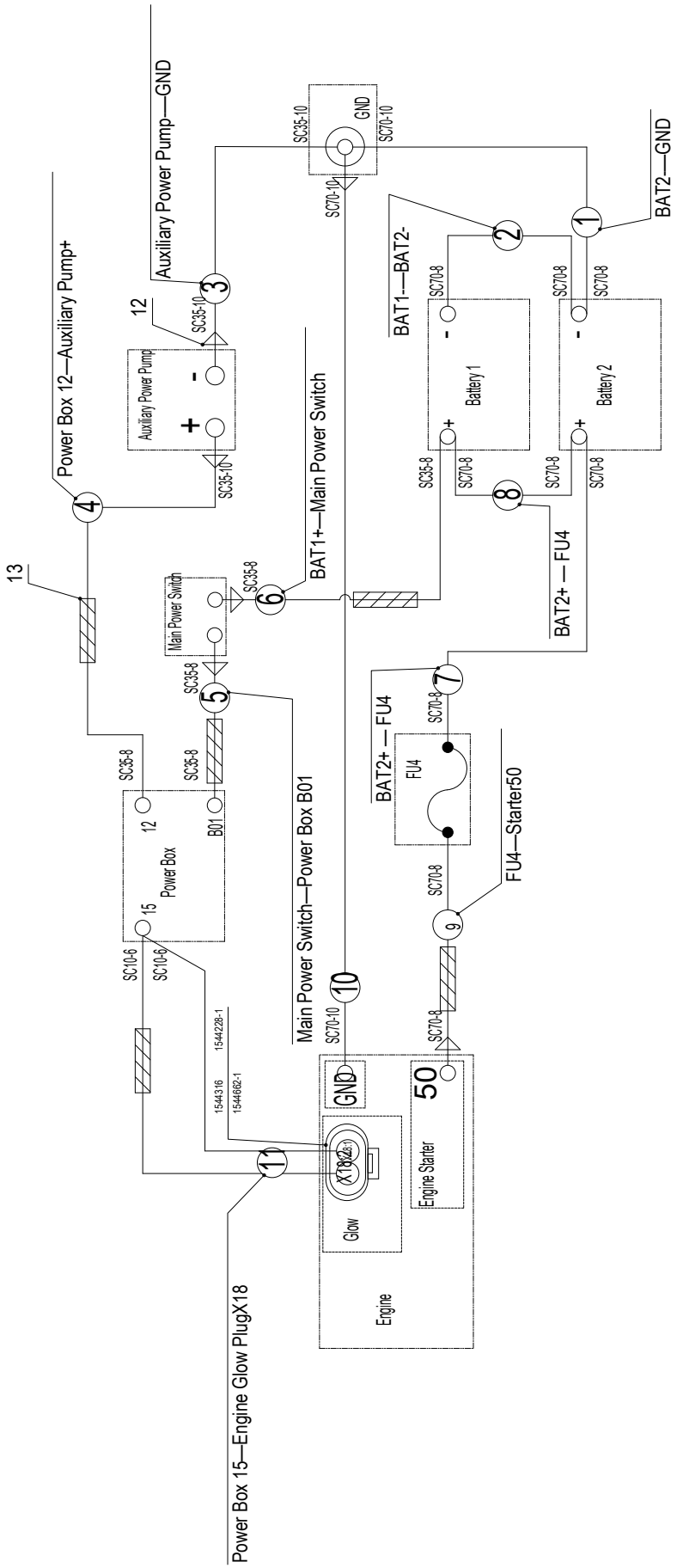
No.	Part No.	Qty.	Description
39	203080000474	2	Waterproof cover
40	203080000492	1	Waterproof cover
41	203080000405	1	Sheath
42	203080000046	1	Lock
43	203080000455	1	End attachments, 3-pin, male
44	203080000086	1	Connector
45	203080000443	1	End attachments, 4-pin, male

7.2.1.8 Turntable Sensor Harness (PN.114002063009)



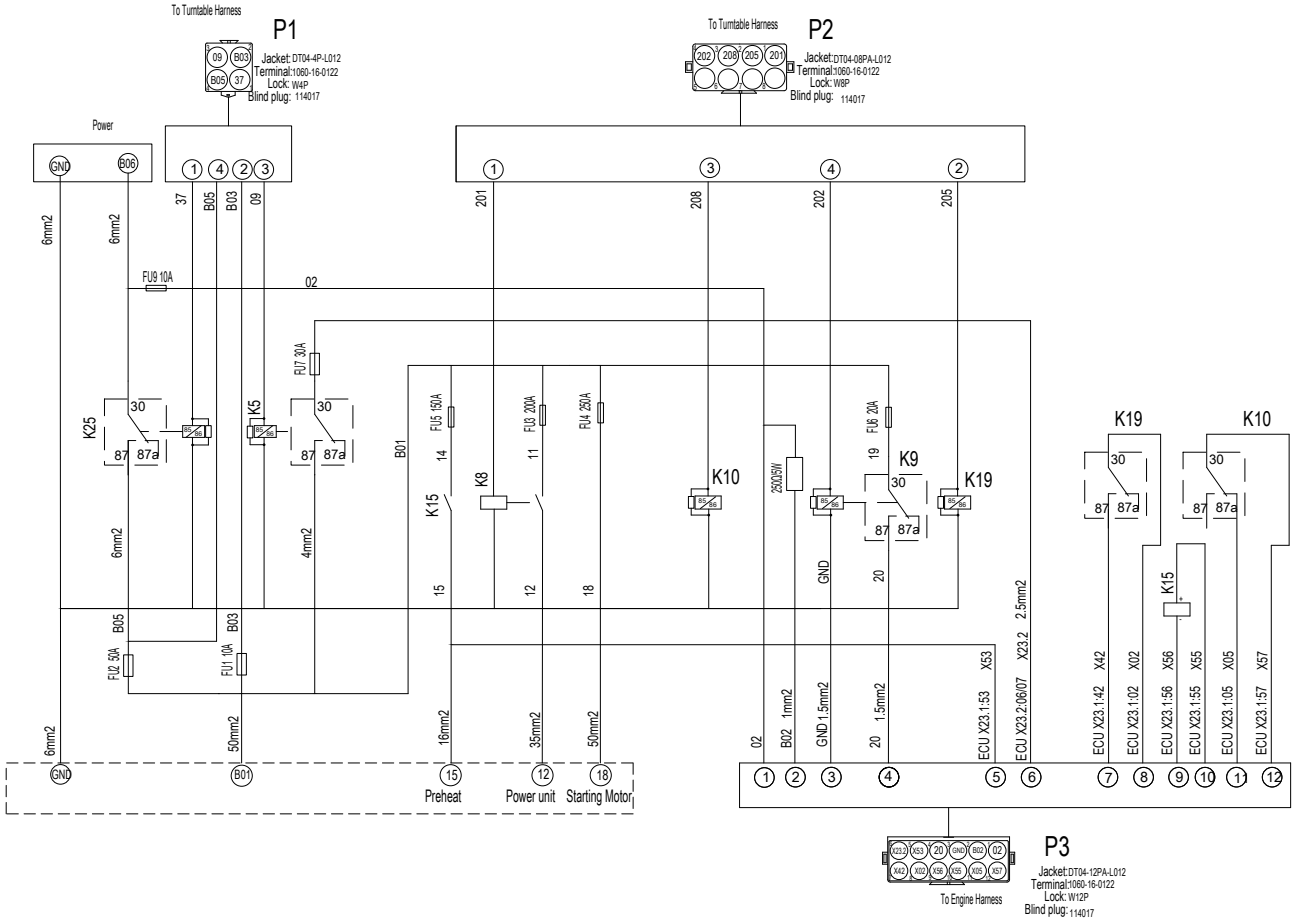
No.	Part No.	Qty.	Description
	114002063009	1	Turntable Sensors Harness
1	203080000403	1	Sheath
2	203080000157	1	Lock
3	203080000520	1	31-pin female terminal sheath
4	203060000096	1	180 deg. end clip
5	203080000068	19	Blind plug

7.2.1.9 Electrical Power Wiring Layout (PN.105064063087)



No.	Part No.	Qty.	Description
	105064063087	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000264	1	Power line
10	203230000501	1	Power line
11	203230000874	1	Power line
12	203080000004	6	PVC sheath
13	203080000422	8	Nylon hose, closed-end

7.2.1.10 Electrical Schematic of Power Switch Box (PN.105024063021)

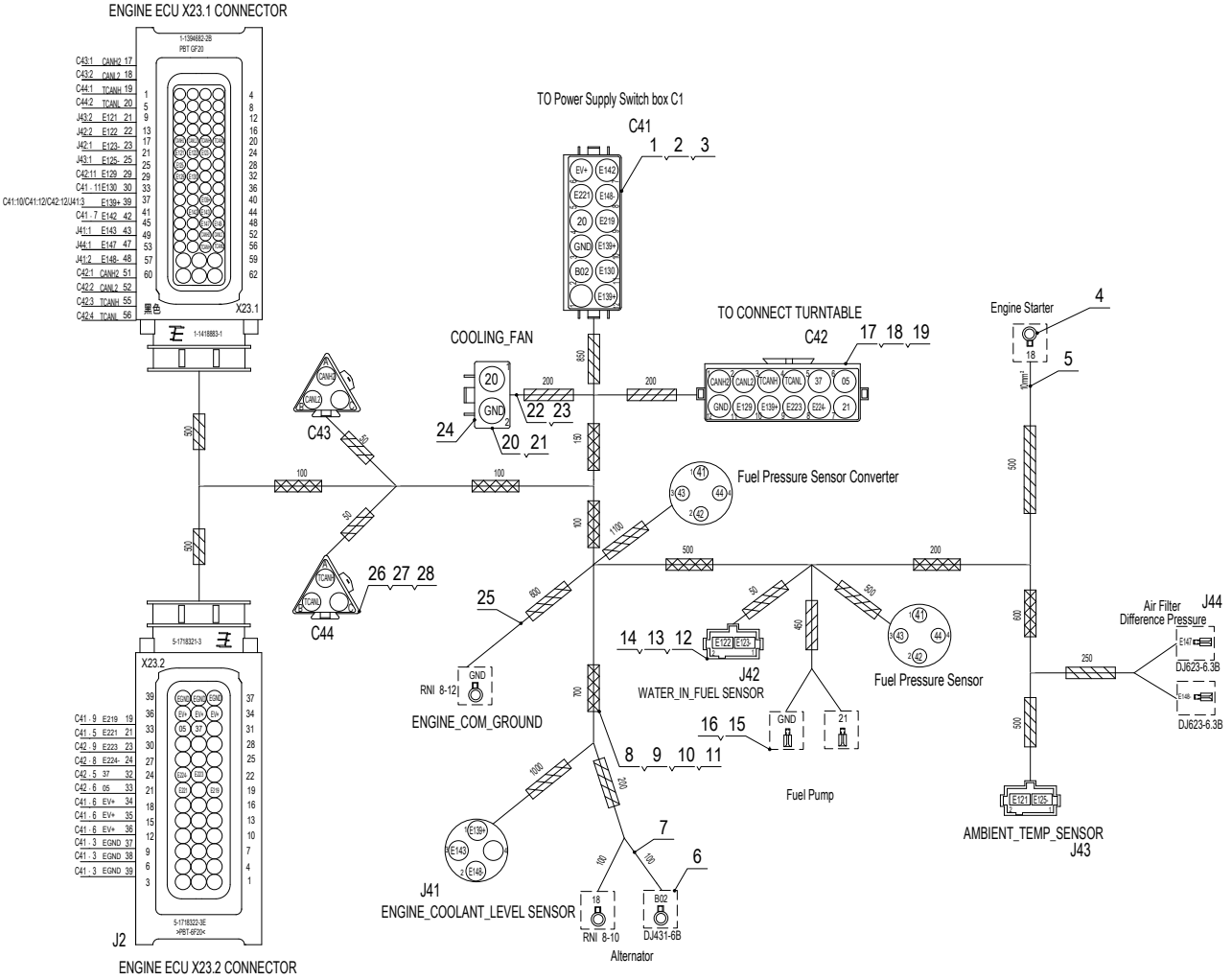


7.2.2 ENGINE ELECTRICAL SYSTEM

7.2.2.1 Engine Electrical Components Installation (Deutz D2.9 L4/Euro 5)

No.	Part No.	Qty.	Description
1	105025063022	1	Deutz Engine Harness (Not shown)

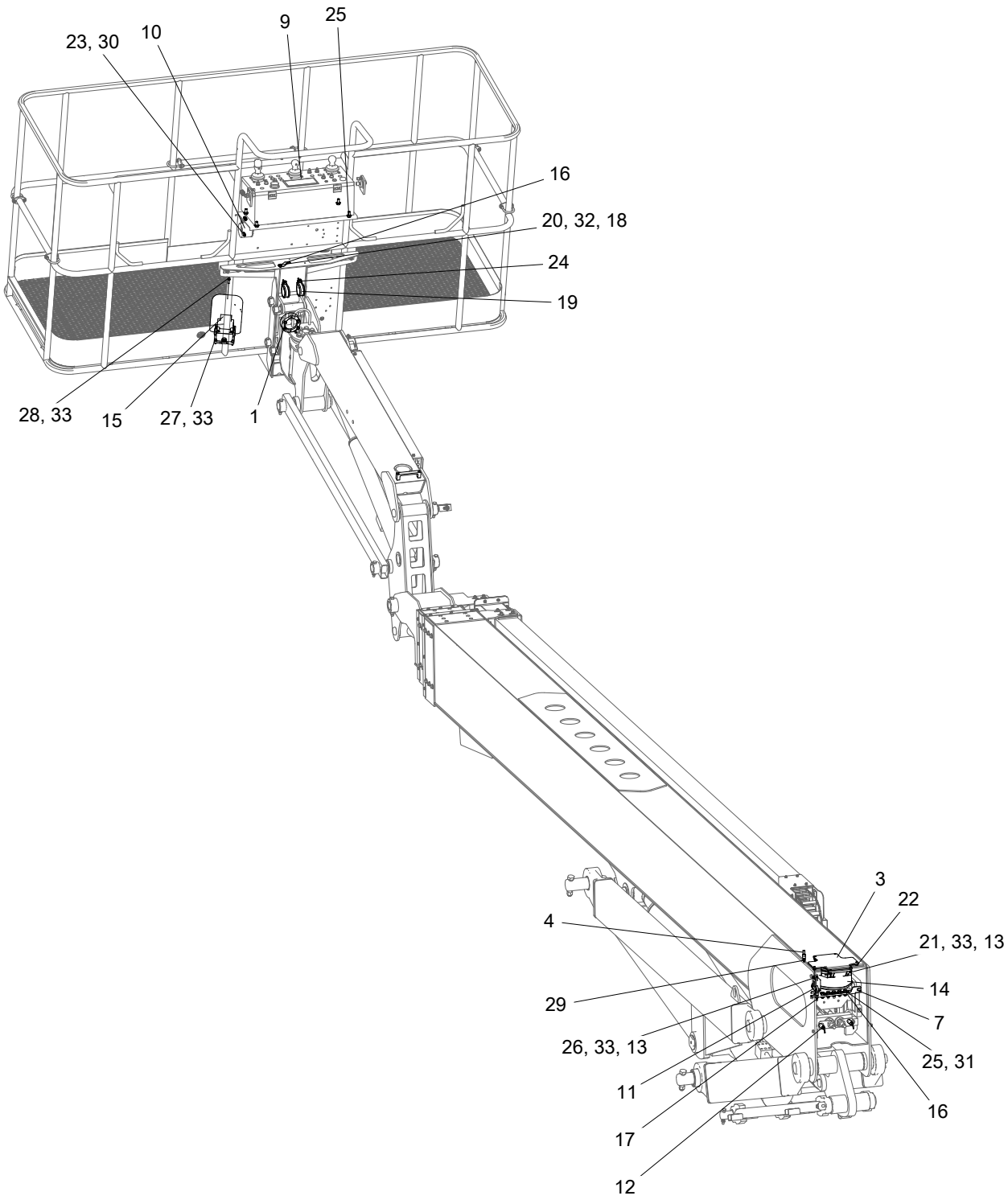
7.2.2.2 Engine Harness (PN.105025063022)



No.	Part No.	Qty.	Description
	105025063022	1	Deutz Engine Harness
1	203080000414	1	Sheath
2	203080000159	1	Lock
3	203080000041	13	Female connector
4	203080000244	2	Terminal,round top insulated
5	203080000367	2	Cable
6	203080000133	4	Terminal, blade-hole type
7	203080000030	1	Heat shrink tube
8	203080000375	30	Cable
9	203080000370	4	Cable
10	203080000369	6	Cable
11	203080000582	3	Wire
12	203080000427	1	Sheath
13	203080000428	2	Female pin
14	203080000429	1	Waterproof cap
15	203080000129	3	Jacket, flexible
16	203080000130	3	Terminal
17	203080000403	1	Sheath
18	203080000157	1	Lock
19	203080000033	16	Male connector
20	203080000410	1	Sheath
21	203080000016	1	Lock
22	203080000437	1	End attachments, 2-pin, female
23	203080000448	1	Rubber part
24	203080000474	1	Waterproof cover
25	203080000394	1	Wire
26	203080000405	2	Sheath
27	203080000046	2	Lock
28	203080000086	2	Connector

7.2.3 BOOM ELECTRICAL SYSTEM

7.2.3.1 Boom Electrical Components Installation

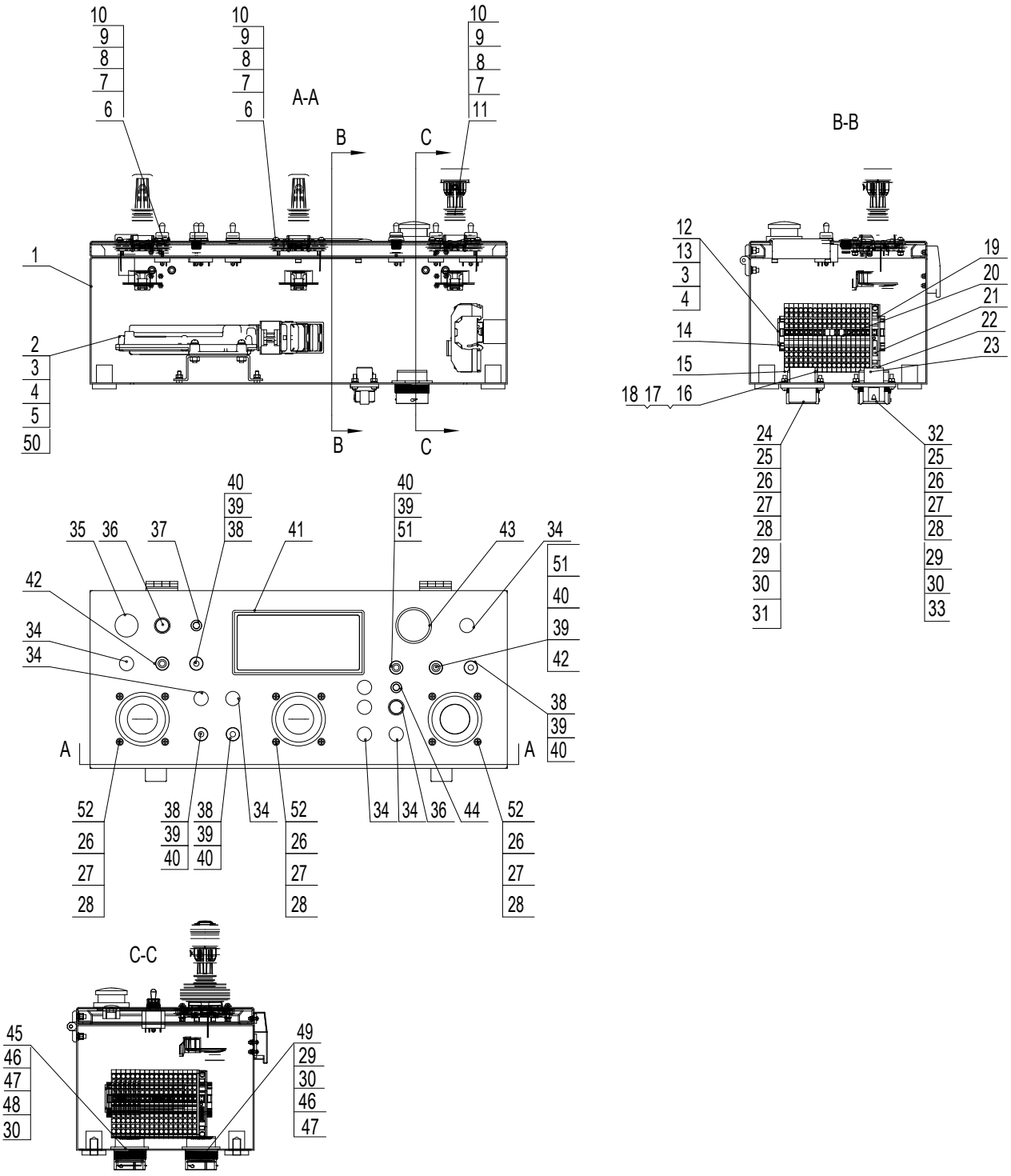


No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

7.2.3.2 Load sensor options

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

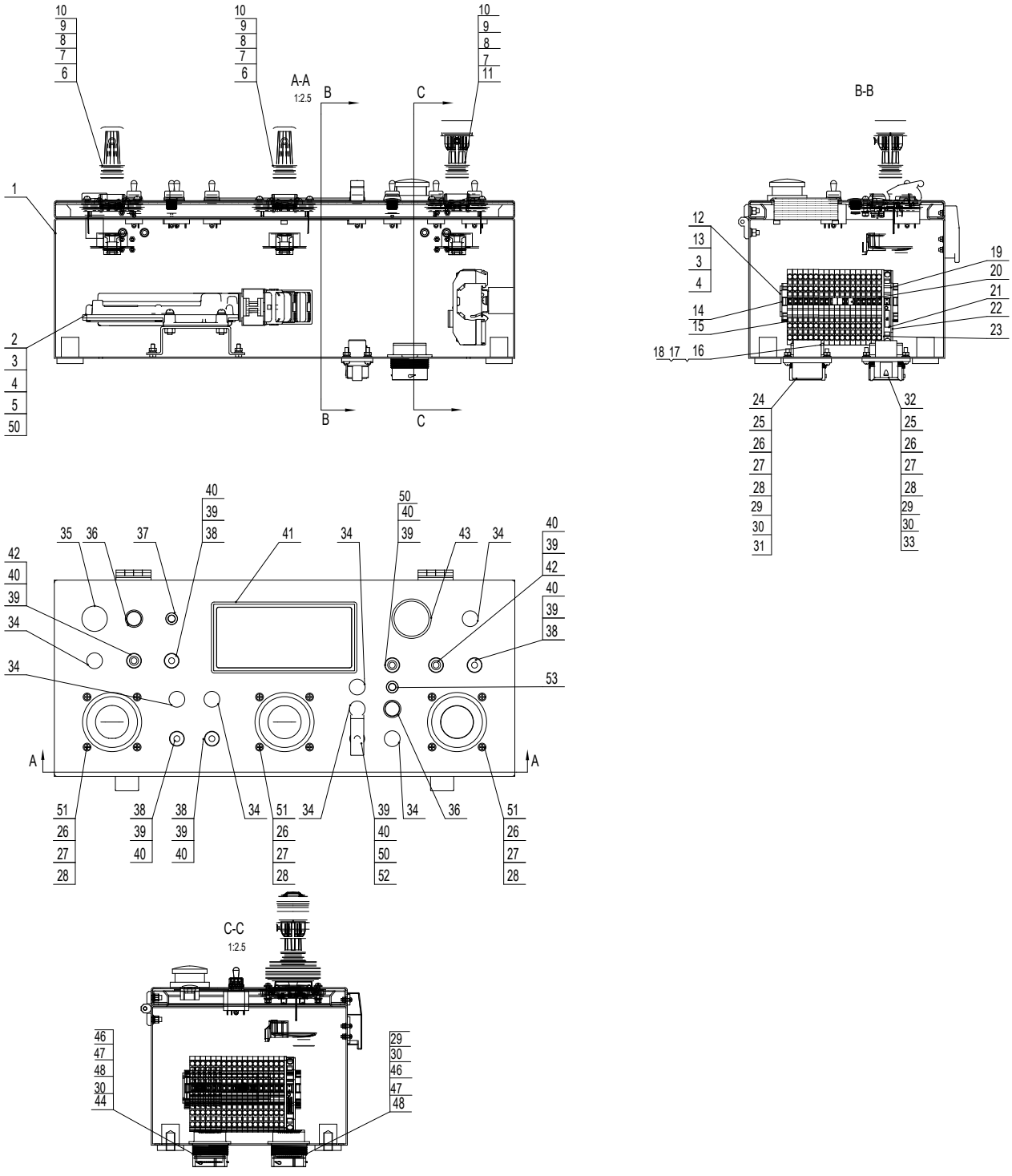
7.2.3.3 Platform Controller Assembly (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

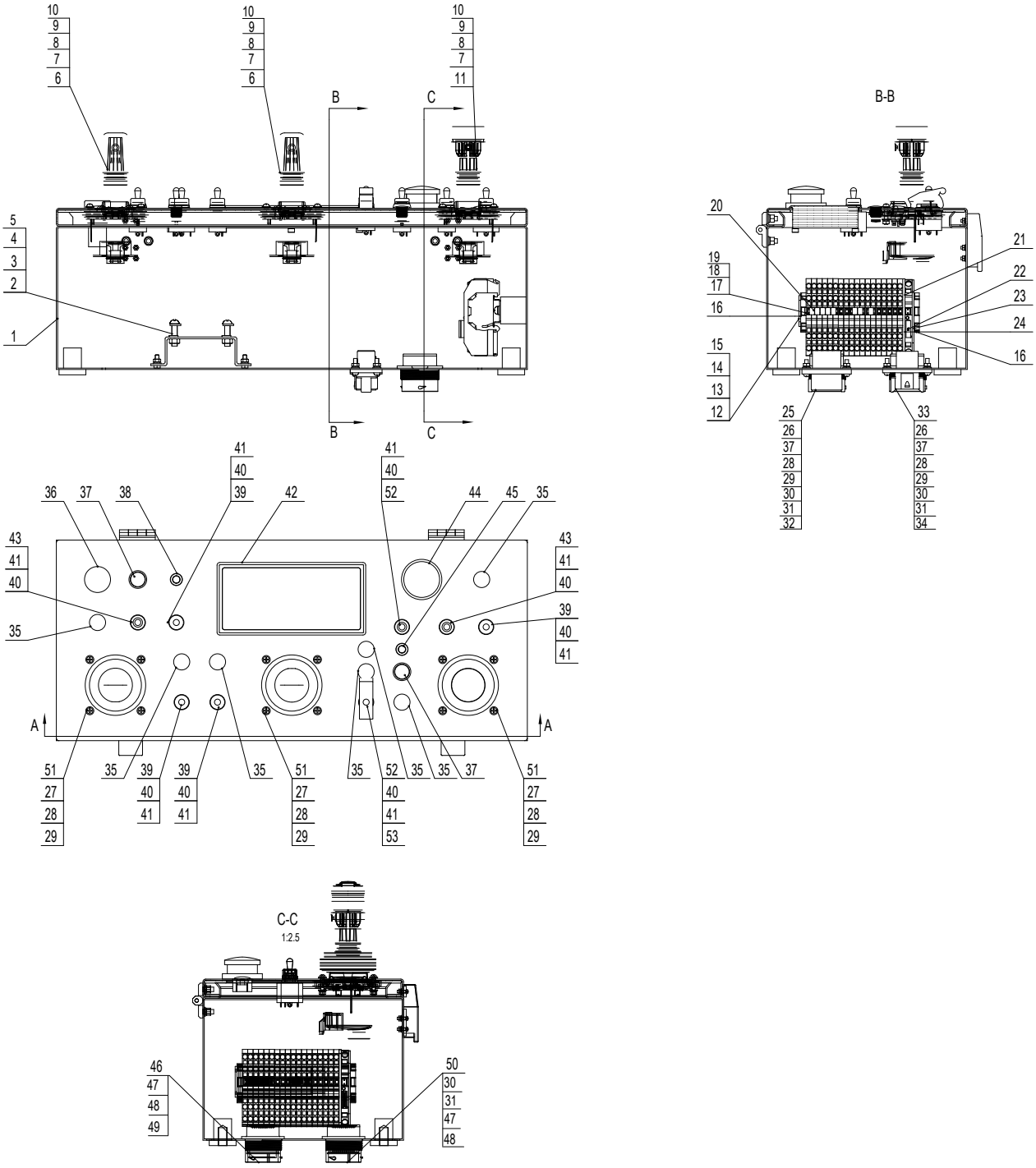
7.2.3.4 Platform Controller Assembly (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

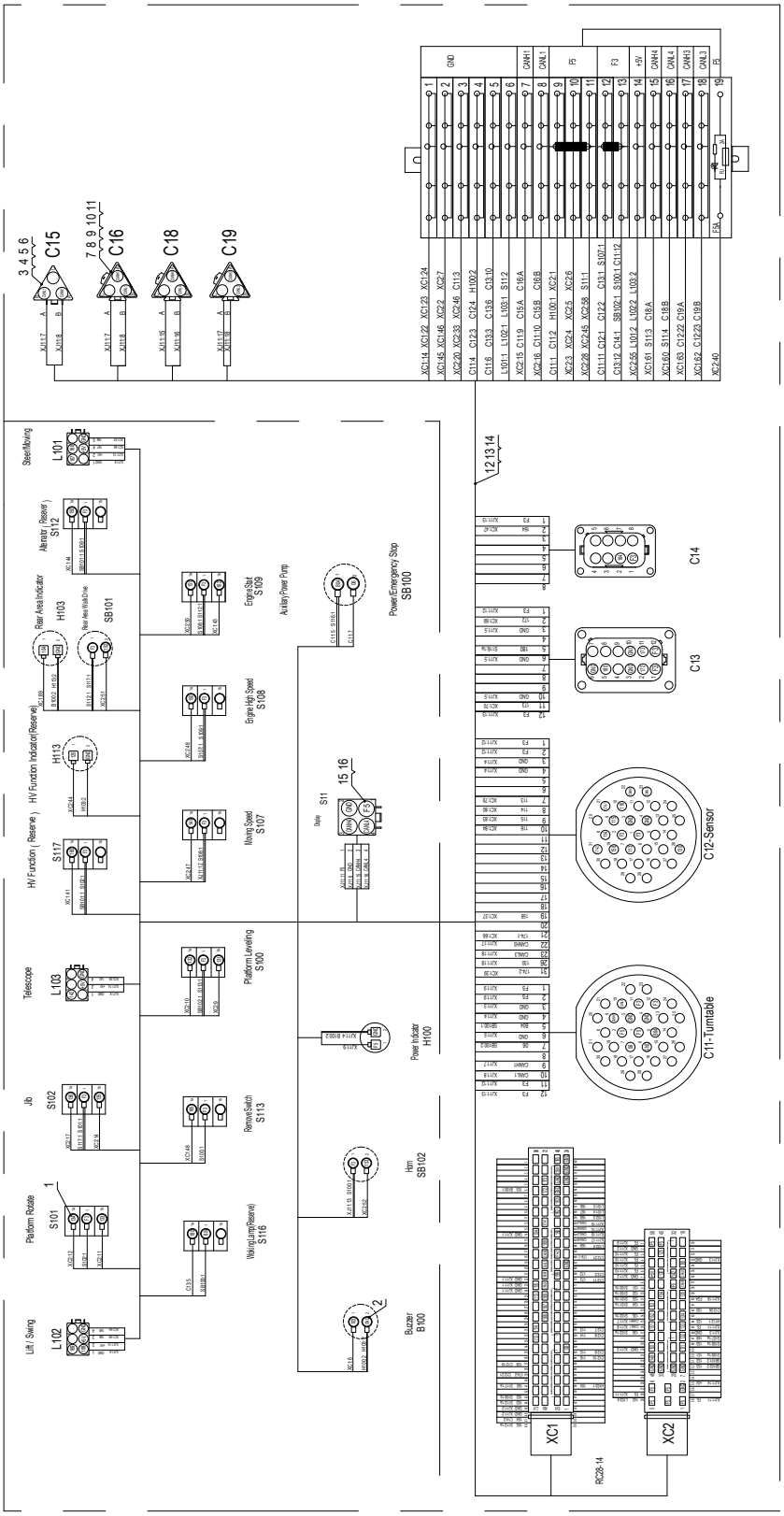
7.2.3.5 Platform Controller Assembly (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

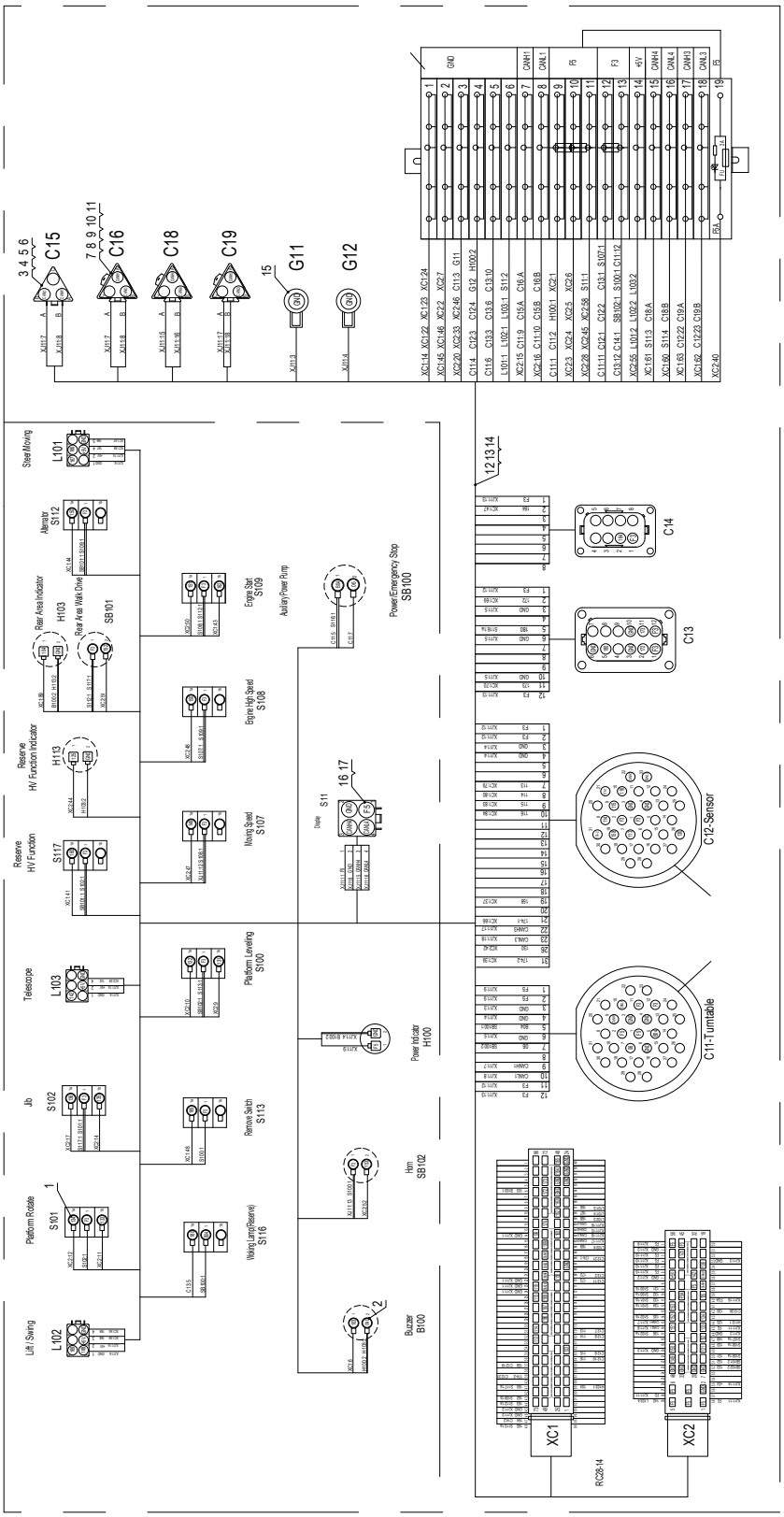
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.2.3.6 Platform Controller Wiring Diagram (PN.105050063026)



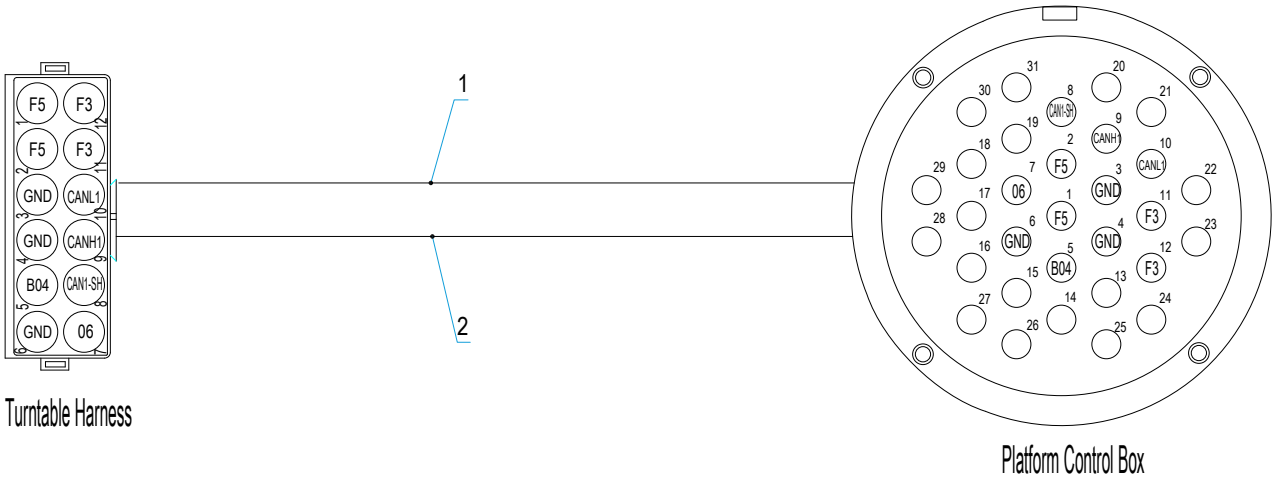
No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.2.3.7 Platform Controller Wiring Diagram (PN.105050063067)



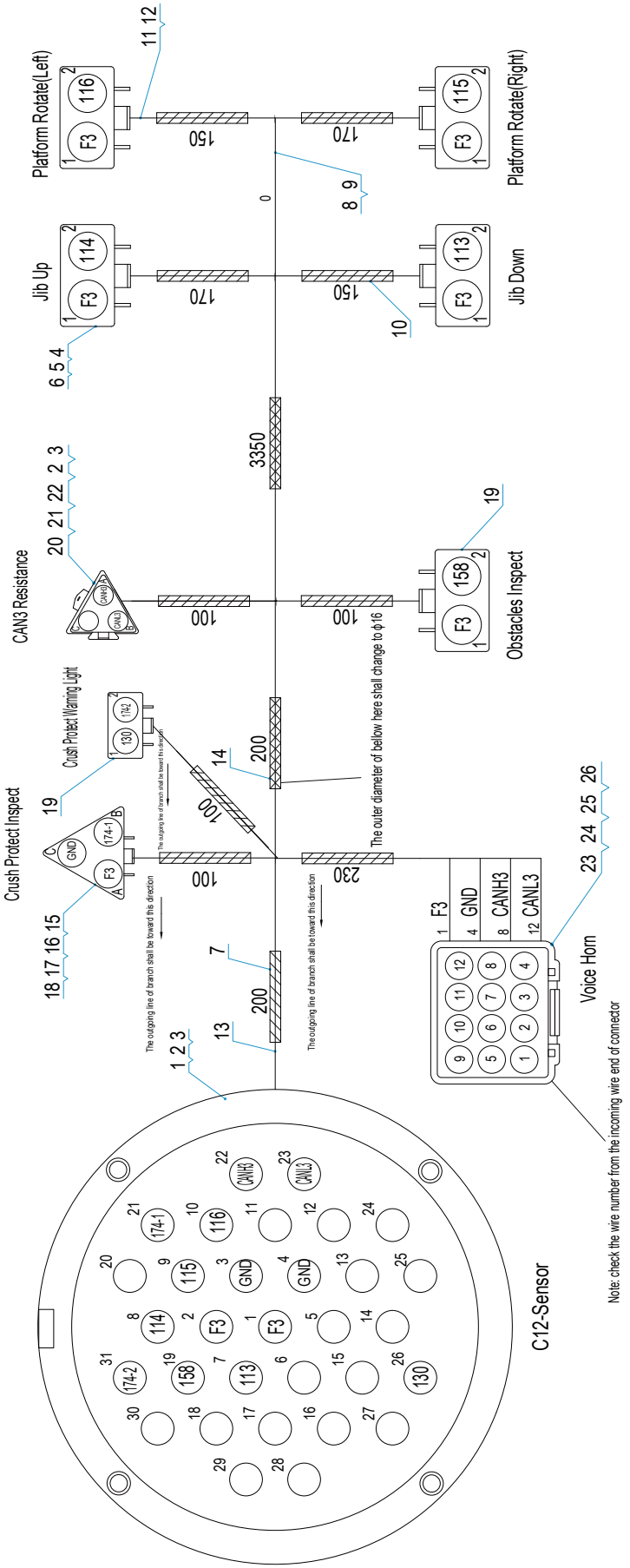
No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

7.2.3.8 Cable Track Diagram (PN.114002063018)



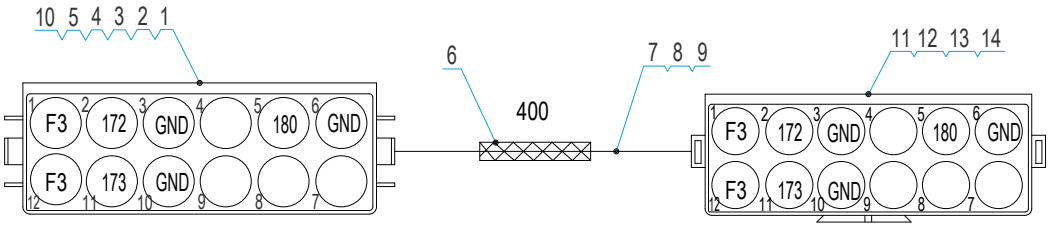
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.2.3.9 Wiring harness, platform(PN.105050063001)



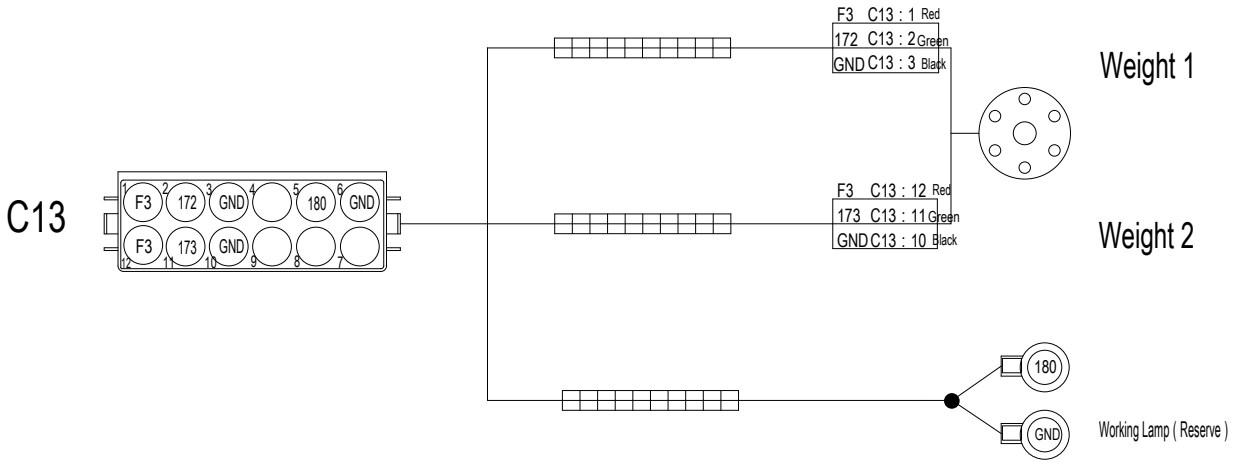
No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

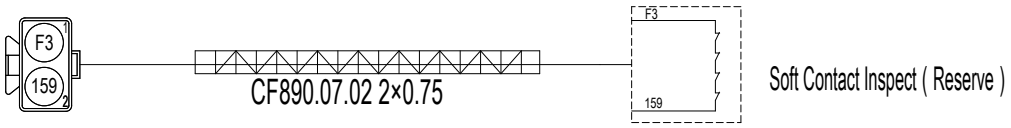
7.2.3.10 Platform Harness (PN.103006063009)

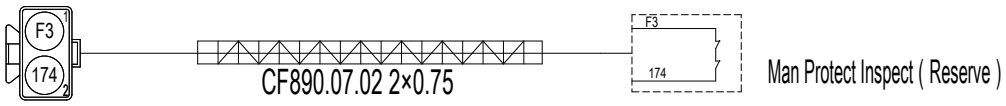


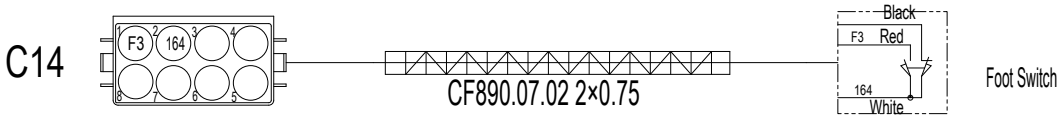
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

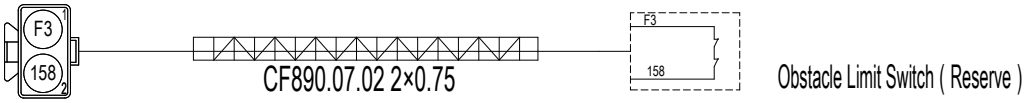
7.2.3.11 Platform Sensor Harness (PN.105031060013)







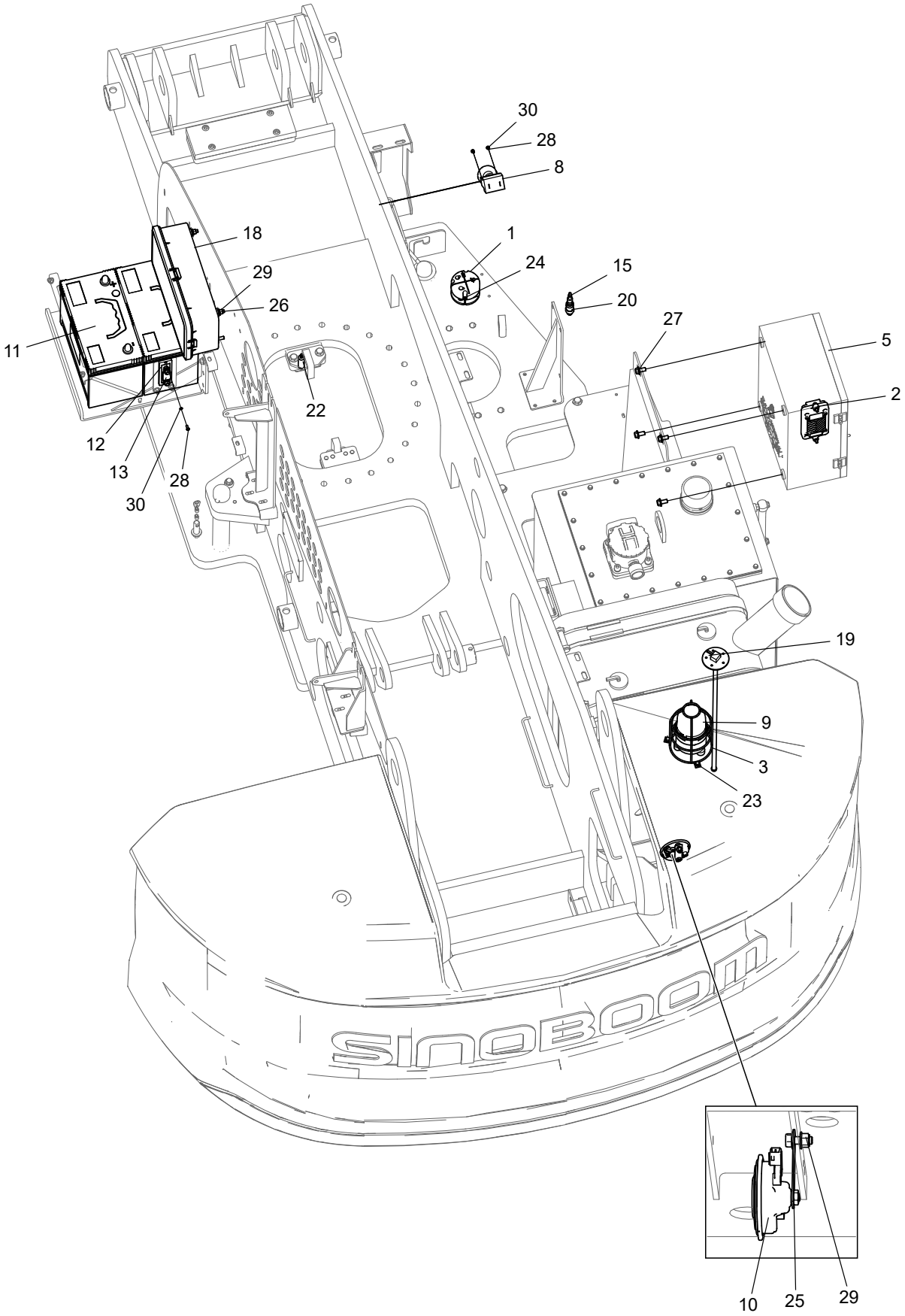




7.3 ELECTRICAL SYSTEM (DEUTZ D2.9 L4 EPA TIER 4)

7.3.1 TURNTABLE ELECTRICAL SYSTEM

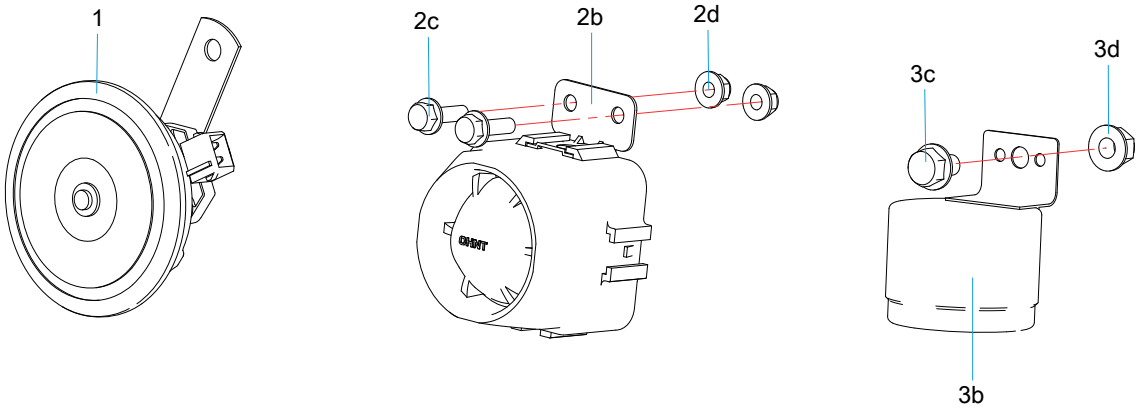
7.3.1.1 Turntable Electrical Components Installation



No.	Part No.	Qty.	Description
1	103008063058		Options, Level sensor installation
2	103006063020		Options, GPS installation
3	105021060024	1	Guard, light (warning)
4	105031060019	1	Turntable Sensors Harness(Not shown)
5	105064063126		Turntable controller assembly option
6	105064063054	1	Turntable Harness(Not shown)
7	105064063087	1	Electrical power wiring layout(Not shown)
8	114004063040		Power switch option
8-1	203060000024	1	Power switch(SC:1000110)
8-2	203060003167	1	Power switch(SC:1000200)
9	114012063080		Caution light option
10	114012063086		Horn option
11	114015063057	2	Maintenance-free battery options
11-1	203100000061	1	Maintenance-free battery(110Ah)
11-2	203100003158	1	Maintenance-free battery(100Ah)
11-3	203100003293	1	Battery, maintenance-free(Tuborg)(125Ah)
12	203070000056	1	Fuse holder
13	114015063055		Fuse option
13-1	203070003009	1	Fuse(CE certification)
13-2	203070003045	1	Fuse(UL certification)
14	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
15	203080003094	1	Plug with cable
16	203100000051	2	Sheath, flexible (L, black)(Not shown)
17	203100000053	2	Sheath, flexible (L, red)(Not shown)
18	203100003012	1	Power switch box
19	105050064000		Single-tube level sensor option
19-1	203150000006	1	Single-tube level sensor(SC:1000041)
19-2	203150003112	1	Single-tube level sensor(SC:3000045)
20	114007063026		Pressure sensor option
21	203150000072	1	Temperature sensor
22	203150003010	1	Proximity switch
23	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
24	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
25	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
26	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
27	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
28	215020000110	4	Screw M5×12-A2-70 GB/T 818

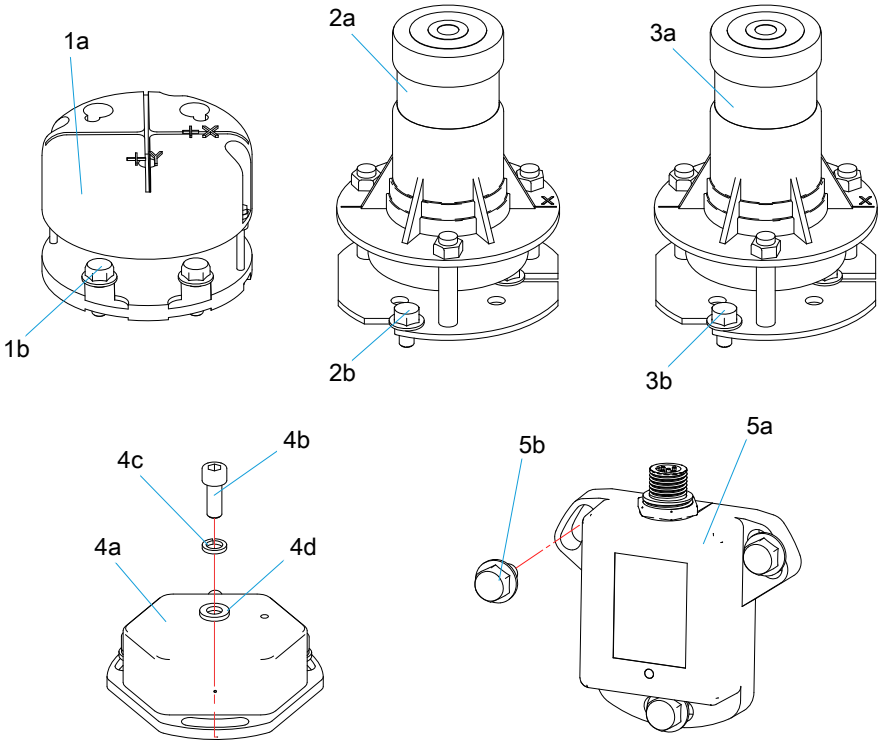
No.	Part No.	Qty.	Description
29	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
30	215040000003	4	Washer 5-A2-70 GB/T 93
31	105024063021	1	Power switch box schematic(Not shown)

7.3.1.2 Horn option



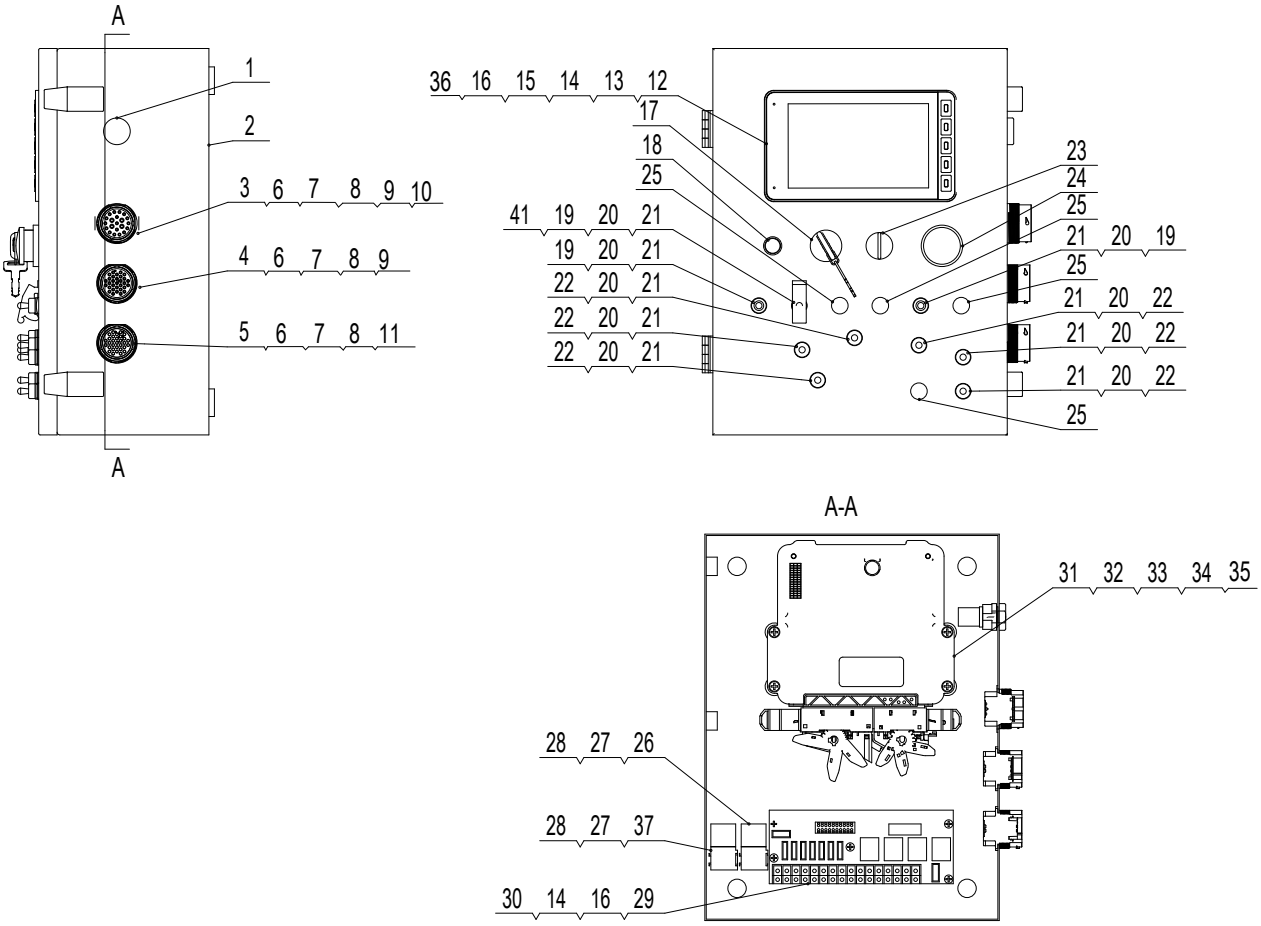
No.	Part No.	Qty.	Description
1	203050000034	1	Horn(Standard configuration)
2	114006063072		White noise horn installation(Australian specs)
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
3	103009063115		INST, buzzer(Thailand specs)
3a	104019063067	1	Cable, adapter (warning light)(Not shown)
3b	203050000002	1	Reverse buzzer
3c	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
3d	215030000108	1	Nut M8-8-ZnD GB/T 6183.1

7.3.1.3 Level Sensor Options



No.	Part No.	Qty.	Description
1	114015063090		INST, switch (level)
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		INST, switch (level)
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		INST, switch (level)
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		INST, sensor (level)
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1
5	114015063104	1	INST, sensor (level)
5a	203150003084	1	Angle sensor
5b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

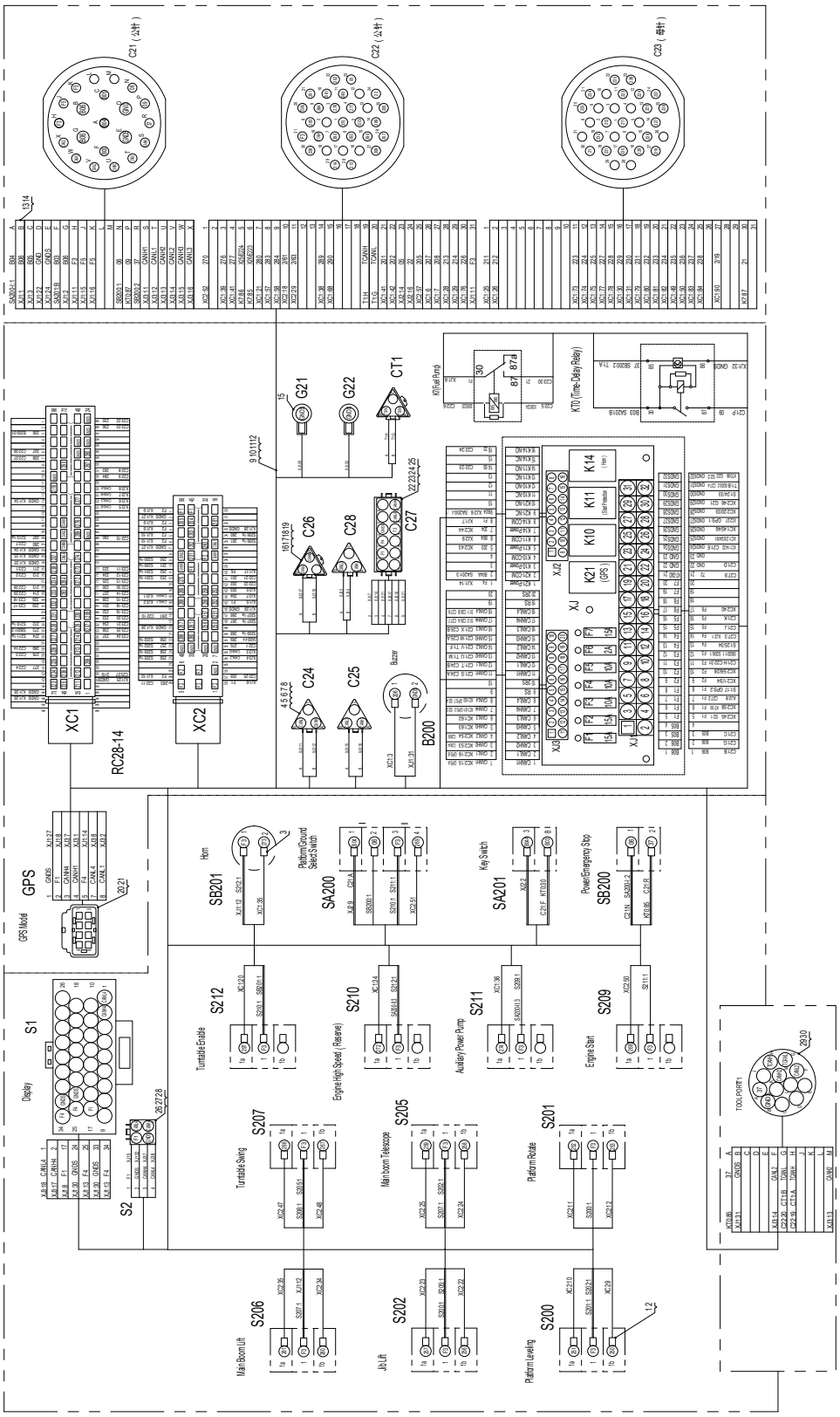
7.3.1.4 Turntable Controller Assembly (PN.105031060021)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	20	Blind plug
9	203080000033	40	Male connector
10	203060000103	4	#12 male connector
11	203080000041	19	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215020000109	4	Screw M5×10-A2-70 GB/T 818
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000101	9	Waterproof cap
21	203080000109	9	Nut
22	203060000003	6	Toggle switch
23	203060000029	1	Selector switch
24	203060000142	1	Switch, emergency stop
25	105045060004	4	Controller plug
26	203040003005	1	Relay, time-delay
27	215040000002	2	Washer 4-A2-70 GB/T 93
28	215020000104	2	Screw M4×10-A2-70 GB/T 818
29	203030000015	1	Relay integration board
30	215020000110	5	Screw M5×12-A2-70 GB/T 818
31	203020000038	1	Controller
32	215040000033	4	Washer 6-A2 GB/T 97.1
33	215040000004	4	Washer 6-A2-70 GB/T 93
34	215020000118	4	Screw M6×25-A2-70 GB/T 818
35	203080000378	1	Connector, controller
36	203080003147	1	Connector assembly, SECD-7I0A
37	203040000003	1	Relay
38	105070063003	1	Surface film, control box (turntable)(Not shown)

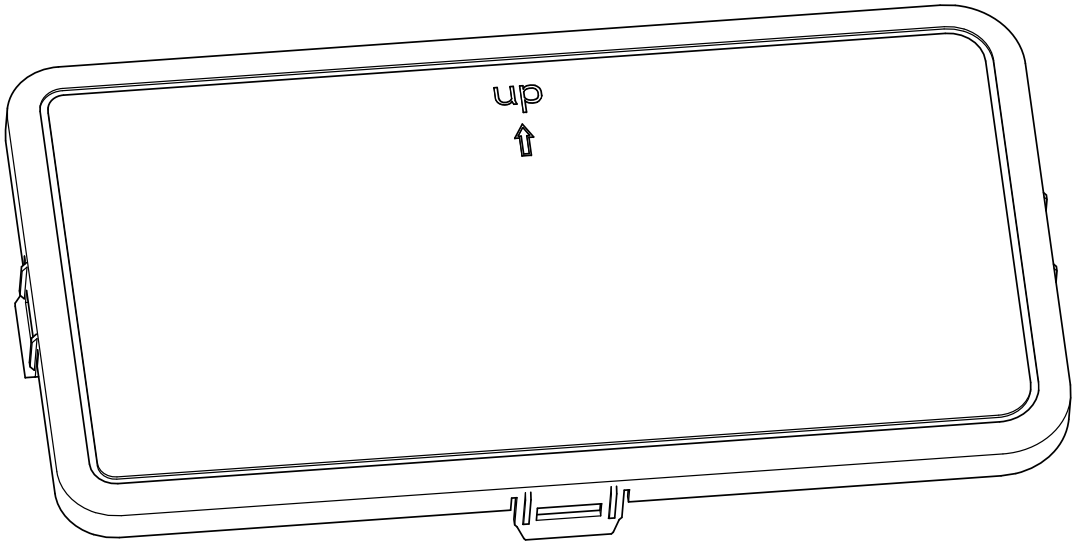
No.	Part No.	Qty.	Description
39	105031060017	1	Ground control box wiring diagram(Not shown)
40	105025063005	1	PC film, control box (turntable)(Not shown)
41	203060000150	1	Toggle switch guard

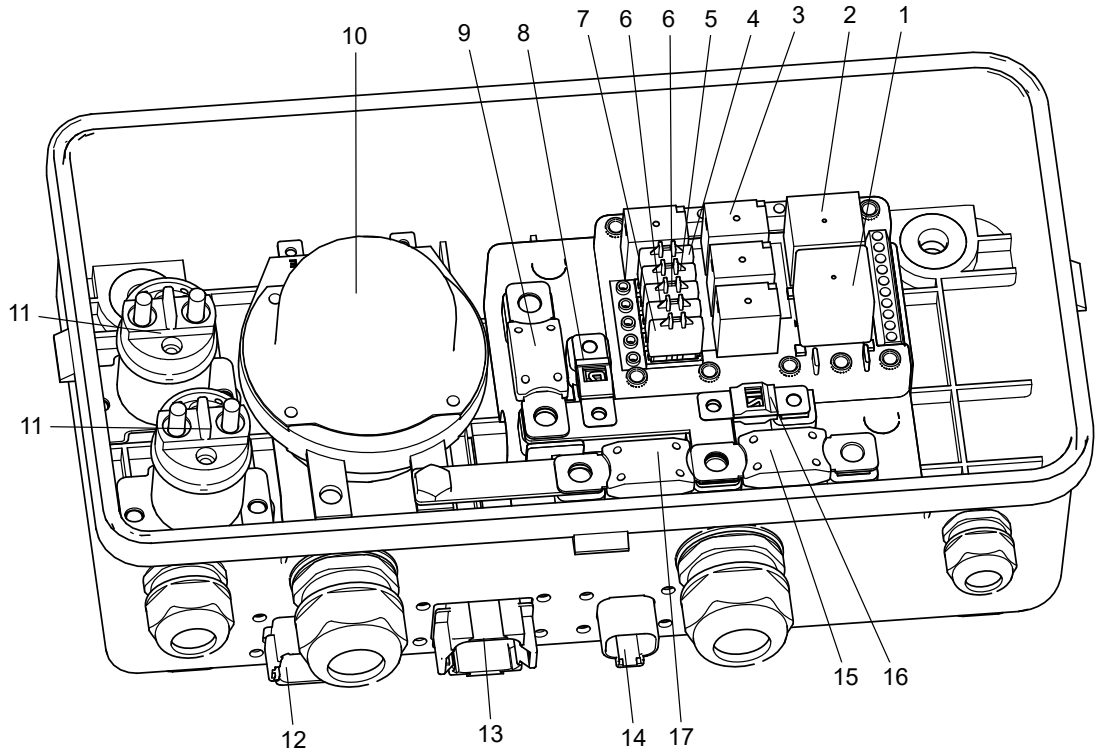
7.3.1.5 Turntable Controller Wiring Diagram (PN.105031060017)



No.	Part No.	Qty.	Description
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000404	3	Sheath
5	203080000032	3	Lock
6	203080000041	14	Female connector
7	203080000068	5	Blind plug
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000133	3	Terminal, blade-hole type
16	203080000405	2	Sheath
17	203080000046	2	Lock
18	203080000033	4	Male connector
19	203080000086	2	Connector
20	203080003216	1	Sheath
21	203080003218	7	AMP terminal
22	203080003532	1	Sheath
23	203080003533	1	Lock
24	203060000085	8	#20 female terminal
25	203080000085	4	Blind plug
26	203080000044	1	Sheath
27	203080000020	1	Lock
28	203080000492	1	Waterproof cover
29	203080003112	1	Sheath
30	203080000146	6	Pin, female
	105031060017	1	Ground control box wiring diagram

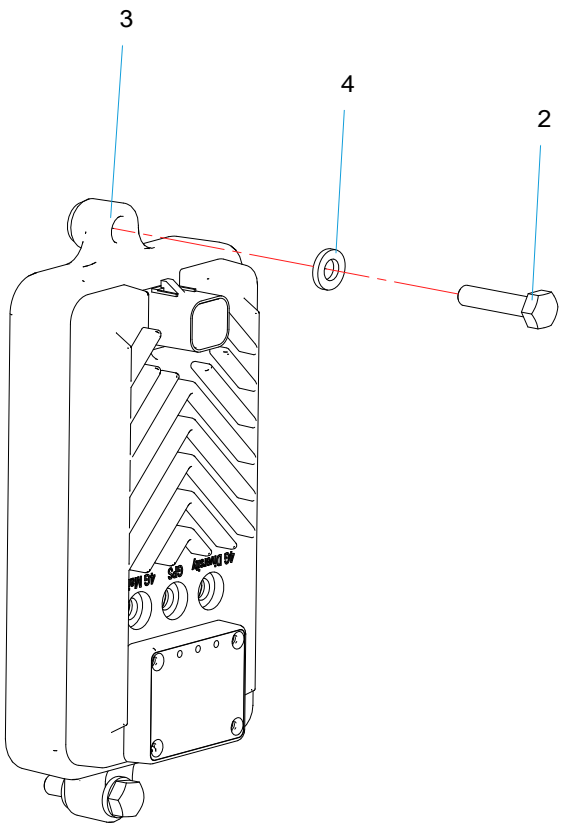
7.3.1.6 Power Switch Box (PN.203100003012)





No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.3.1.7 GPS Installation

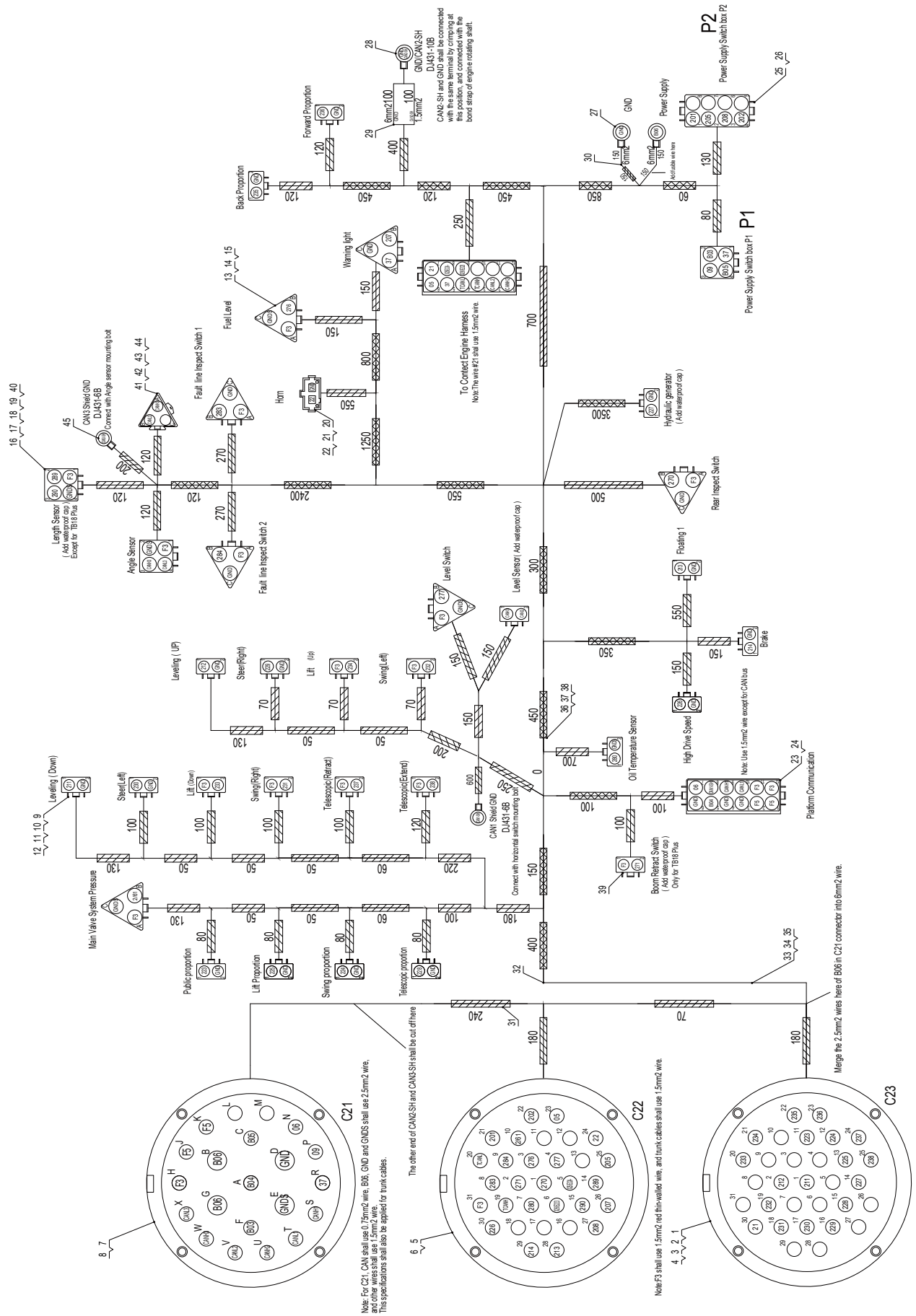


No.	Part No.	Qty.	Description
1	203150003022	1	GPS/LTE antenna(Not Shown)
2	215010003054	2	Nylon Bolt M6×25-4.8-PA66
3	203150003021	1	GPS module
4	215040003034	4	Nylon Washer 6-PA66

7.3.1.8 GPS Installation (Hornet Rentals)

No.	Part No.	Qty.	Description
1	105055063003	1	Cable, adapter (Huatie)
2	203990003077	1	Hornet T-BOX

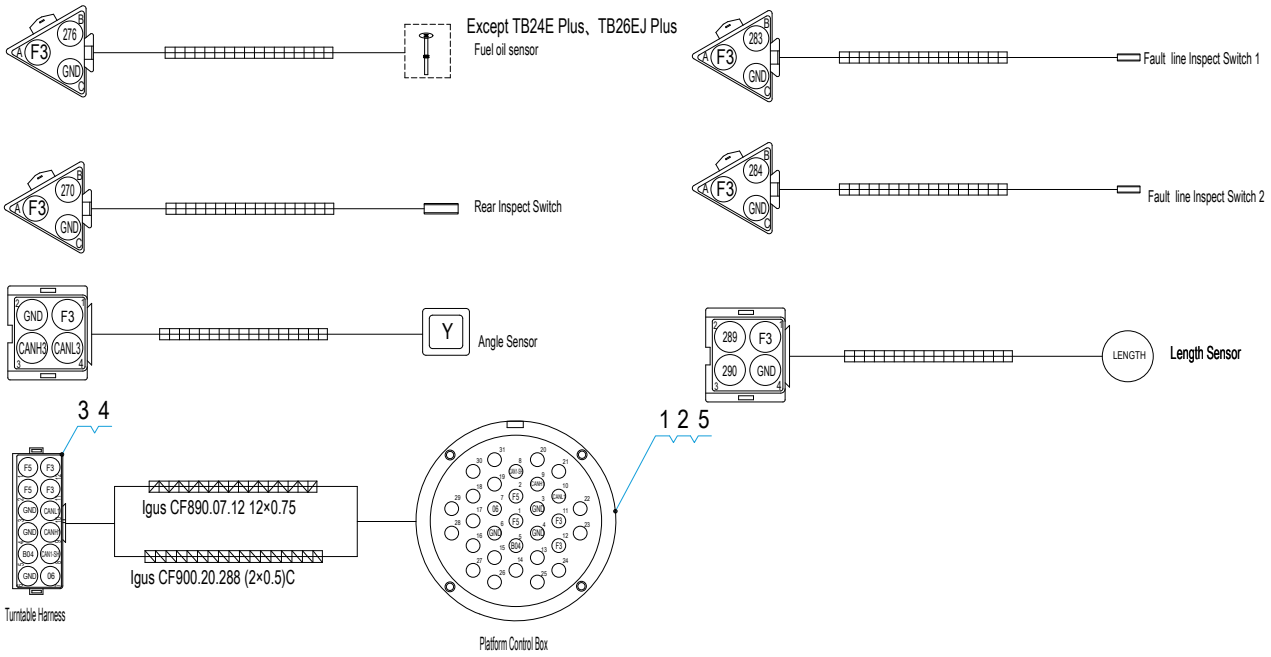
7.3.1.9 Turntable Harness (PN.105064063054)



No.	Part No.	Qty.	Description
	105064063054	1	Turntable Harness
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	21	Male connector
4	203080000068	23	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	147	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000437	23	End attachments, 2-pin, female
12	203080000448	23	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	3	Sheath
17	203080000020	3	Lock
18	203080000445	3	End attachments, 4-pin, female
19	203080000446	3	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	2	Sheath
24	203080000159	2	Lock
25	203080000100	1	Connector
26	203080000112	1	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	1	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end
38	203080000037	2	Corrugated pipe

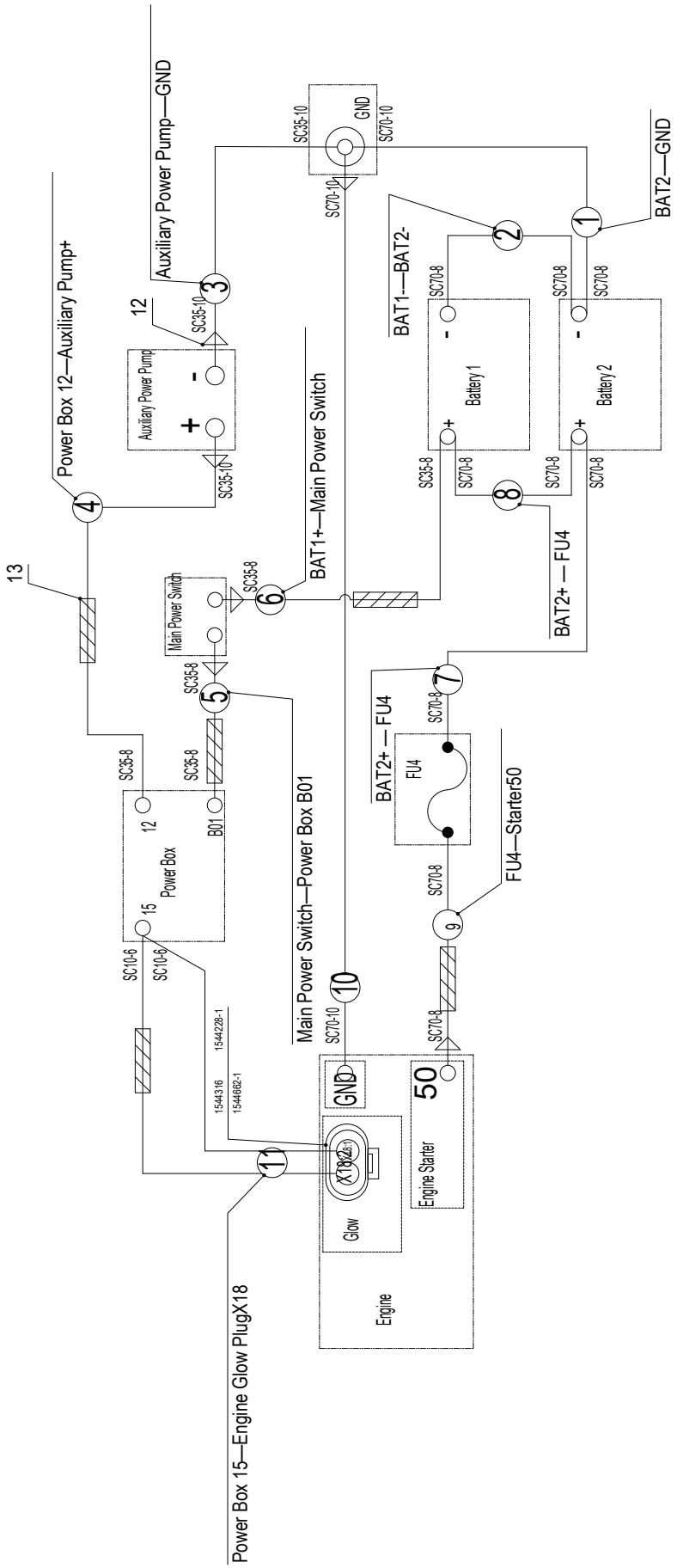
No.	Part No.	Qty.	Description
39	203080000474	2	Waterproof cover
40	203080000492	1	Waterproof cover
41	203080000405	1	Sheath
42	203080000046	1	Lock
43	203080000455	1	End attachments, 3-pin, male
44	203080000086	1	Connector
45	203080000133	2	Terminal, blade-hole type

7.3.1.10 Turntable Sensor Harness (PN.105031060019)



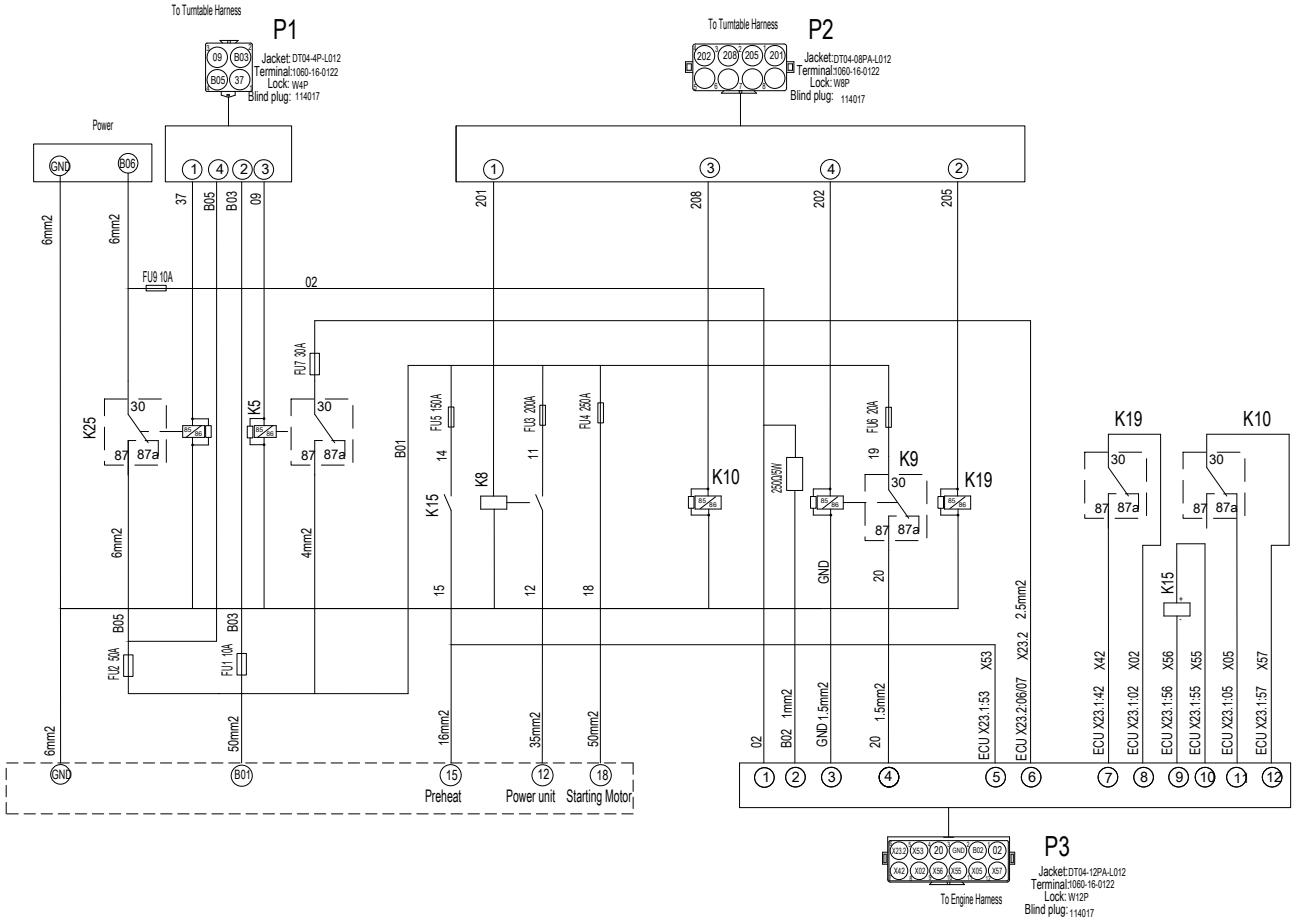
No.	Part No.	Qty.	Description
	105031060019	1	Turntable Sensors Harness
1	203080000520	1	31-pin female terminal sheath
2	203060000096	1	180 deg. end clip
3	203080000403	1	Sheath
4	203080000157	1	Lock
5	203080000068	19	Blind plug

7.3.1.11 Electrical Power Wiring Layout (PN.105064063087)



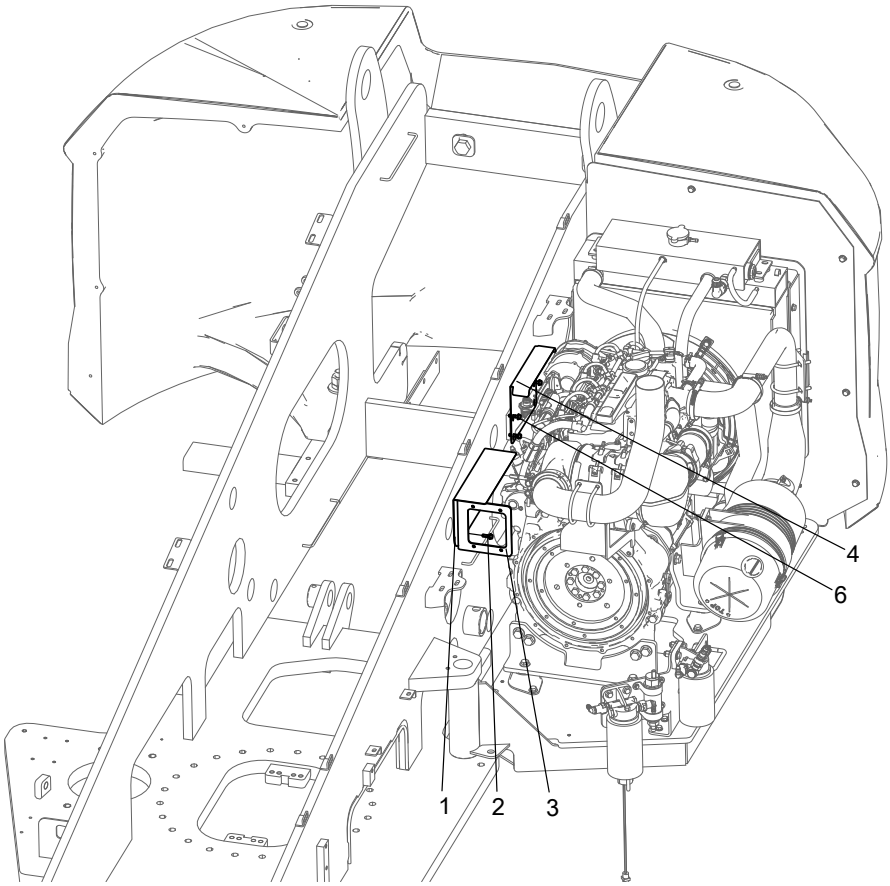
No.	Part No.	Qty.	Description
	105064063087	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000264	1	Power line
10	203230000501	1	Power line
11	203230000874	1	Power line
12	203080000004	6	PVC sheath
13	203080000422	8	Nylon hose, closed-end

7.3.1.12 Electrical Schematic of Power Switch Box (PN.105024063021)



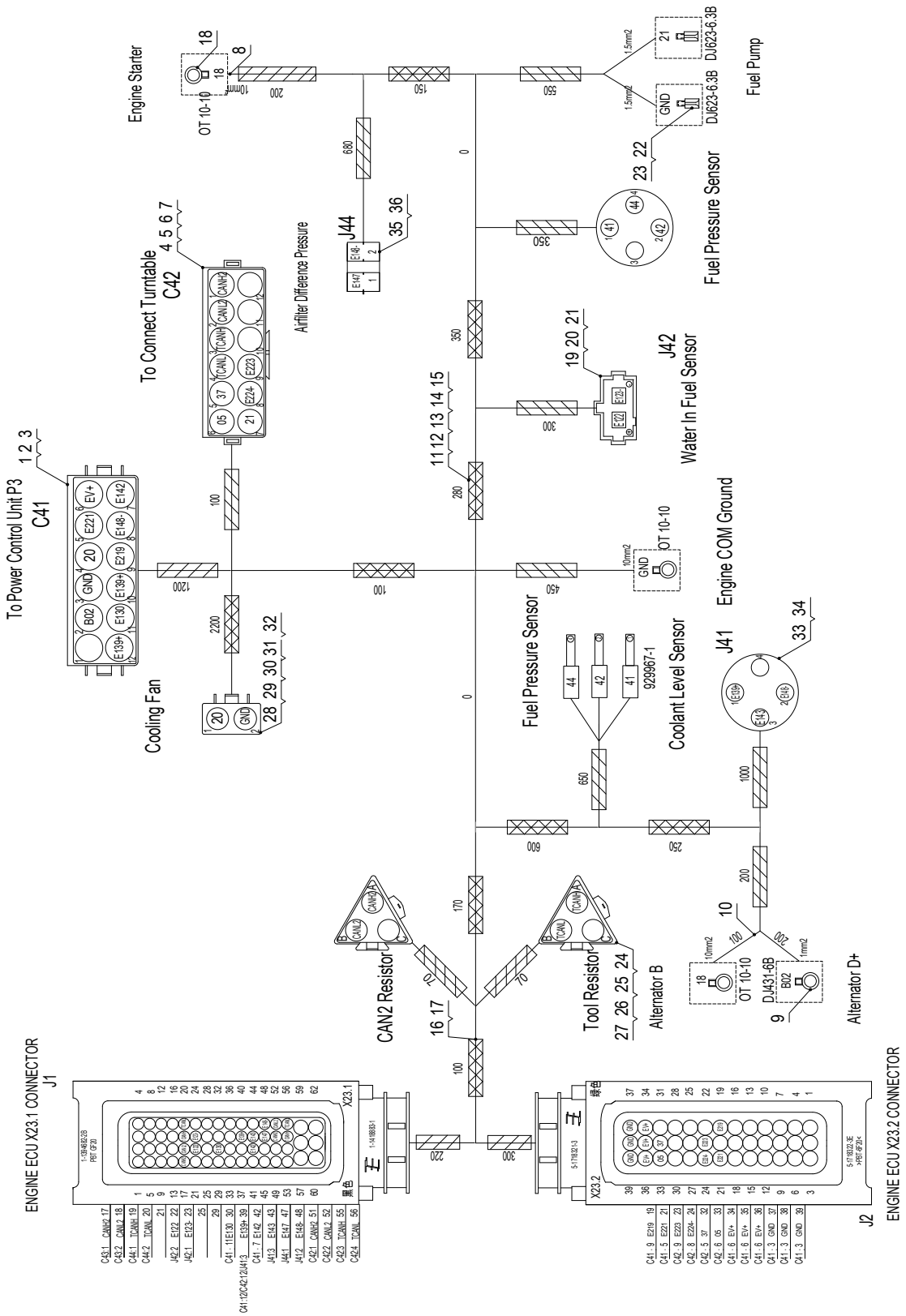
7.3.2 ENGINE ELECTRICAL SYSTEM

7.3.2.1 Engine Electrical Components Installation



No.	Part No.	Qty.	Description
1	105054023053	1	Cover, rain
2	215010000231	4	Bolt M6×20-8.8-ZnD GB/T 5789
3	105050023204	1	Folded plate
4	105054023052	1	Cover, rain
5	105064063123	1	Engine harness(Not shown)
6	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789

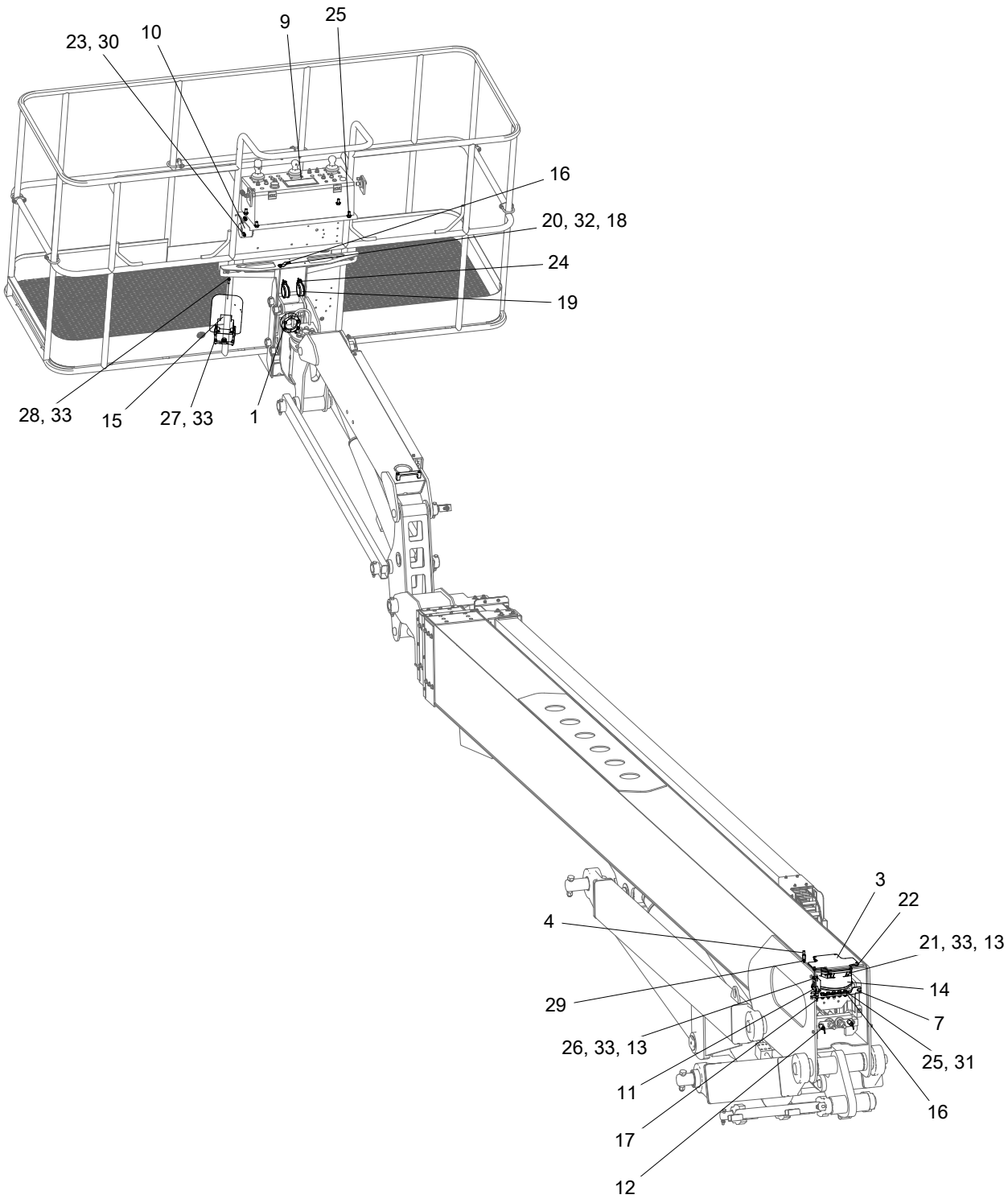
7.3.2.2 Engine Harness (PN.105064063123)



No.	Part No.	Qty.	Description
1	203080000414	2	Sheath
2	203080000159	2	Lock
3	203080000041	19	Female connector
4	203080000403	1	Sheath
5	203080000157	1	Lock
6	203080000033	10	Male connector
7	203080000068	6	Blind plug
8	203080000367	2	Cable
9	203080000133	1	Terminal, blade-hole type
10	203080000030	1	Heat shrink tube
11	203080000037	2	Corrugated pipe
12	203080000006	4	Corrugated pipe
13	203080000463	4	Nylon hose, closed-end
14	203080000375	30	Cable
15	203080000370	4	Cable
16	203080000369	6	Cable
17	203080000582	3	Wire
18	203080003393	3	Terminal, round top insulated
19	203080000427	1	Sheath
20	203080000428	2	Female pin
21	203080000429	1	Waterproof cap
22	203080000129	2	Jacket, flexible
23	203080000130	2	Terminal
24	203080000405	2	Sheath
25	203080000046	2	Lock
26	203080000455	2	End attachments, 3-pin, male
27	203080000086	2	Connector
28	203080000410	1	Sheath
29	203080000016	1	Lock
30	203080000437	1	End attachments, 2-pin, female
31	203080000448	1	Rubber part
32	203080000474	1	Waterproof cover
33	203080003636	2	Sheath
34	203080003373	6	Terminal
35	203080003637	1	Sheath
36	203080003638	2	Terminal

7.3.3 BOOM ELECTRICAL SYSTEM

7.3.3.1 Boom Electrical Components Installation

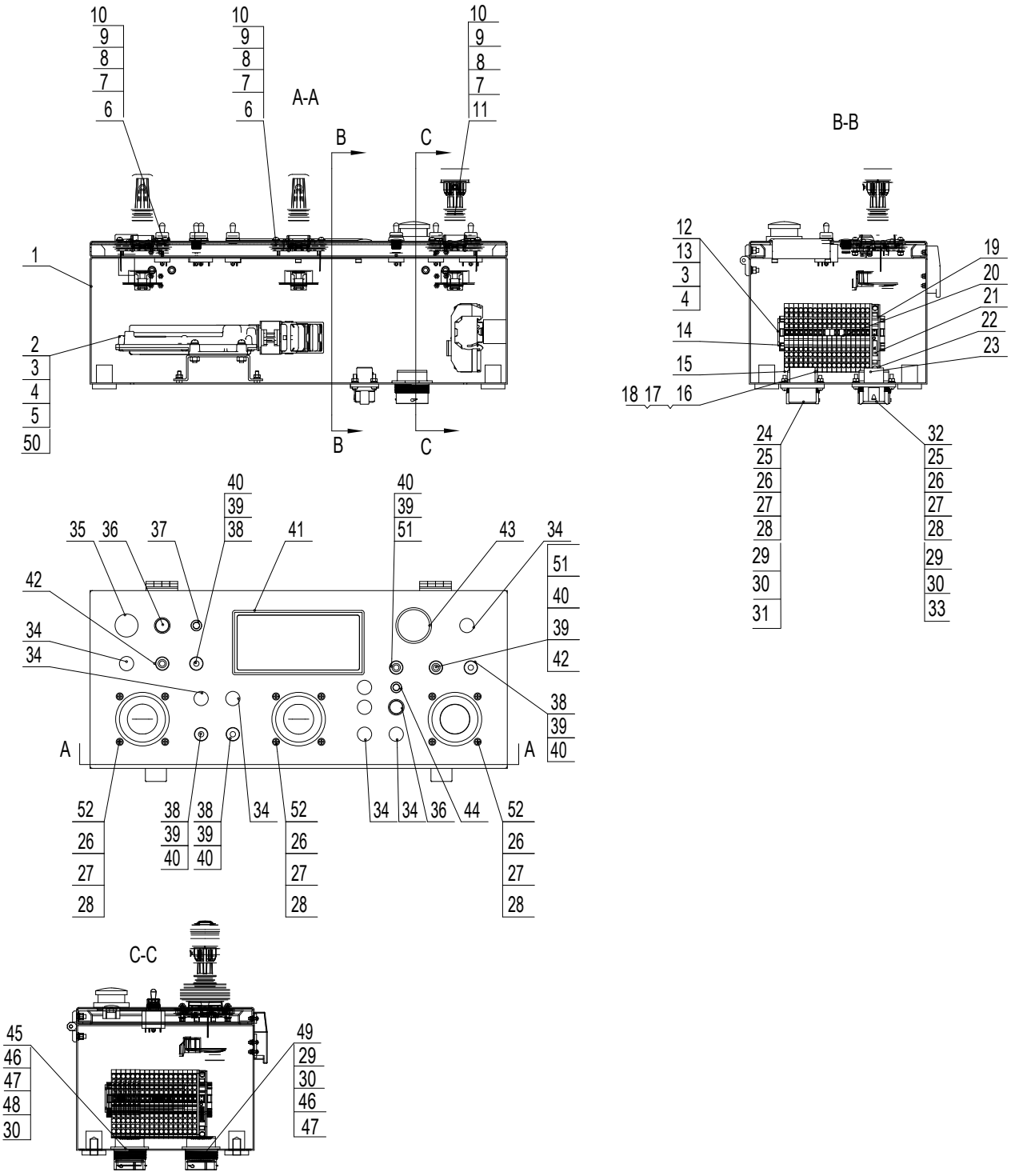


No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

7.3.3.2 Load sensor options

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

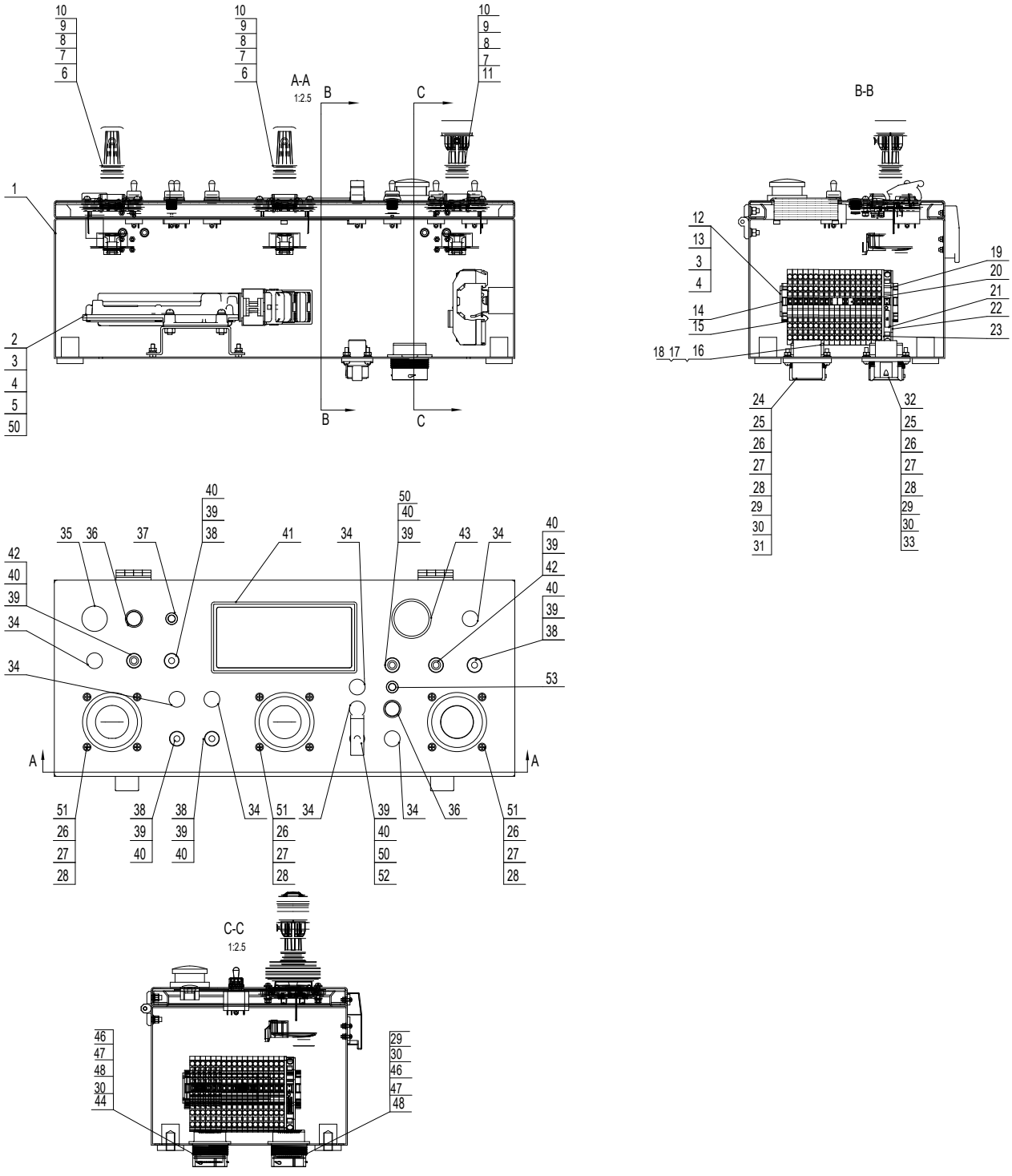
7.3.3.3 Platform Controller Assembly (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

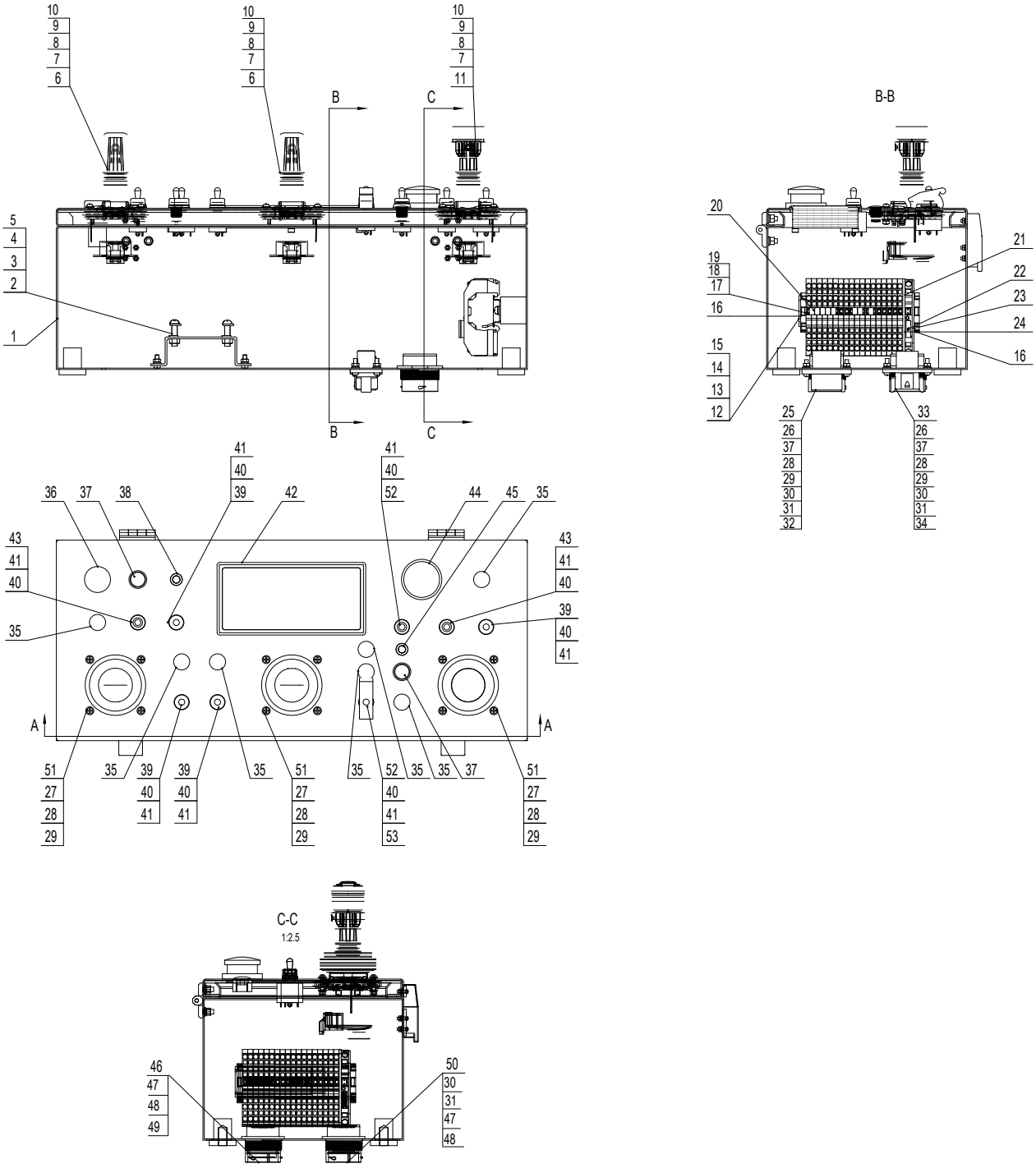
7.3.3.4 Platform Controller Assembly (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

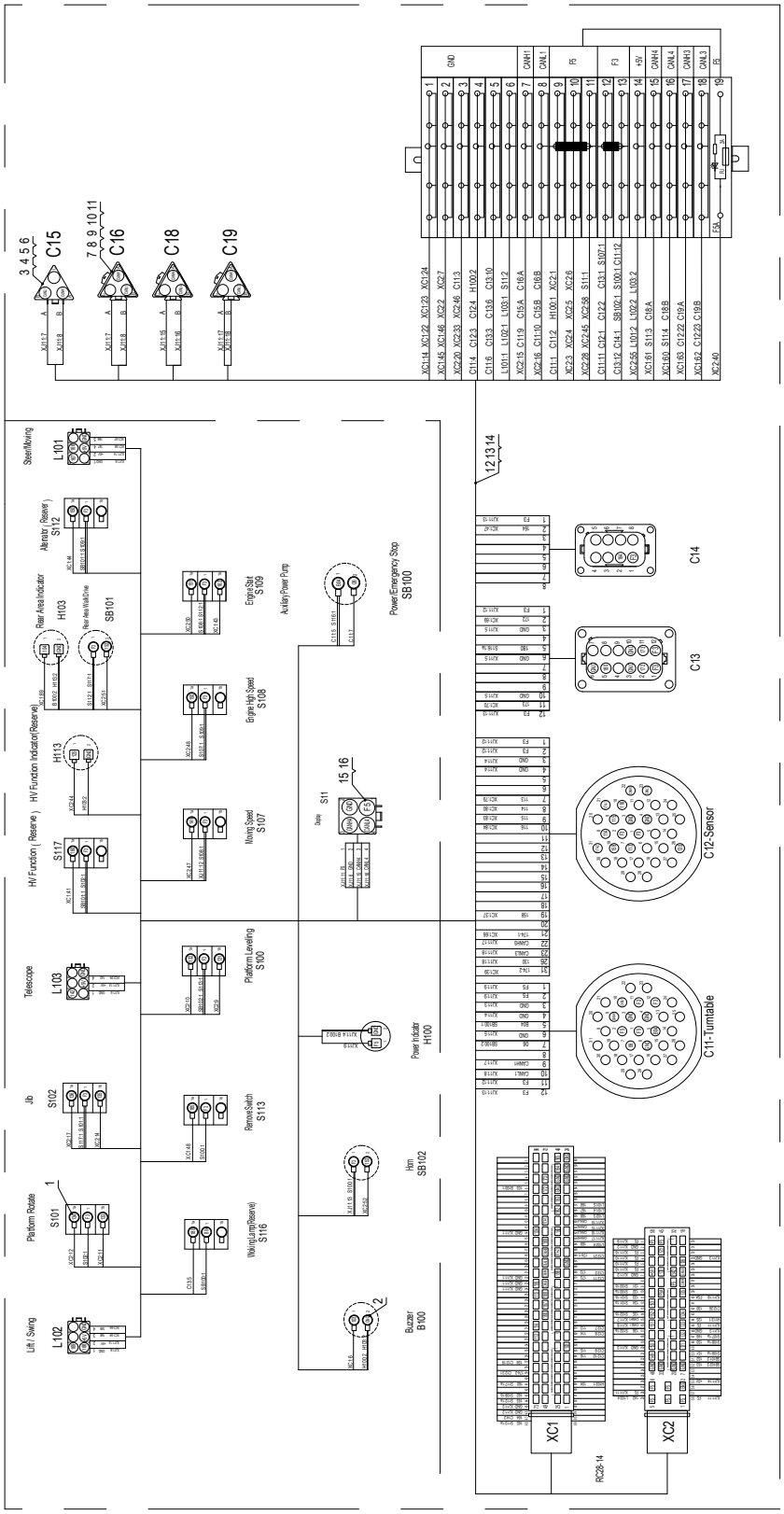
7.3.3.5 Platform Controller Assembly (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

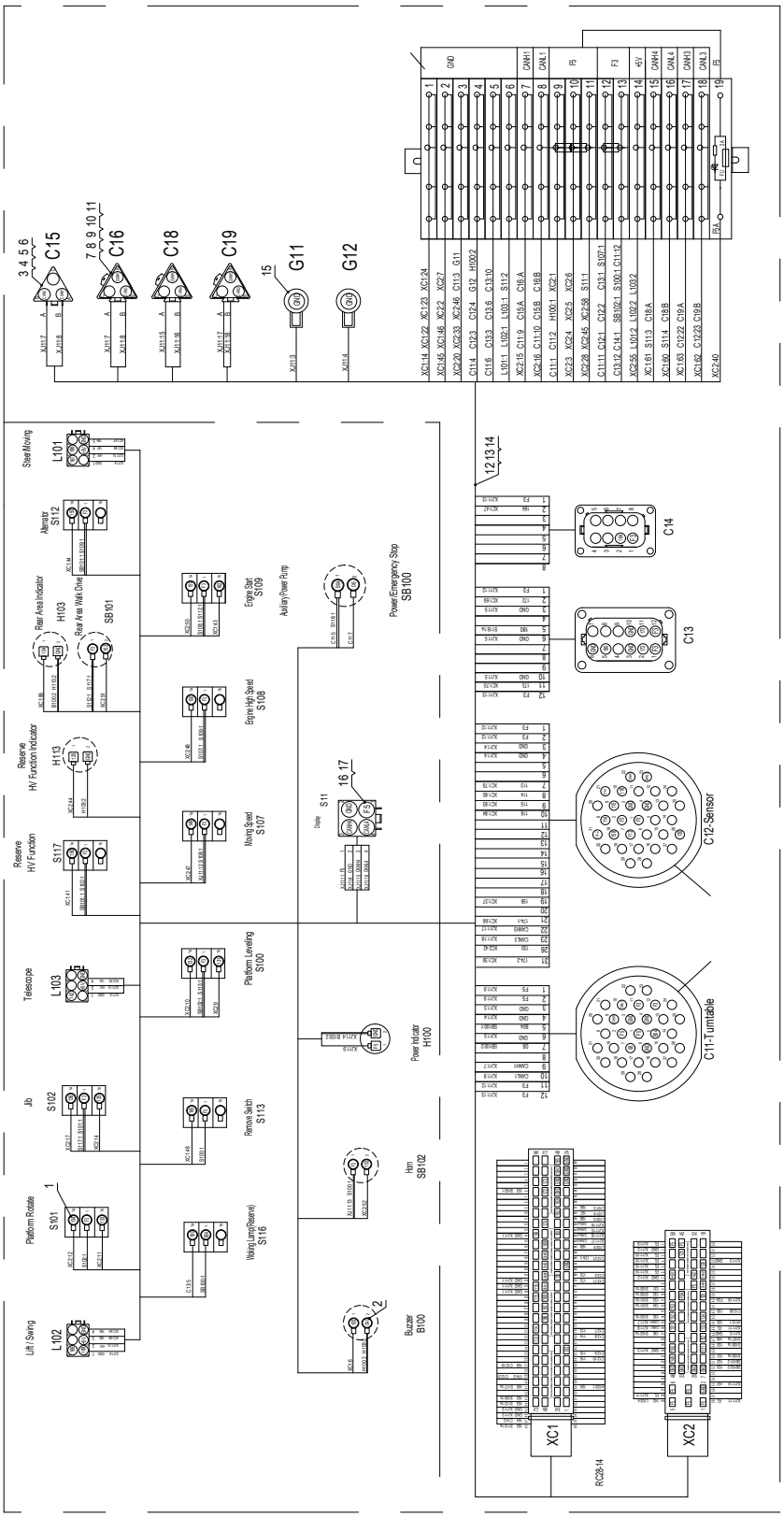
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.3.3.6 Platform Controller Wiring Diagram (PN.105050063026)



No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

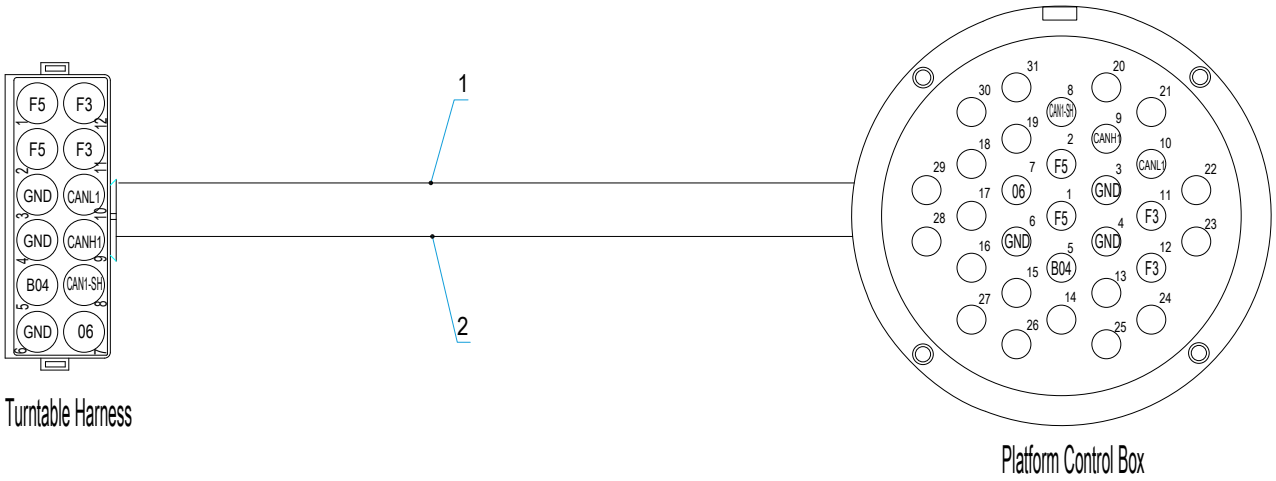
7.3.3.7 Platform Controller Wiring Diagram (PN.105050063067)



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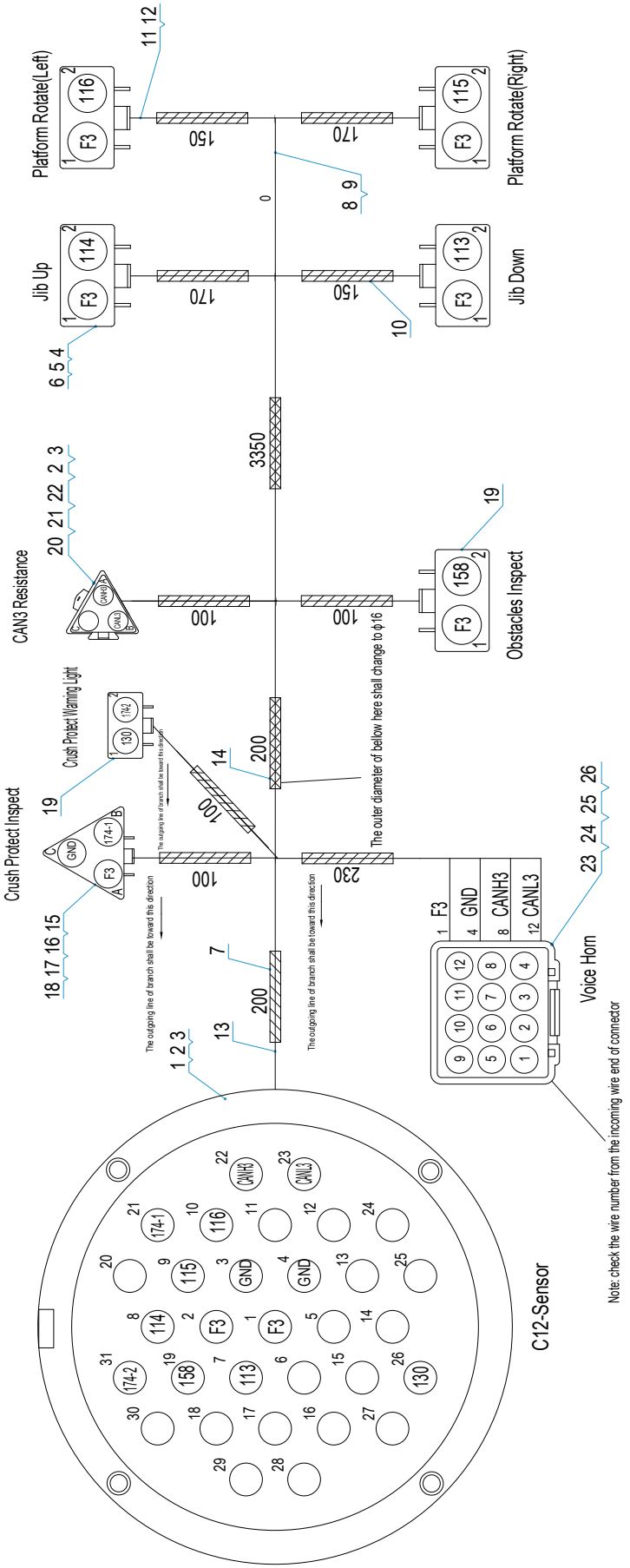
No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

7.3.3.8 Cable Track Diagram (PN.114002063018)



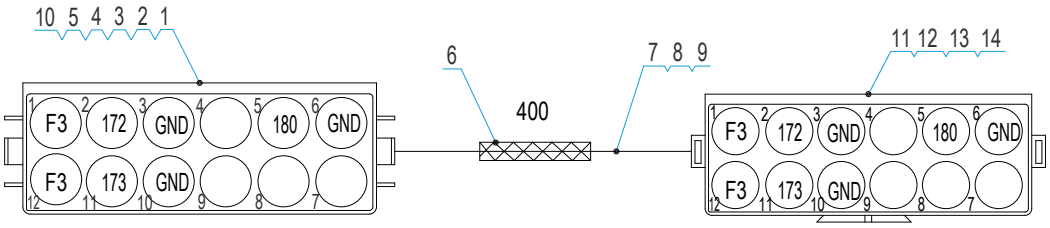
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.3.3.9 Wiring harness, platform(PN.105050063001)



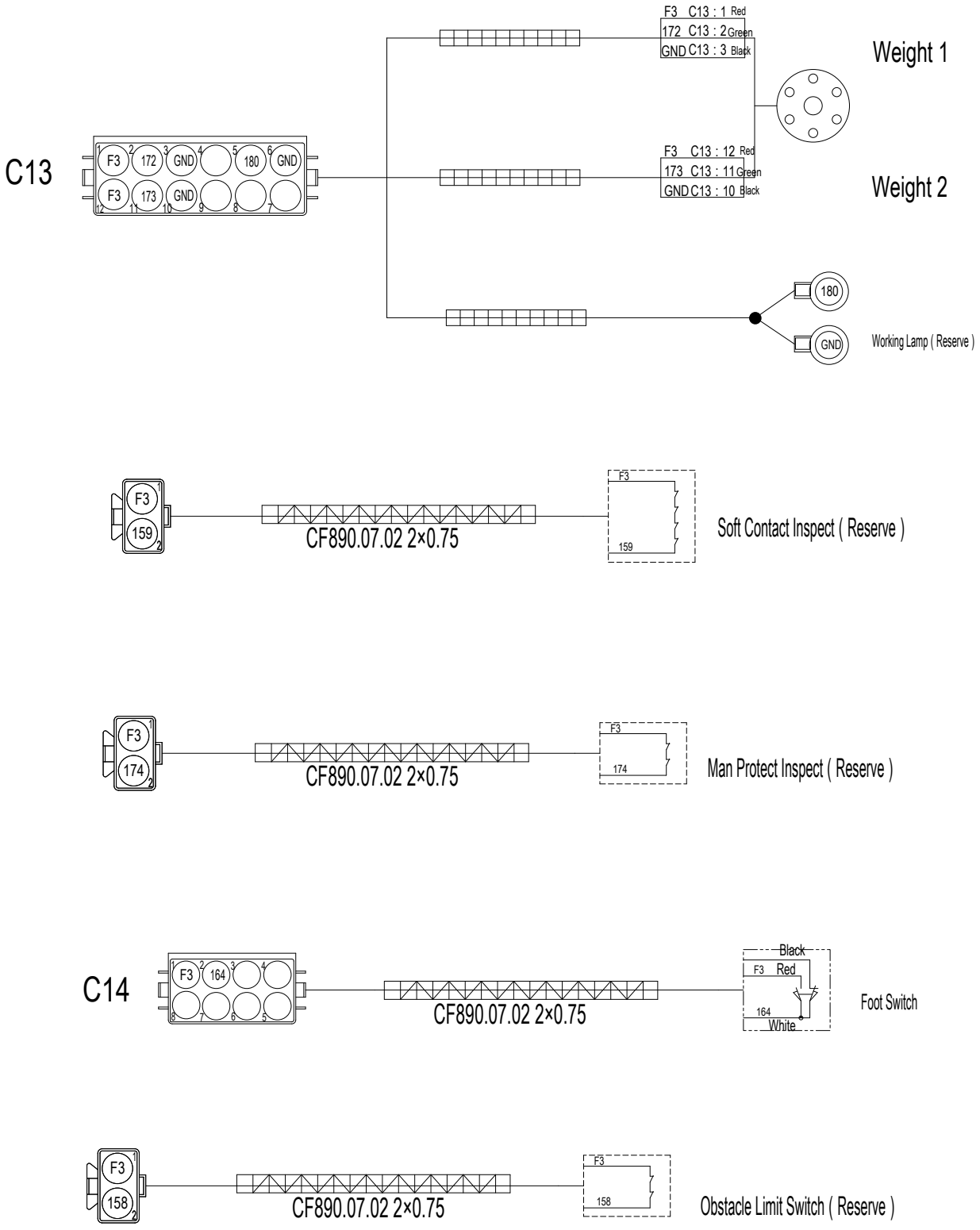
No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

7.3.3.10 Platform Harness (PN.103006063009)



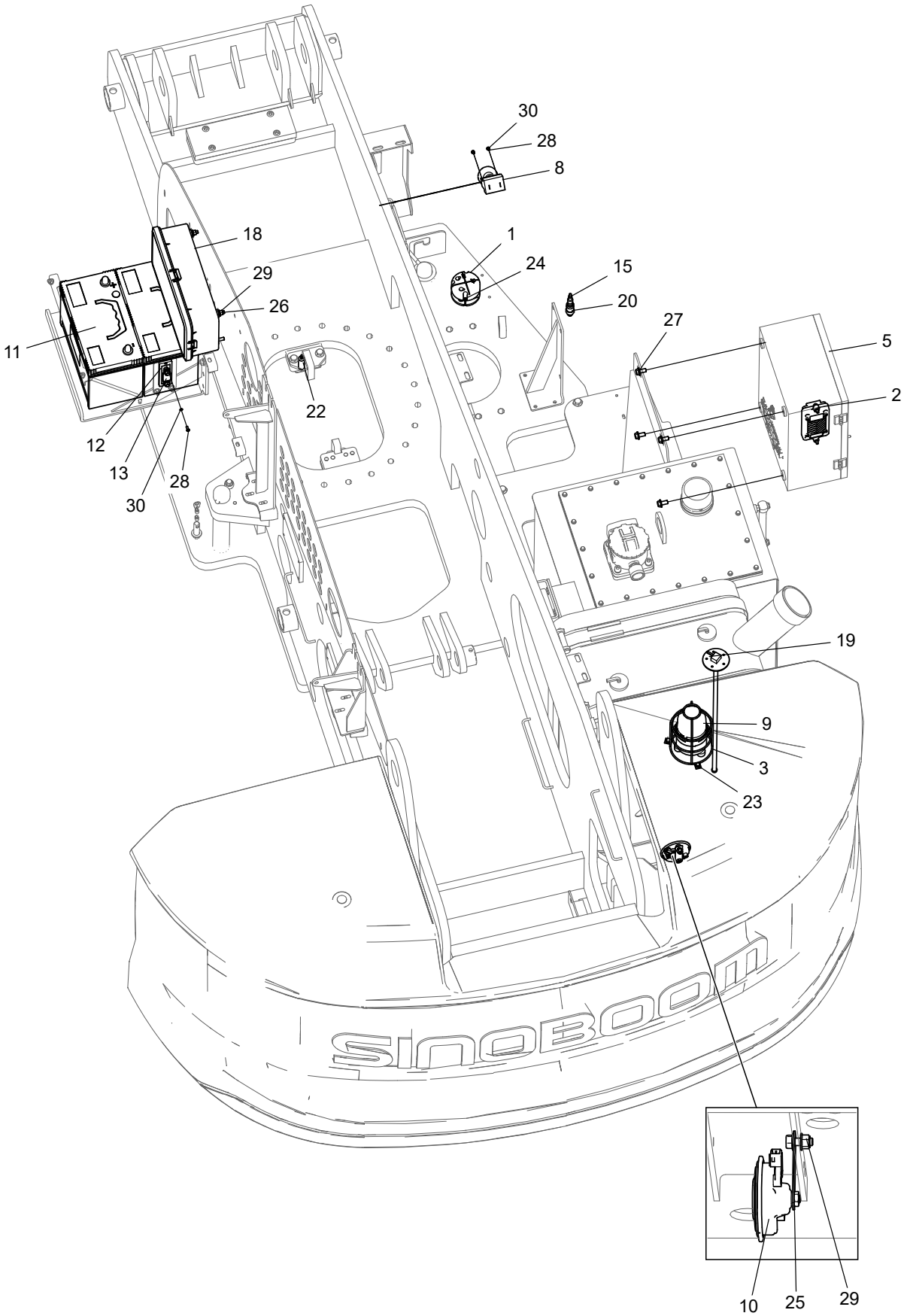
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

7.3.3.11 Platform Sensor Harness (PN.105031060013)



7.4 ELECTRICAL SYSTEM (DEUTZ D2.9 L4 EPA TIER 4, NEW)

7.4.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION

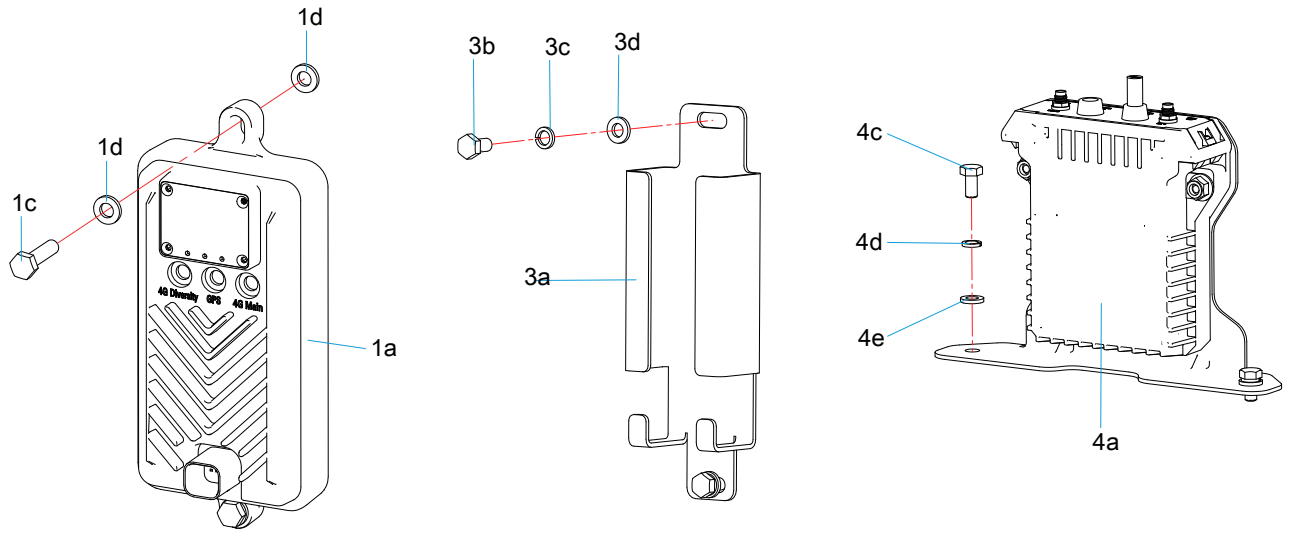


No.	Part No.	Qty.	Description
1	103008063058		Options, Level sensor installation
2	103006063020		Options, GPS installation
3	105021060024	1	Guard, light (warning)
4	105031060019	1	Turntable Sensors Harness(Not shown)
5	105064063126		Turntable controller assembly option
6	105064063054	1	Turntable Harness(Not shown)
7	105064063087	1	Electrical power wiring layout(Not shown)
8	114004063040		Power switch option
8-1	203060000024	1	Power switch(SC:1000110)
8-2	203060003167	1	Power switch(SC:1000200)
9	114012063080		Caution light option
10	114012063086		Horn option
11	114015063057	2	Maintenance-free battery options
11-1	203100000061	1	Maintenance-free battery(110Ah)
11-2	203100003158	1	Maintenance-free battery(100Ah)
11-3	203100003293	1	Battery, maintenance-free(Tuborg)(125Ah)
12	203070000056	1	Fuse holder
13	114015063055		Fuse option
13-1	203070003009	1	Fuse(CE certification)
13-2	203070003045	1	Fuse(UL certification)
14	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
15	203080003094	1	Plug with cable
16	203100000051	2	Sheath, flexible (L, black)(Not shown)
17	203100000053	2	Sheath, flexible (L, red)(Not shown)
18	203100003012	1	Power switch box
19	105050064000		Single-tube level sensor option
19-1	203150000006	1	Single-tube level sensor(SC:1000041)
19-2	203150003112	1	Single-tube level sensor(SC:3000045)
20	114007063026		Pressure sensor option
21	203150000072	1	Temperature sensor
22	203150003010	1	Proximity switch
23	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
24	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
25	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
26	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
27	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
28	215020000110	4	Screw M5×12-A2-70 GB/T 818

No.	Part No.	Qty.	Description
29	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
30	215040000003	4	Washer 5-A2-70 GB/T 93
31	105024063021	1	Power switch box schematic(Not shown)

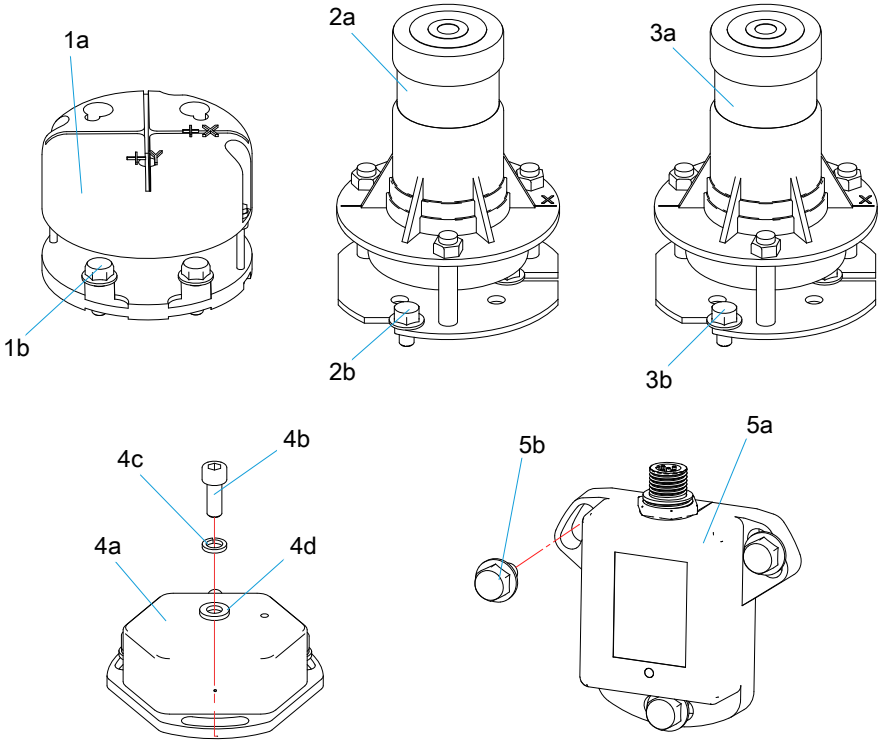
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7.4.2 GPS INSTALLATION OPTIONS



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	Nylon Bolt M6×25-4.8-PA66
1d	215040003034	4	Nylon Washer 6-PA66
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
4	104032060055	1	INST, GPS(SC:1001036)
4a	203990003066	1	GPS module (4G)
4b	203990003067	1	GPS/LTE antenna(Not shown)
4c	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
4d	215040000004	2	Washer 6-A2-70 GB/T 93
4e	215040000033	2	Washer 6-A2 GB/T 97.1

7.4.3 LEVEL SENSOR OPTIONS

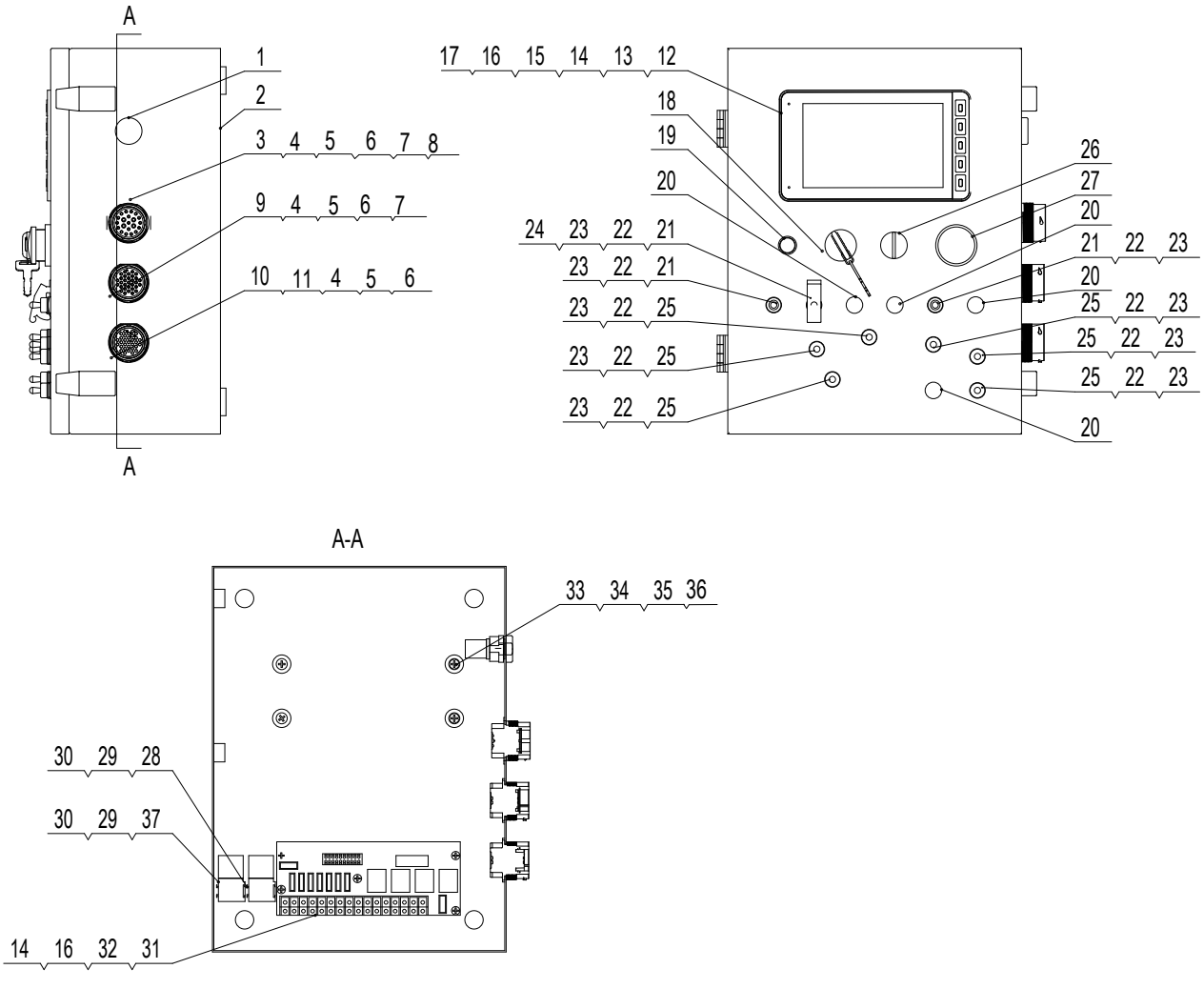


No.	Part No.	Qty.	Description
1	114015063090		INST, switch (level)
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		INST, switch (level)
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		INST, switch (level)
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		INST, sensor (level)
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1
5	114015063104	1	INST, sensor (level)
5a	203150003084	1	Angle sensor
5b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

7.4.4 TURNTABLE CONTROLLER ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	105064063139	1	Turntable controller assembly(Poland)
2	105064063146	1	Turntable controller assembly(Chile)
2a	105031060021	1	Ground controller assembly
2b	105064063135	1	Turntable controller face mask
3	105031060021	1	Ground controller assembly(Standard configuration)

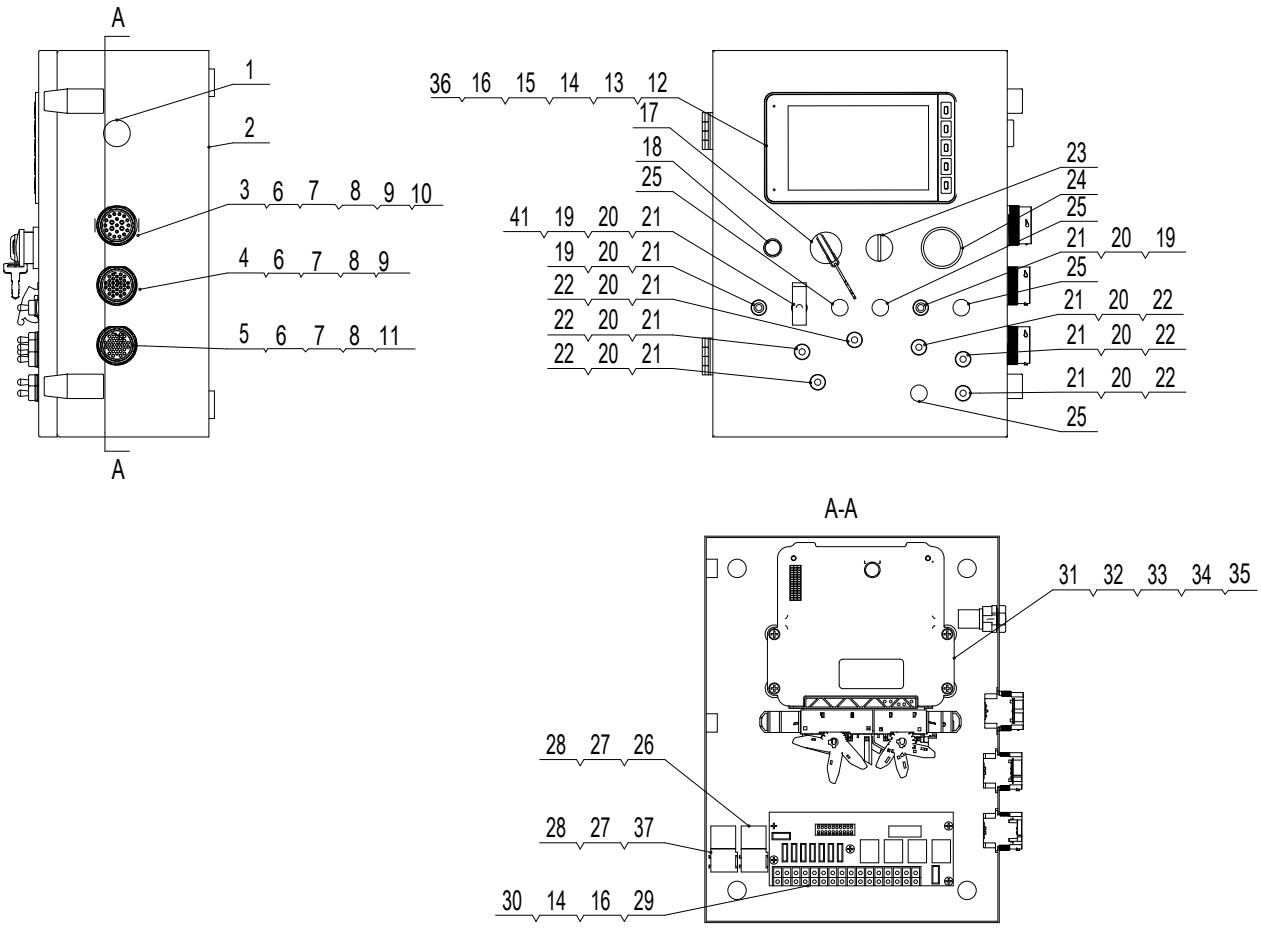
7.4.5 TURNTABLE CONTROLLER ASSEMBLY (PN.105049063002)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203060000098	3	Metal spring plate
5	203060000101	3	Retaining nut
6	203080000068	20	Blind plug
7	203080000033	40	Male connector
8	203060000103	4	#12 male connector
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	19	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215020000109	4	Screw M5×10-A2-70 GB/T 818
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203080003147	1	Connector assembly, SECD-7I0A
18	203060000114	1	Key switch
19	203060000020	1	Button
20	105045060004	4	Controller plug
21	203060000021	3	Toggle switch
22	203080000101	9	Waterproof cap
23	203080000109	9	Nut
24	203060000150	1	Toggle switch guard
25	203060000003	6	Toggle switch
26	203060000029	1	Selector switch
27	203060000142	1	Switch, emergency stop
28	203040003005	1	Relay, time-delay
29	215040000002	2	Washer 4-A2-70 GB/T 93
30	215020000104	2	Screw M4×10-A2-70 GB/T 818
31	203030000015	1	Relay integration board
32	215020000110	5	Screw M5×12-A2-70 GB/T 818
33	215020000118	4	Screw M6×25-A2-70 GB/T 818
34	215040000004	4	Washer 6-A2-70 GB/T 93
35	215040000033	4	Washer 6-A2 GB/T 97.1
36	203080000378	1	Connector, controller
37	203040000003	1	Relay
38	105031060017	1	Ground control box wiring diagram(Not shown)

No.	Part No.	Qty.	Description
39	105025063005	1	PC film, control box (turntable)(Not shown)
40	105070063003	1	Surface film, control box (turntable)(Not shown)
41	203020000038	1	Controller(Not shown)

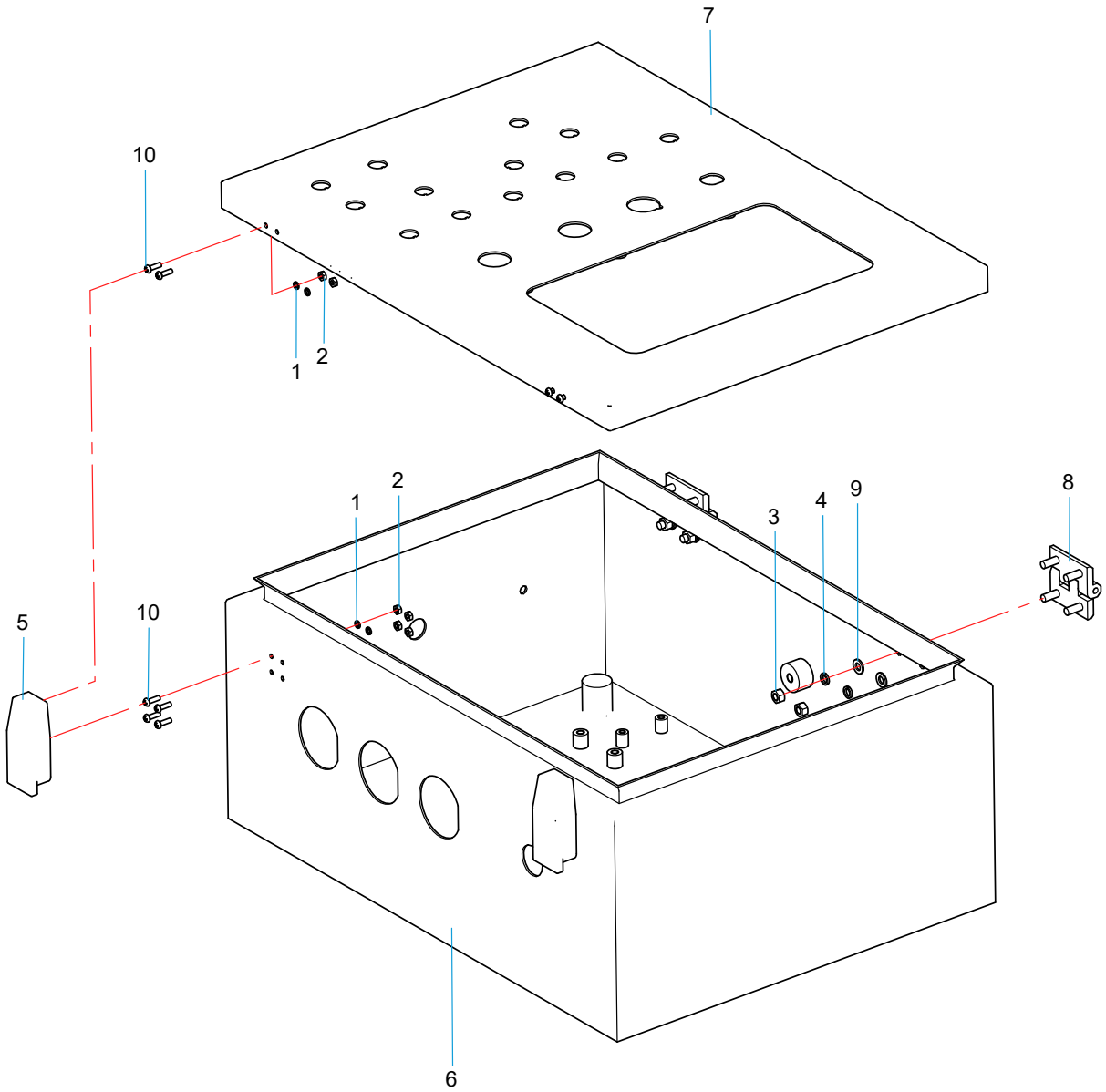
7.4.6 TURNTABLE CONTROLLER ASSEMBLY (PN.105031060021)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	20	Blind plug
9	203080000033	40	Male connector
10	203060000103	4	#12 male connector
11	203080000041	19	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215020000109	4	Screw M5×10-A2-70 GB/T 818
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000101	9	Waterproof cap
21	203080000109	9	Nut
22	203060000003	6	Toggle switch
23	203060000029	1	Selector switch
24	203060000142	1	Switch, emergency stop
25	105045060004	4	Controller plug
26	203040003005	1	Relay, time-delay
27	215040000002	2	Washer 4-A2-70 GB/T 93
28	215020000104	2	Screw M4×10-A2-70 GB/T 818
29	203030000015	1	Relay integration board
30	215020000110	5	Screw M5×12-A2-70 GB/T 818
31	203020000038	1	Controller
32	215040000033	4	Washer 6-A2 GB/T 97.1
33	215040000004	4	Washer 6-A2-70 GB/T 93
34	215020000118	4	Screw M6×25-A2-70 GB/T 818
35	203080000378	1	Connector, controller
36	203080003147	1	Connector assembly, SECD-7I0A
37	203040000003	1	Relay
38	105070063003	1	Surface film, control box (turntable)(Not shown)

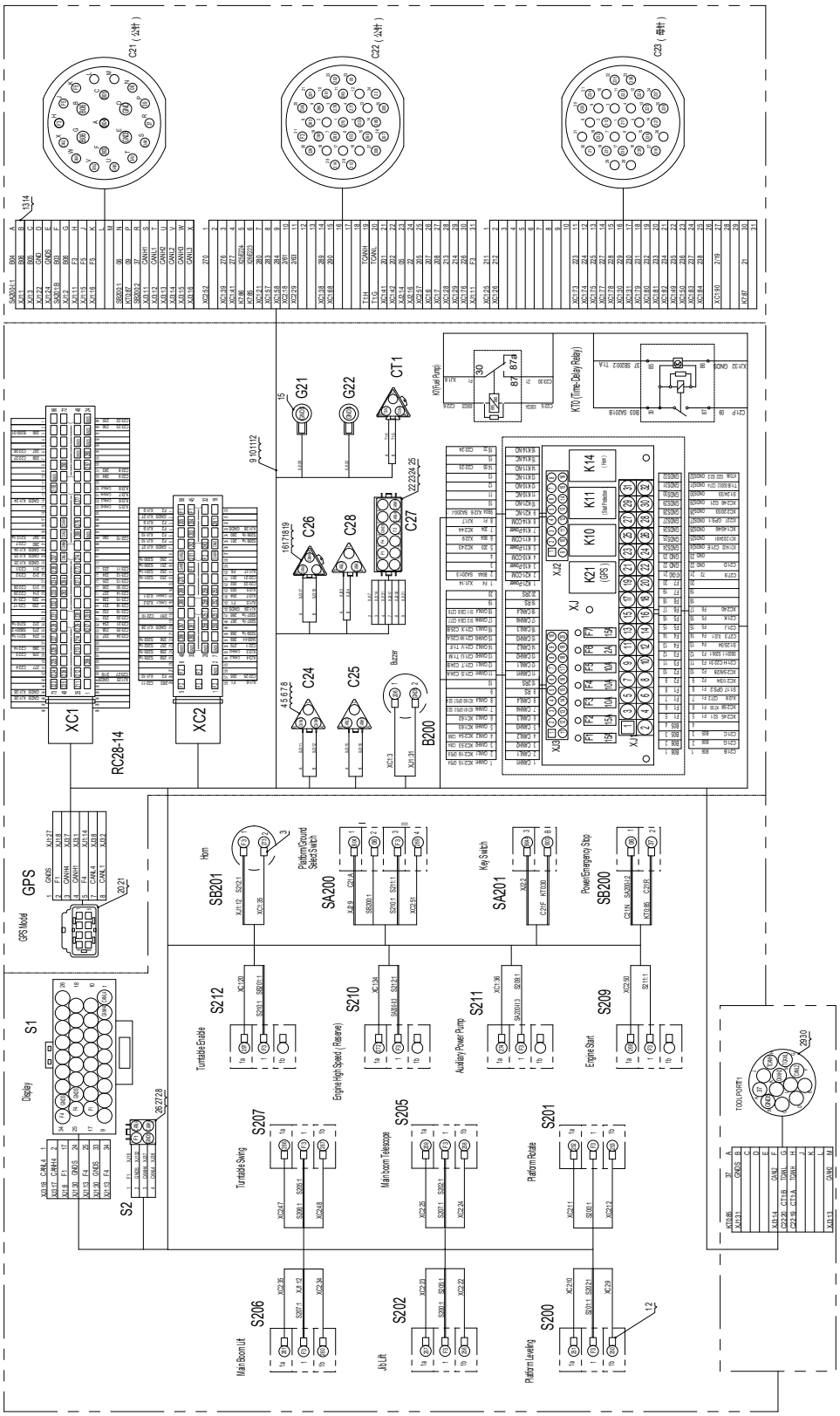
No.	Part No.	Qty.	Description
39	105031060017	1	Ground control box wiring diagram(Not shown)
40	105025063005	1	PC film, control box (turntable)(Not shown)
41	203060000150	1	Toggle switch guard

7.4.7 TURNTABLE CONTROL BOX(PN.113001063012)



No.	Part No.	Qty.	Description
1	215040000001	12	Washer 3-A2-70 GB/T 93
2	215030000001	12	Nut M3-A2-70 GB/T 6170
3	215030000003	8	Nut M5-A2-70 GB/T 6170
4	215040000003	8	Washer 5-A2-70 GB/T 93
5	203060000025	2	Latch
6	104019060033	1	Turntable controller base assembly
7	113001063017	1	Turntable controller panel assembly
8	209050000022	2	Hinge
9	215040000032	8	Washer 5-A2 GB/T 97.1
10	215020000100	12	Screw M3×10-A2-70 GB/T 818

7.4.8 TURNTABLE CONTROLLER WIRING DIAGRAM (PN.105031060017)



No.	Part No.	Qty.	Description
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000404	3	Sheath
5	203080000032	3	Lock
6	203080000041	14	Female connector
7	203080000068	5	Blind plug
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000133	3	Terminal, blade-hole type
16	203080000405	2	Sheath
17	203080000046	2	Lock
18	203080000033	4	Male connector
19	203080000086	2	Connector
20	203080003216	1	Sheath
21	203080003218	7	AMP terminal
22	203080003532	1	Sheath
23	203080003533	1	Lock
24	203060000085	8	#20 female terminal
25	203080000085	4	Blind plug
26	203080000044	1	Sheath
27	203080000020	1	Lock
28	203080000492	1	Waterproof cover
29	203080003112	1	Sheath
30	203080000146	6	Pin, female
	105031060017	1	Ground control box wiring diagram

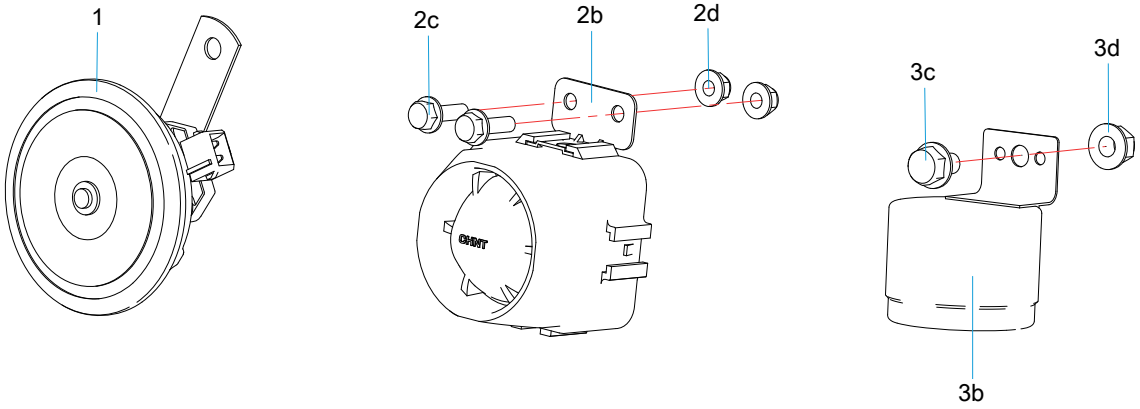
7.4.9 CAUTION LIGHT OPTIONS

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

7.4.10 PRESSURE SENSOR OPTION

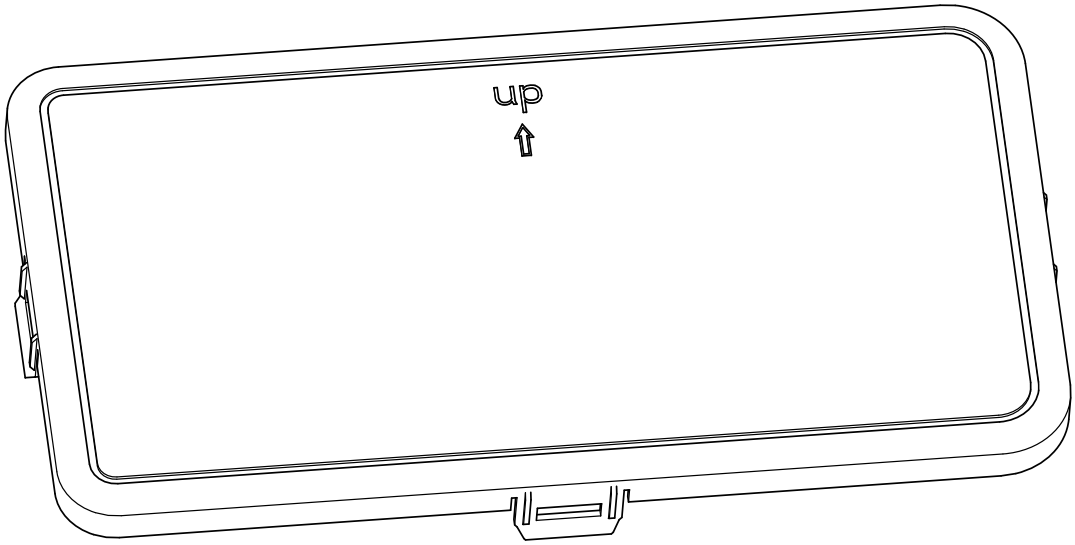
No.	Part No.	Qty.	Description
	114007063026		Pressure sensor option
1	203150003078	1	Pressure sensor(SC：1000232)
2	203150003087	1	Pressure sensor(SC：1001007)

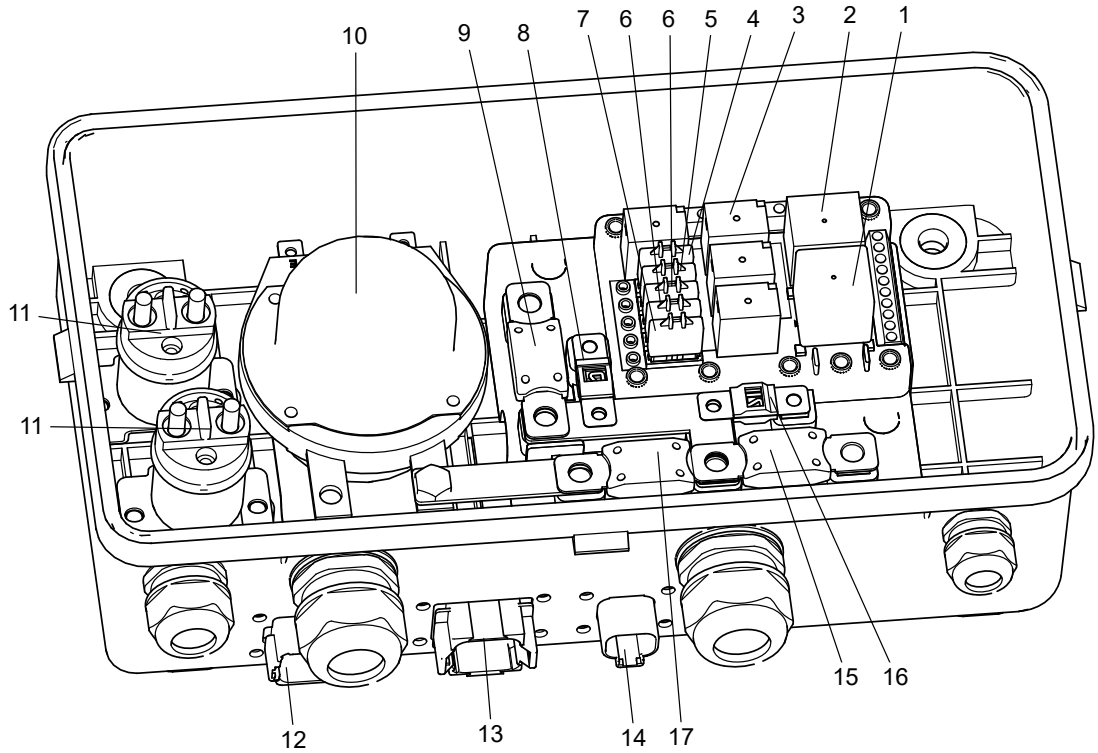
7.4.11 HORN OPTION



No.	Part No.	Qty.	Description
1	203050000034	1	Horn(Standard configuration)
2	114006063072		White noise horn installation(Australian specs)
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
3	103009063115		INST, buzzer(Thailand specs)
3a	104019063067	1	Cable, adapter (warning light)(Not shown)
3b	203050000002	1	Reverse buzzer
3c	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
3d	215030000108	1	Nut M8-8-ZnD GB/T 6183.1

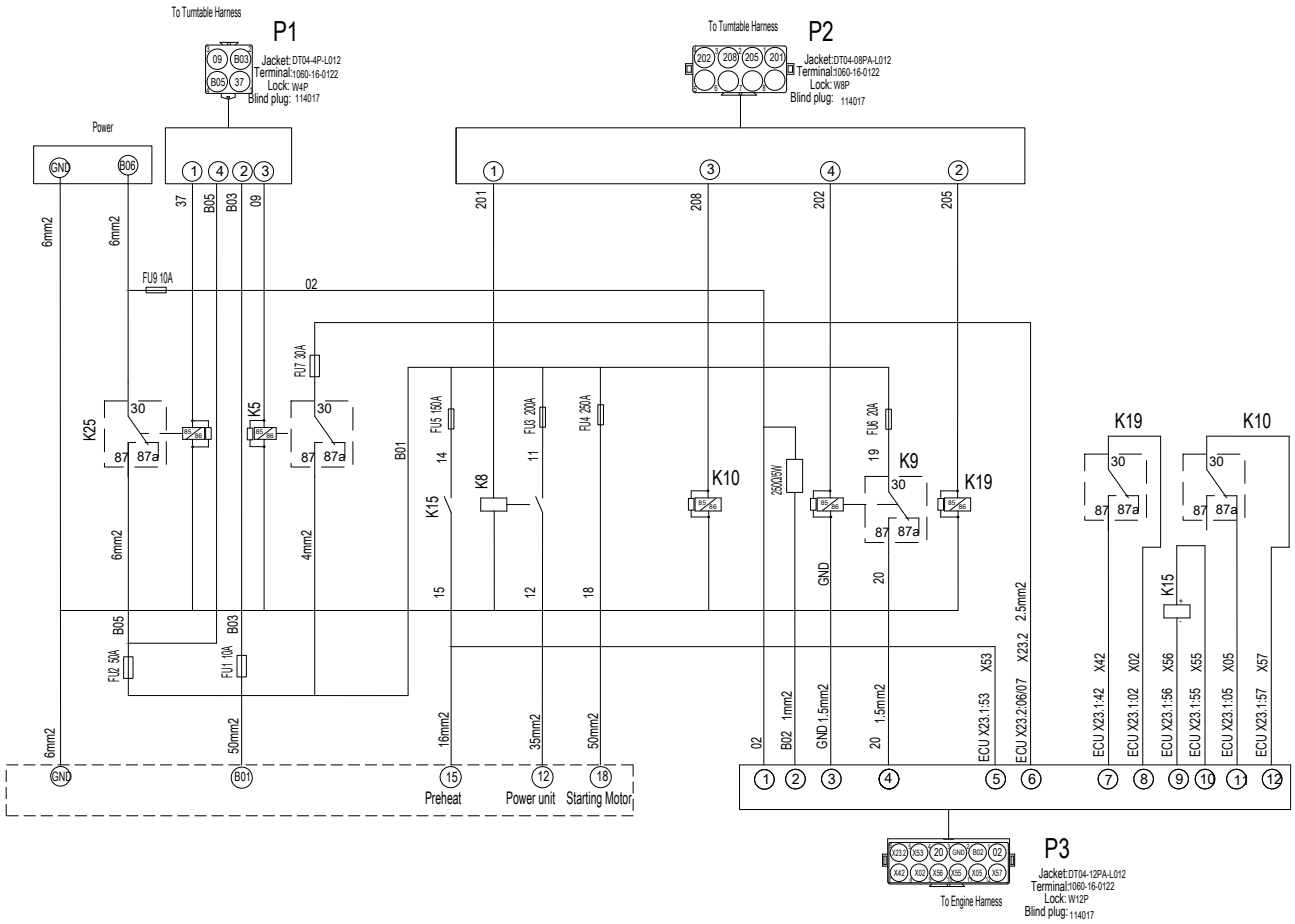
7.4.12 POWER SWITCH BOX (PN.203100003012)



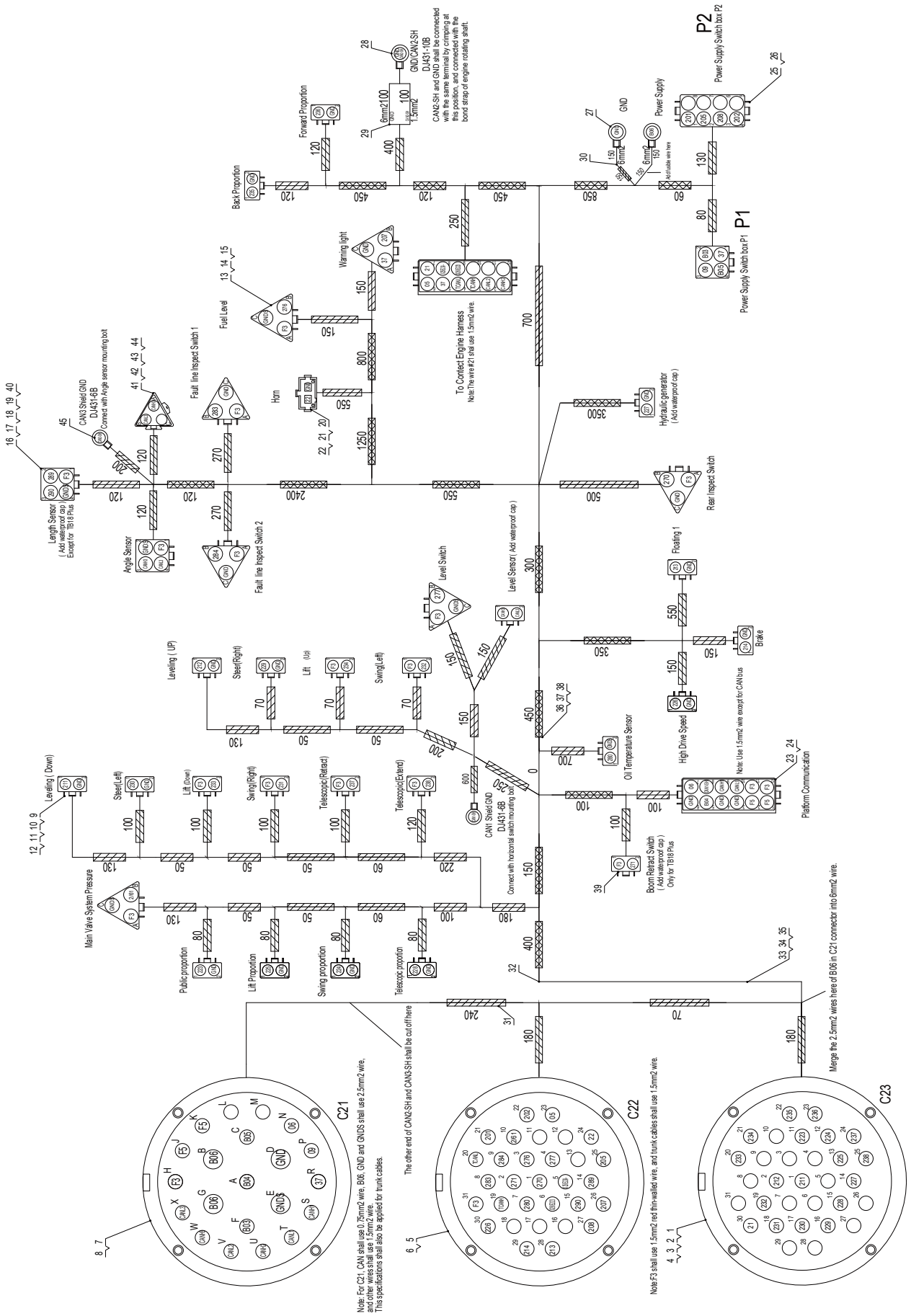


No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.4.13 ELECTRICAL SCHEMATIC OF POWER SWITCH BOX (PN.105024063021)



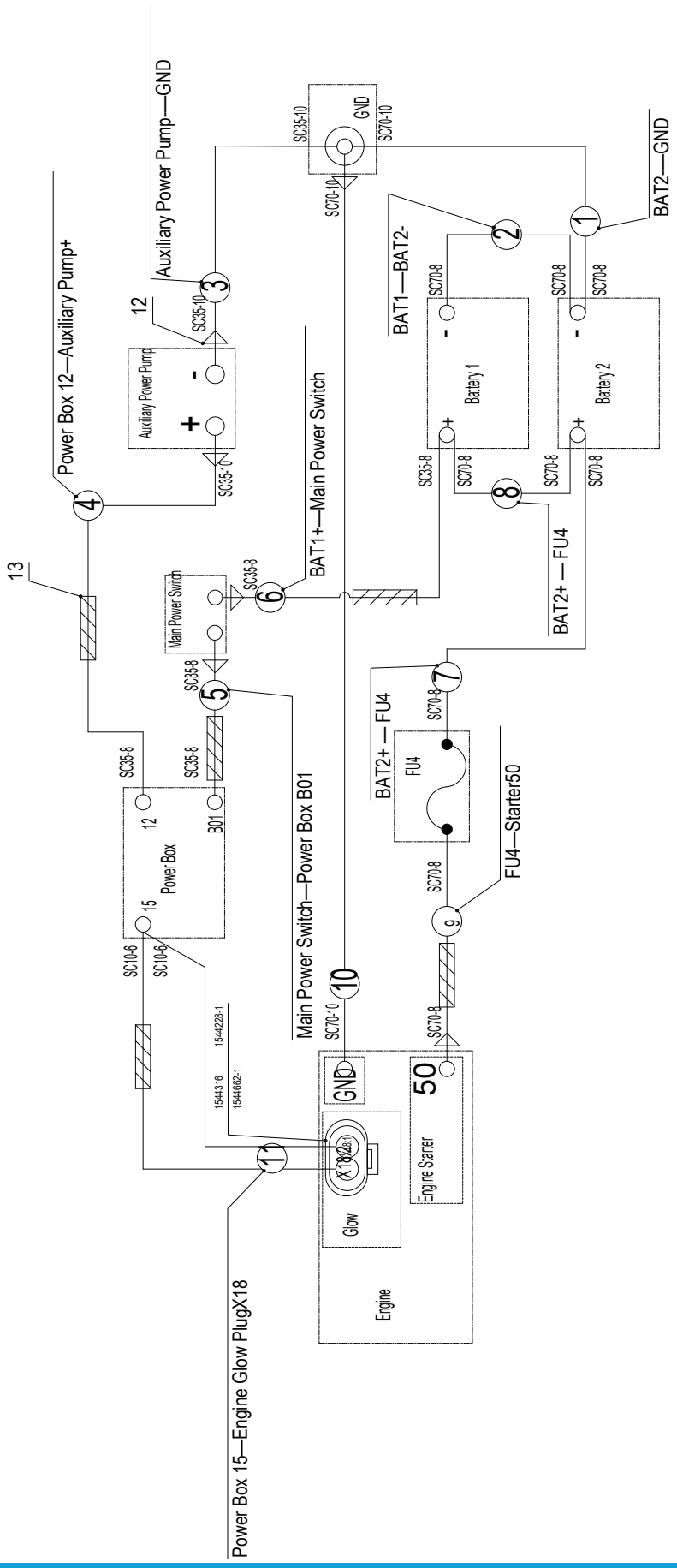
7.4.14 TURNTABLE HARNESS (PN.105064063054)



No.	Part No.	Qty.	Description
	105064063054	1	Turntable Harness
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	21	Male connector
4	203080000068	23	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	147	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000437	23	End attachments, 2-pin, female
12	203080000448	23	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	3	Sheath
17	203080000020	3	Lock
18	203080000445	3	End attachments, 4-pin, female
19	203080000446	3	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	2	Sheath
24	203080000159	2	Lock
25	203080000100	1	Connector
26	203080000112	1	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	1	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end
38	203080000037	2	Corrugated pipe

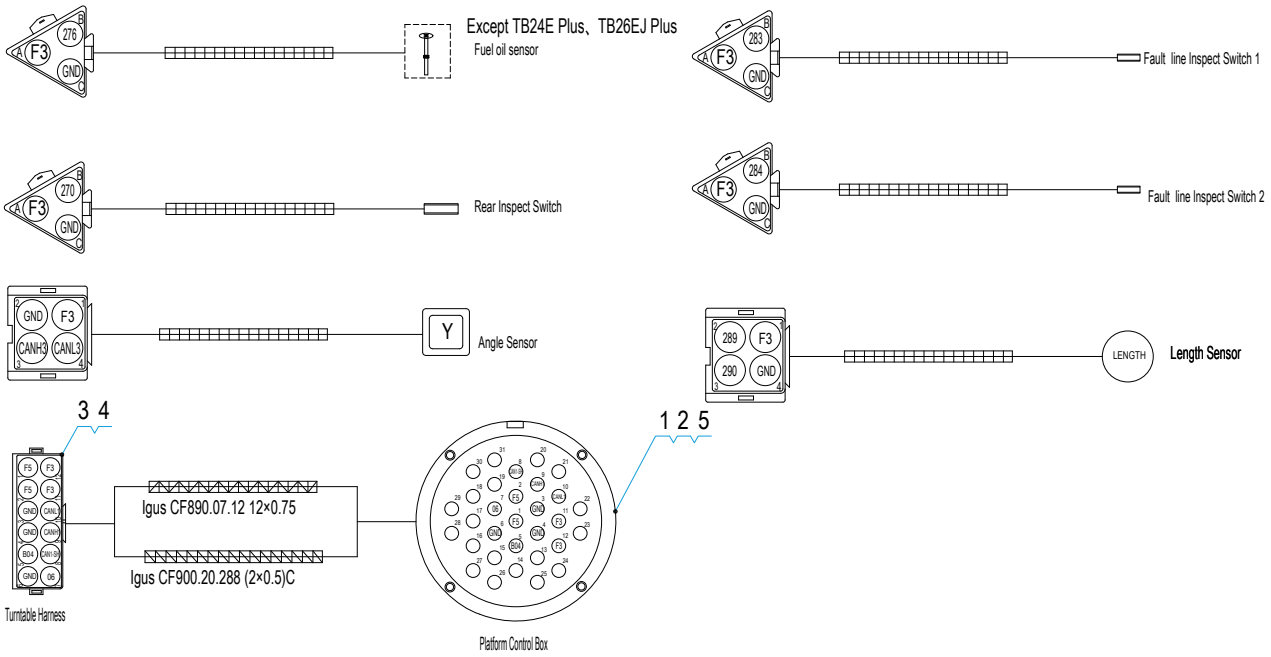
No.	Part No.	Qty.	Description
39	203080000474	2	Waterproof cover
40	203080000492	1	Waterproof cover
41	203080000405	1	Sheath
42	203080000046	1	Lock
43	203080000455	1	End attachments, 3-pin, male
44	203080000086	1	Connector
45	203080000133	2	Terminal, blade-hole type

7.4.15 ELECTRICAL POWER WIRING LAYOUT (PN.105064063087)



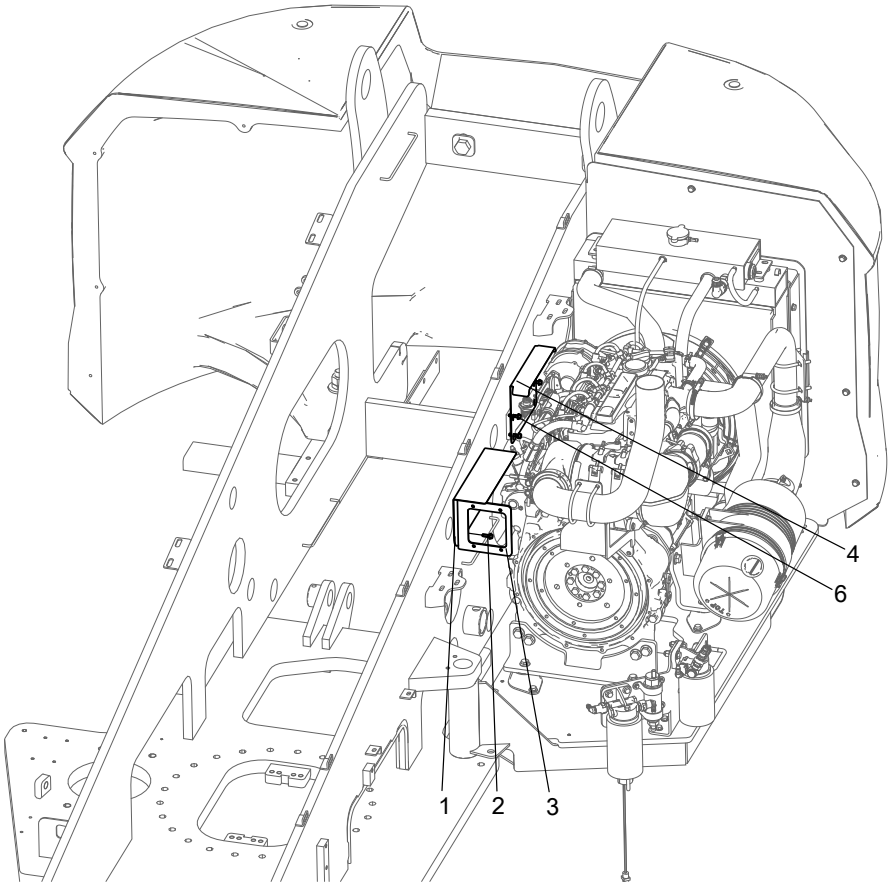
No.	Part No.	Qty.	Description
	105064063087	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000264	1	Power line
10	203230000501	1	Power line
11	203230000874	1	Power line
12	203080000004	6	PVC sheath
13	203080000422	8	Nylon hose, closed-end

7.4.16 TURNTABLE SENSOR HARNESS (PN.105031060019)



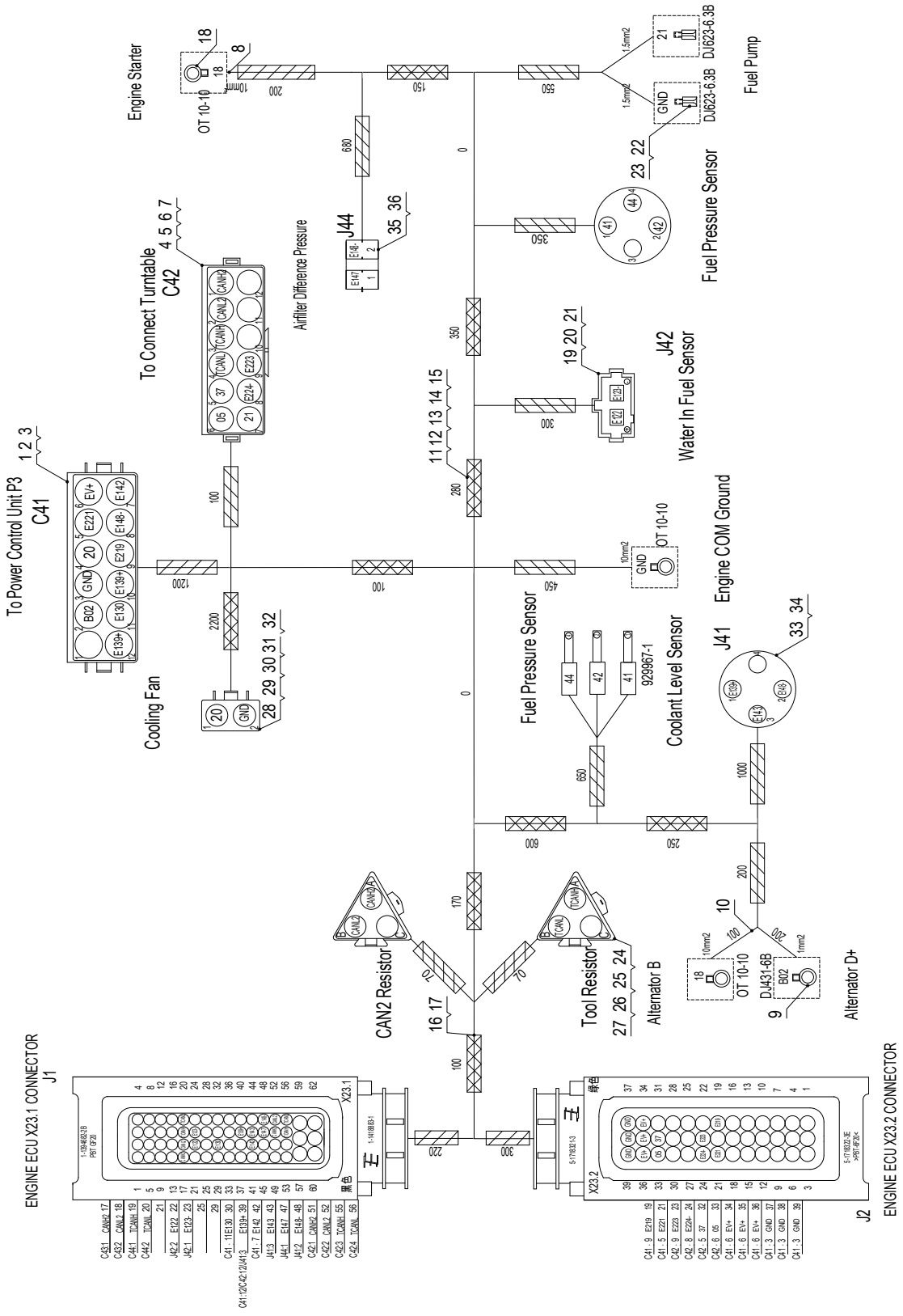
No.	Part No.	Qty.	Description
	105031060019	1	Turntable Sensors Harness
1	203080000520	1	31-pin female terminal sheath
2	203060000096	1	180 deg. end clip
3	203080000403	1	Sheath
4	203080000157	1	Lock
5	203080000068	19	Blind plug

7.4.17 ENGINE ELECTRICAL COMPONENTS INSTALLATION



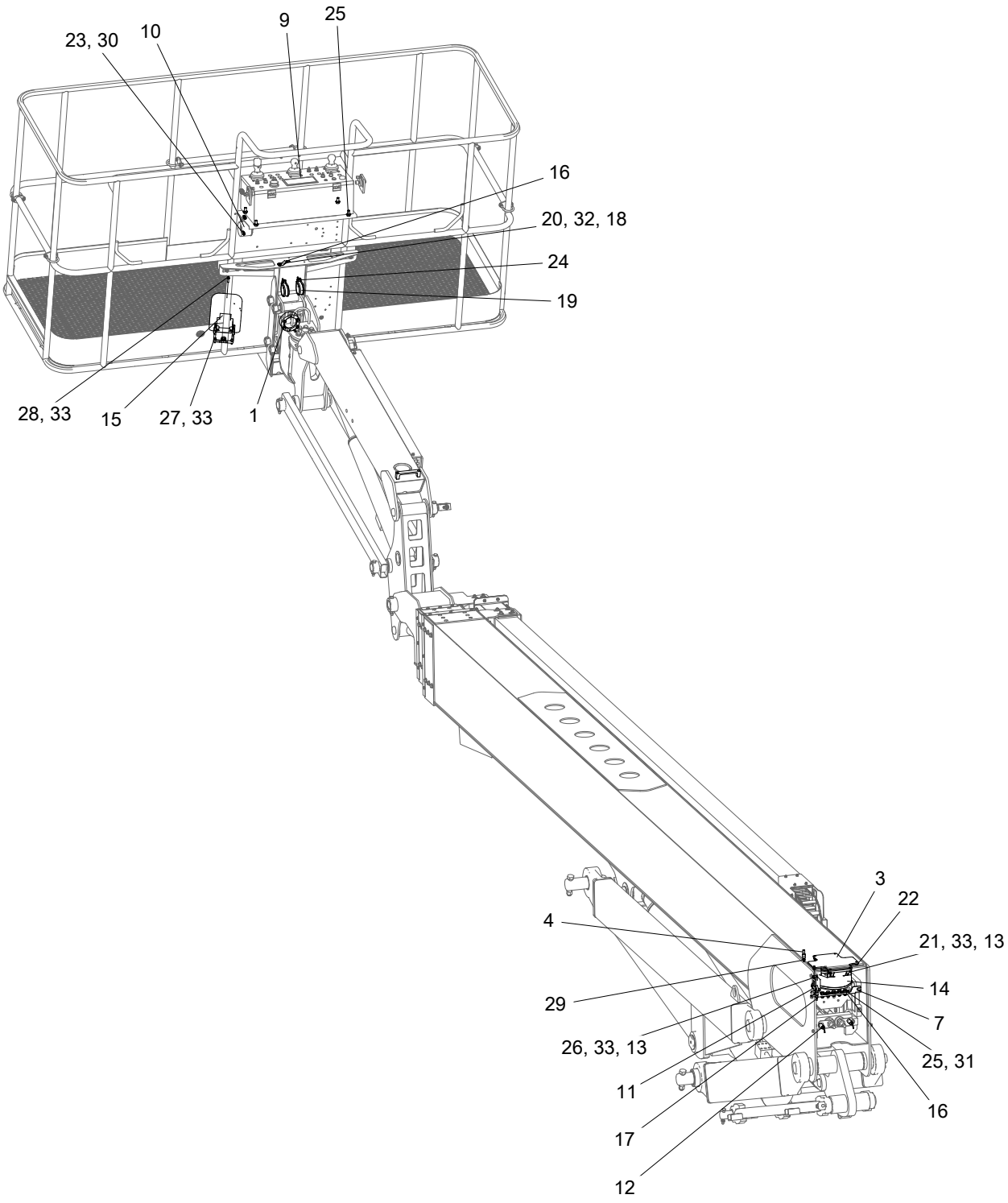
No.	Part No.	Qty.	Description
1	105054023053	1	Cover, rain
2	215010000231	4	Bolt M6×20-8.8-ZnD GB/T 5789
3	105050023204	1	Folded plate
4	105054023052	1	Cover, rain
5	105064063123	1	Engine harness(Not shown)
6	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789

7.4.18 ENGINE HARNESS (PN.105064063123)



No.	Part No.	Qty.	Description
1	203080000414	2	Sheath
2	203080000159	2	Lock
3	203080000041	19	Female connector
4	203080000403	1	Sheath
5	203080000157	1	Lock
6	203080000033	10	Male connector
7	203080000068	6	Blind plug
8	203080000367	2	Cable
9	203080000133	1	Terminal, blade-hole type
10	203080000030	1	Heat shrink tube
11	203080000037	2	Corrugated pipe
12	203080000006	4	Corrugated pipe
13	203080000463	4	Nylon hose, closed-end
14	203080000375	30	Cable
15	203080000370	4	Cable
16	203080000369	6	Cable
17	203080000582	3	Wire
18	203080003393	3	Terminal, round top insulated
19	203080000427	1	Sheath
20	203080000428	2	Female pin
21	203080000429	1	Waterproof cap
22	203080000129	2	Jacket, flexible
23	203080000130	2	Terminal
24	203080000405	2	Sheath
25	203080000046	2	Lock
26	203080000455	2	End attachments, 3-pin, male
27	203080000086	2	Connector
28	203080000410	1	Sheath
29	203080000016	1	Lock
30	203080000437	1	End attachments, 2-pin, female
31	203080000448	1	Rubber part
32	203080000474	1	Waterproof cover
33	203080003636	2	Sheath
34	203080003373	6	Terminal
35	203080003637	1	Sheath
36	203080003638	2	Terminal

7.4.19 BOOM ELECTRICAL COMPONENTS INSTALLATION



No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

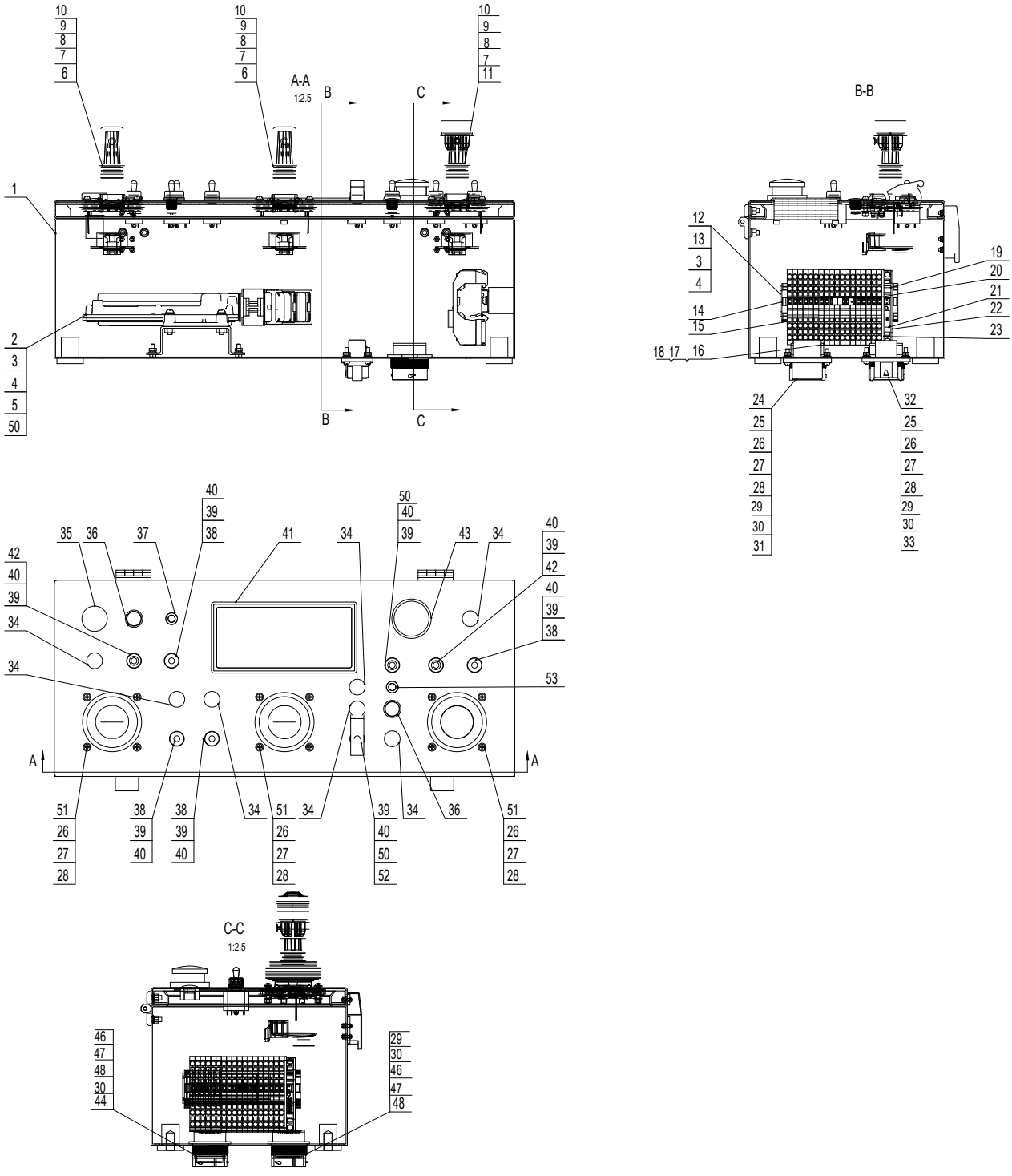
7.4.20 LOAD SENSOR OPTIONS

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

7.4.21 PLATFORM CONTROLLER ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	105050063016	1	Platform controller assembly(Standard configuration)
2	105050063068	1	Platform controller assembly(North America，Australian)
3	105064063131	1	Platform controller assembly(Chilean)
3a	105050063016	1	Platform controller assembly
3b	105064063132	1	Platform controller face mask
4	105064063138	1	Platform controller assembly(Poland)

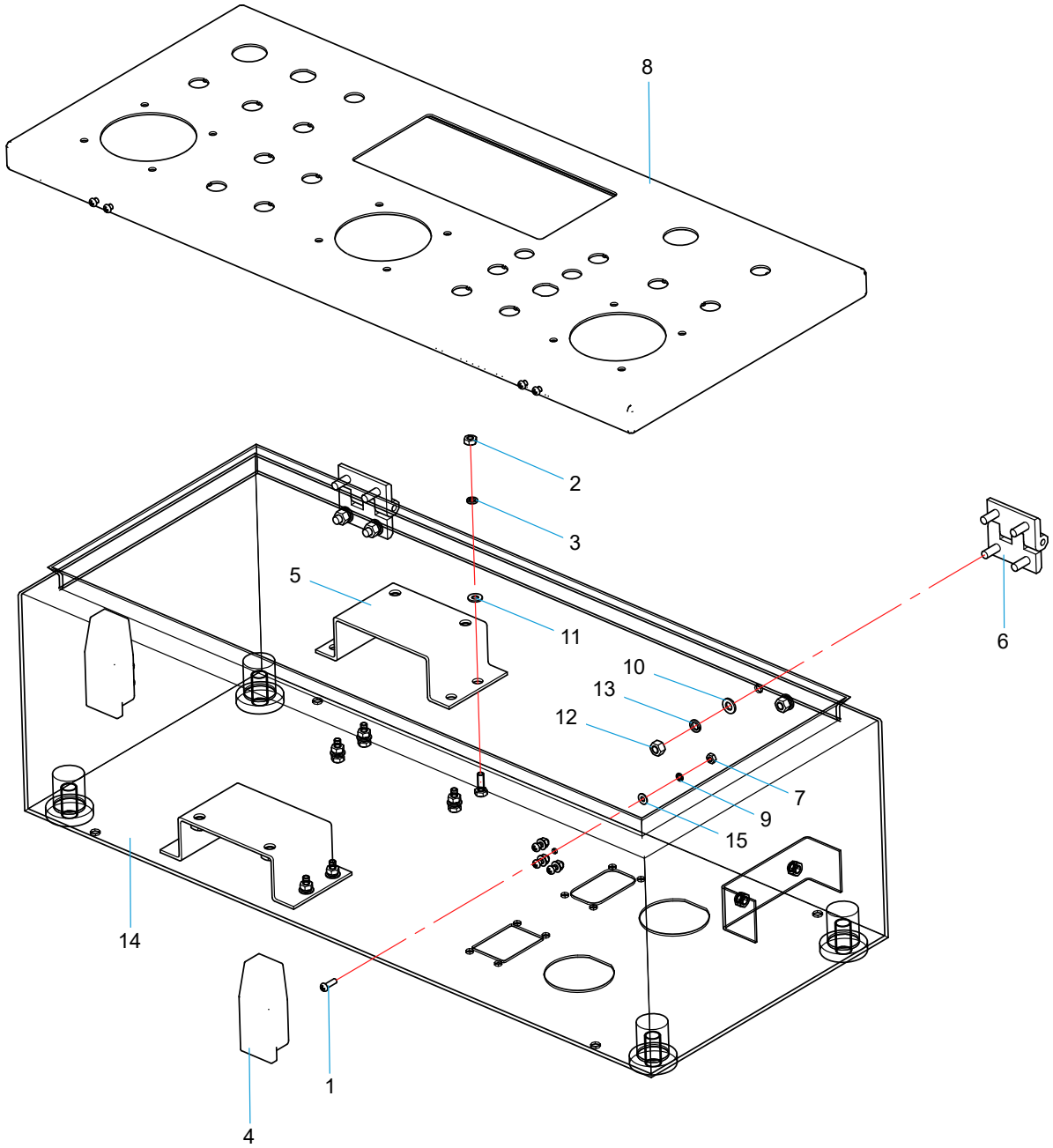
7.4.22 PLATFORM CONTROLLER ASSEMBLY (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

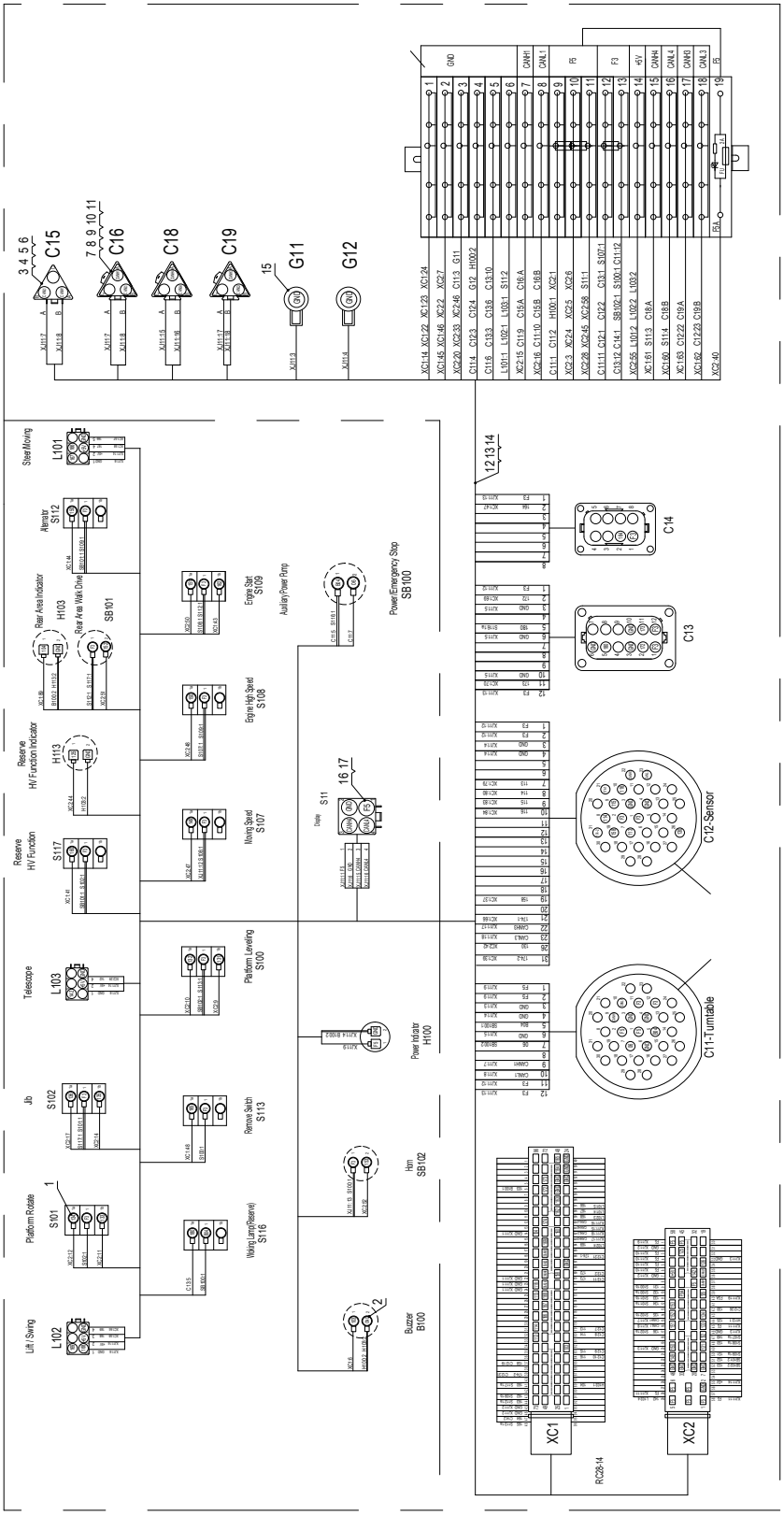
No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

7.4.23 PLATFORM CONTROLLER(PN.105050063019)



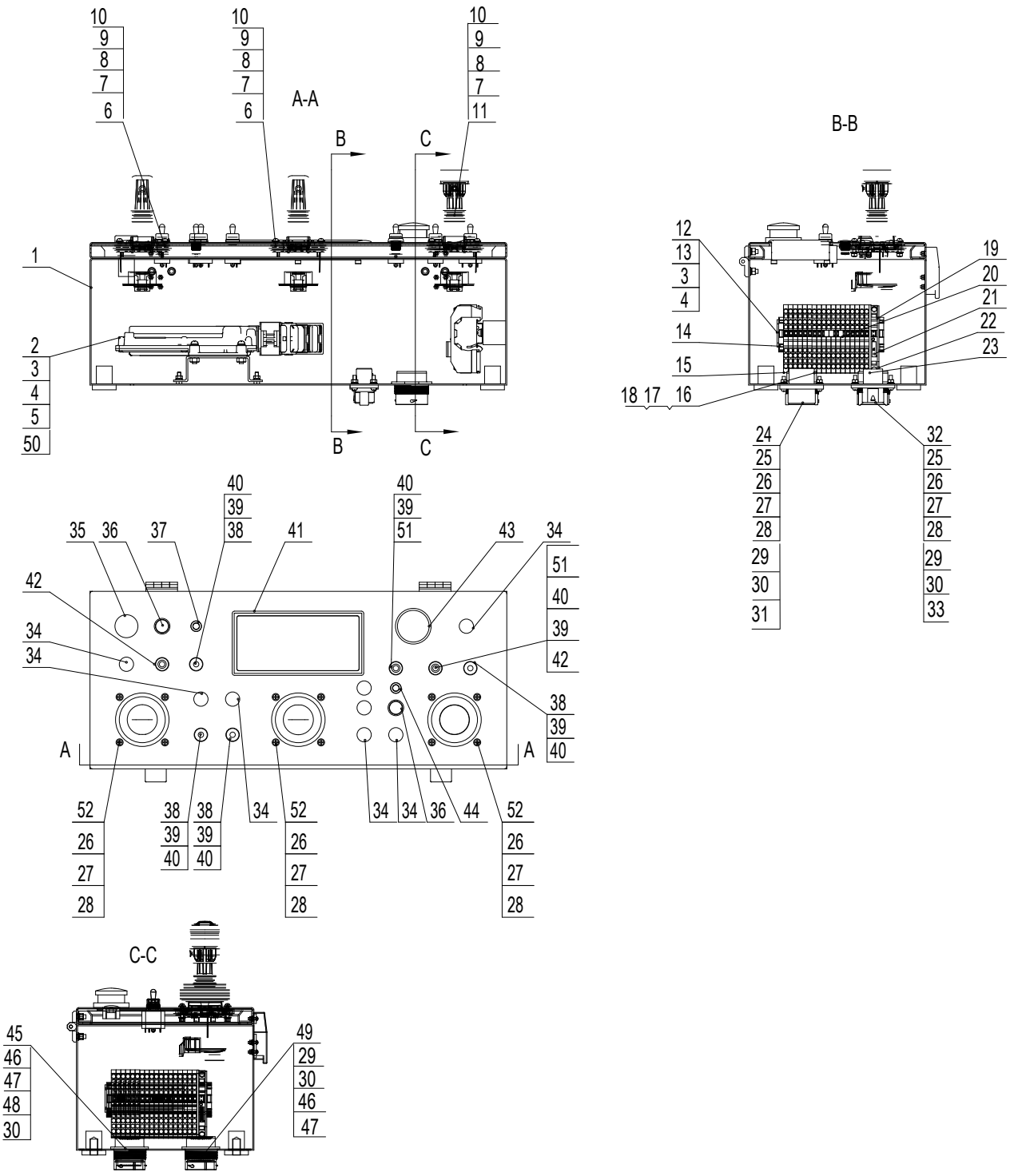
No.	Part No.	Qty.	Description
1	215020000100	12	Screw M3×10-A2-70 GB/T 818
2	215030000002	8	Nut M4-8-A2-70 GB/T 6170
3	215040000002	8	Washer 4-A2-70 GB/T 93
4	203060000025	2	Latch
5	103006060005	2	Holder assembly
6	209050000022	2	Hinge
7	215030000001	12	Nut M3-A2-70 GB/T 6170
8	105050063017	1	Platform controller panel assembly
9	215040000001	12	Washer 3-A2-70 GB/T 93
10	215040000032	8	Washer 5-A2 GB/T 97.1
11	215040000031	8	Washer 4-A2 GB/T 97.1
12	215030000003	8	Nut M5-A2-70 GB/T 6170
13	215040000003	8	Washer 5-A2-70 GB/T 93
14	103006060002	1	ASSY, base (control box, platform)
15	215040000030	12	Washer 3-A2 GB/T 97.1

7.4.24 PLATFORM CONTROLLER WIRING DIAGRAM (PN.105050063067)



No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

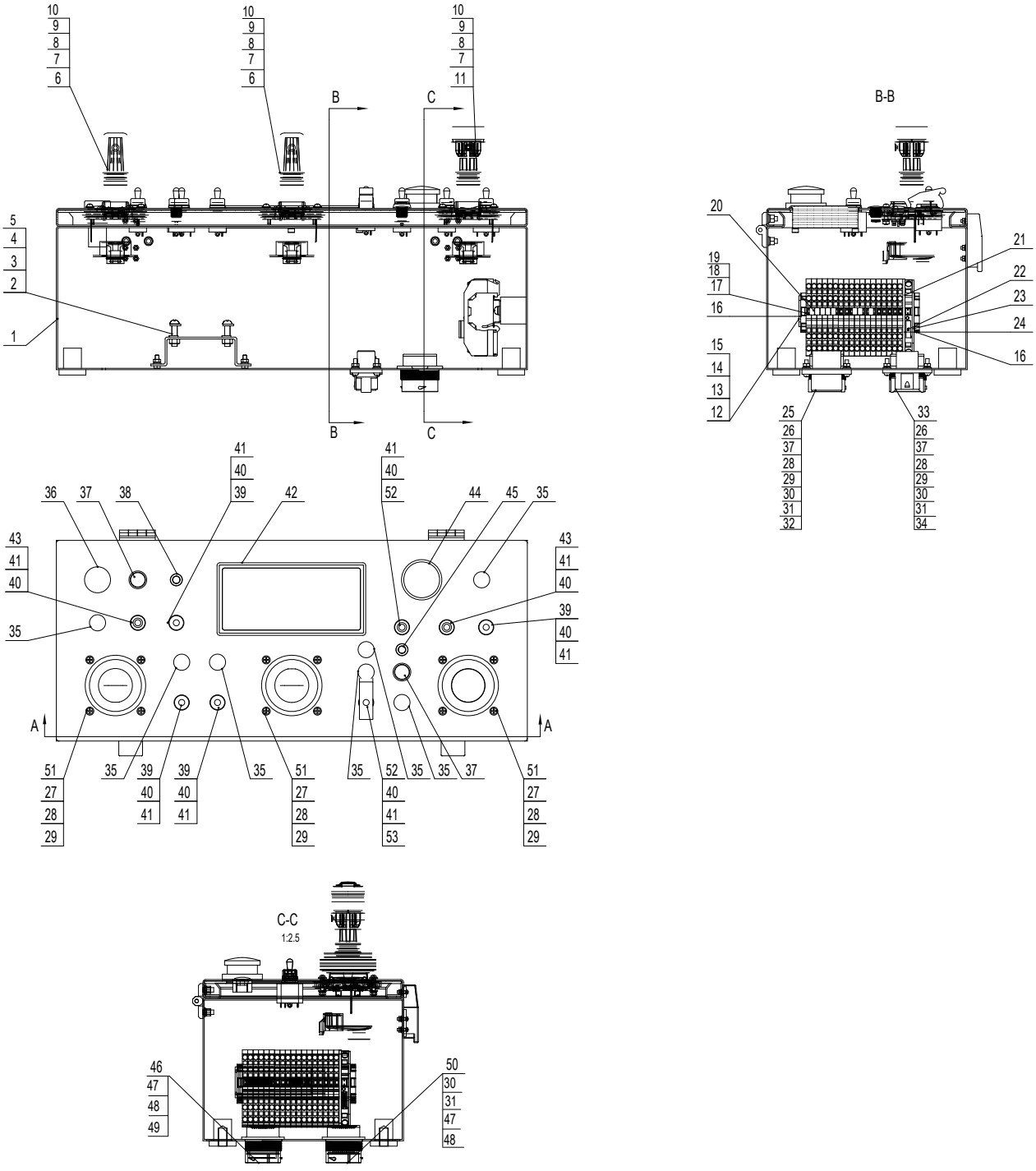
7.4.25 PLATFORM CONTROLLER ASSEMBLY (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

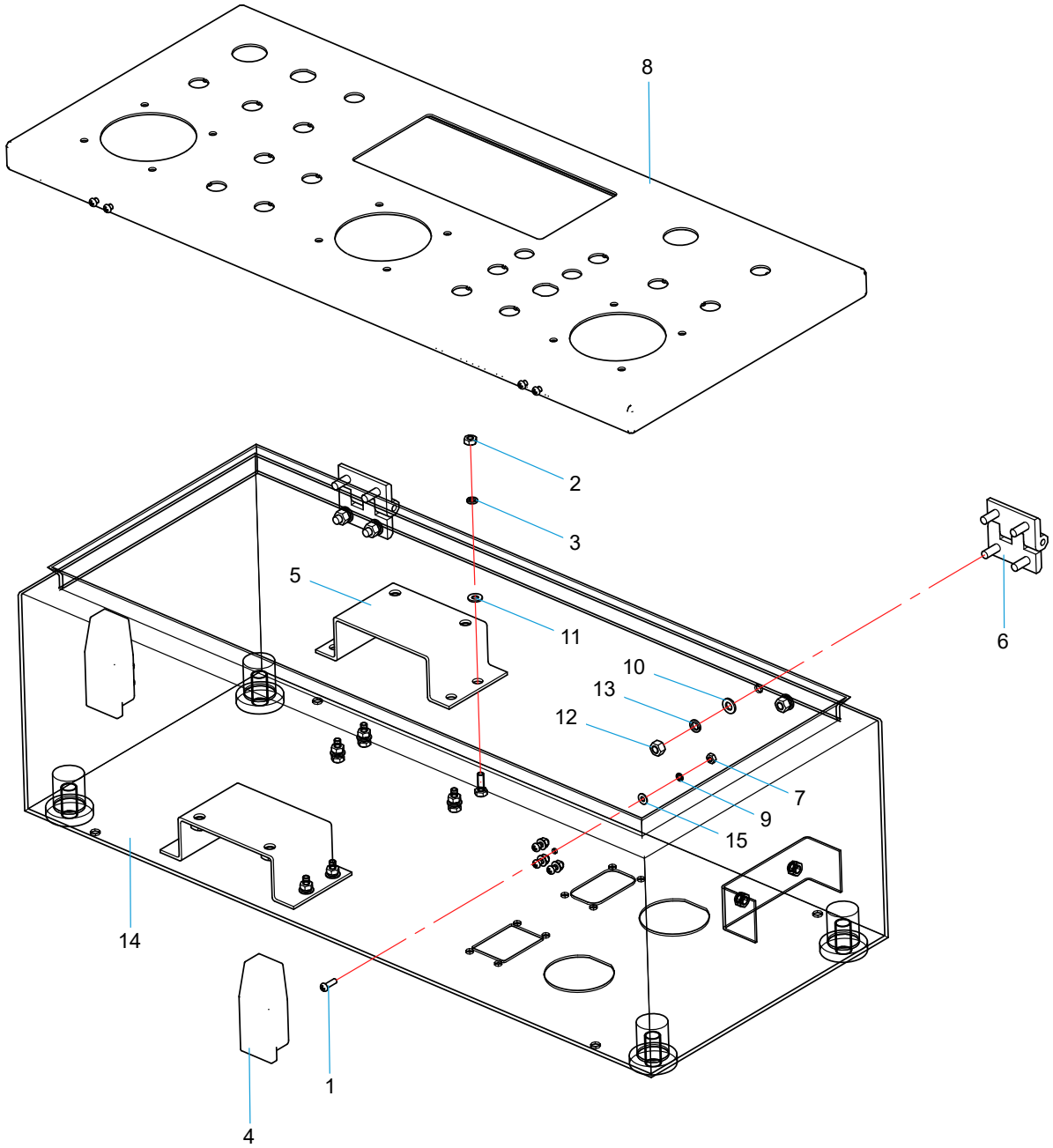
7.4.26 PLATFORM CONTROLLER ASSEMBLY (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

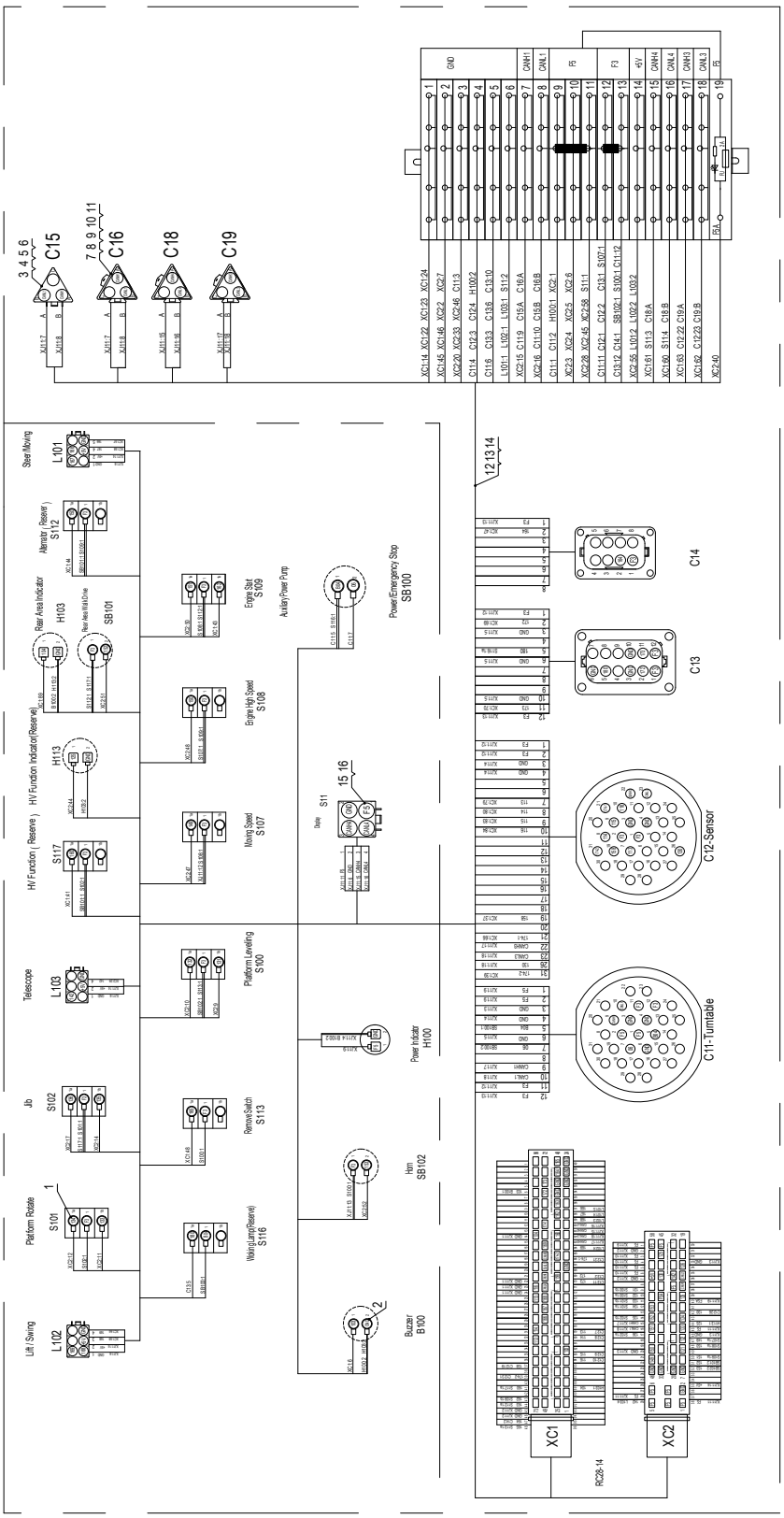
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.4.27 PLATFORM CONTROLLER(PN.105050063019)



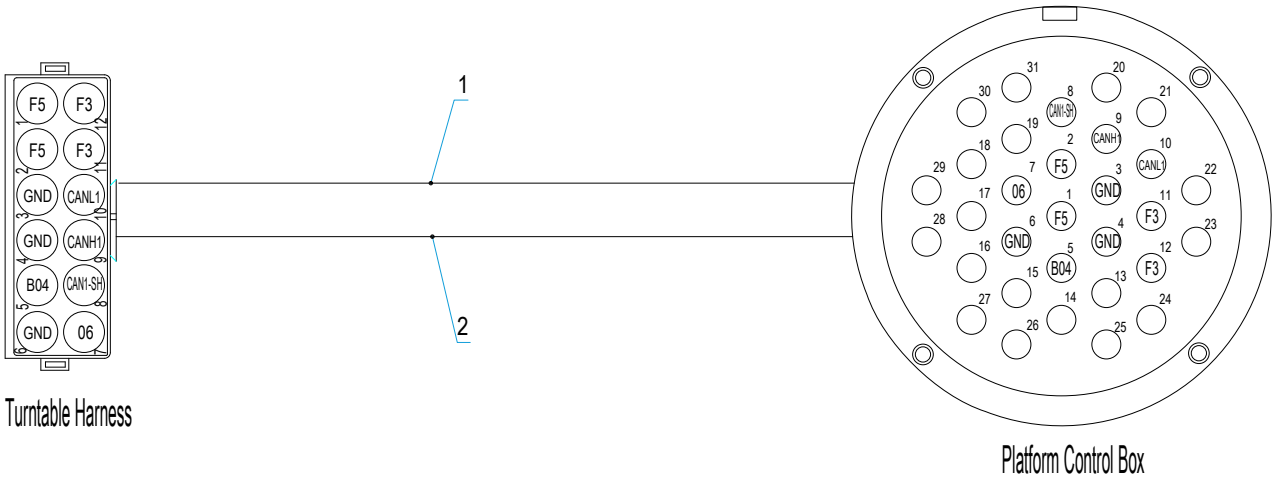
No.	Part No.	Qty.	Description
1	215020000100	12	Screw M3×10-A2-70 GB/T 818
2	215030000002	8	Nut M4-8-A2-70 GB/T 6170
3	215040000002	8	Washer 4-A2-70 GB/T 93
4	203060000025	2	Latch
5	103006060005	2	Holder assembly
6	209050000022	2	Hinge
7	215030000001	12	Nut M3-A2-70 GB/T 6170
8	105050063017	1	Platform controller panel assembly
9	215040000001	12	Washer 3-A2-70 GB/T 93
10	215040000032	8	Washer 5-A2 GB/T 97.1
11	215040000031	8	Washer 4-A2 GB/T 97.1
12	215030000003	8	Nut M5-A2-70 GB/T 6170
13	215040000003	8	Washer 5-A2-70 GB/T 93
14	103006060002	1	ASSY, base (control box, platform)
15	215040000030	12	Washer 3-A2 GB/T 97.1

7.4.28 PLATFORM CONTROLLER WIRING DIAGRAM (PN.105050063026)



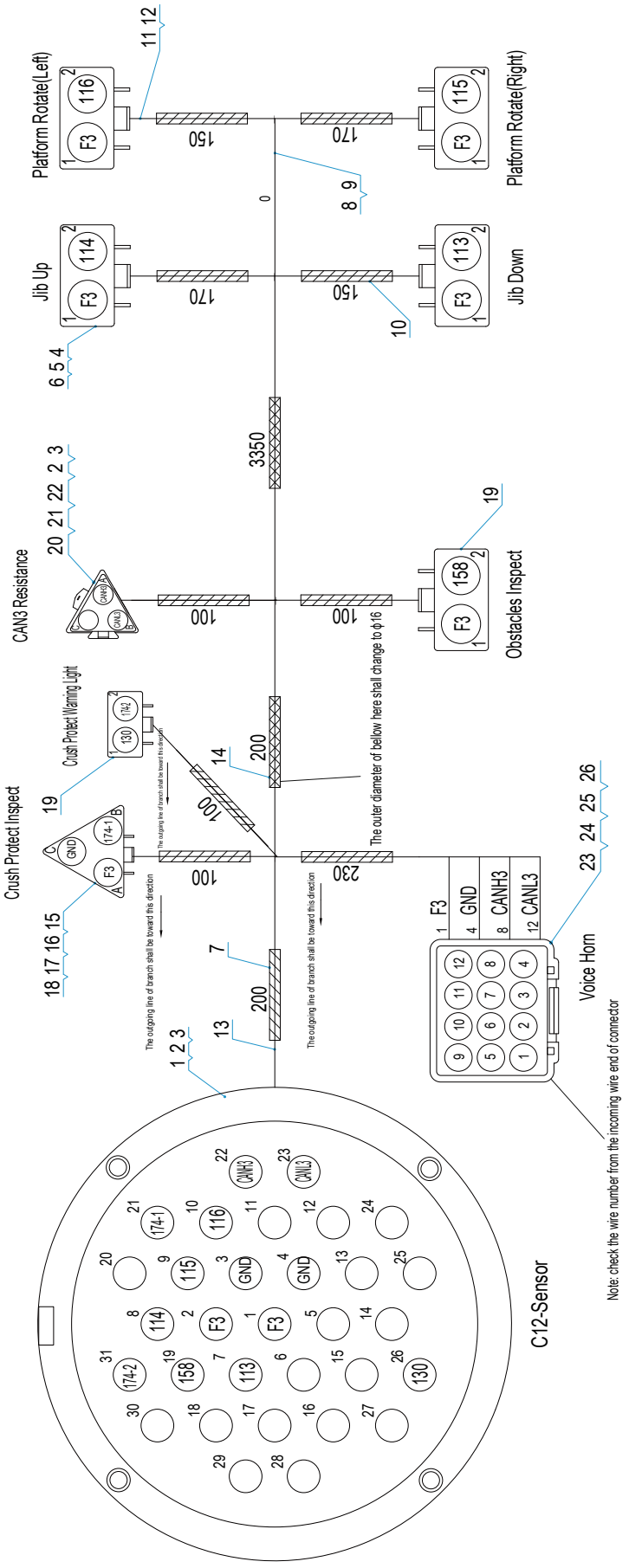
No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.4.29 CABLE TRACK DIAGRAM (PN.114002063018)



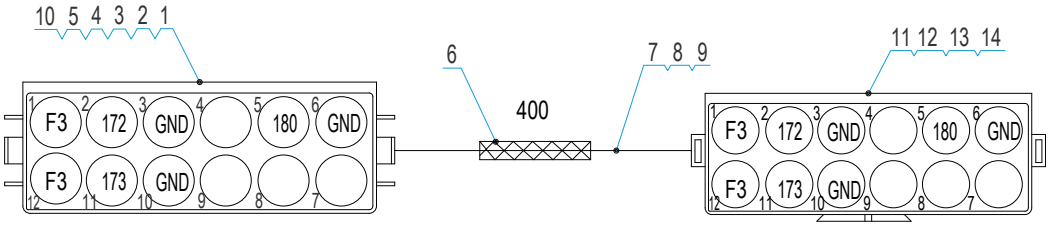
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.4.30 WIRING HARNESS, PLATFORM(PN.105050063001)



No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

7.4.31 PLATFORM HARNESS (PN.103006063009)

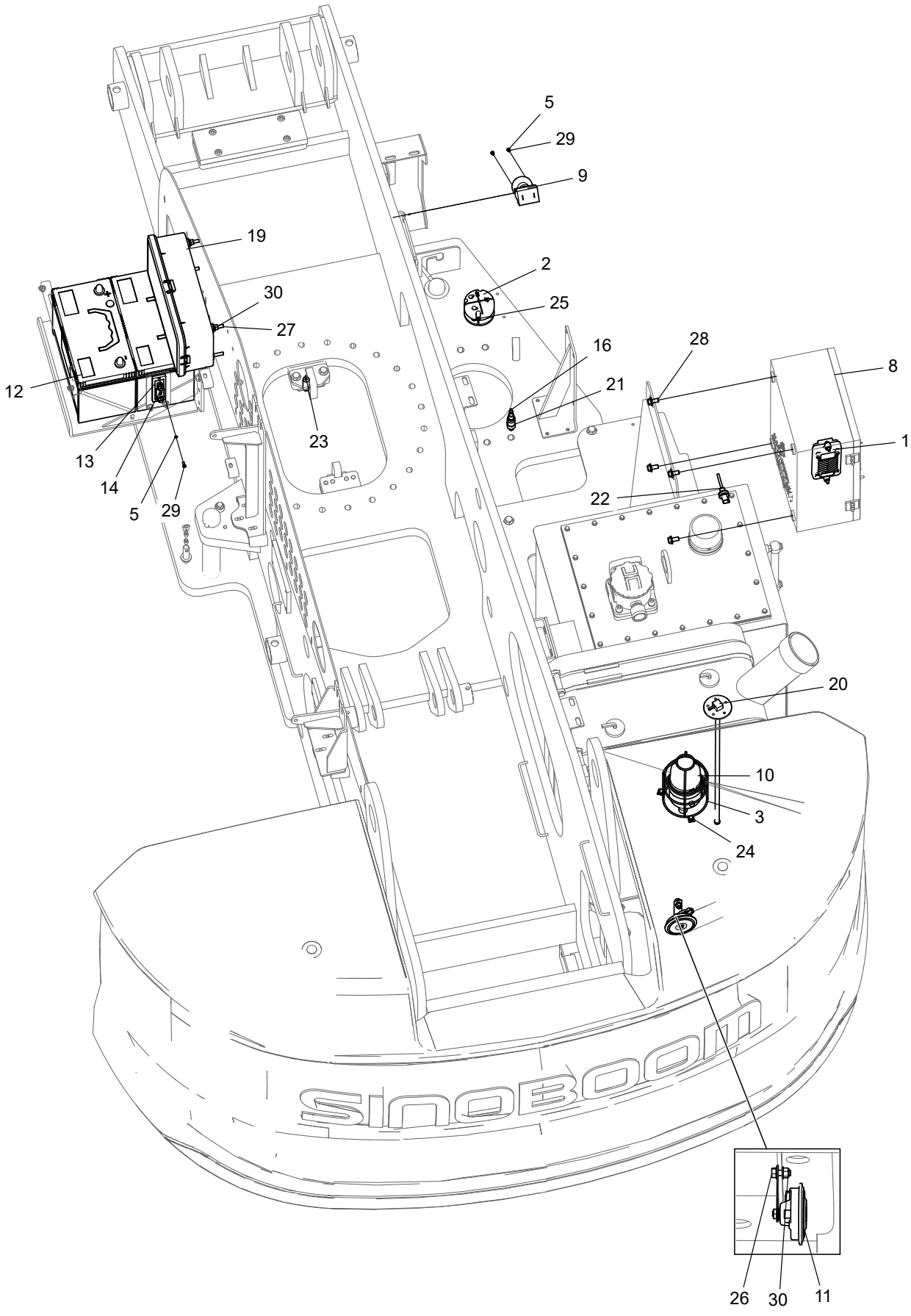


No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

7.5 ELECTRICAL SYSTEM (YUCHAI YCF3050/CHINA T4,THREADED CARTRIDGE VALVE)

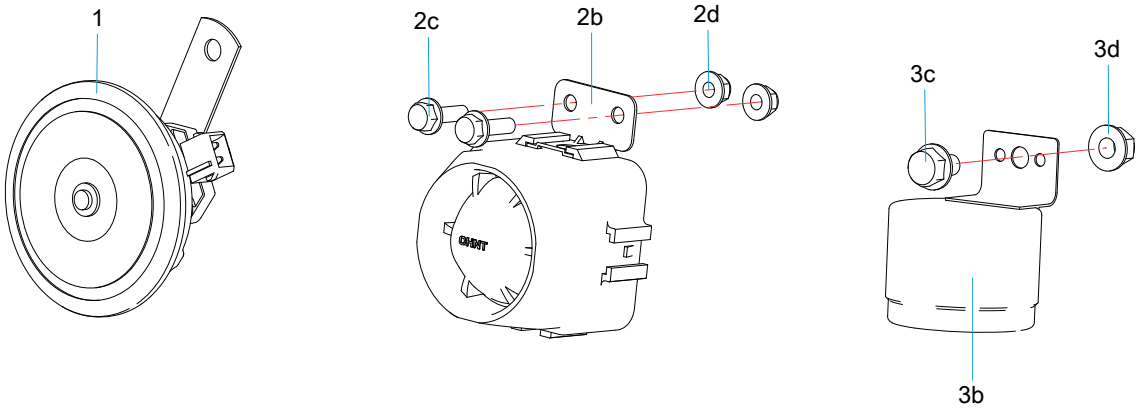
7.5.1 TURNTABLE ELECTRICAL SYSTEM

7.5.1.1 Turntable Electrical Components Installation



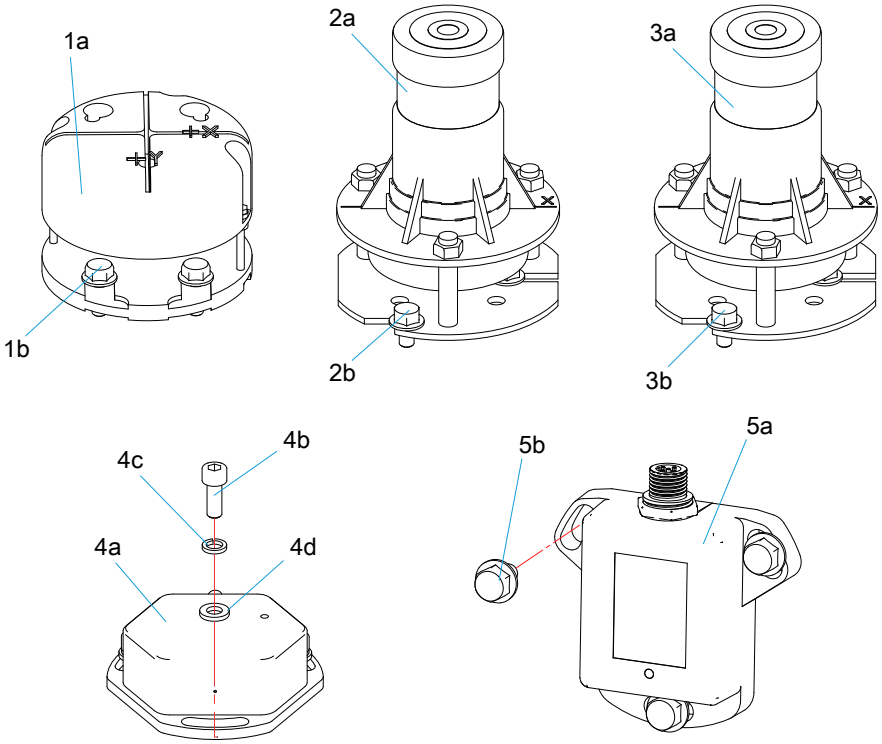
No.	Part No.	Qty.	Description
1	103006063020	1	Options, GPS installation
2	103008063058	1	Options, Level sensor installation
3	105021060024	1	Guard, light (warning)
4	105031060019	1	Turntable Sensors Harness(Not shown)
5	215040000003	4	Washer 5-A2-70 GB/T 93
6	105064063100	1	Electrical power wiring layout(Not shown)
7	105068063053	1	Wiring harness, turntable(Not shown)
8	105068063058	1	Ground controller assembly
9	114004063040		Power switch option
9-1	203060000024	1	Power switch(1000110)
9-2	203060003167	1	Power switch(1000200)
10	114012063080		Caution light option
10-1	203050003017	1	Caution light(Fixed volume)
10-2	203050003057	1	Caution light(Volume adjustable)
11	114012063086	1	Horn option
12	114015063057	2	Maintenance-free battery options
12-1	203100000061	1	Maintenance-free battery(110Ah)
12-2	203100003158	1	Maintenance-free battery(100Ah)
13	203070000056	1	Fuse holder
14	203070003009	1	Fuse
15	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
16	203080003094	1	Plug with cable
17	203100000051	2	Sheath, flexible (L, black)(Not shown)
18	203100000053	2	Sheath, flexible (L, red)(Not shown)
19	203100003050	1	Power switch box
20	203150000006	1	Single-tube level sensor
21	203150000055	1	Sensor, pressure
22	203150000072	1	Temperature sensor
23	203150003010	1	Proximity switch
24	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
25	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
26	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
27	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
28	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
29	215020000110	4	Screw M5×12-A2-70 GB/T 818
30	215030000108	4	Nut M8-8-ZnD GB/T 6183.1

7.5.1.2 Horn option



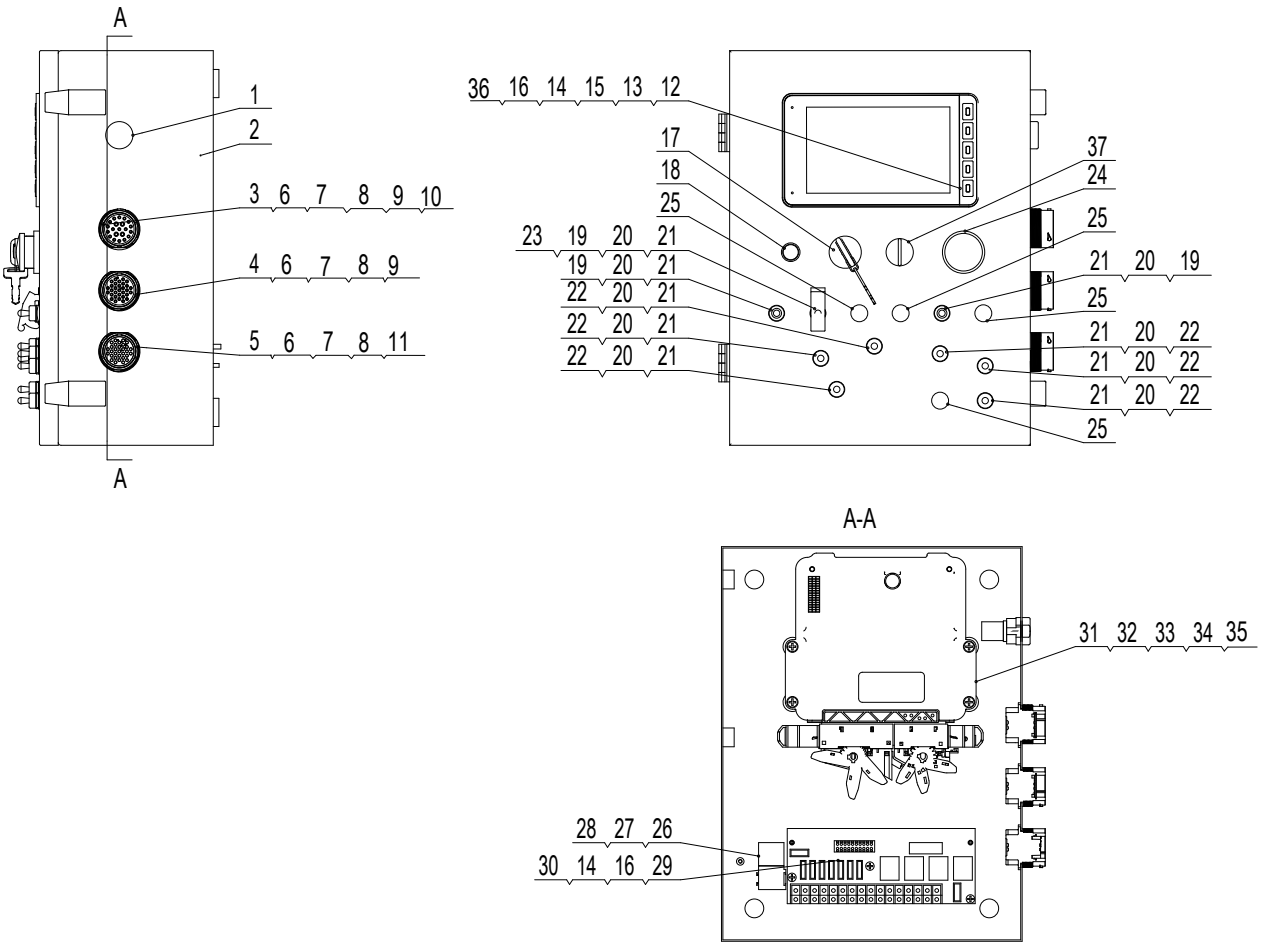
No.	Part No.	Qty.	Description
1	203050000034	1	Horn(Standard configuration)
2	114006063072		White noise horn installation(Australian specs)
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
3	103009063115		INST, buzzer(Thailand specs)
3a	104019063067	1	Cable, adapter (warning light)(Not shown)
3b	203050000002	1	Reverse buzzer
3c	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
3d	215030000108	1	Nut M8-8-ZnD GB/T 6183.1

7.5.1.3 Level Sensor Options



No.	Part No.	Qty.	Description
1	114015063090		INST, switch (level)
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		INST, switch (level)
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		INST, switch (level)
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		INST, sensor (level)
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1
5	114015063104	1	INST, sensor (level)
5a	203150003084	1	Angle sensor
5b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

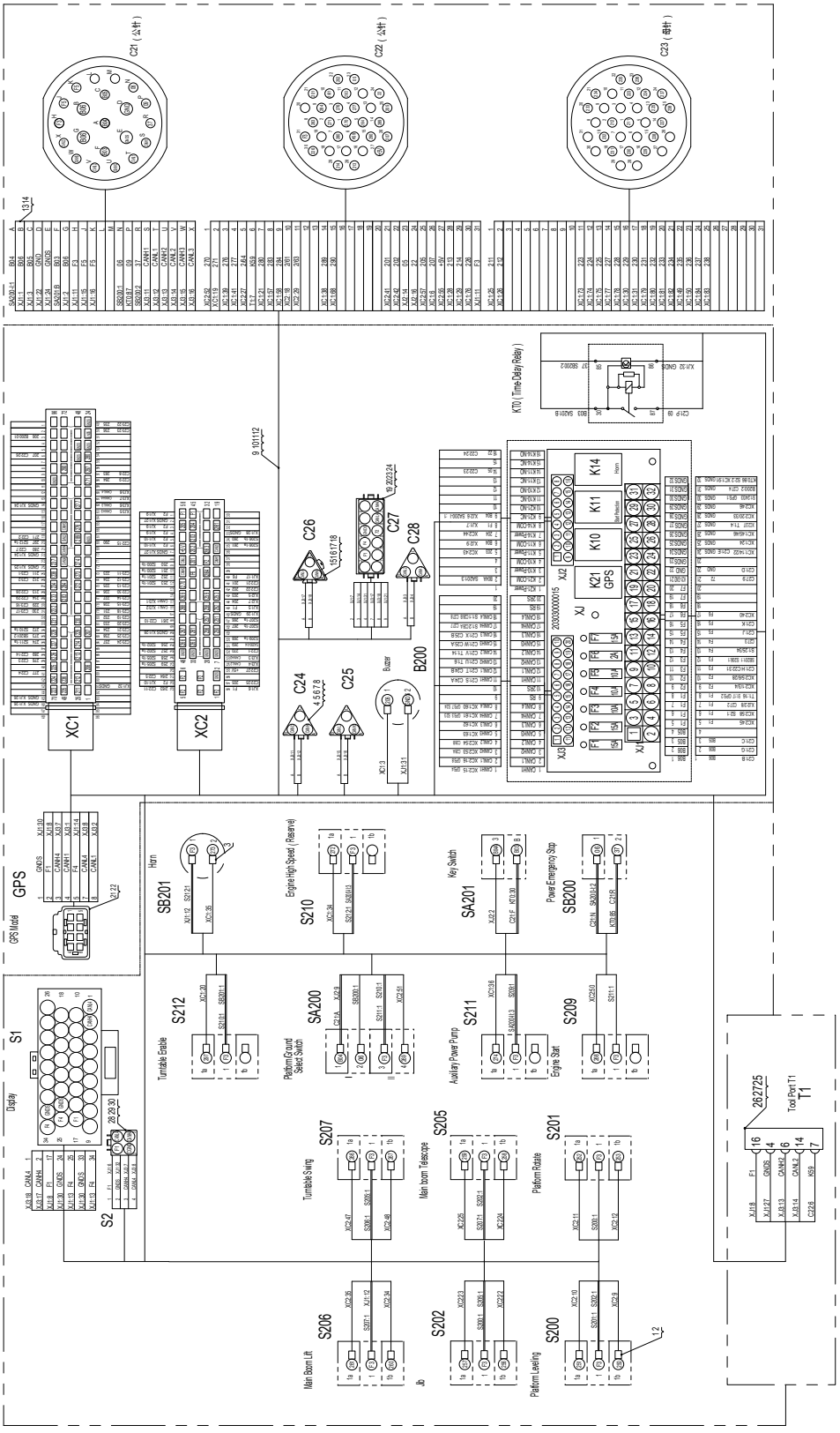
7.5.1.4 Turntable Controller Assembly (PN.105068063058)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	20	Blind plug
9	203080000033	40	Male connector
10	203060000103	4	#12 male connector
11	203080000041	19	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215020000109	4	Screw M5×10-A2-70 GB/T 818
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000101	9	Waterproof cap
21	203080000109	9	Nut
22	203060000003	6	Toggle switch
23	203060000150	1	Toggle switch guard
24	203060000142	1	Switch, emergency stop
25	105045060004	4	Controller plug
26	203040003005	1	Relay, time-delay
27	215040000002	1	Washer 4-A2-70 GB/T 93
28	215020000104	1	Screw M4×10-A2-70 GB/T 818
29	203030000015	1	Relay integration board
30	215020000110	5	Screw M5×12-A2-70 GB/T 818
31	203020000038	1	Controller
32	215040000033	4	Washer 6-A2 GB/T 97.1
33	215040000004	4	Washer 6-A2-70 GB/T 93
34	215020000118	4	Screw M6×25-A2-70 GB/T 818
35	203080000378	1	Connector, controller
36	203080003147	1	Connector assembly, SECD-7I0A
37	203060000029	1	Selector switch
38	105070063003	1	Surface film, control box (turntable)(Not shown)

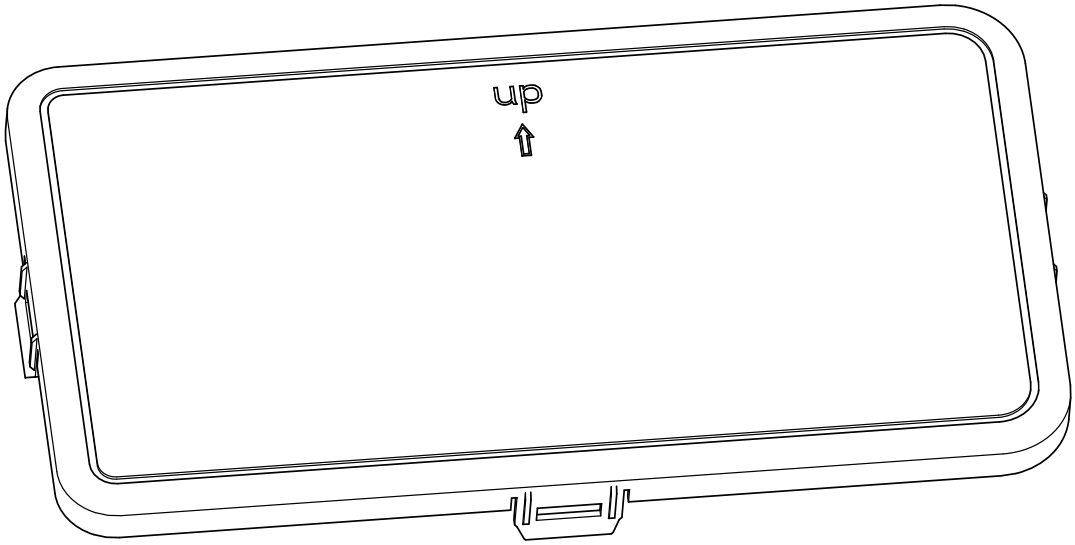
No.	Part No.	Qty.	Description
39	105068063054	1	Ground Control Box Harness(Not shown)
40	105025063005	1	PC film, control box (turntable)(Not shown)

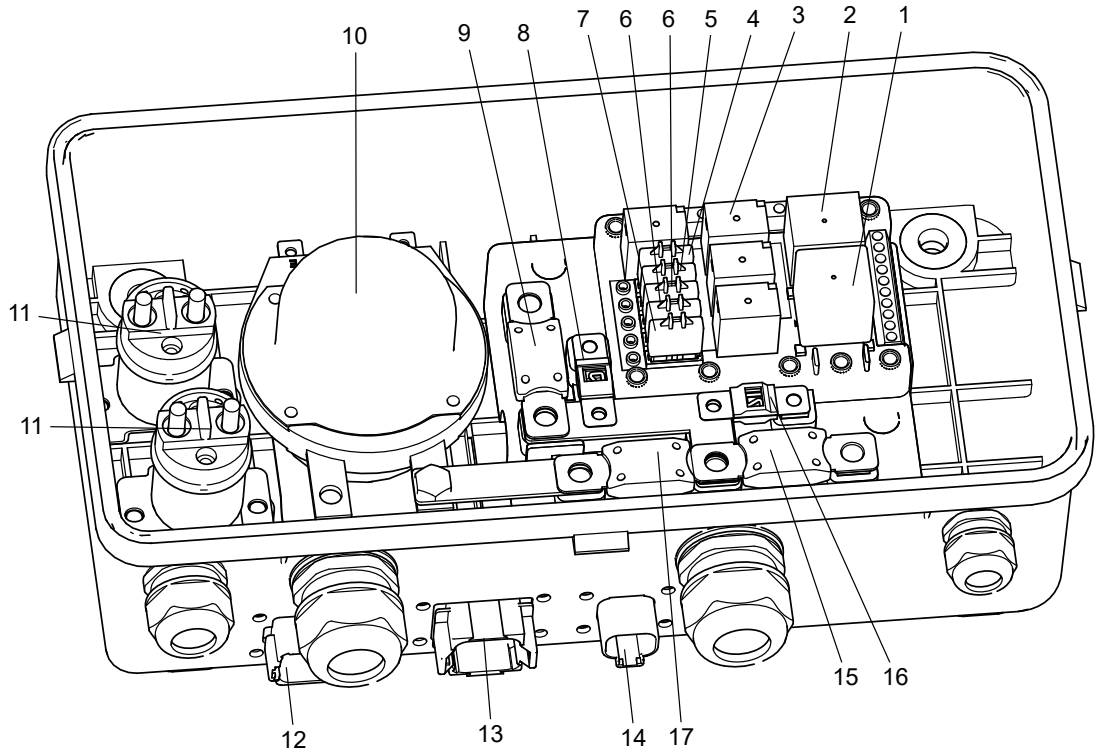
7.5.1.5 Turntable Controller Wiring Diagram (PN.105068063054)



No.	Part No.	Qty.	Description
	105068063054	1	Ground Control Box Harness
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000041	6	Female connector
5	203080000068	5	Blind plug
6	203080000032	3	Lock
7	203080000404	3	Sheath
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	20	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000405	2	Sheath
16	203080000046	2	Lock
17	203080000033	4	Male connector
18	203080000086	2	Connector
19	203080003532	1	Sheath
20	203080003533	1	Lock
21	203080003216	1	Sheath
22	203080003218	7	AMP terminal
23	203080003345	1	Connector
24	203080003346	7	Terminal
25	203080003427	1	Diagnostic hood
26	203060000085	6	#20 female terminal
27	203080000085	6	Blind plug
28	203080000044	1	Sheath
29	203080000020	1	Lock
30	203080000492	1	Waterproof cover

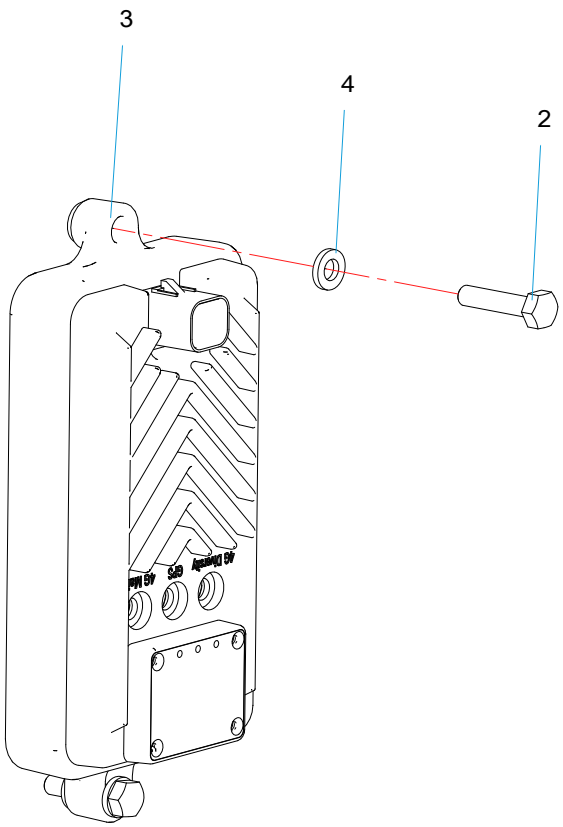
7.5.1.6 Power switch box(PN.203100003050)





No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.5.1.7 GPS Installation

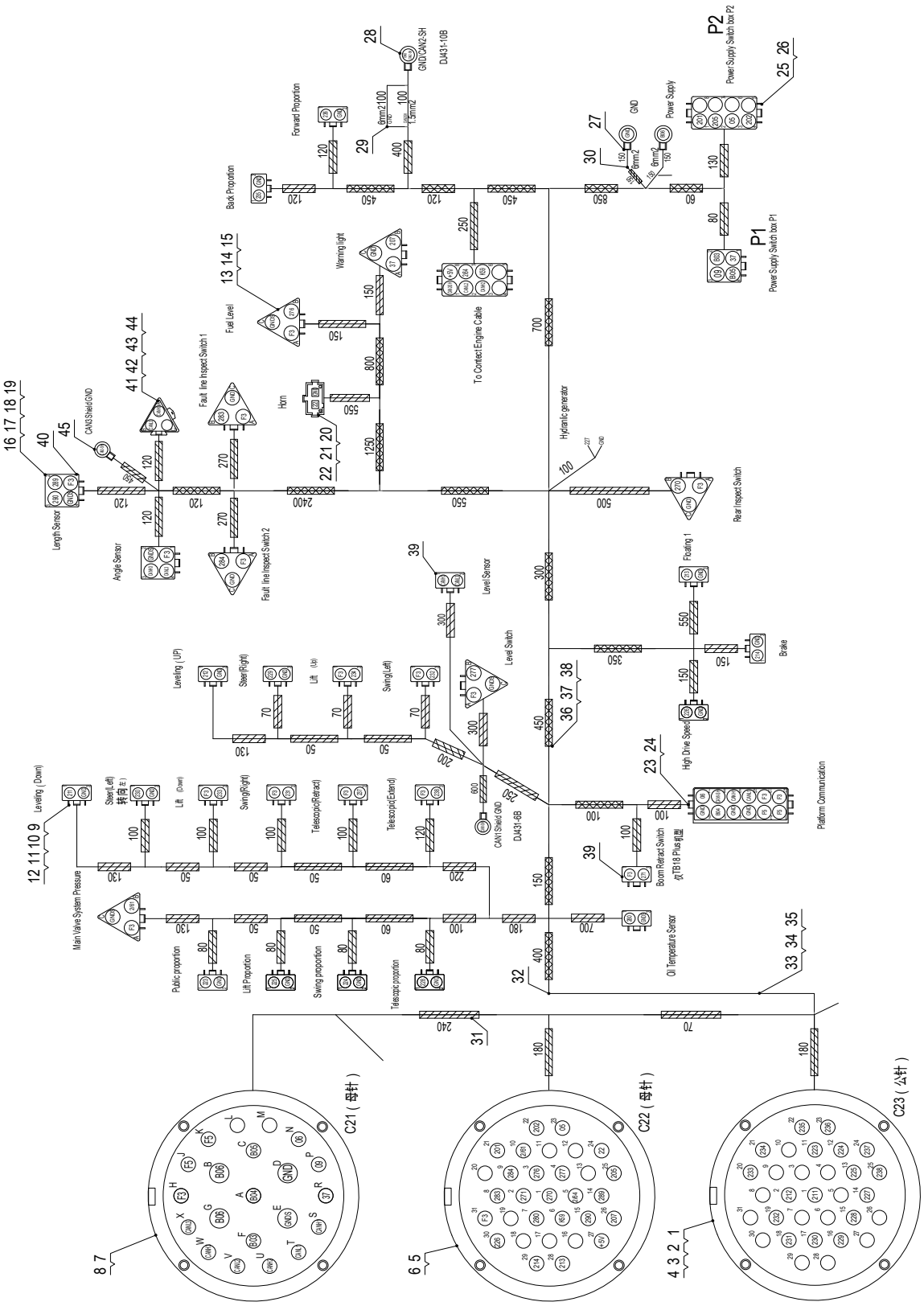


No.	Part No.	Qty.	Description
1	203150003022	1	GPS/LTE antenna(Not Shown)
2	215010003054	2	Nylon Bolt M6×25-4.8-PA66
3	203150003021	1	GPS module
4	215040003034	4	Nylon Washer 6-PA66

7.5.1.8 GPS Installation (Hornet Rentals)

No.	Part No.	Qty.	Description
1	105055063003	1	Cable, adapter (Huatie)
2	203990003077	1	Hornet T-BOX

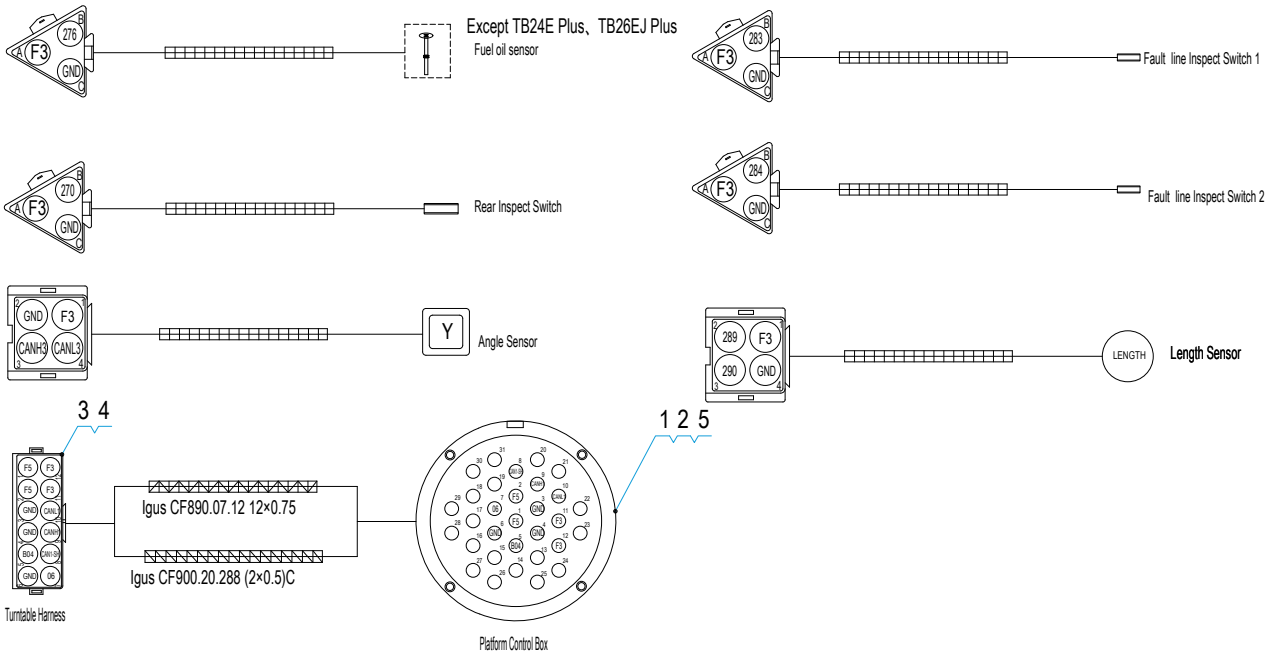
7.5.1.9 Turntable Harness (PN.105068063053)



No.	Part No.	Qty.	Description
	105068063053	1	Wiring harness, turntable
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	19	Male connector
4	203080000068	25	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	147	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000437	23	End attachments, 2-pin, female
12	203080000448	23	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	2	Sheath
17	203080000020	2	Lock
18	203080000445	2	End attachments, 4-pin, female
19	203080000446	2	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	1	Sheath
24	203080000159	1	Lock
25	203080000100	2	Connector
26	203080000112	2	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	3	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end

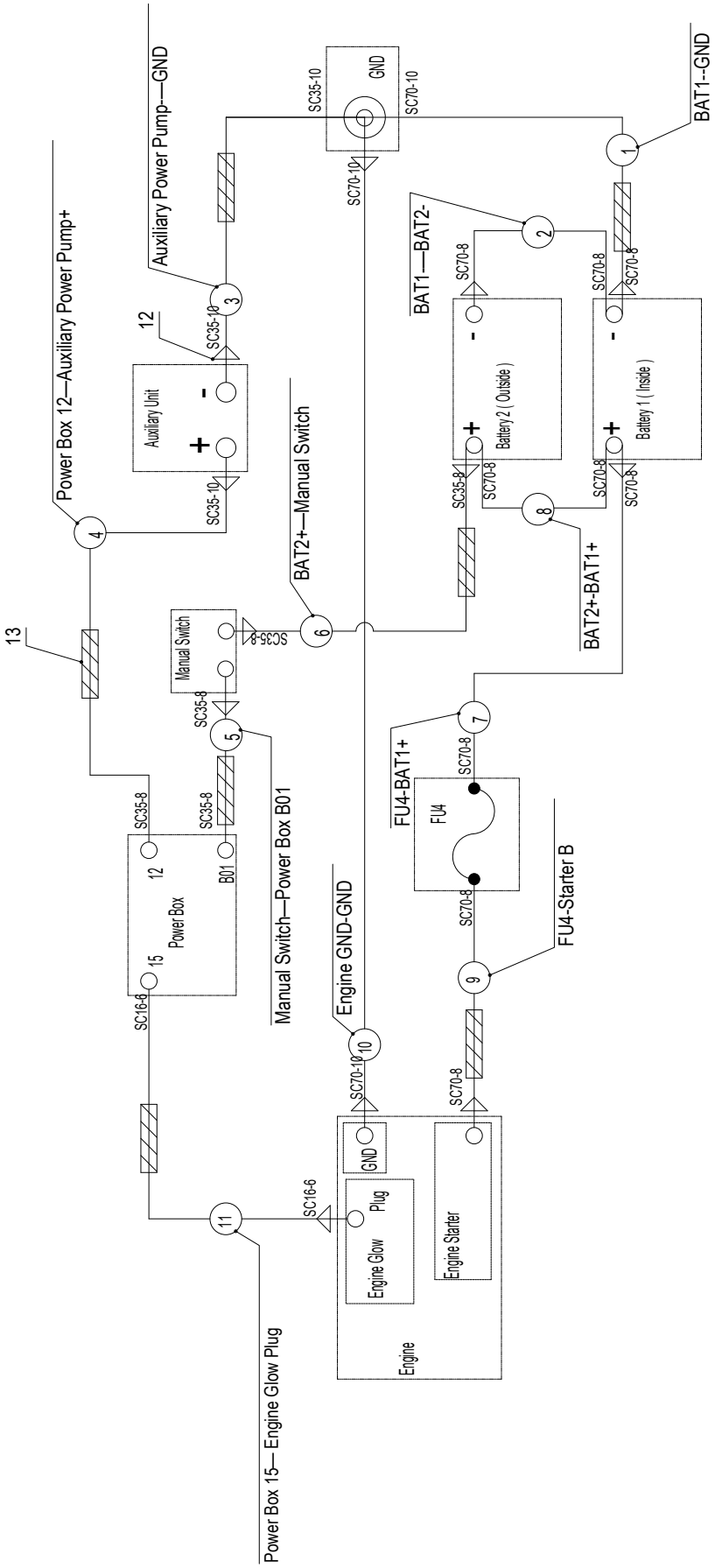
No.	Part No.	Qty.	Description
38	203080000037	2	Corrugated pipe
39	203080000474	3	Waterproof cover
40	203080000492	1	Waterproof cover
41	203080000405	1	Sheath
42	203080000046	1	Lock
43	203080000455	1	End attachments, 3-pin, male
44	203080000086	1	Connector
45	203080000133	2	Terminal, blade-hole type

7.5.1.10 Turntable Sensor Harness (PN.105031060019)



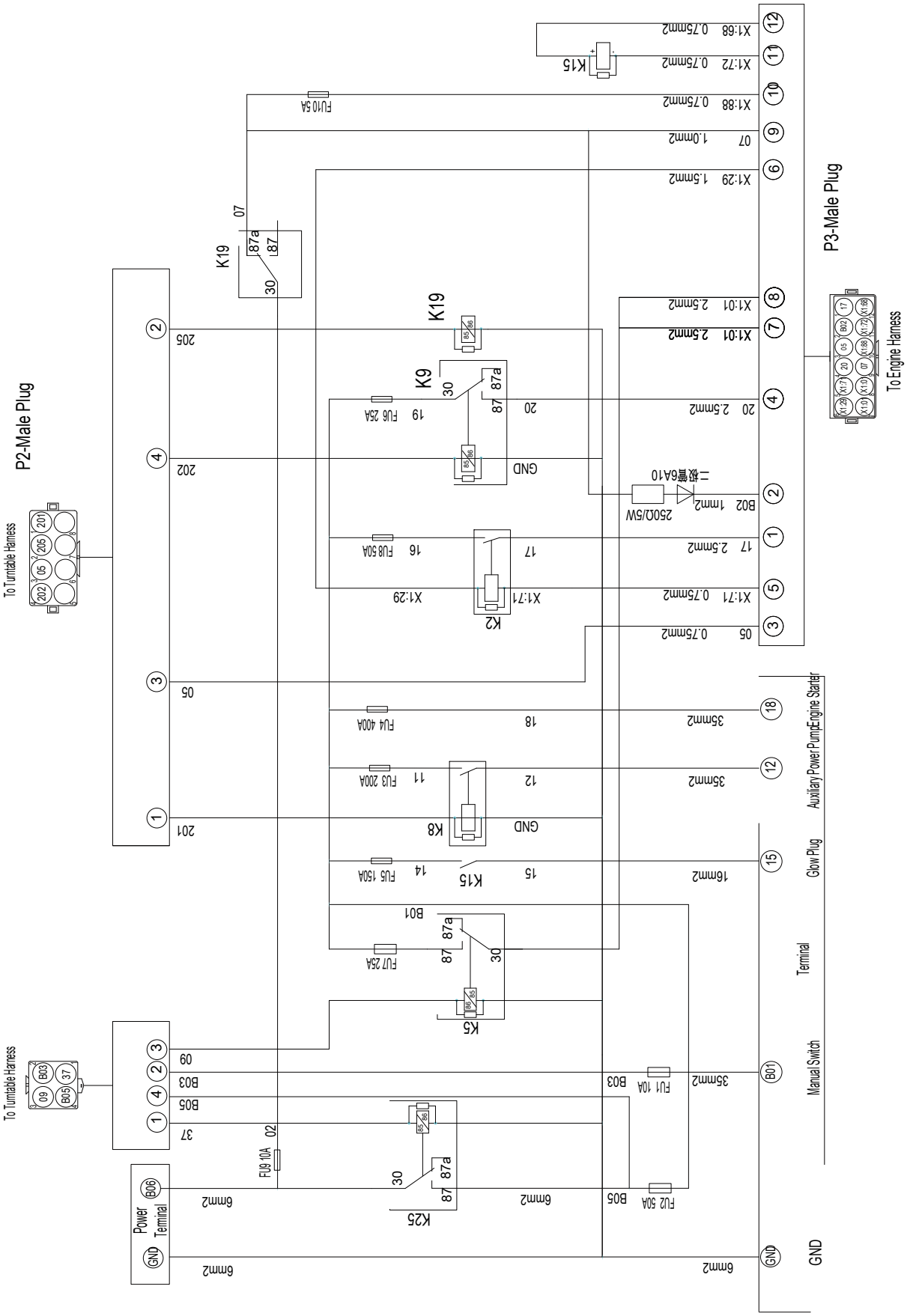
No.	Part No.	Qty.	Description
	105031060019	1	Turntable Sensors Harness
1	203080000520	1	31-pin female terminal sheath
2	203060000096	1	180 deg. end clip
3	203080000403	1	Sheath
4	203080000157	1	Lock
5	203080000068	19	Blind plug

7.5.1.11 Electrical Power Wiring Layout (PN.105064063100)



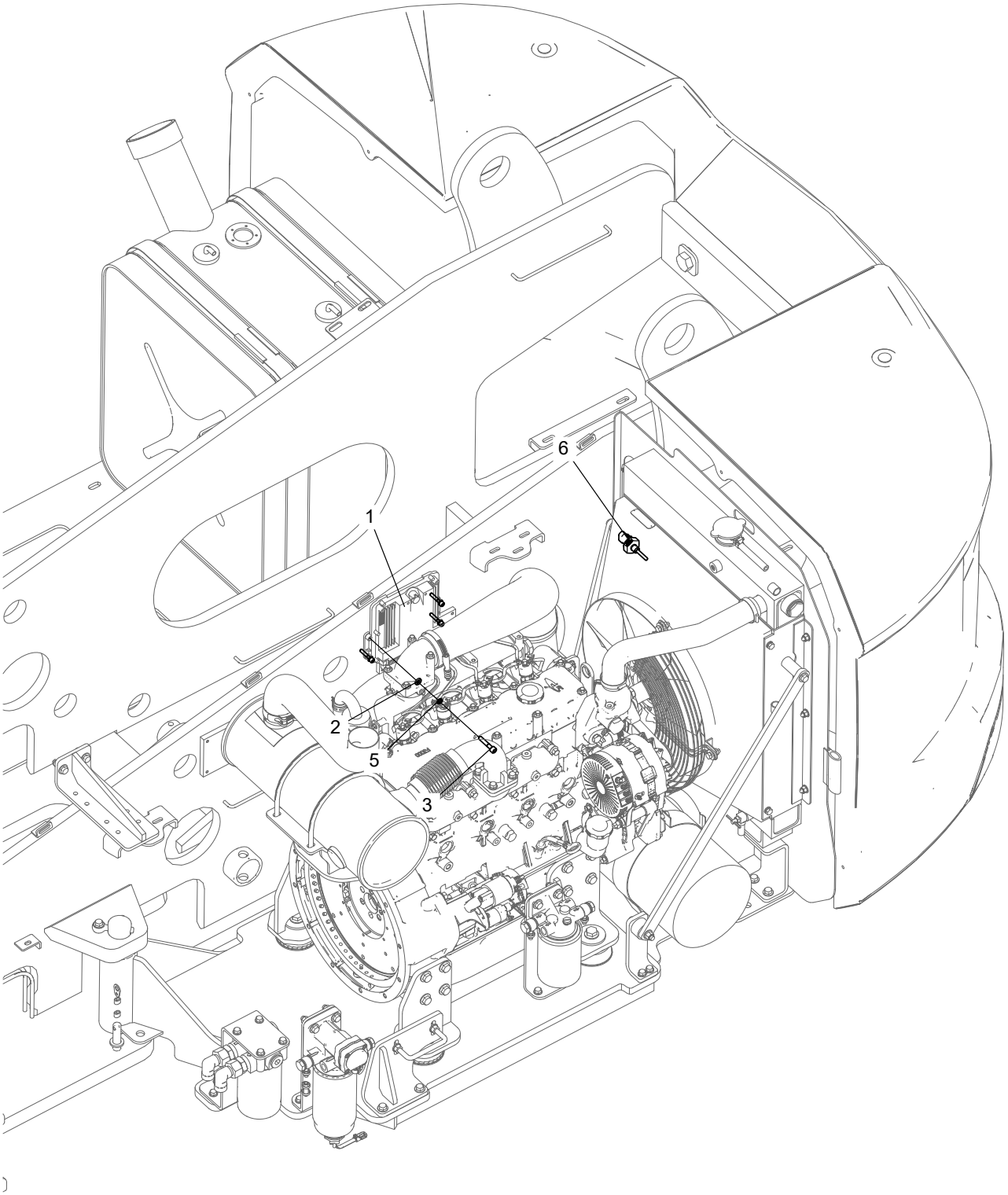
No.	Part No.	Qty.	Description
	105064063100	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000903	1	Power line
10	203230000876	1	Power line
11	203230000902	1	Power line
12	203080000004	12	PVC sheath
13	203080000422	16	Nylon hose, closed-end

7.5.1.12 Electrical Schematic of Power Switch Box (PN.105064063069)



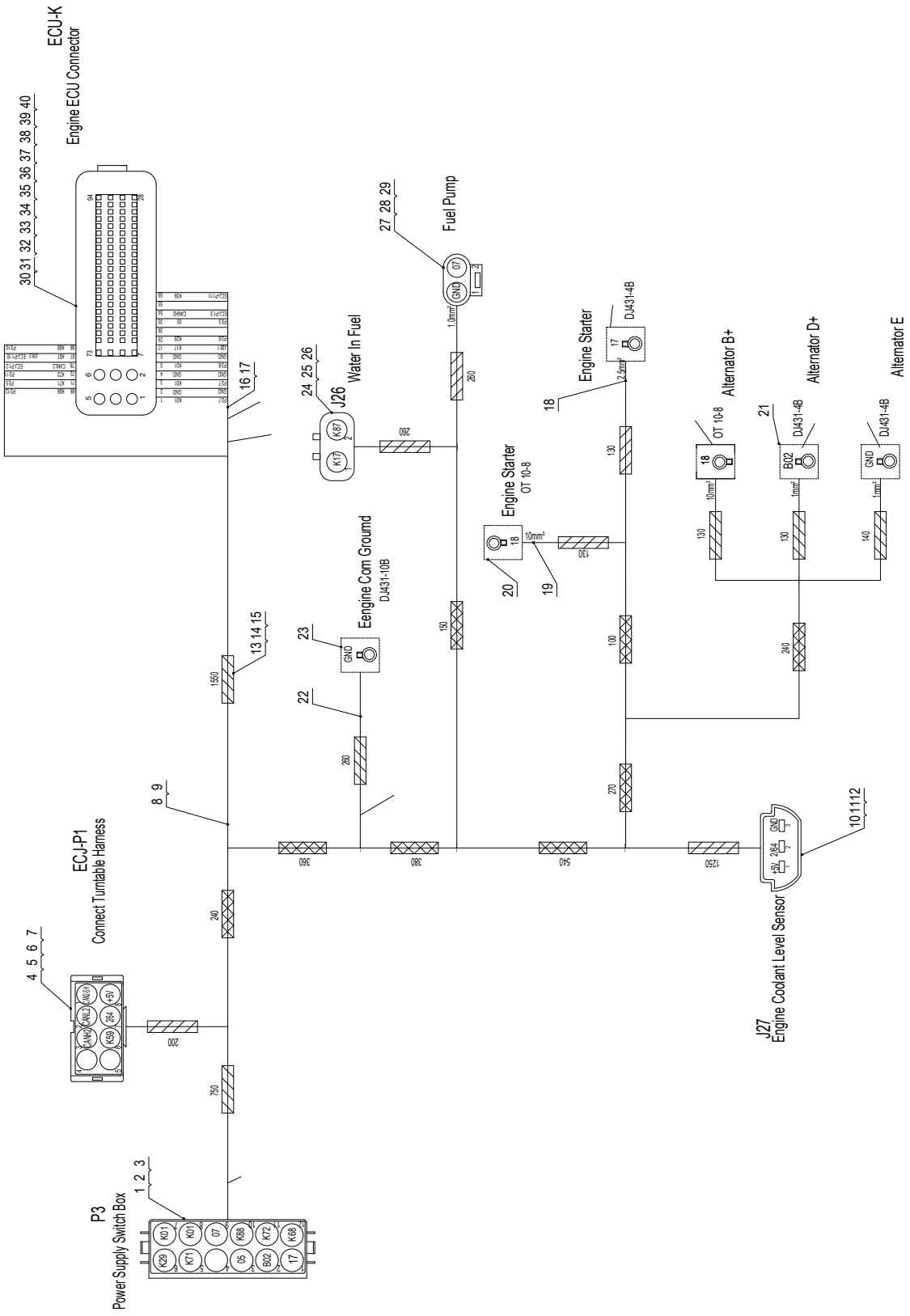
7.5.2 ENGINE ELECTRICAL SYSTEM

7.5.2.1 Engine Electrical Components Installation



No.	Part No.	Qty.	Description
1	203020003048	1	Controller
2	215040000033	4	Washer 6-A2 GB/T 97.1
3	215020000015	4	Screw M6×35-A2-70 GB/T 70.1
4	105068063055	1	Wiring harness,YUCHAI engine(Not shown)
5	215040000004	4	Washer 6-A2-70 GB/T 93
6	203150003026	1	Liquid level sensor

7.5.2.2 Engine Harness (PN.105068063055)

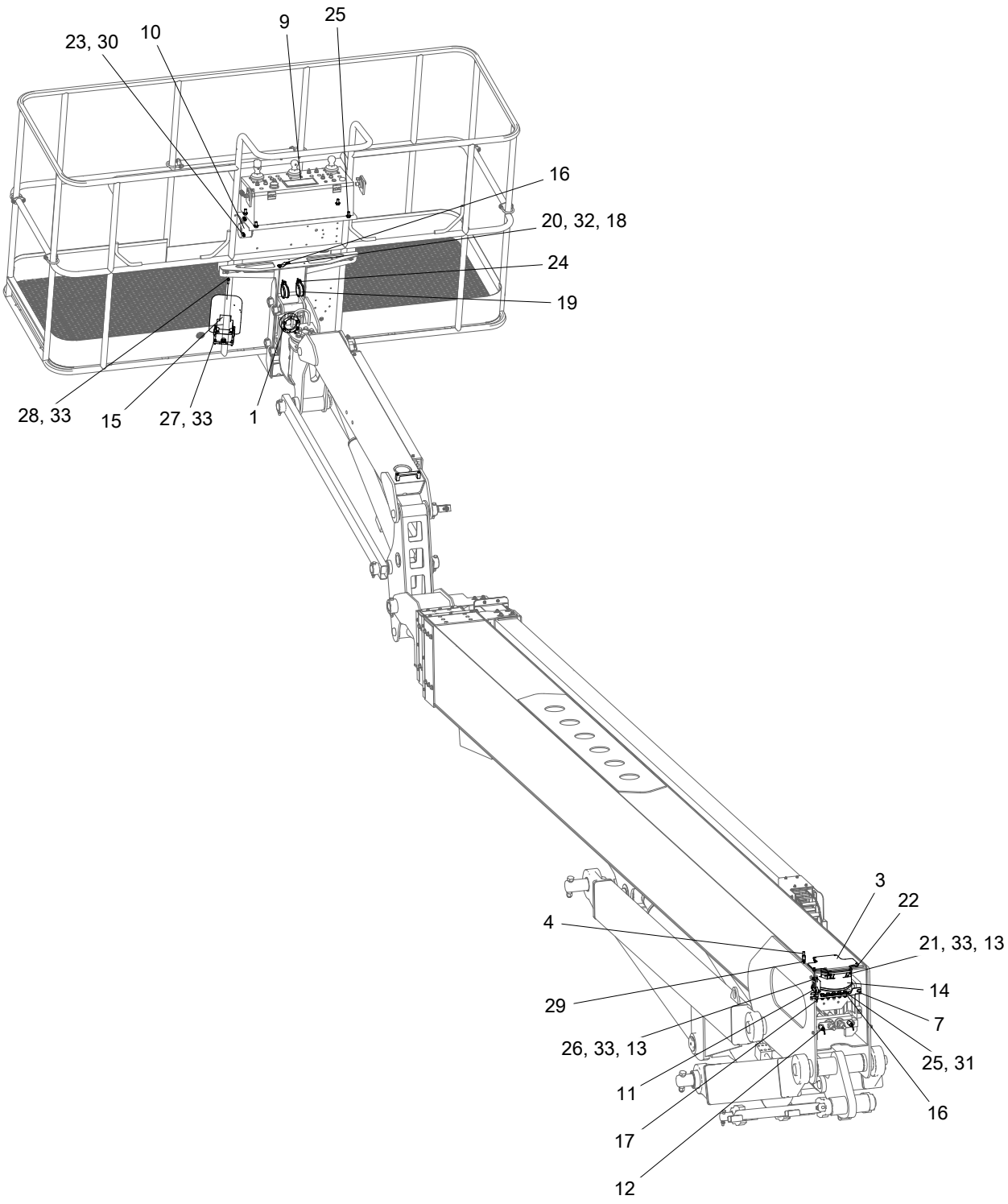


No.	Part No.	Qty.	Description
	105068063055	1	Wiring harness,YUCHAI engine
1	203080000414	1	Sheath
2	203080000159	1	Lock
3	203080000041	11	Female connector
4	203080000413	1	Sheath
5	203080000126	1	Lock
6	203080000033	6	Male connector
7	203080000068	3	Blind plug
8	203080000375	26	Cable
9	203080000370	4	Cable
10	203080000331	1	Plug
11	203080000323	3	Pin
12	203080000332	1	Seal plug
13	203080000421	2	Nylon hose, closed-end
14	203080000422	4	Nylon hose, closed-end
15	203080000463	1	Nylon hose, closed-end
16	203080000369	6	Cable
17	203080000582	8	Wire
18	203080000366	2	Cable
19	203080000367	2	Cable
20	203080003457	2	Terminal, round top insulated
21	203080000039	2	Ring tongue terminal
22	203080000394	2	Wire
23	203080000124	1	Terminal, blade-hole type
24	203080003403	1	Connector
25	203080003402	2	Terminal
26	203080003404	1	Seal ring
27	203080000291	1	Sheath
28	203080000298	2	Terminal
29	203080003392	1	Waterproof hose
30	203080003414	1	Connector
31	203080003415	6	Terminal
32	203080003416	1	Terminal
33	203080003417	12	Terminal
34	203080003418	3	Blind plug
35	203080003422	1	Locking piece
36	203080003419	72	Blind plug
37	203080003420	1	Cover
38	203080003421	1	Locking piece

No.	Part No.	Qty.	Description
39	203080003423	1	Clip
40	203080003424	1	Cable tie

7.5.3 BOOM ELECTRICAL SYSTEM

7.5.3.1 Boom Electrical Components Installation

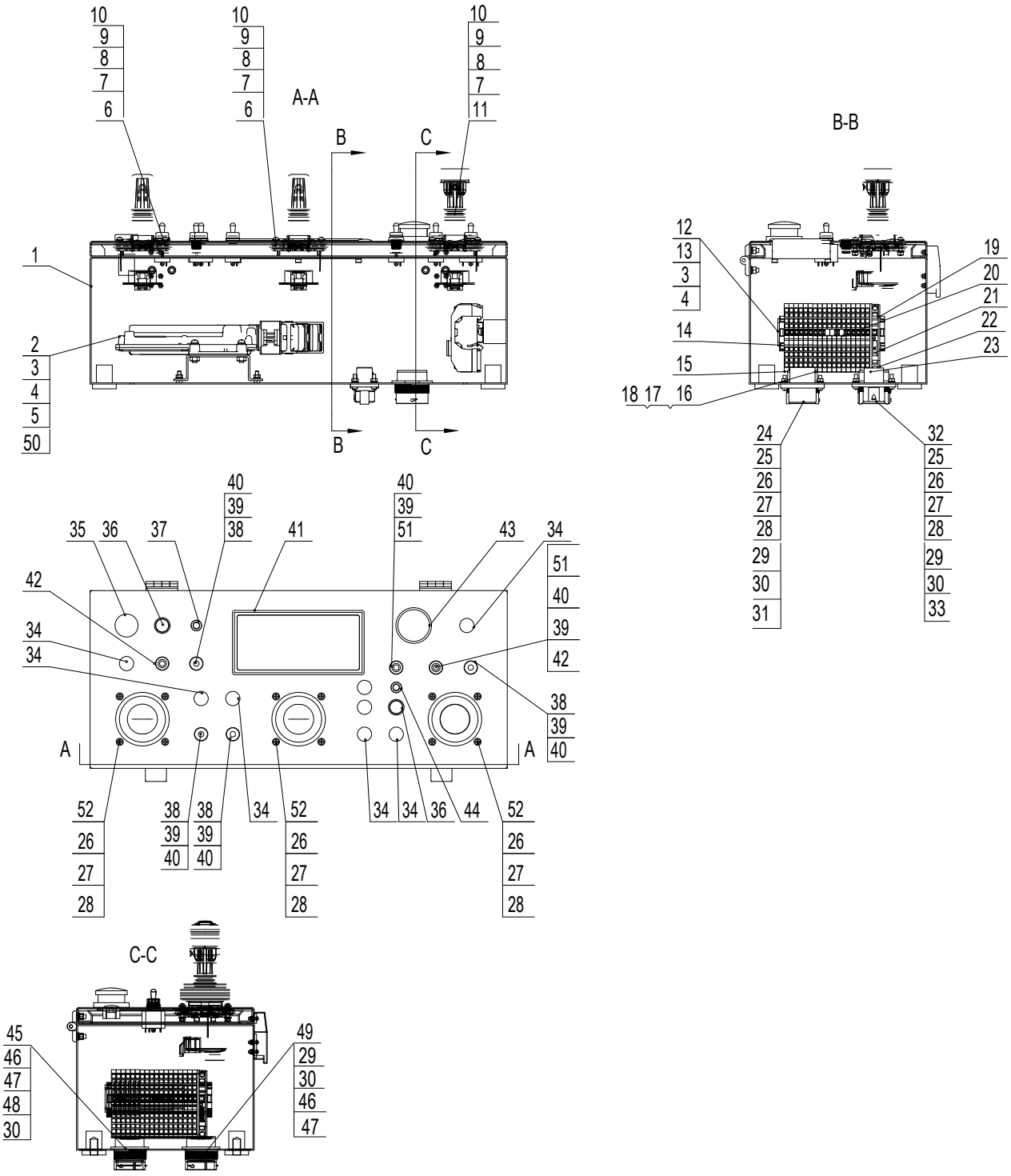


No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

7.5.3.2 Load sensor options

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

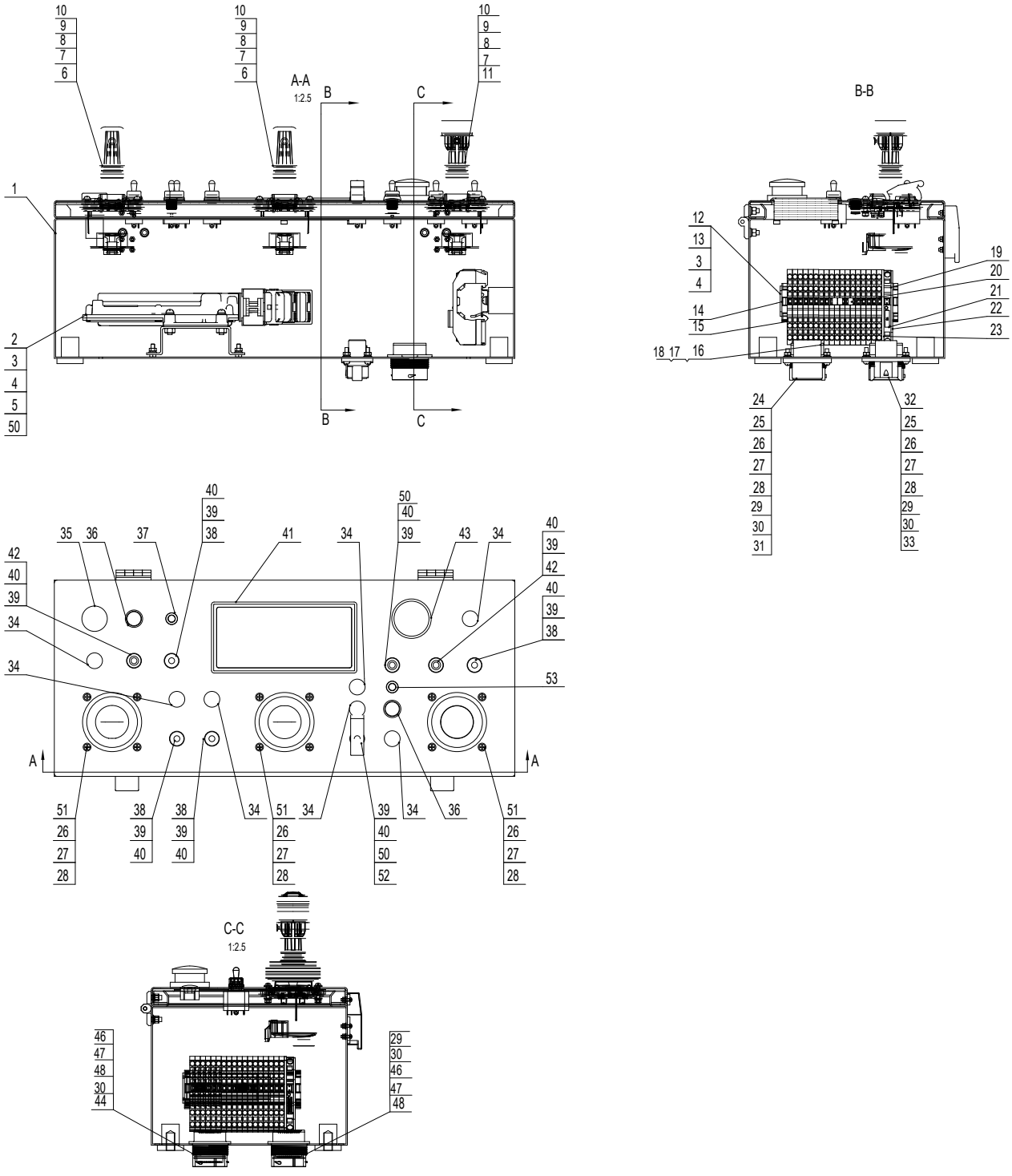
7.5.3.3 Platform Controller Assembly (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

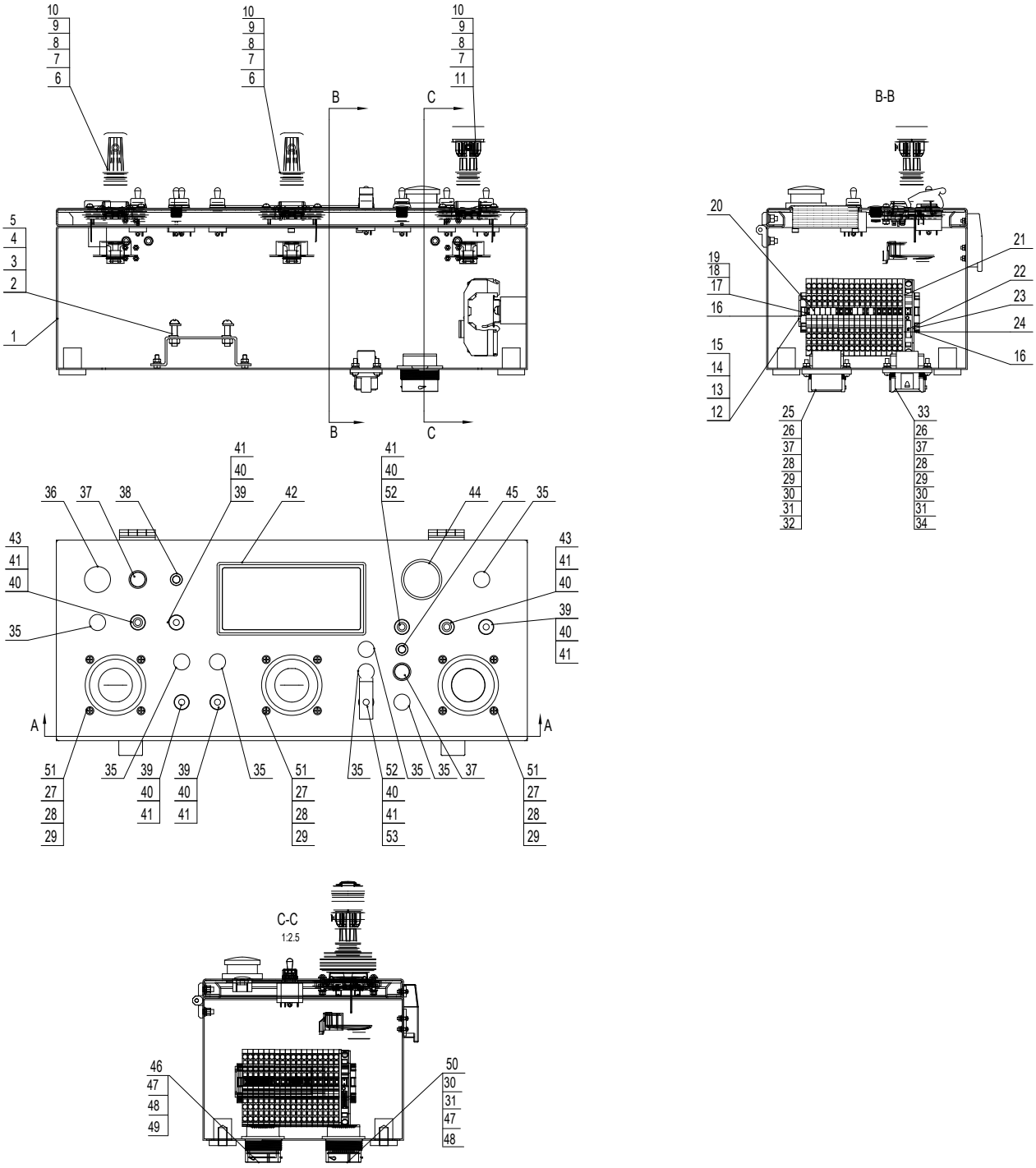
7.5.3.4 Platform Controller Assembly (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

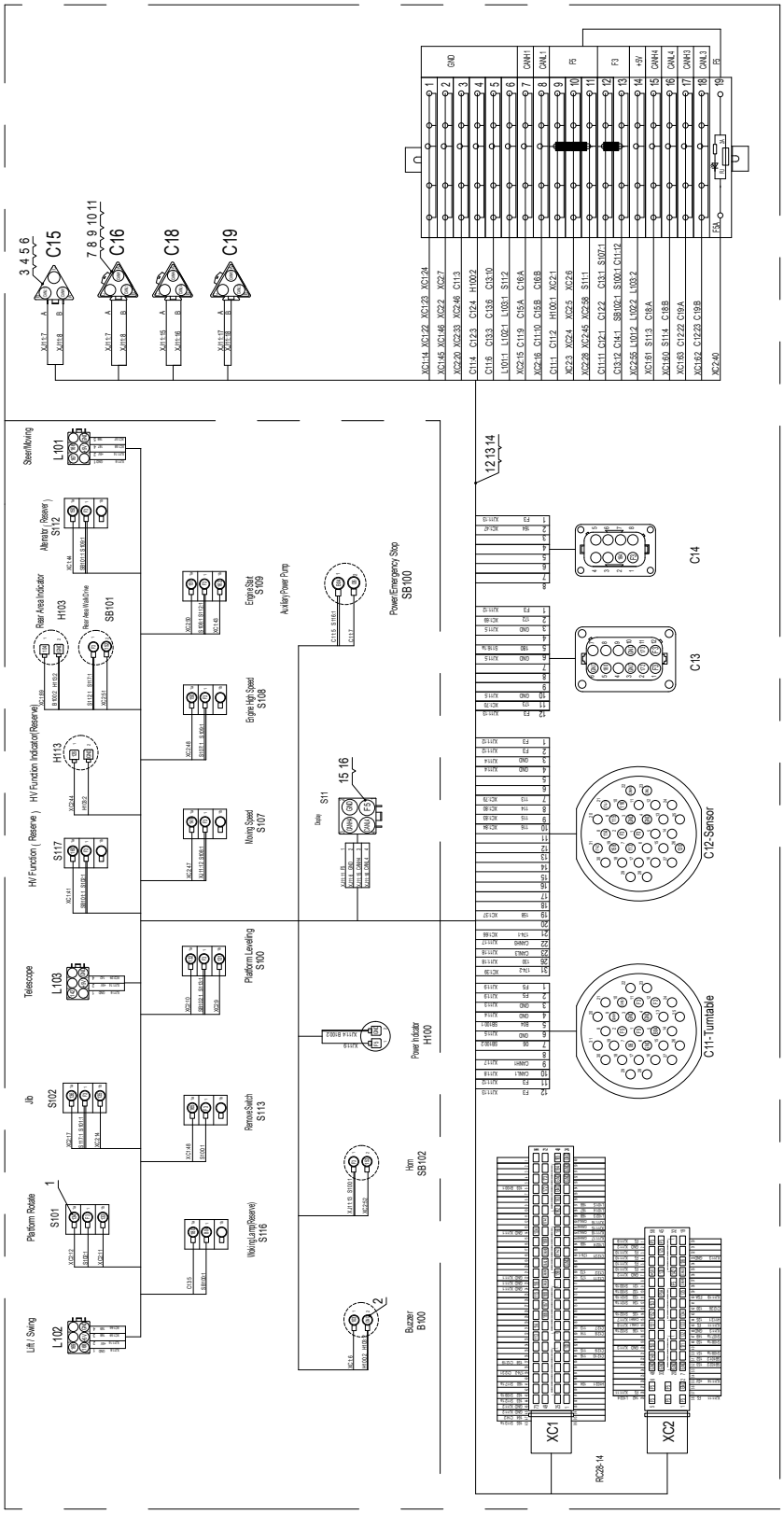
7.5.3.5 Platform Controller Assembly (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

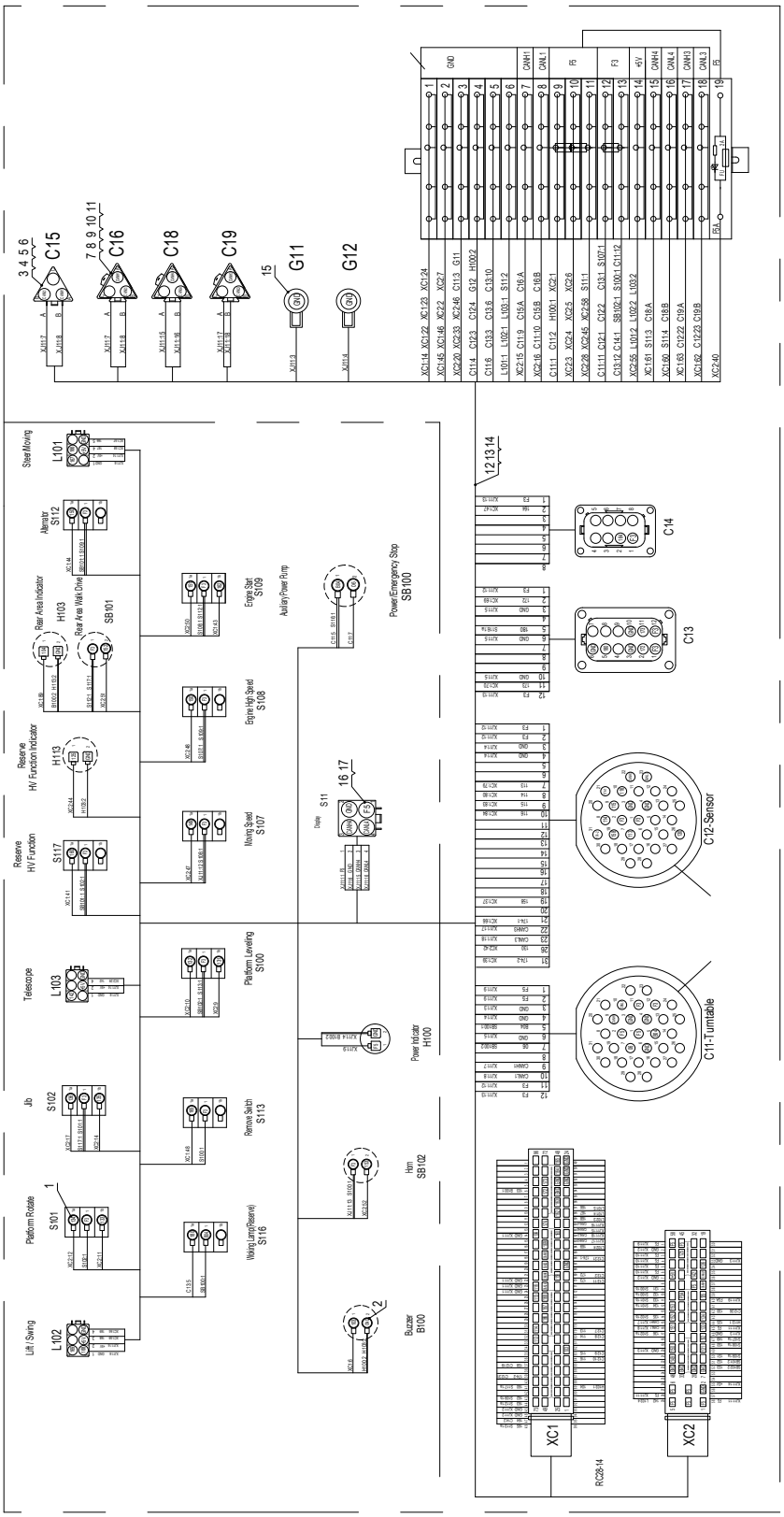
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.5.3.6 Platform Controller Wiring Diagram (PN.105050063026)



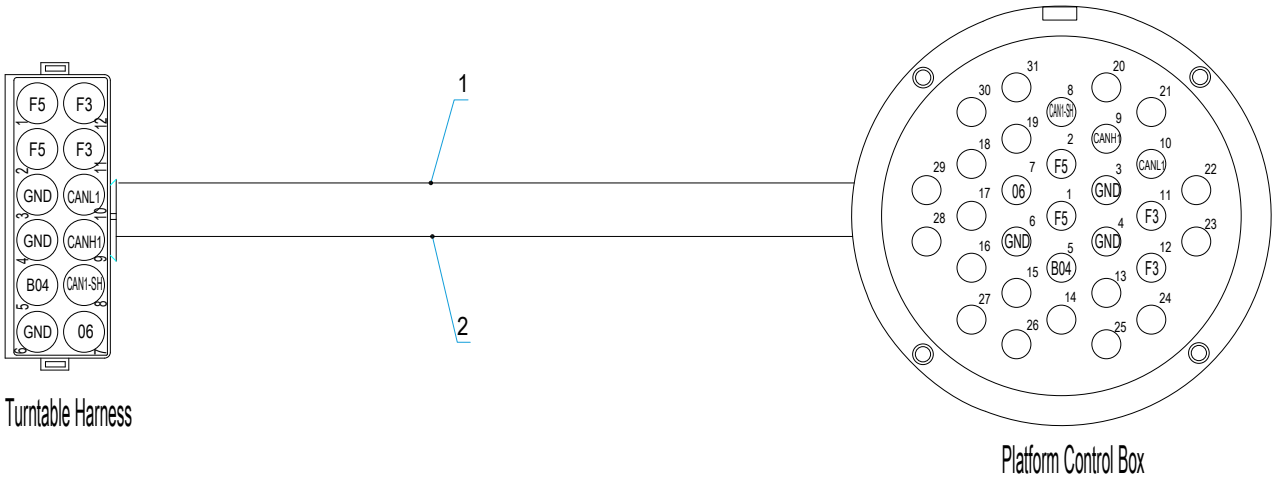
No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.5.3.7 Platform Controller Wiring Diagram (PN.105050063067)



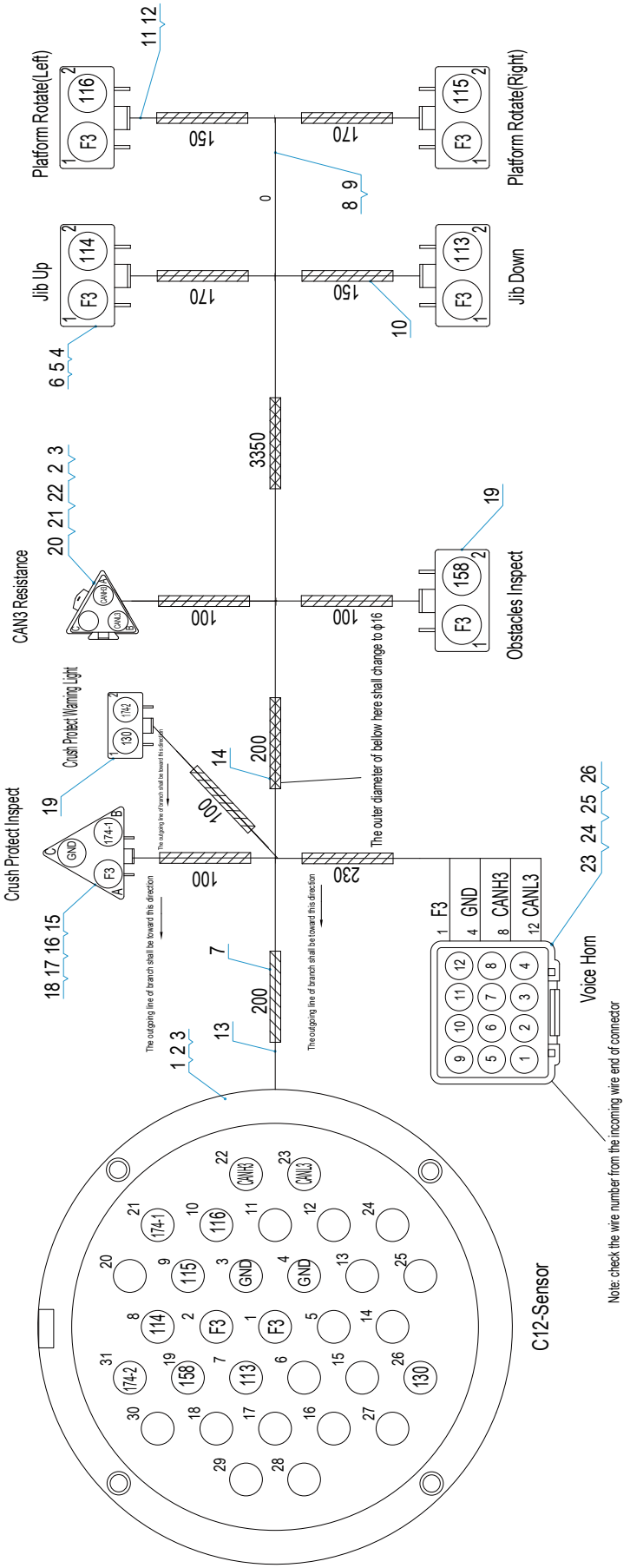
No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

7.5.3.8 Cable Track Diagram (PN.114002063018)



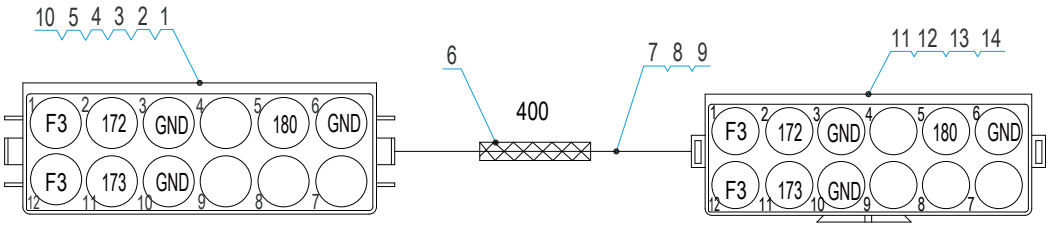
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.5.3.9 Wiring harness, platform(PN.105050063001)



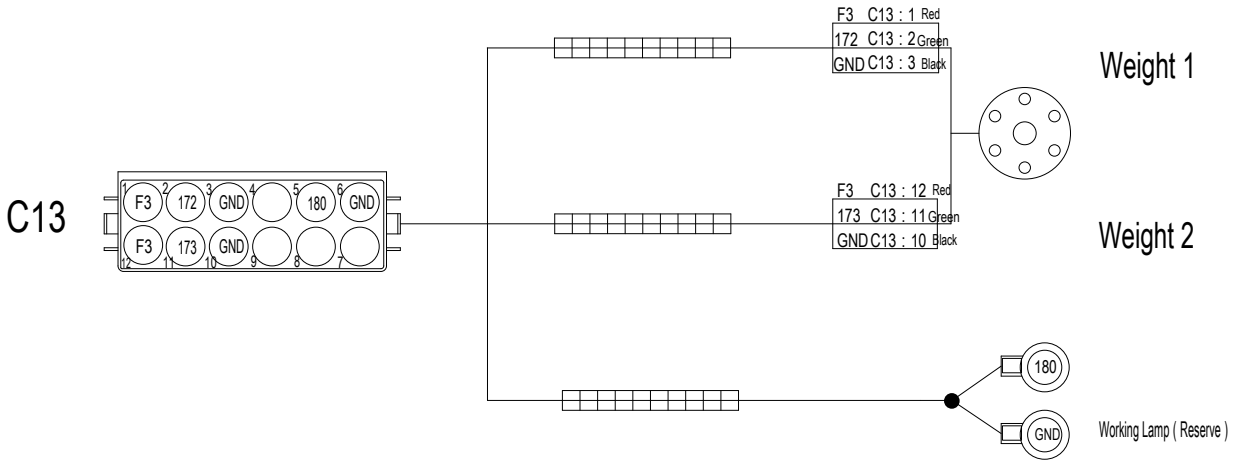
No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

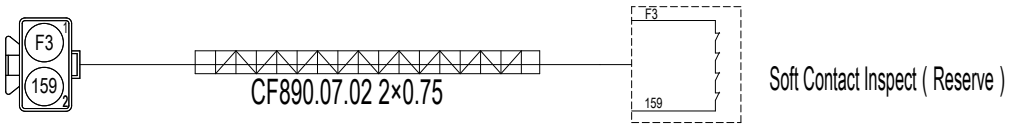
7.5.3.10 Platform Harness (PN.103006063009)

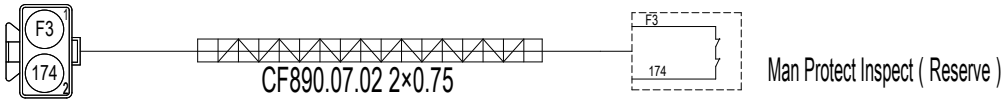


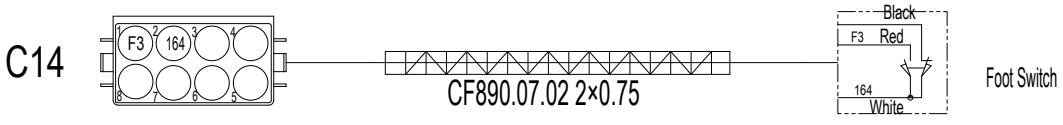
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

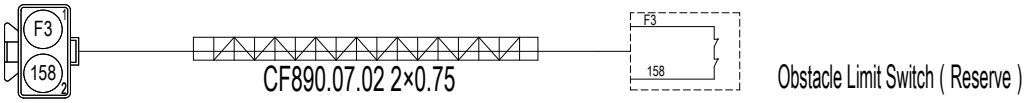
7.5.3.11 Platform Sensor Harness (PN.105031060013)







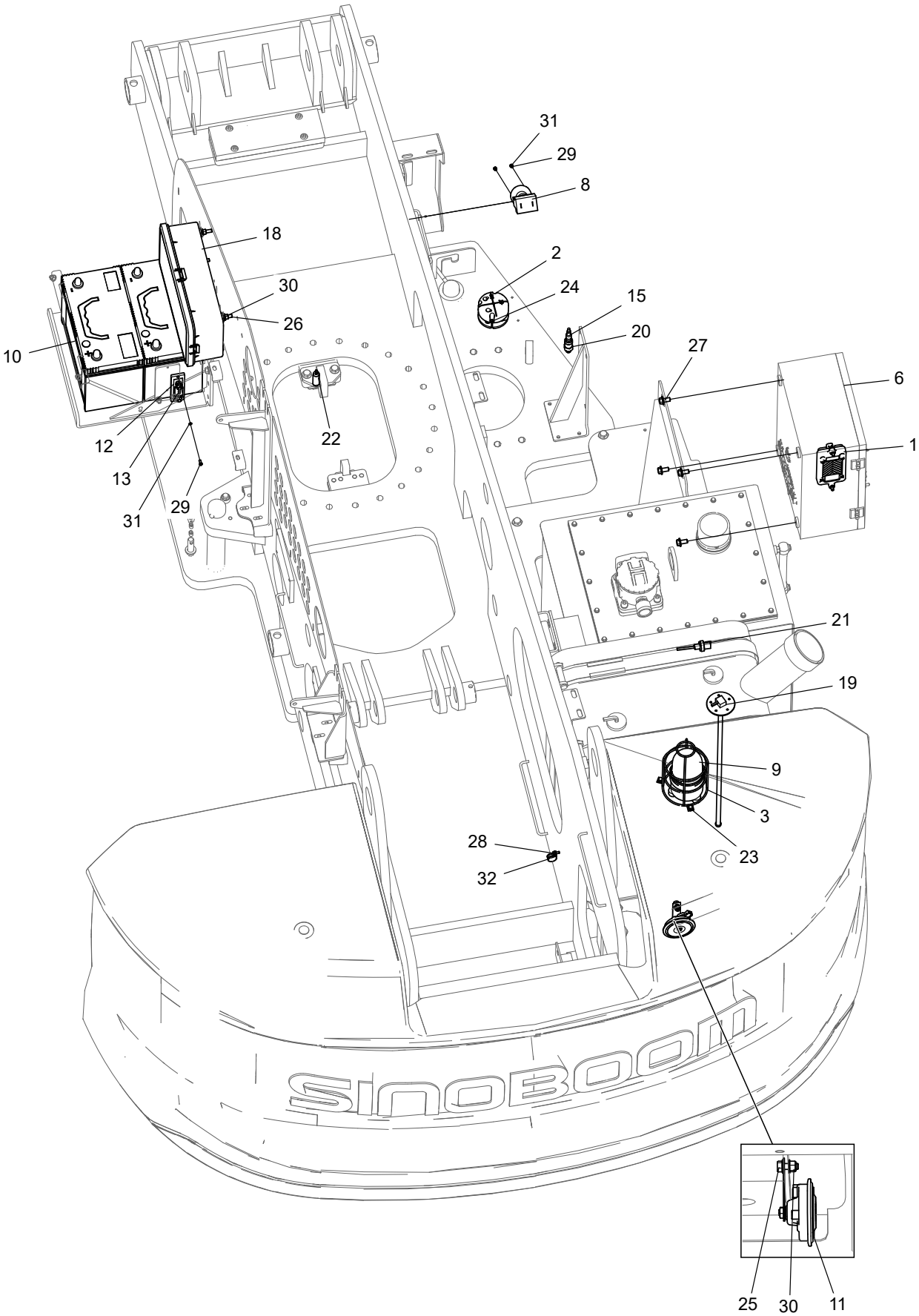




7.6 ELECTRICAL SYSTEM (YUCHAI YCF3050/CHINA T4,HENGLI MULTI-WAY VALVE)

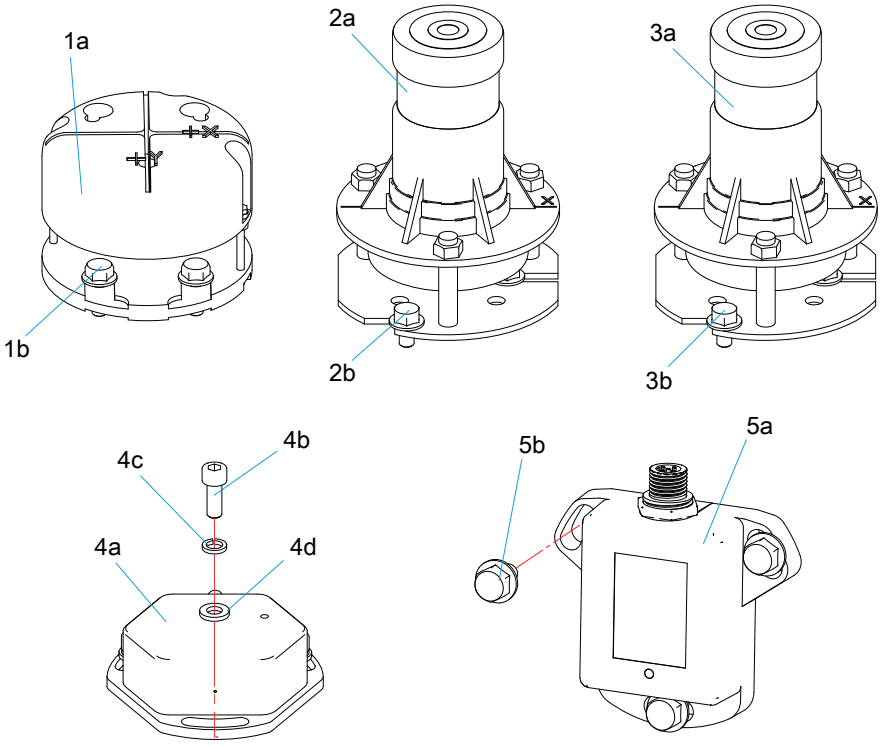
7.6.1 TURNTABLE ELECTRICAL SYSTEM

7.6.1.1 Turntable Electrical Components Installation



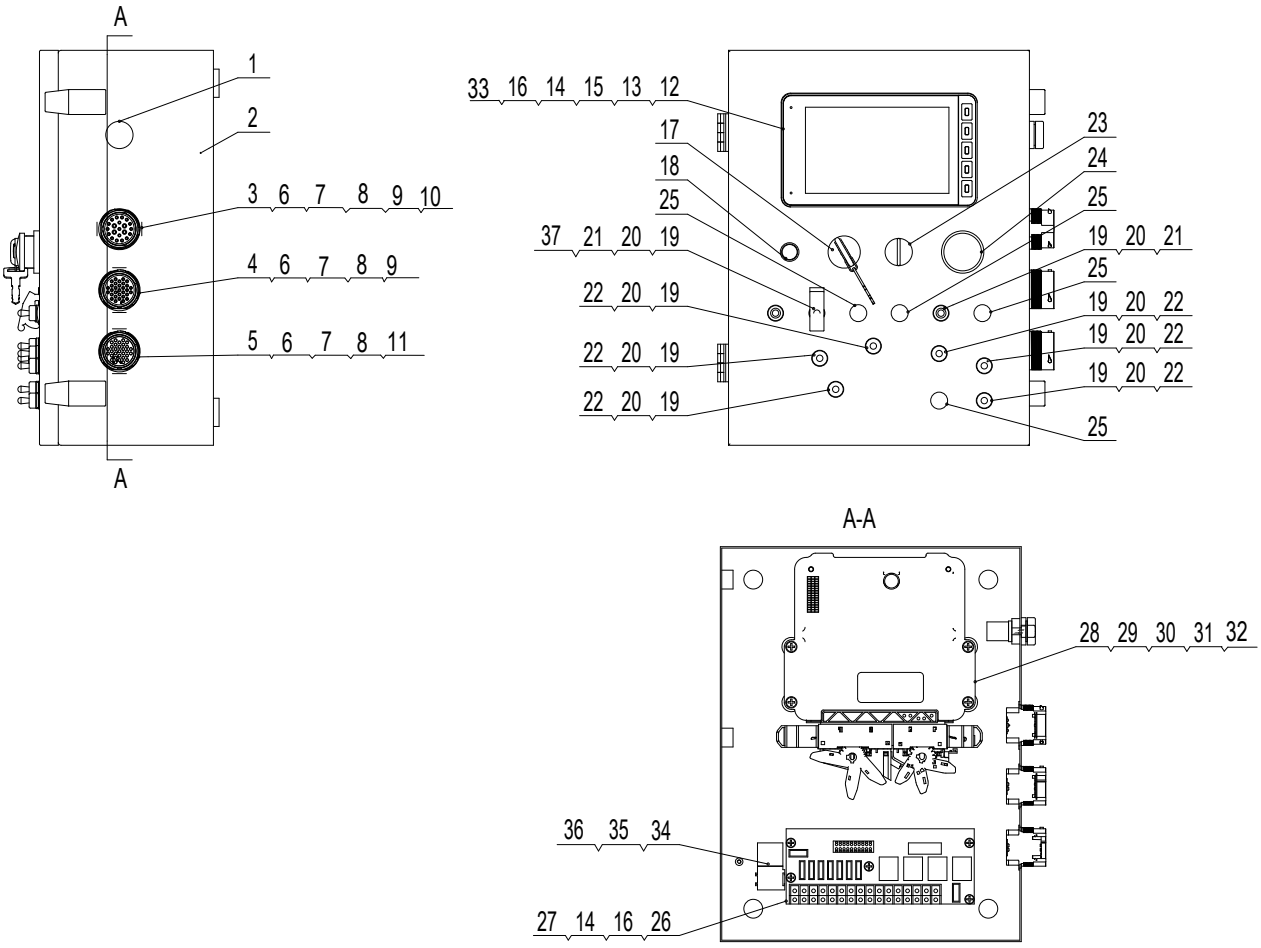
No.	Part No.	Qty.	Description
1	103006063020	1	Options, GPS installation
2	103008063058	1	Options, Level sensor installation
3	105021060024	1	Guard, light (warning)
4	105031060019	1	Turntable Sensors Harness(Not shown)
5	105064063100	1	Electrical power wiring layout(Not shown)
6	105068063089	1	Turntable Control Box Assembly
7	105068063094	1	Turntable Harness(Not shown)
8	114004063040		Power switch option
8-1	203060000024	1	Power switch(1000110)
8-2	203060003167	1	Power switch(1000200)
9	114012063080		Caution light option
9-1	203050003017	1	Caution light(Fixed volume)
9-2	203050003057	1	Caution light(Volume adjustable)
10	114015063057	2	Maintenance-free battery options
10-1	203100000061	1	Maintenance-free battery(110Ah)
10-2	203100003158	1	Maintenance-free battery(100Ah)
11	203050000034	1	Horn
12	203070000056	1	Fuse holder
13	203070003009	1	Fuse
14	203080000250	2	Battery connector (positive and negative in pairs)(Not shown)
15	203080003094	1	Plug with cable
16	203100000051	2	Sheath, flexible (L, black)(Not shown)
17	203100000053	2	Sheath, flexible (L, red)(Not shown)
18	203100003050	1	Power switch box
19	203150000006	1	Single-tube level sensor
20	203150000055	1	Sensor, pressure
21	203150000072	1	Temperature sensor
22	203150003010	1	Proximity switch
23	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
24	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
25	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
26	215010000236	3	Bolt M8×30-8.8-ZnD GB/T 5789
27	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
28	215010000279	1	Bolt M5×12-8.8-ZnD GB/T 5789
29	215020000110	4	Screw M5×12-A2-70 GB/T 818
30	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
31	215040000003	4	Washer 5-A2-70 GB/T 93
32	216020000024	1	Retaining ring

7.6.1.2 Level Sensor Options



No.	Part No.	Qty.	Description
1	114015063090		INST, switch (level)
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		INST, switch (level)
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		INST, switch (level)
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		INST, sensor (level)
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1
5	114015063104	1	INST, sensor (level)
5a	203150003084	1	Angle sensor
5b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

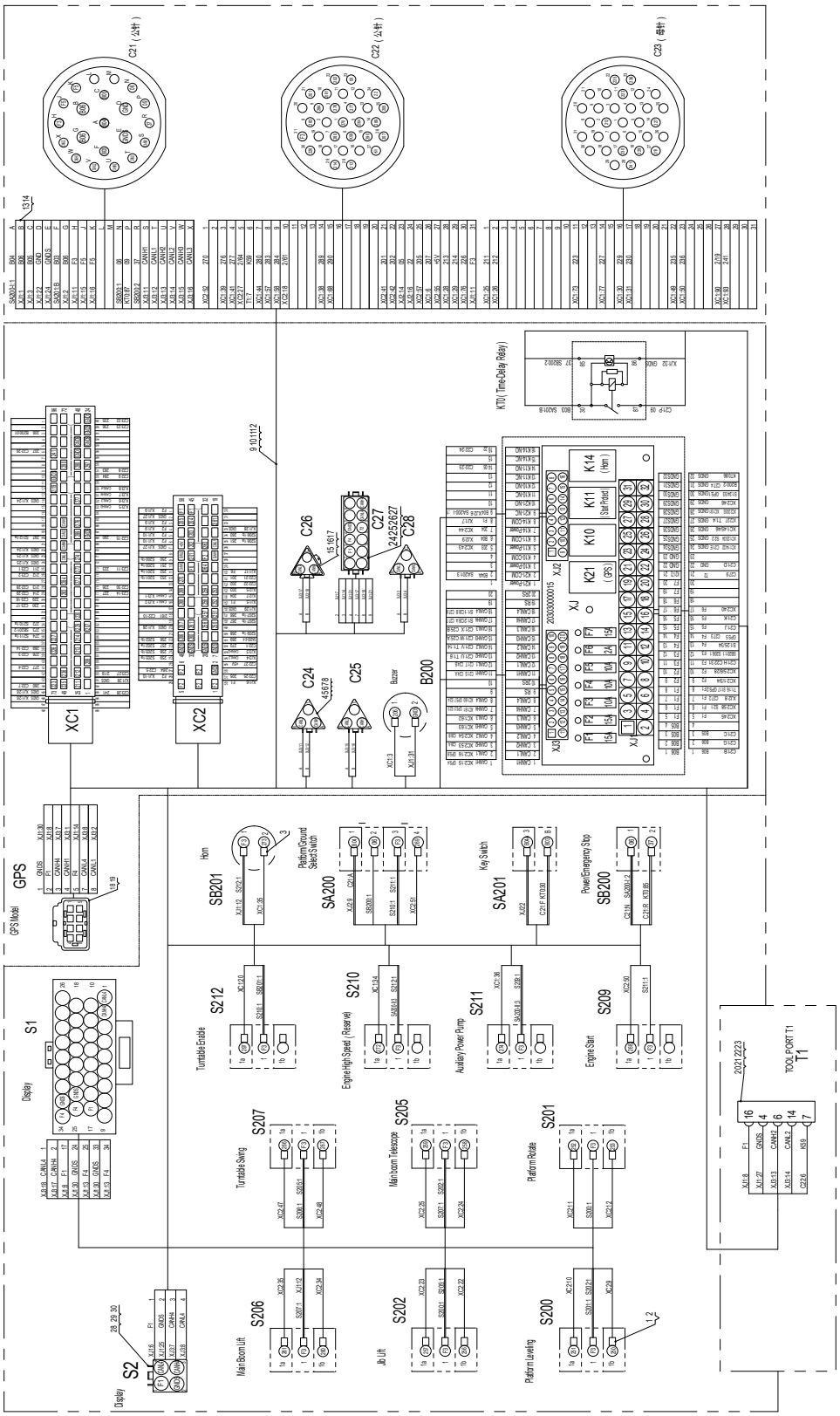
7.6.1.3 Turntable Controller Assembly (PN.105068063089)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	113001063012	1	Turntable control box
3	203080000518	1	21-pin male terminal sheath
4	203080000523	1	31-pin male connector sheath
5	203080000516	1	31-pin female connector sheath
6	203060000098	3	Metal spring plate
7	203060000101	3	Retaining nut
8	203080000068	26	Blind plug
9	203080000033	35	Male connector
10	203060000103	4	#12 male connector
11	203080000041	18	Female connector
12	203200003019	1	Display screen
13	105001060106	3	Display fixing folded plate
14	215040000003	11	Washer 5-A2-70 GB/T 93
15	215020000109	6	Screw M5×10-A2-70 GB/T 818
16	215040000032	11	Washer 5-A2 GB/T 97.1
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203080000109	8	Nut
20	203080000101	9	Waterproof cap
21	203060000021	3	Toggle switch
22	203060000003	6	Toggle switch
23	203060000029	1	Selector switch
24	203060000142	1	Switch, emergency stop
25	105045060004	4	Controller plug
26	203030000015	1	Relay integration board
27	215020000110	5	Screw M5×12-A2-70 GB/T 818
28	203020000038	1	Controller
29	215040000033	4	Washer 6-A2 GB/T 97.1
30	215040000004	4	Washer 6-A2-70 GB/T 93
31	215020000118	4	Screw M6×25-A2-70 GB/T 818
32	203080000378	1	Connector, controller
33	203080003147	1	Connector assembly, SECD-7I0A
34	215040000002	1	Washer 4-A2-70 GB/T 93
35	215020000104	1	Screw M4×10-A2-70 GB/T 818
36	203040003005	1	Relay, time-delay
37	203060000150	1	Toggle switch guard
38	105068063098	1	Ground controller wiring diagram(Not shown)

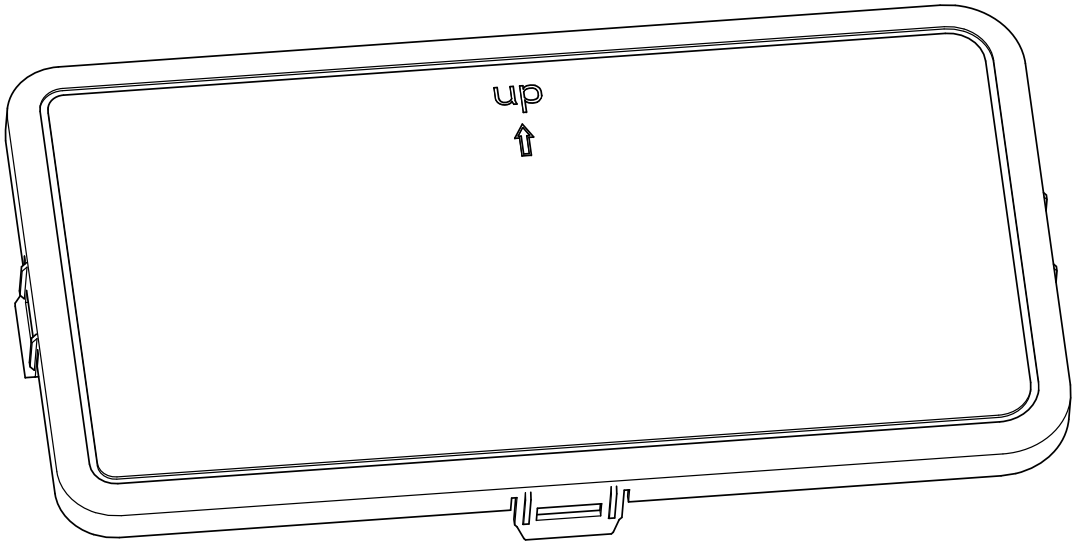
No.	Part No.	Qty.	Description
39	105070063003	1	Surface film, control box (turntable)(Not shown)
40	105025063005	1	PC film, control box (turntable)(Not shown)

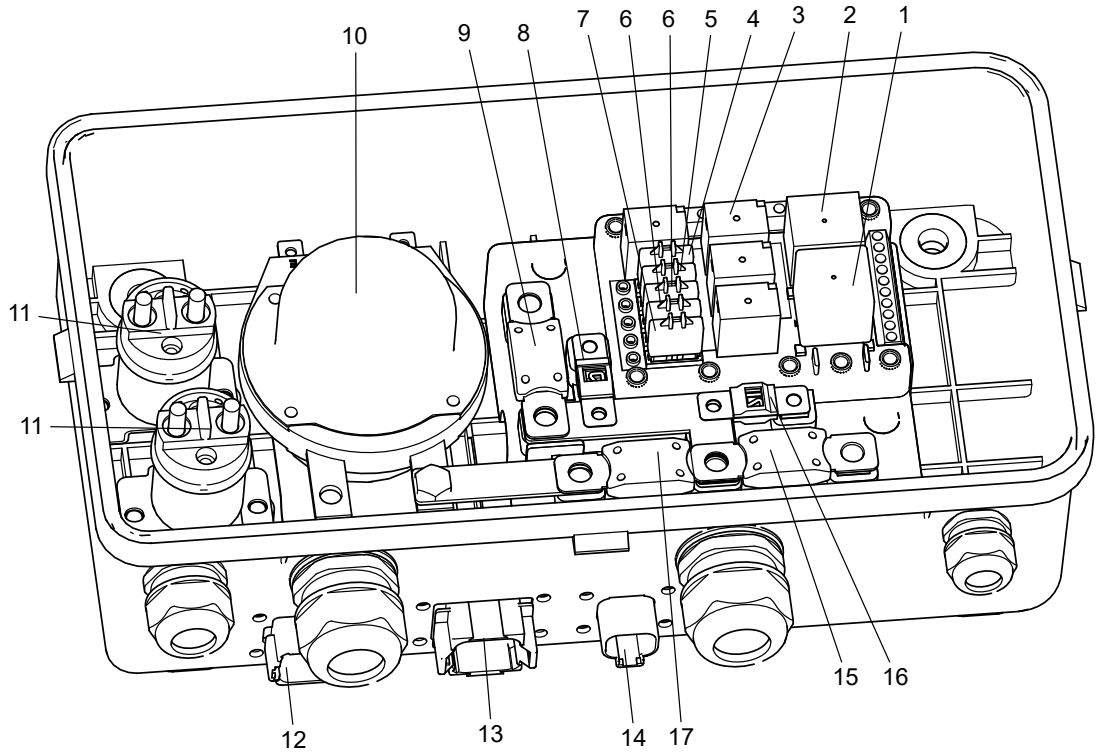
7.6.1.4 Turntable Controller Wiring Diagram (PN.105068063098)



No.	Part No.	Qty.	Description
	105068063098	1	Ground controller wiring diagram
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000041	10	Female connector
5	203080000068	5	Blind plug
6	203080000032	3	Lock
7	203080000404	3	Sheath
8	203080000473	3	Waterproof cover
9	203080000564	15	Thin-wall wire
10	203080000562	5	Thin-wall wire
11	203080000563	7	Thin-wall wire
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000405	2	Sheath
16	203080000046	2	Lock
17	203080000033	4	Male connector
18	203080000086	2	Connector
19	203080003216	1	Sheath
20	203080003218	7	AMP terminal
21	203080003345	1	Connector
22	203080003346	6	Terminal
23	203080003427	1	Diagnostic hood
24	203080003428	1	Connector
25	203080003532	1	Sheath
26	203080003533	1	Lock
27	203060000085	6	#20 female terminal
28	203080000085	1	Blind plug

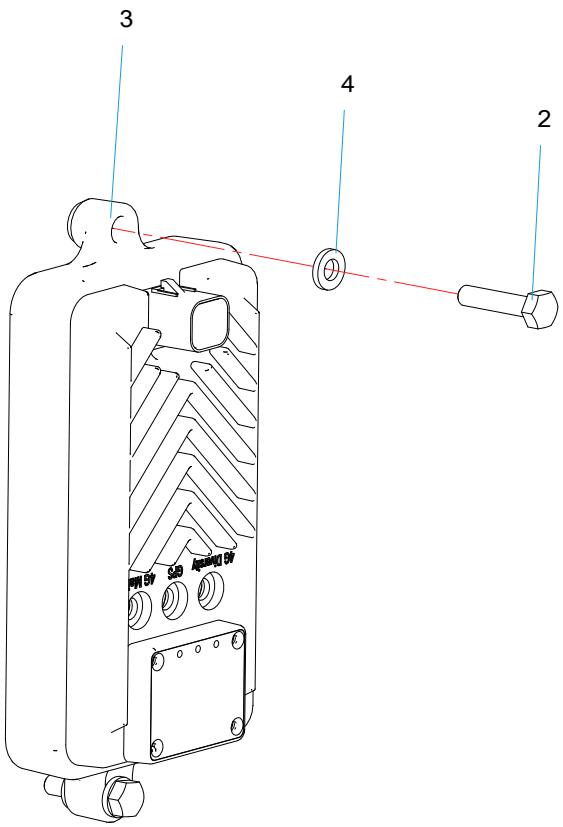
7.6.1.5 Power switch box(PN.203100003050)





No.	Part No.	Qty.	Description
1	203040003012	1	Relay
2	203040003011	1	Relay
3	203040003010	4	Relay
4	203070003017	1	Fuse
5	203070003018	1	Fuse
6	203070003016	2	Fuse
7	203070003015	1	Fuse
8	203070003022	2	Fuse
9	203070003019	1	Fuse
10	203040003014	1	Relay
11	203040003013	2	Relay
12	203060000090	1	12-pin male connector sheath, with flange
13	203060000088	1	8-pin male connector sheath, with flange
14	203060003045	1	Connector, 4p,with flange
15	203070003021	1	Fuse
16	203070003020	1	Fuse
17	203990003008	1	Fitting, waterproof
18	203990003009	2	Fitting, waterproof
19	203990003010	1	Connector, waterproof
20	203990003011	1	Cover plate
21	203990003012	1	Pedestal assembly

7.6.1.6 GPS Installation

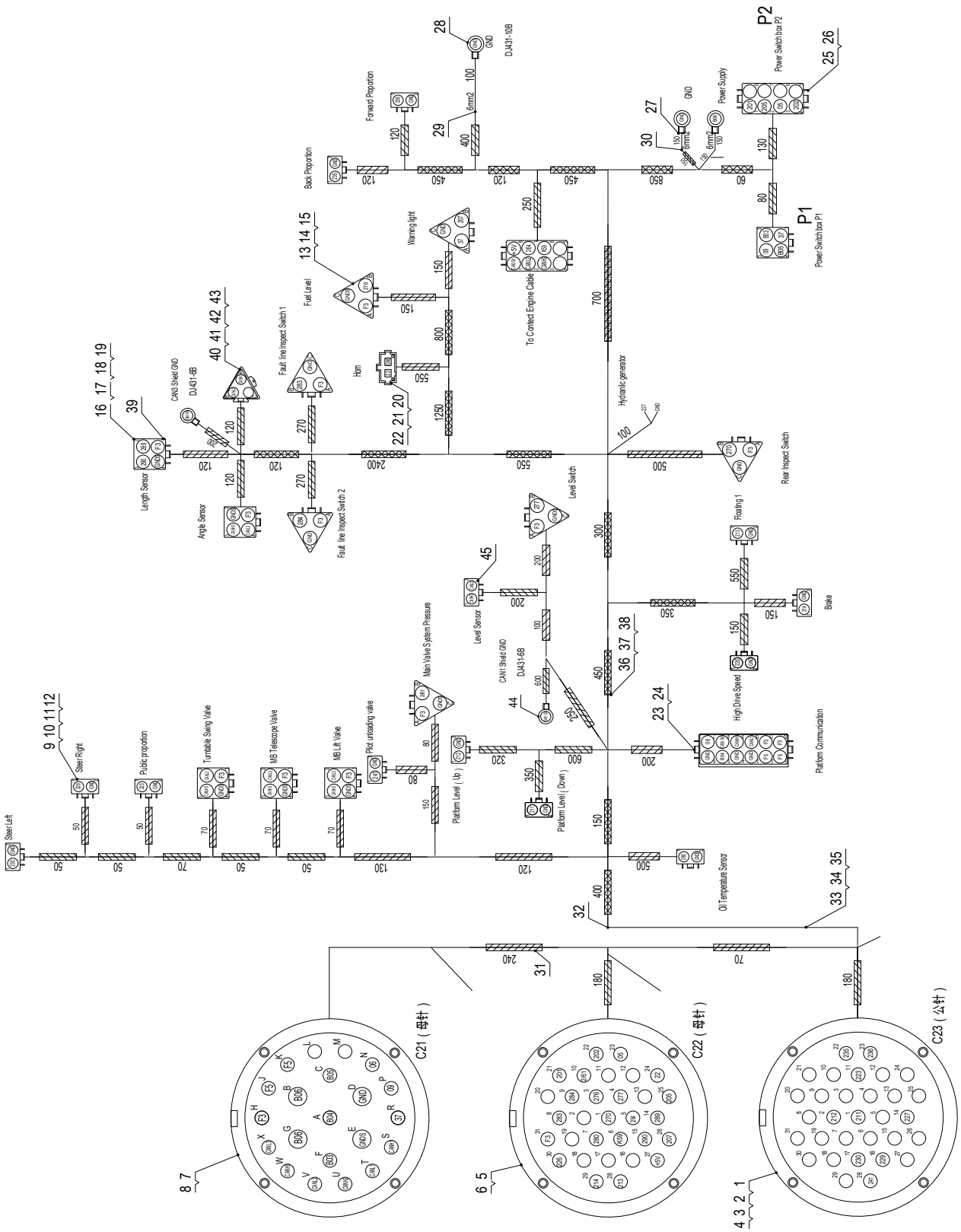


No.	Part No.	Qty.	Description
1	203150003022	1	GPS/LTE antenna(Not Shown)
2	215010003054	2	Nylon Bolt M6×25-4.8-PA66
3	203150003021	1	GPS module
4	215040003034	4	Nylon Washer 6-PA66

7.6.1.7 GPS Installation (Hornet Rentals)

No.	Part No.	Qty.	Description
1	105055063003	1	Cable, adapter (Huatie)
2	203990003077	1	Hornet T-BOX

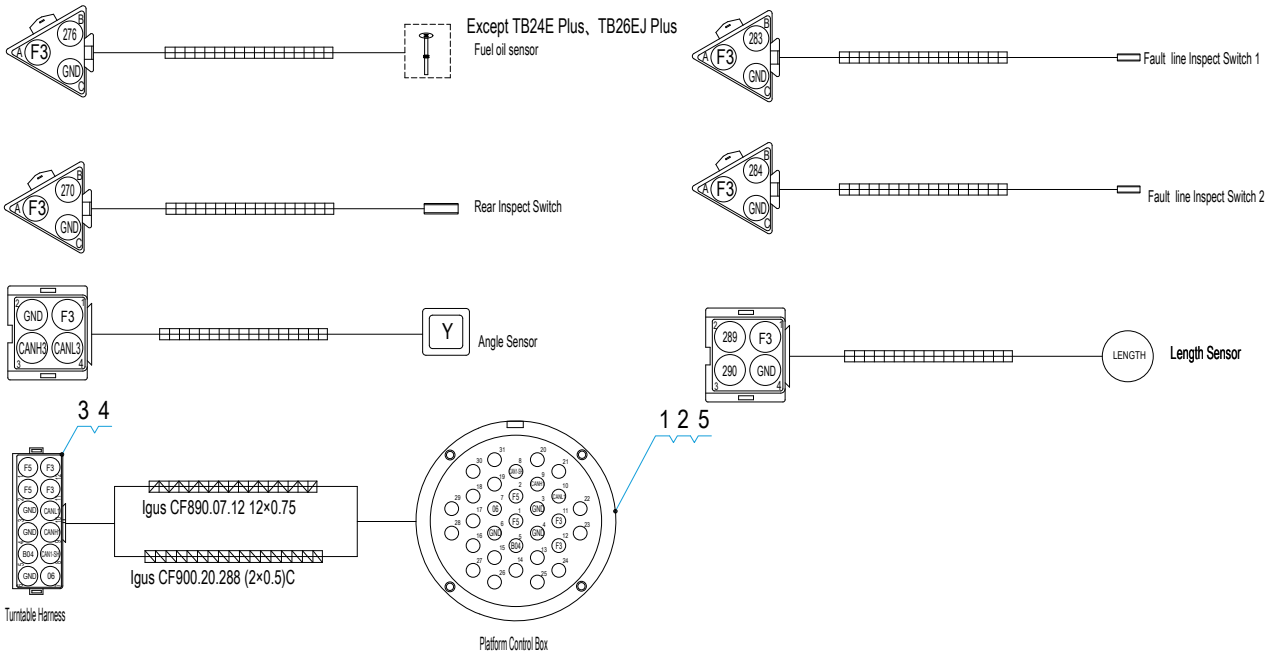
7.6.1.8 Turntable Harness (PN.105068063094)



No.	Part No.	Qty.	Description
	105068063094	1	Turntable Harness
1	203080000515	1	31-pin male sheath
2	203060000096	3	180 deg. end clip
3	203080000033	19	Male connector
4	203080000068	31	Blind plug
5	203080000520	1	31-pin female terminal sheath
6	203080000041	132	Female connector
7	203080000517	1	21-pin female terminal sheath
8	203060000097	4	#12 female terminal
9	203080000410	10	Sheath
10	203080000016	10	Lock
11	203080000437	10	End attachments, 2-pin, female
12	203080000448	10	Rubber part
13	203080000404	7	Sheath
14	203080000032	7	Lock
15	203080000508	7	End clip
16	203080000044	6	Sheath
17	203080000020	6	Lock
18	203080000445	6	End attachments, 4-pin, female
19	203080000446	6	Rubber part
20	203080000427	1	Sheath
21	203080000428	2	Female pin
22	203080000429	1	Waterproof cap
23	203080000414	1	Sheath
24	203080000159	1	Lock
25	203080000100	2	Connector
26	203080000112	2	Lock
27	203080000134	2	Terminal,blade-hole type
28	203080000124	3	Terminal, blade-hole type
29	203080000191	4	Cable
30	203080000161	3	Cable
31	203080000417	1	Nylon hose, closed-end
32	203080000419	1	Nylon hose, closed-end
33	203080000564	150	Thin-wall wire
34	203080000563	60	Thin-wall wire
35	203080000562	30	Thin-wall wire
36	203080000424	7	Nylon hose, closed-end
37	203080000422	5	Nylon hose, closed-end
38	203080000037	2	Corrugated pipe

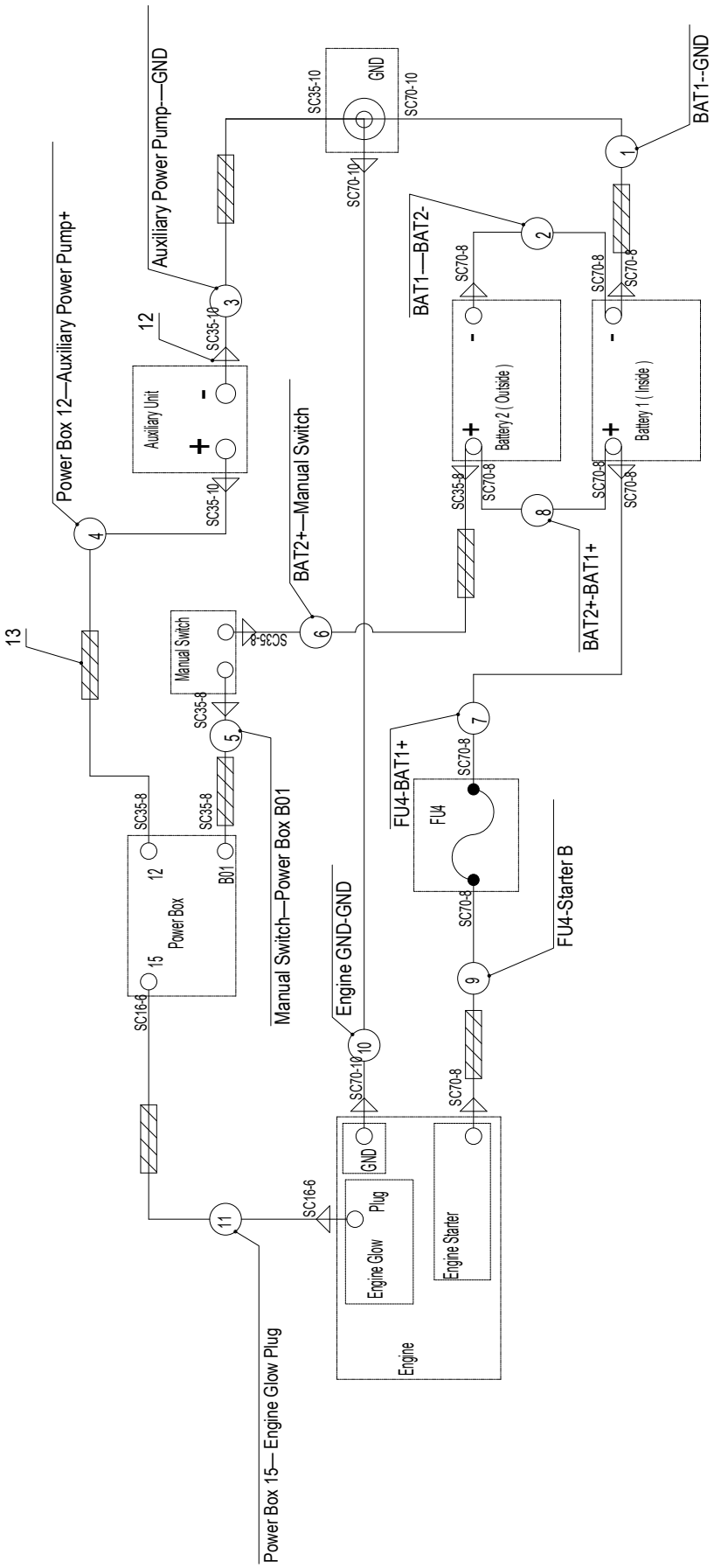
No.	Part No.	Qty.	Description
39	203080000492	2	Waterproof cover
40	203080000405	1	Sheath
41	203080000046	1	Lock
42	203080000455	1	End attachments, 3-pin, male
43	203080000086	1	Connector
44	203080000133	2	Terminal, blade-hole type
45	203080000474	1	Waterproof cover

7.6.1.9 Turntable Sensor Harness (PN.105031060019)



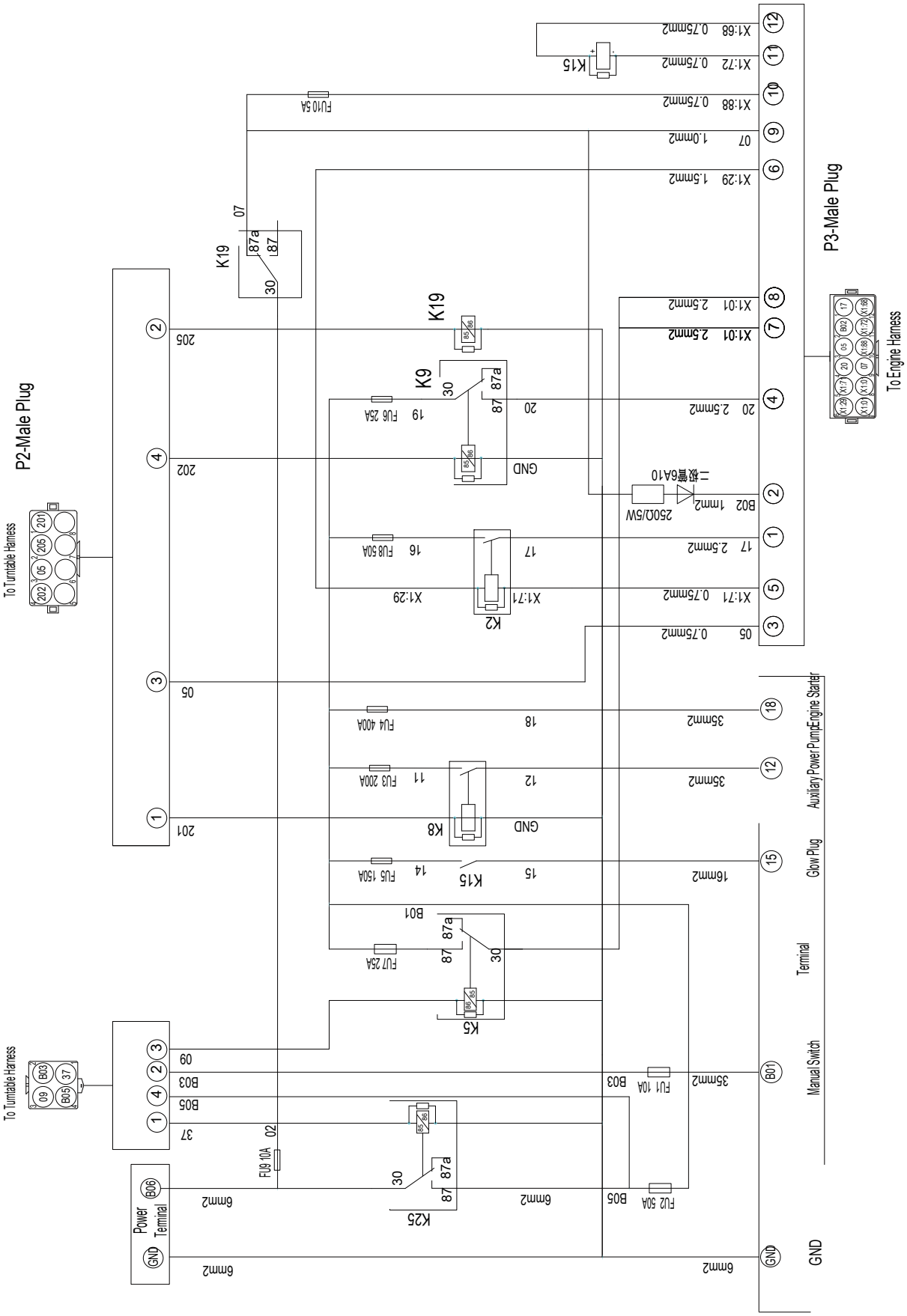
No.	Part No.	Qty.	Description
	105031060019	1	Turntable Sensors Harness
1	203080000520	1	31-pin female terminal sheath
2	203060000096	1	180 deg. end clip
3	203080000403	1	Sheath
4	203080000157	1	Lock
5	203080000068	19	Blind plug

7.6.1.10 Electrical Power Wiring Layout (PN.105064063100)



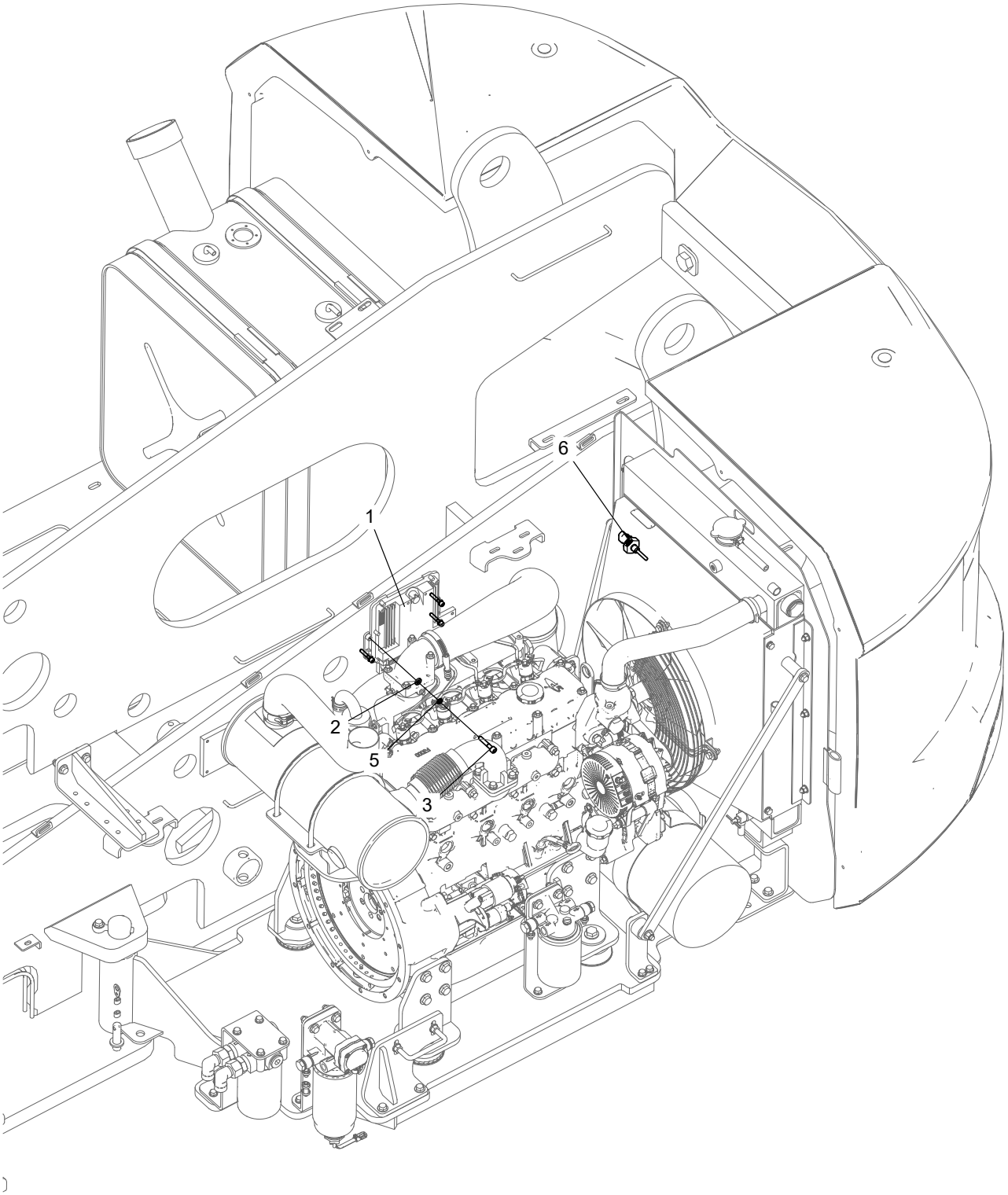
No.	Part No.	Qty.	Description
	105064063100	1	Electrical power wiring layout
1	203230000103	1	Power line
2	203230000364	1	Power line
3	203230000504	1	Power line
4	203230000527	1	Power line
5	203230000568	1	Power line
6	203230000564	1	Power line
7	203230000363	1	Power line
8	203230000404	1	Power line
9	203230000903	1	Power line
10	203230000876	1	Power line
11	203230000902	1	Power line
12	203080000004	12	PVC sheath
13	203080000422	16	Nylon hose, closed-end

7.6.1.11 Electrical Schematic of Power Switch Box (PN.105064063069)



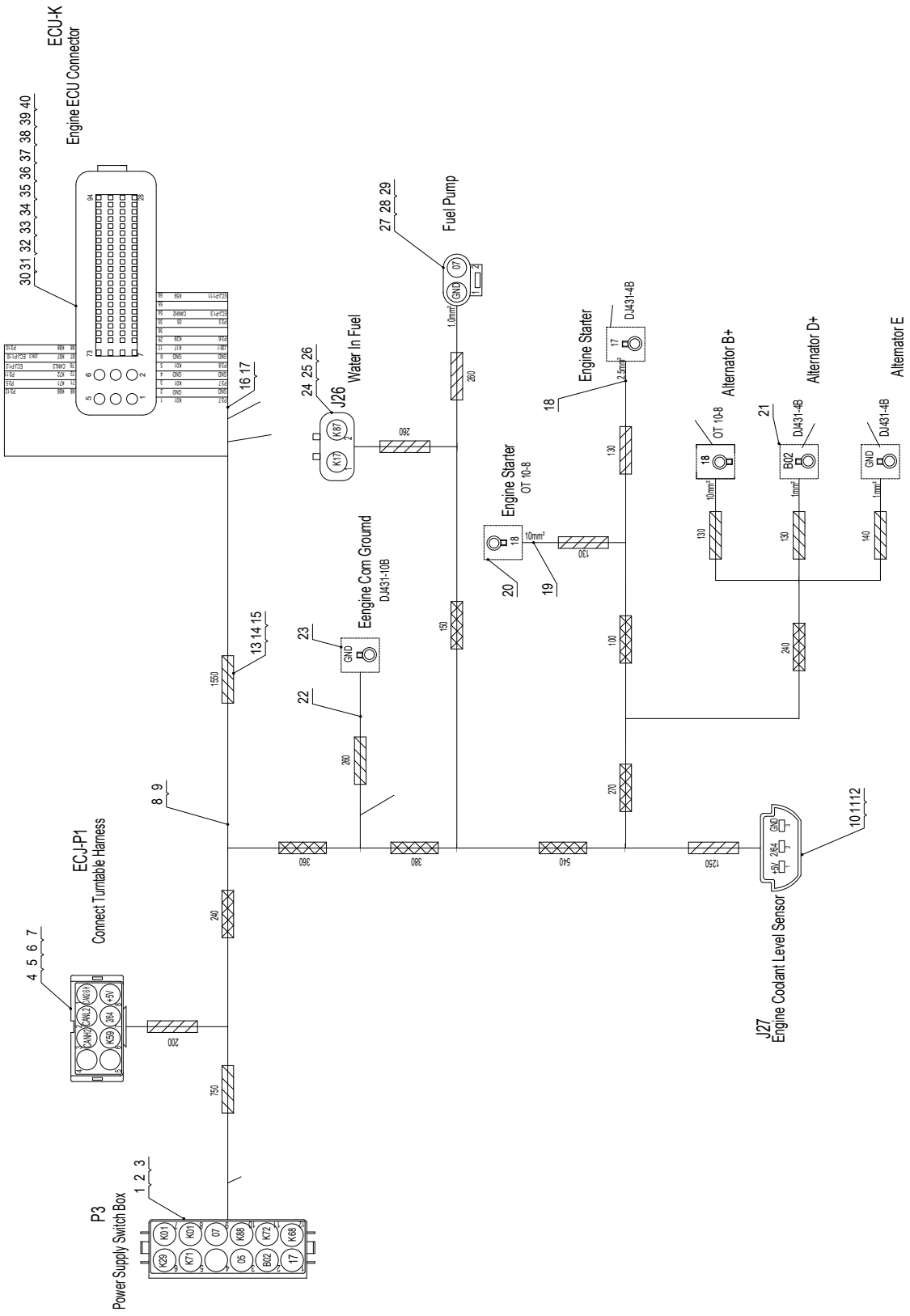
7.6.2 ENGINE ELECTRICAL SYSTEM

7.6.2.1 Engine Electrical Components Installation



No.	Part No.	Qty.	Description
1	203020003048	1	Controller
2	215040000033	4	Washer 6-A2 GB/T 97.1
3	215020000015	4	Screw M6×35-A2-70 GB/T 70.1
4	105068063055	1	Wiring harness,YUCHAI engine(Not shown)
5	215040000004	4	Washer 6-A2-70 GB/T 93
6	203150003026	1	Liquid level sensor

7.6.2.2 Engine Harness (PN.105068063055)

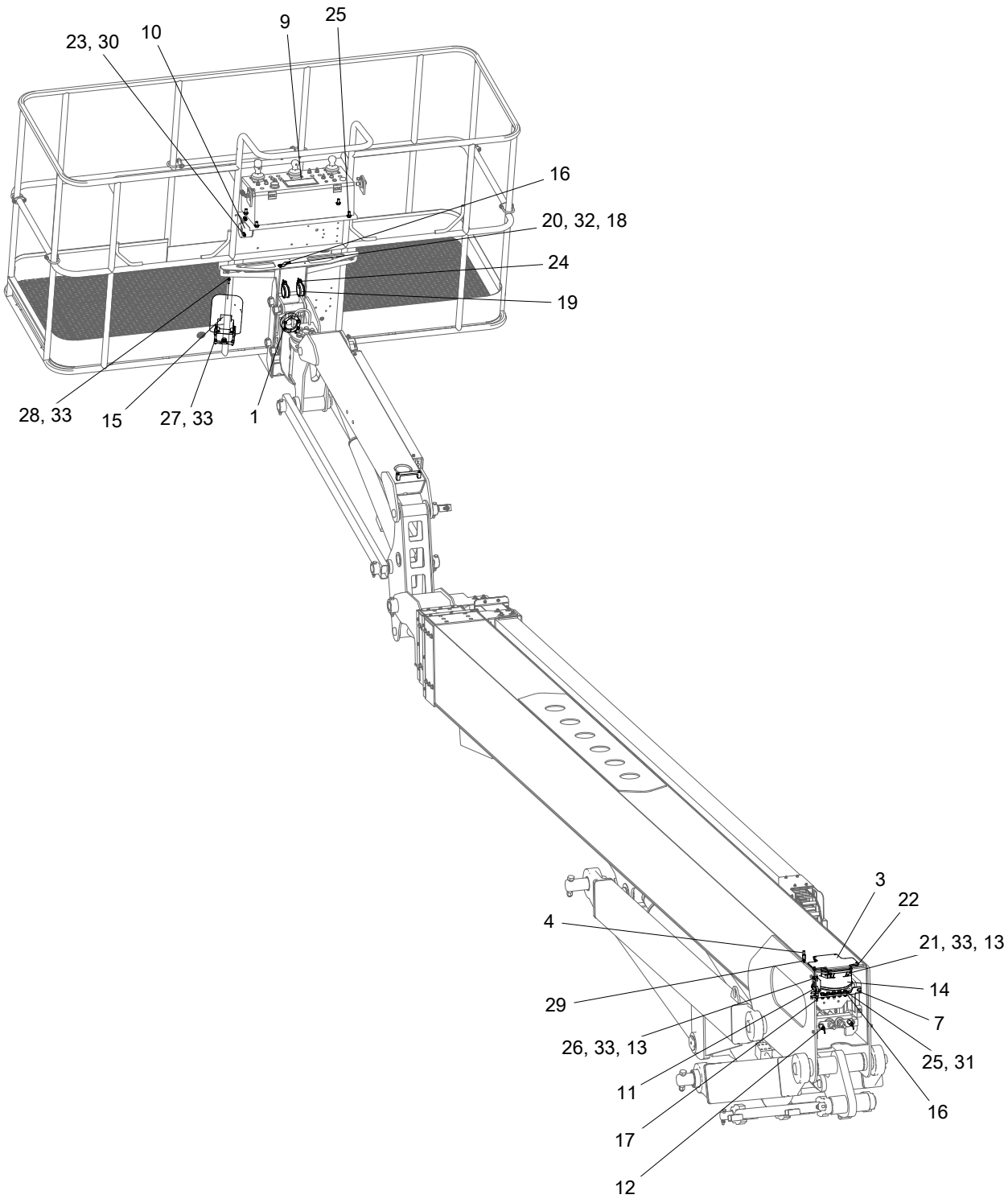


No.	Part No.	Qty.	Description
	105068063055	1	Wiring harness,YUCHAI engine
1	203080000414	1	Sheath
2	203080000159	1	Lock
3	203080000041	11	Female connector
4	203080000413	1	Sheath
5	203080000126	1	Lock
6	203080000033	6	Male connector
7	203080000068	3	Blind plug
8	203080000375	26	Cable
9	203080000370	4	Cable
10	203080000331	1	Plug
11	203080000323	3	Pin
12	203080000332	1	Seal plug
13	203080000421	2	Nylon hose, closed-end
14	203080000422	4	Nylon hose, closed-end
15	203080000463	1	Nylon hose, closed-end
16	203080000369	6	Cable
17	203080000582	8	Wire
18	203080000366	2	Cable
19	203080000367	2	Cable
20	203080003457	2	Terminal, round top insulated
21	203080000039	2	Ring tongue terminal
22	203080000394	2	Wire
23	203080000124	1	Terminal, blade-hole type
24	203080003403	1	Connector
25	203080003402	2	Terminal
26	203080003404	1	Seal ring
27	203080000291	1	Sheath
28	203080000298	2	Terminal
29	203080003392	1	Waterproof hose
30	203080003414	1	Connector
31	203080003415	6	Terminal
32	203080003416	1	Terminal
33	203080003417	12	Terminal
34	203080003418	3	Blind plug
35	203080003422	1	Locking piece
36	203080003419	72	Blind plug
37	203080003420	1	Cover
38	203080003421	1	Locking piece

No.	Part No.	Qty.	Description
39	203080003423	1	Clip
40	203080003424	1	Cable tie

7.6.3 BOOM ELECTRICAL SYSTEM

7.6.3.1 Boom Electrical Components Installation

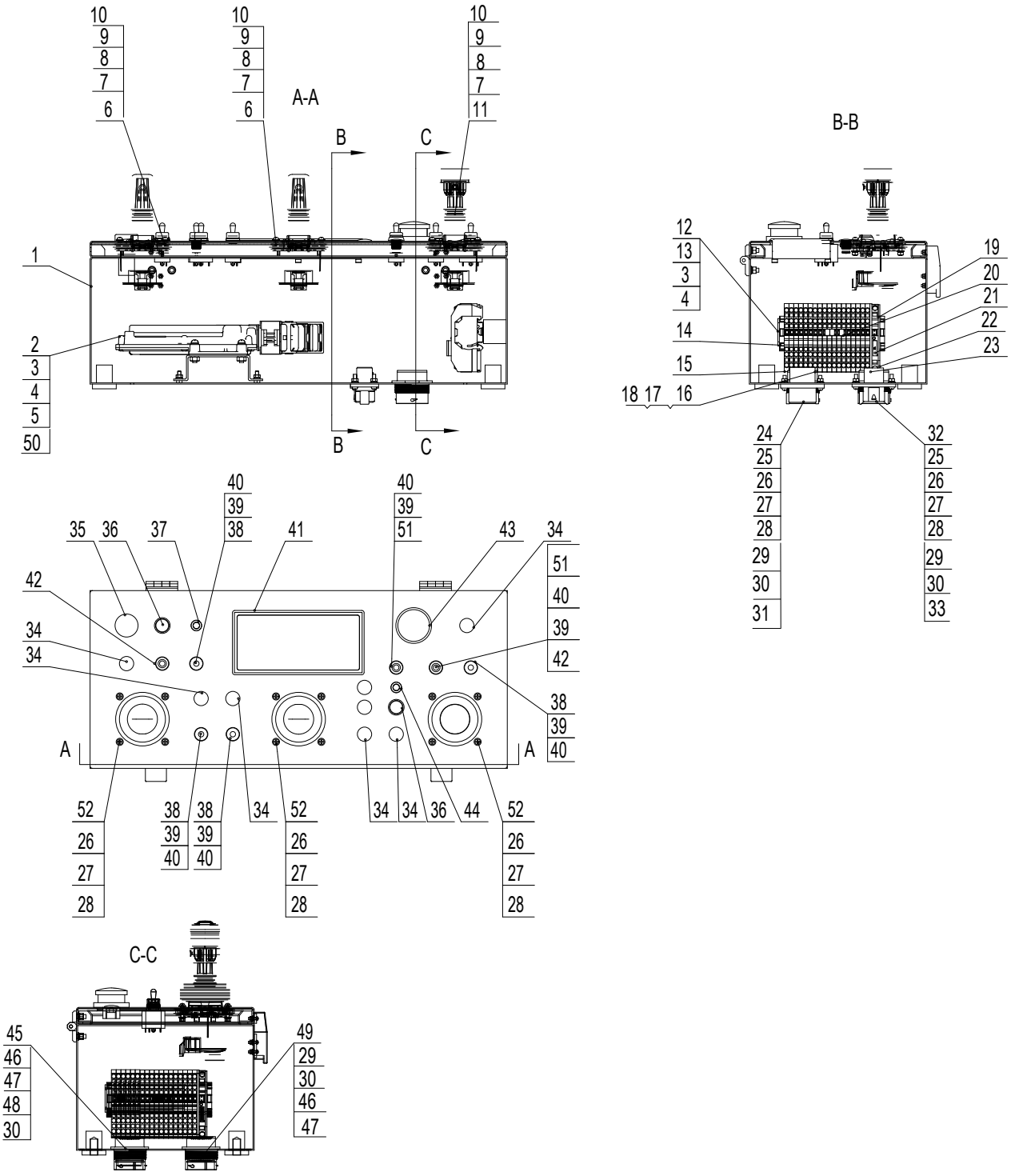


No.	Part No.	Qty.	Description
1	103006060034		Load sensor options
2	103006063009	1	Wiring harness, platform(Not shown)
3	105001010254	1	Mount, length sensor
4	105001060075	1	Thread rod, for length sensor
5	114002063018	1	Cable track diagram(Not shown)
6	105031060013	1	Wiring harness, platform sensor (Not shown)
7	105049013002	1	Holder
8	105050063001	1	Wiring harness, platform(Not shown)
9	105070063040		OPT, control box ASSY (platform)
10	203050003040	1	Voice horn
11	105050063060		Angle Sensor
11-1	203150000058	1	Dual-angle bus sensor(SC:1000052)
11-2	203150003062	1	Dual-angle bus sensor(SC:1000604)
12	203150003010	2	Proximity switch
13	215040000033	11	Washer 6-A2 GB/T 97.1
14	203150000051	1	Dual-length sensor
15	114015063052		Foot switch options
15-1	203060003146	1	Foot Switch(SC:1000077)
15-2	203060000009	1	Heavy-duty foot switch(SC:1000052)
16	203080000525	6	Metal mounting clamp
17	203080003104	1	Plug with cable
18	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
19	216020000025	2	Retaining ring
20	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
21	215010000051	4	Bolt M6×20-A2-70 GB/T 5783
22	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
23	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
24	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
25	215010000237	9	Bolt M10×20-8.8-ZnD GB/T 5789
26	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
27	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
28	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
29	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
30	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
31	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
32	215040000003	1	Washer 5-A2-70 GB/T 93
33	215040000004	10	Washer 6-A2-70 GB/T 93

7.6.3.2 Load sensor options

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC：1000805)
2-2	203150000069	1	Load sensor(Single channel, SC：1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC：1000232)
2-4	203150003039	1	Load sensor(Single channel, SC：1000805)
2-5	203150003041	1	Load sensor(Single channel, SC：1000086)

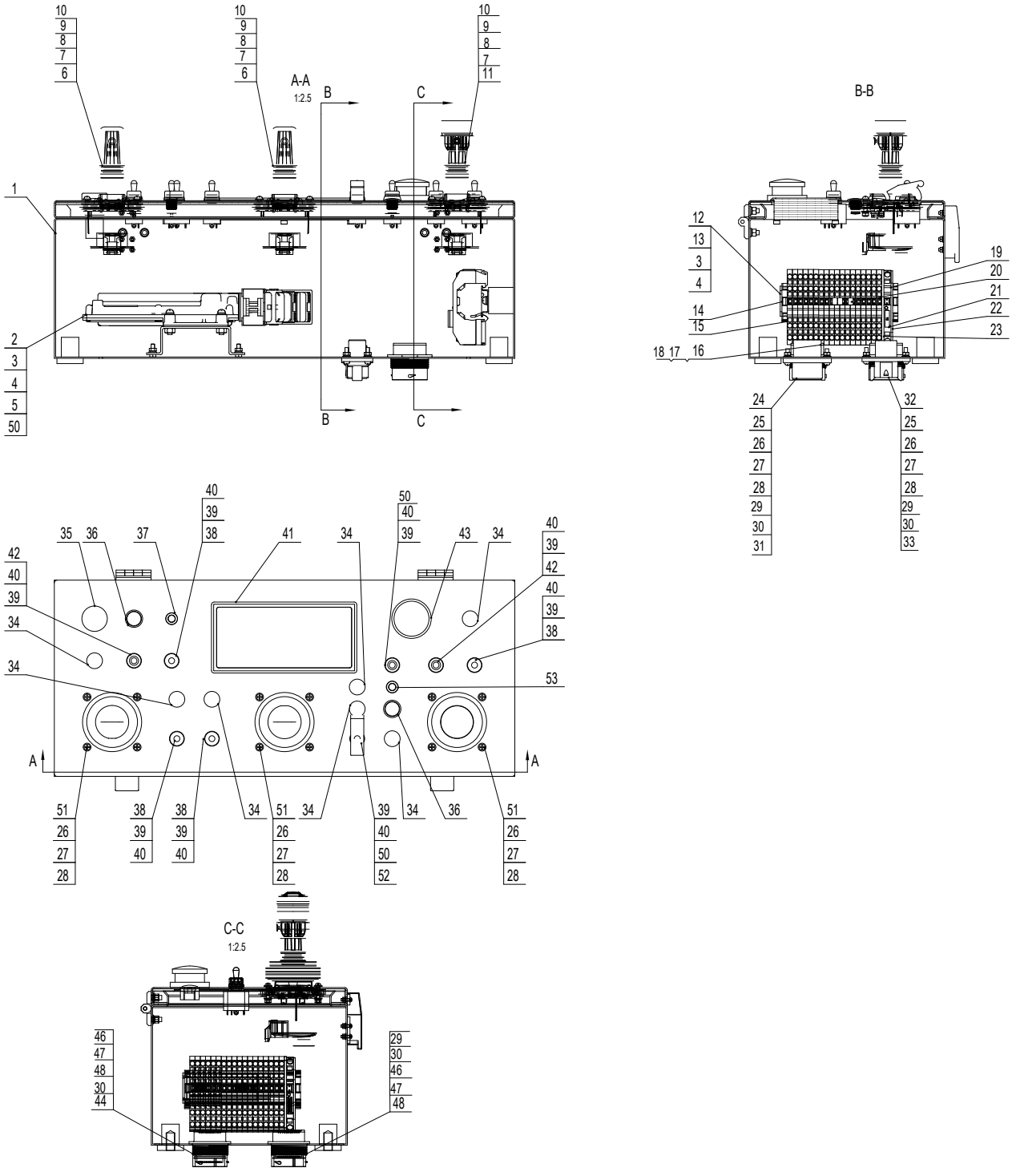
7.6.3.3 Platform Controller Assembly (PN.105050063016&105064063131)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	47	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	8	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	7	Nut

No.	Part No.	Qty.	Description
40	203080000101	7	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203050003015	1	Indicator light
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	14	Female connector
49	203080000523	1	31-pin male connector sheath
50	203080000378	1	Connector, controller
51	203060000035	1	Toggle switch
52	215020000107	12	Screw M4×20-A2-70 GB/T 818
53-1	105050063020	1	Surface film, control box (platform)(Standard configuration; Not shown)
53-2	105064063132		Platform controller face mask(Chilean; Not shown)
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063026	1	Platform control box wiring diagram(Not shown)

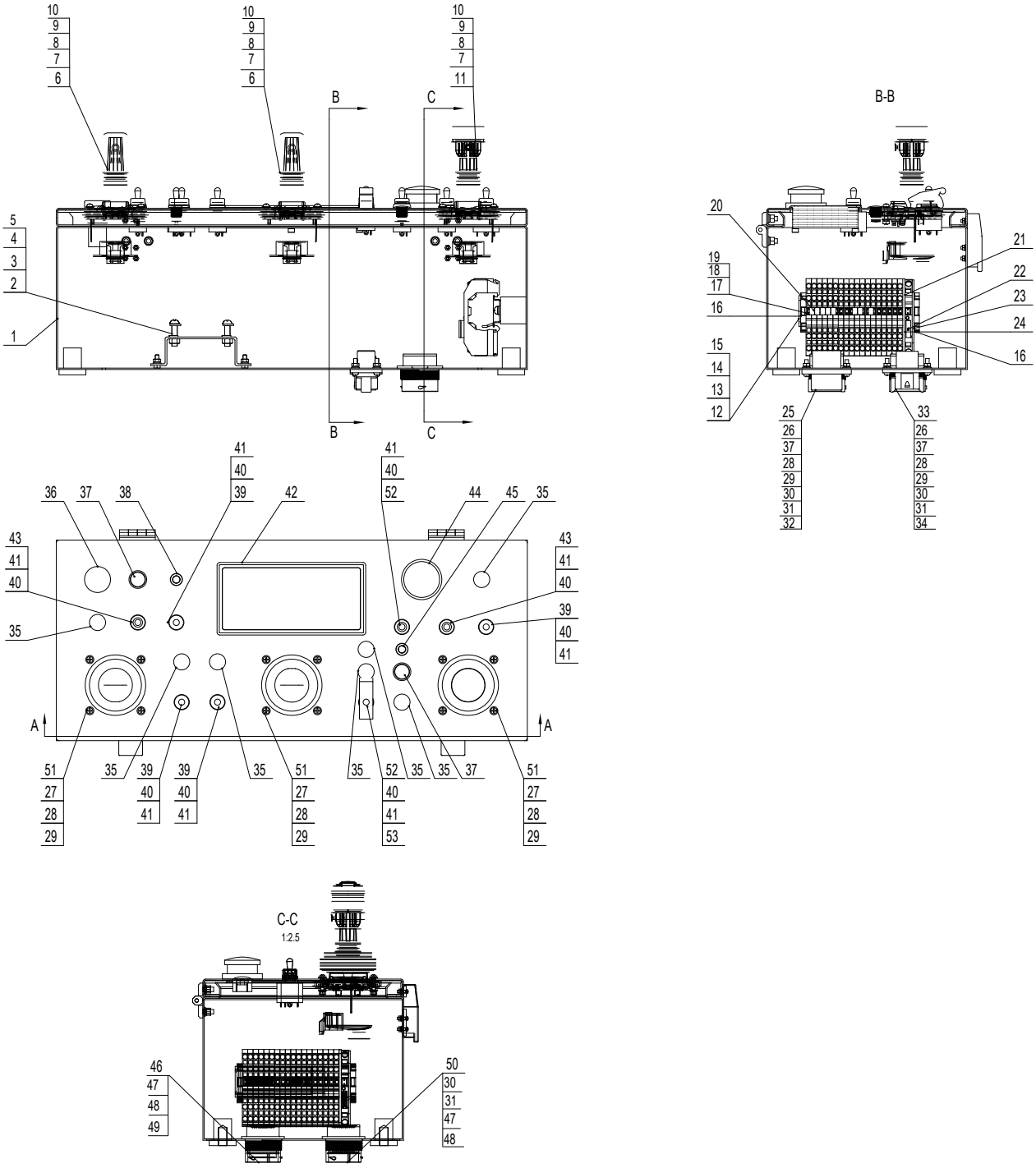
7.6.3.4 Platform Controller Assembly (PN.105050063068)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000090	1	12-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000088	1	8-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000021	2	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203080000516	1	31-pin female connector sheath
45	203060000098	2	Metal spring plate
46	203060000101	2	Retaining nut
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000035	2	Toggle switch
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000150	1	Toggle switch guard
53	203050003015	1	Indicator light
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)
56	105050063067	1	Platform control box wiring diagram(Not shown)

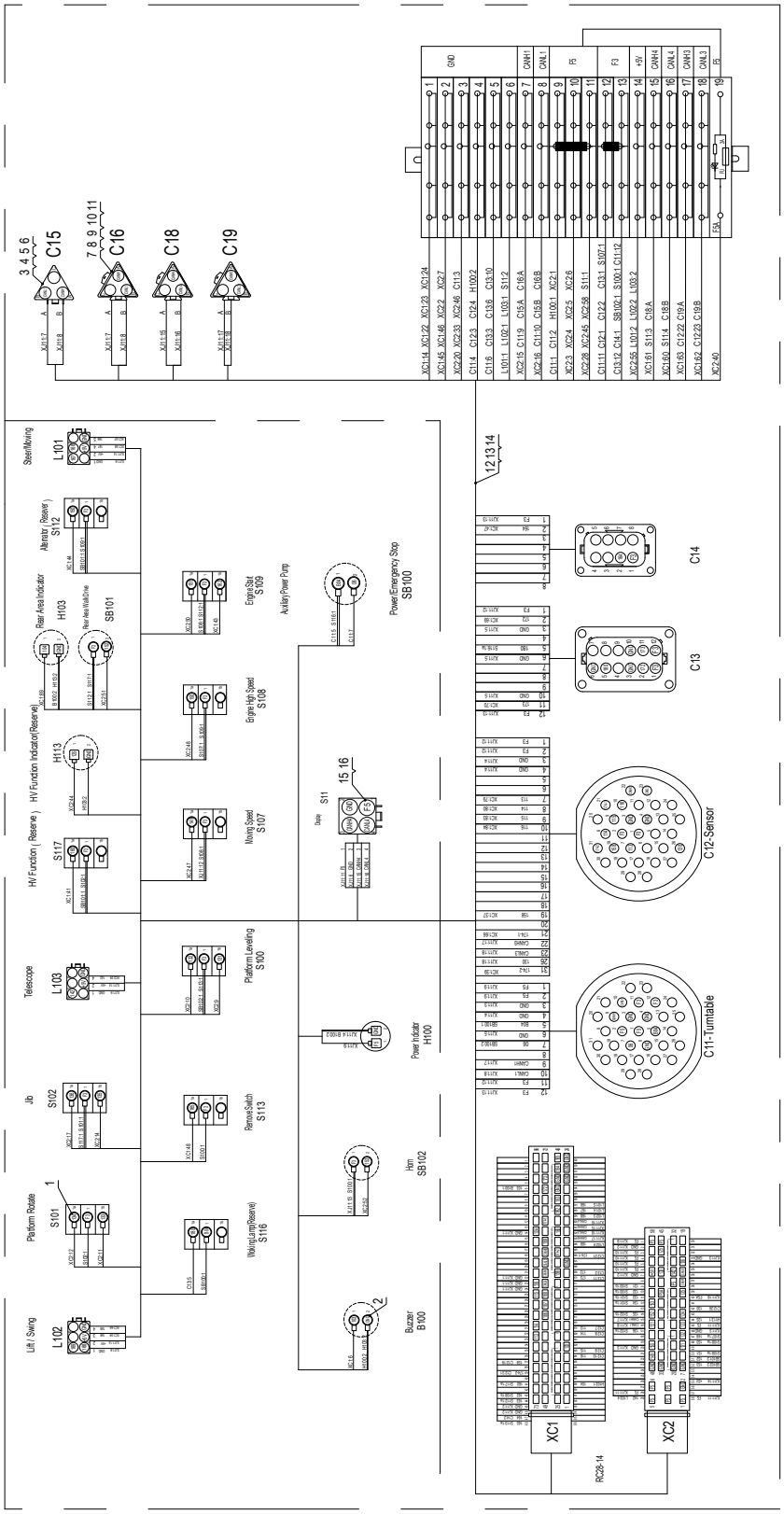
7.6.3.5 Platform Controller Assembly (PN.105064063138)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	215040000003	2	Washer 5-A2-70 GB/T 93
16	203080003053	2	Terminal block
17	203080003051	18	Common terminal
18	203080003055	1	Terminal label 11-20
19	203080003056	1	Terminal label 1-10
20	203080003058	8	Jumper
21	203080003057	1	Fuse terminal
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000090	1	12-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	47	Blind plug
32	203080000157	1	Lock
33	203060000088	1	8-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	7	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	4	Toggle switch

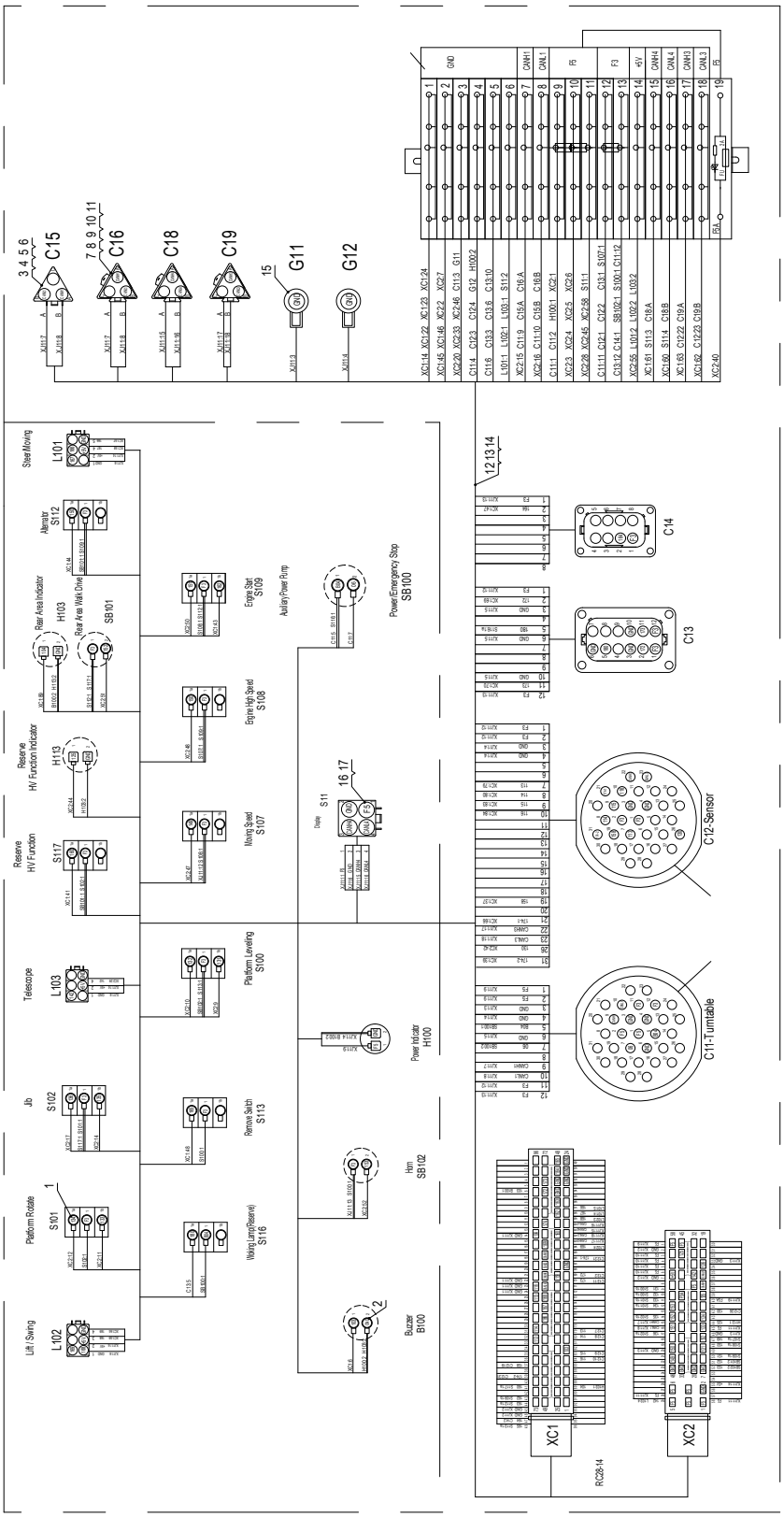
No.	Part No.	Qty.	Description
40	203080000109	8	Nut
41	203080000101	8	Waterproof cap
42	203200003002	1	Gauge
43	203060000021	2	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203050003015	1	Indicator light
46	203080000516	1	31-pin female connector sheath
47	203060000098	2	Metal spring plate
48	203060000101	2	Retaining nut
49	203080000041	14	Female connector
50	203080000523	1	31-pin male connector sheath
51	215020000107	12	Screw M4×20-A2-70 GB/T 818
52	203060000035	2	Toggle switch
53	203060000150	1	Toggle switch guard
54	105050063021	1	PC film, control box (platform)(Not shown)
55	105050063020	1	Surface film, control box (platform)(Not shown)
56	105050063026	1	Platform control box wiring diagram(Not shown)
57	203020000038	1	Controller(Not shown)

7.6.3.6 Platform Controller Wiring Diagram (PN.105050063026)



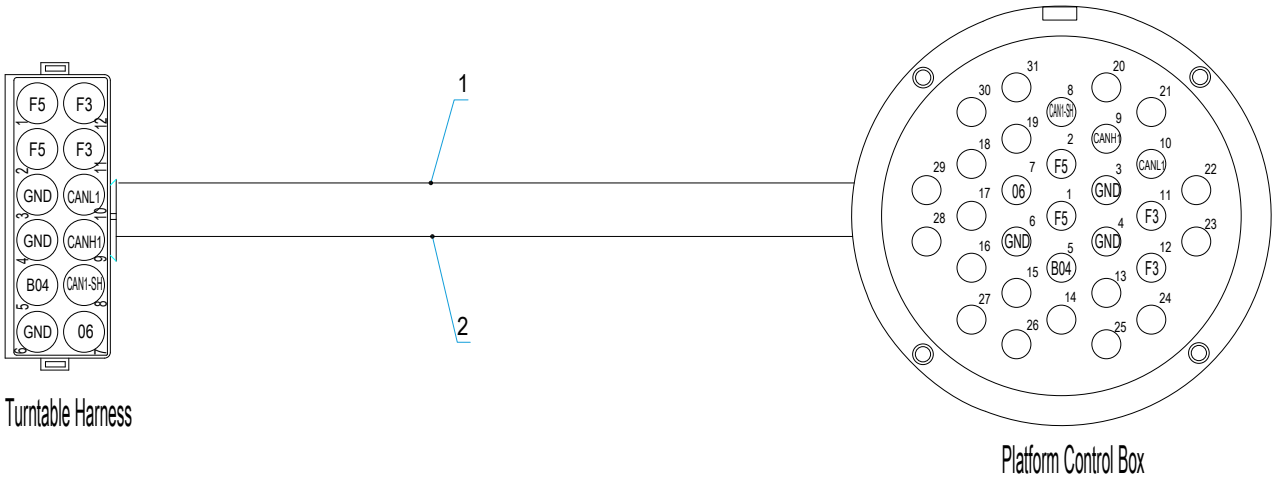
No.	Part No.	Qty.	Description
	105050063026	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.6.3.7 Platform Controller Wiring Diagram (PN.105050063067)



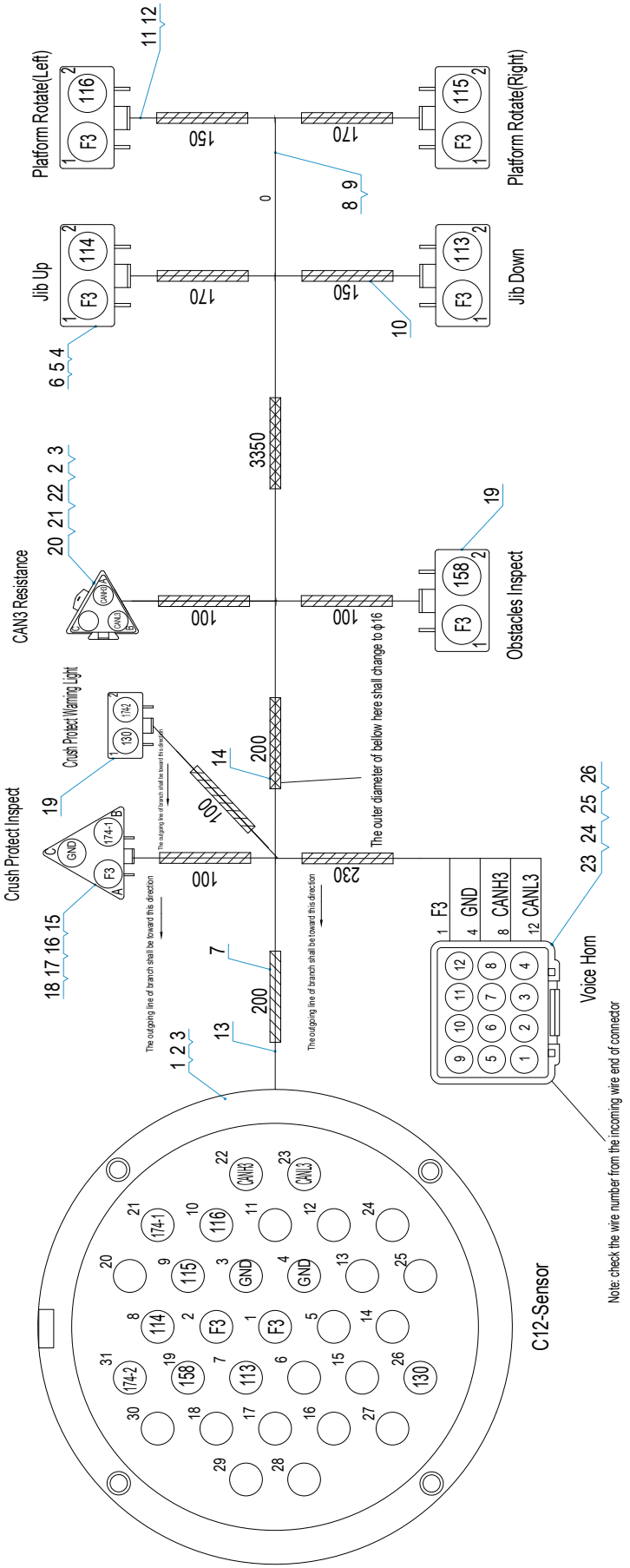
No.	Part No.	Qty.	Description
	105050063067	1	Platform control box wiring diagram
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000133	2	Terminal, blade-hole type
16	203080000044	1	Sheath
17	203080000020	1	Lock

7.6.3.8 Cable Track Diagram (PN.114002063018)



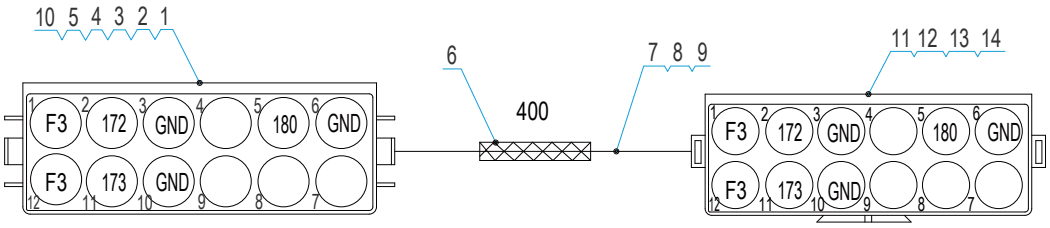
No.	Part No.	Qty.	Description
	114002063018	1	Cable track diagram
1	203080003310	1	Drag chain cable
2	203080003311	1	Drag chain cable (CAN Bus)

7.6.3.9 Wiring harness, platform(PN.105050063001)



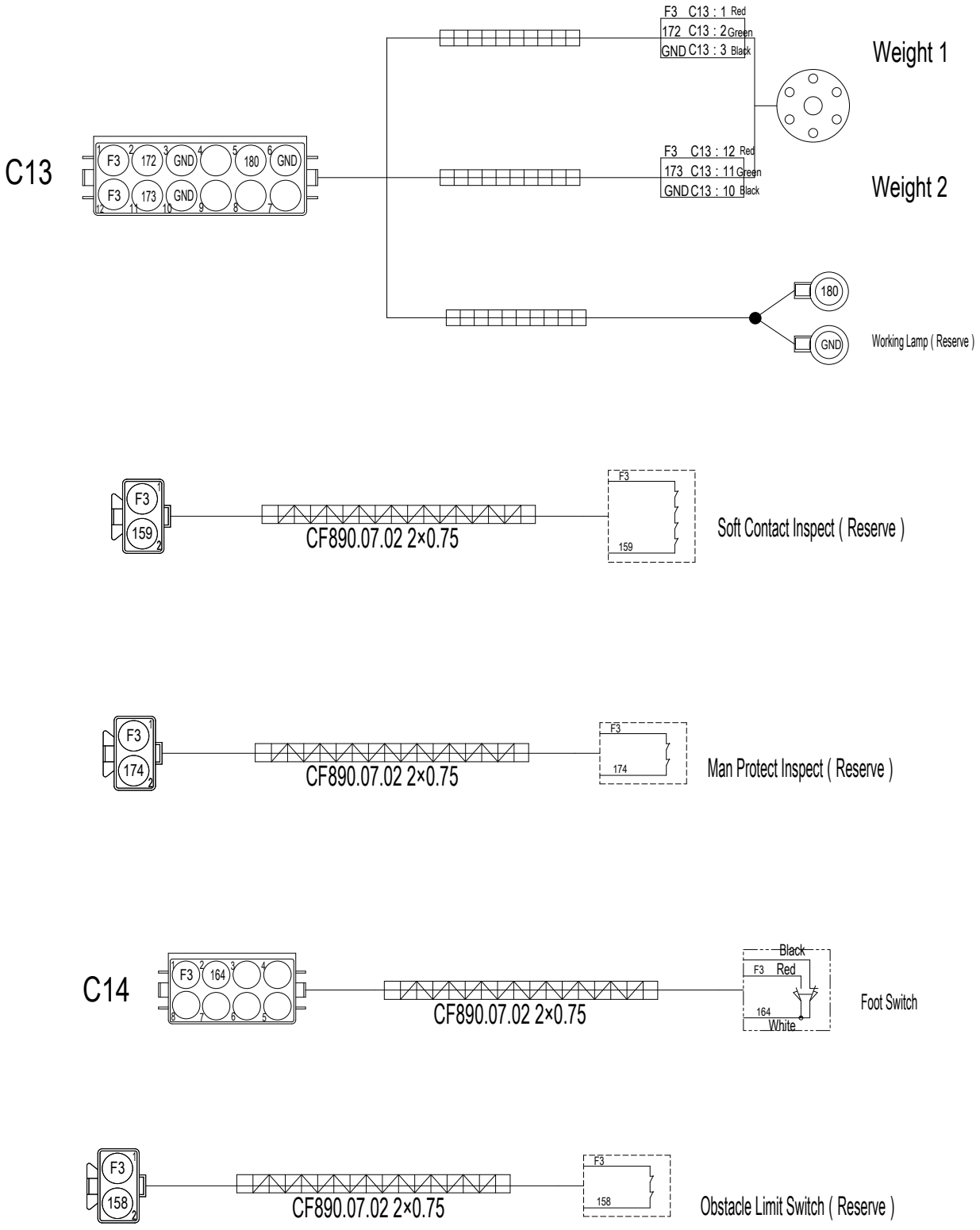
No.	Part No.	Qty.	Description
	105050063001	1	Wiring harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

7.6.3.10 Platform Harness (PN.103006063009)



No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1m	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

7.6.3.11 Platform Sensor Harness (PN.105031060013)

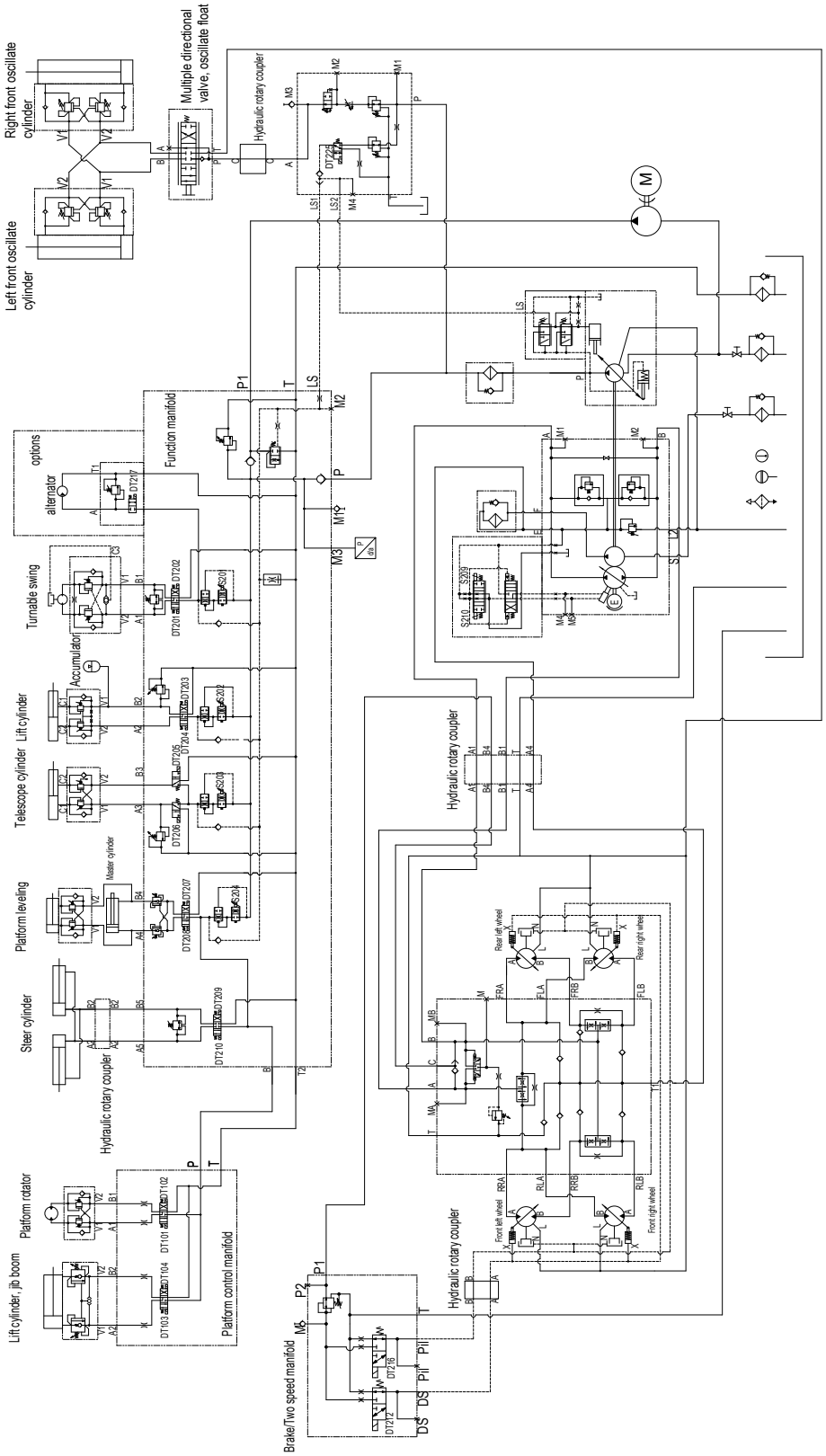


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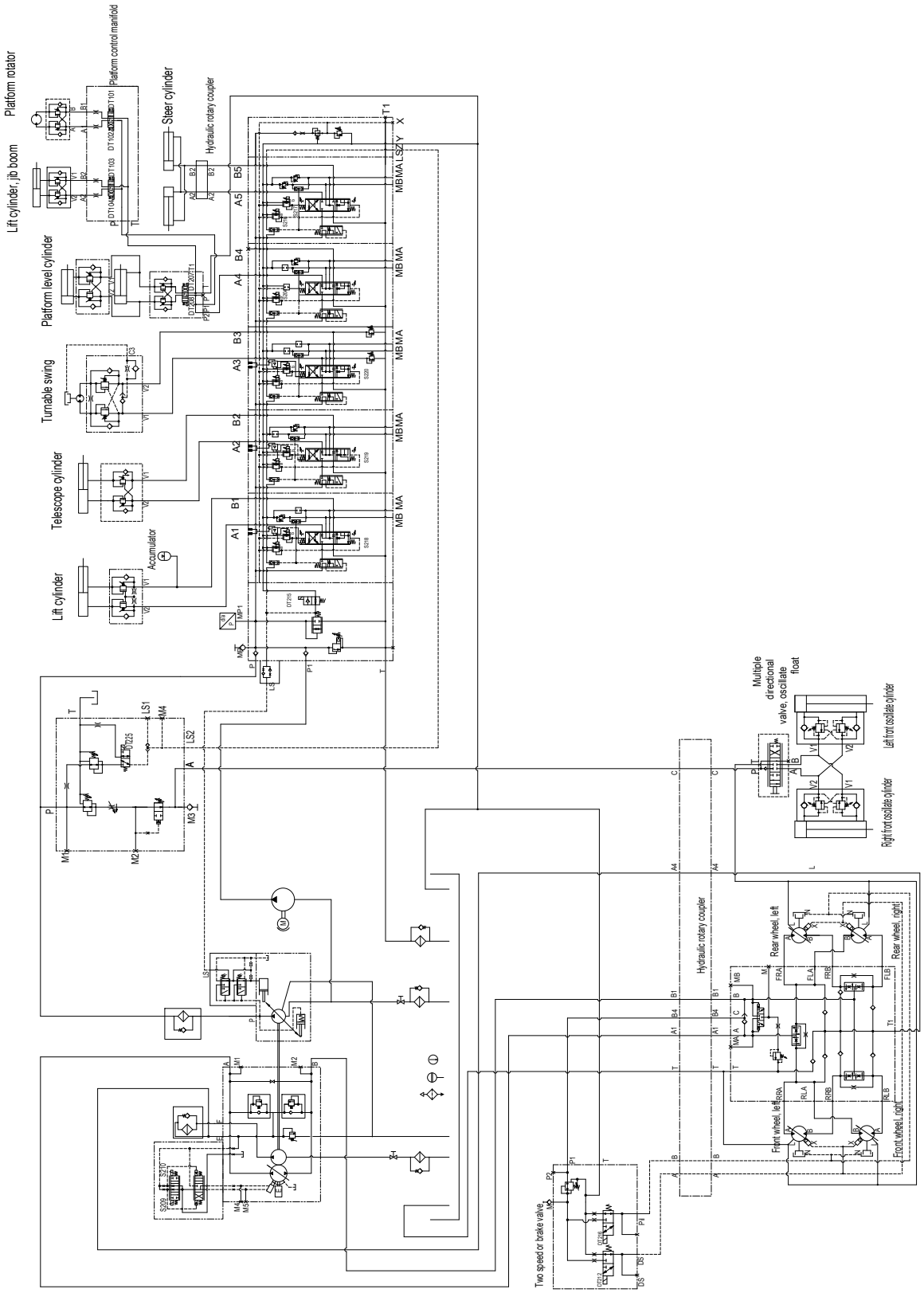
8 SCHEMATIC DIAGRAM

8.1 HYDRAULIC SCHEMATIC DIAGRAM

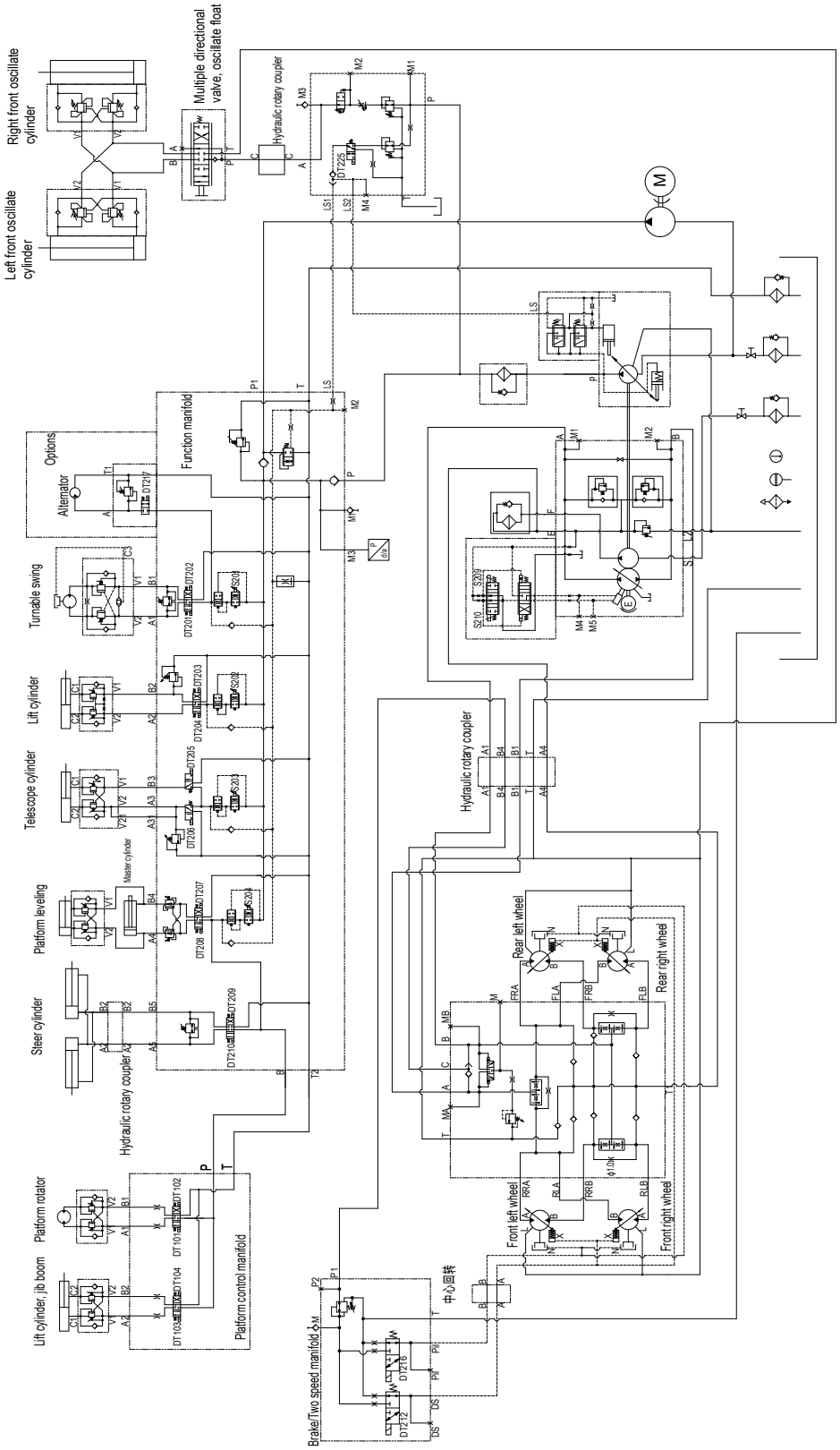
TB20J PlusHydraulic Schematic Diagram (Threaded cartridge valve)



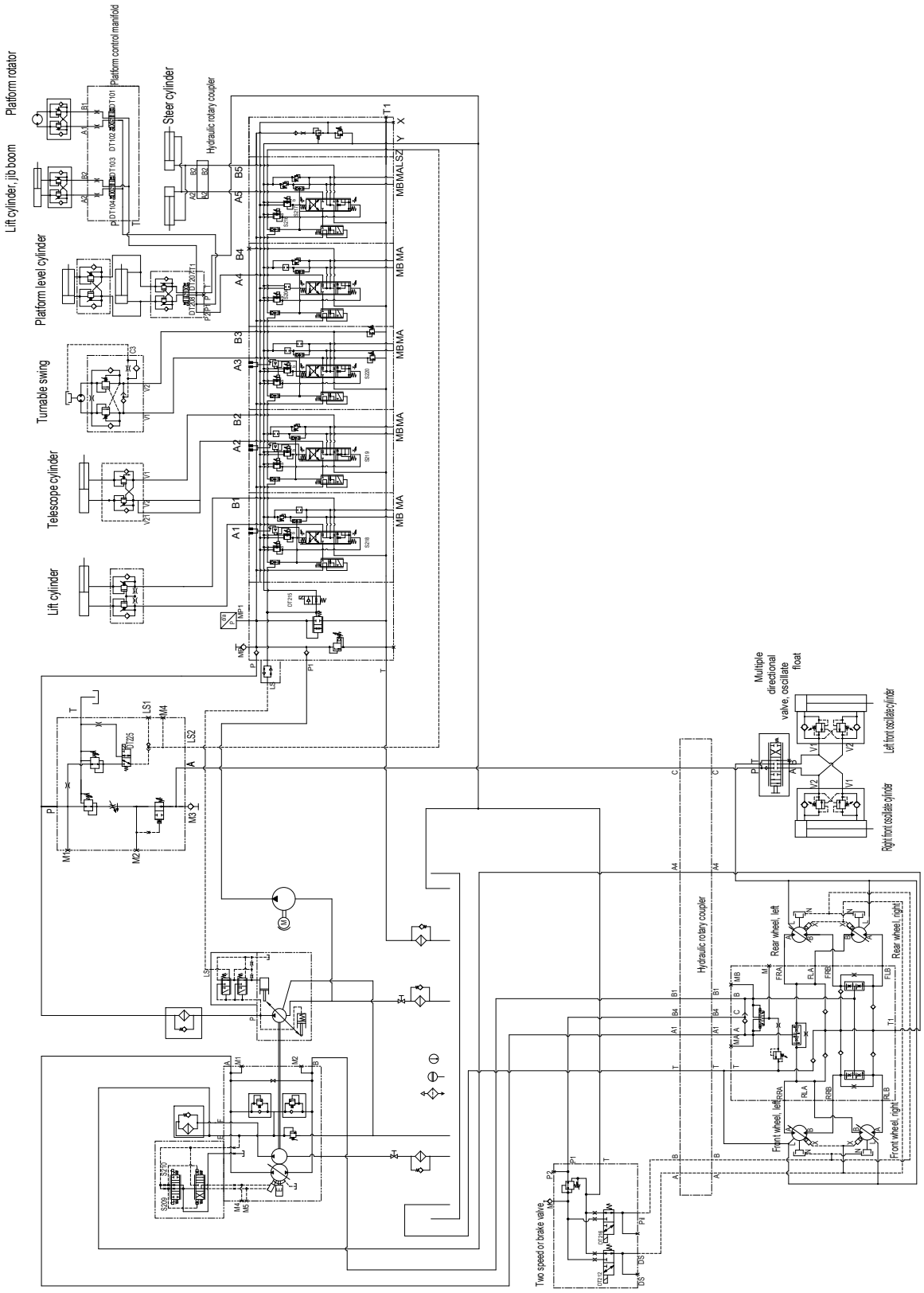
TB20J PlusHydraulic Schematic Diagram (with Multi-way Valve)



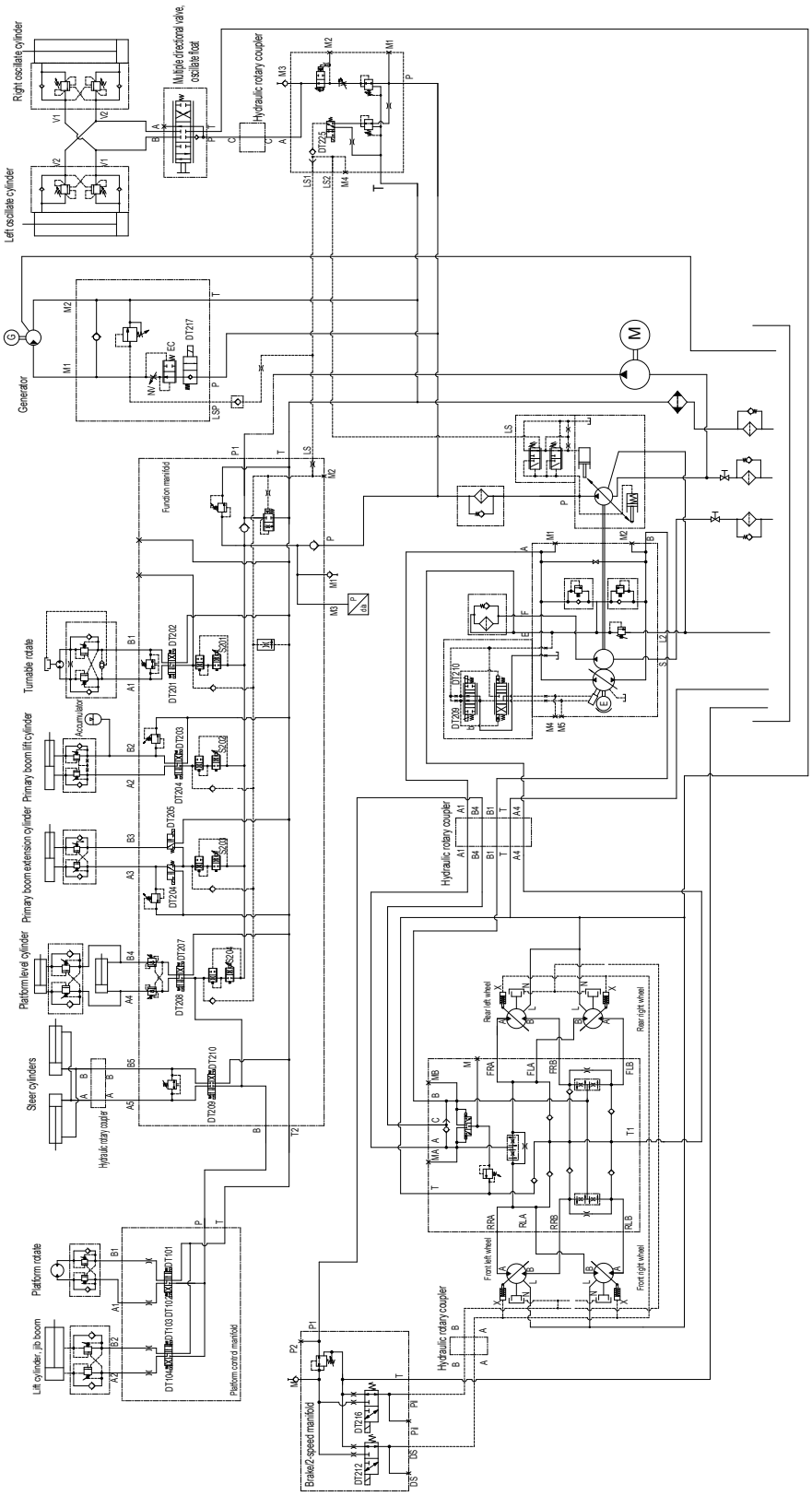
Hydraulic Schematic Diagram (Threaded cartridge valve)



Hydraulic Schematic Diagram (with Multi-way Valve)



Hydraulic Schematic Diagram (with Hydraulic Generator)

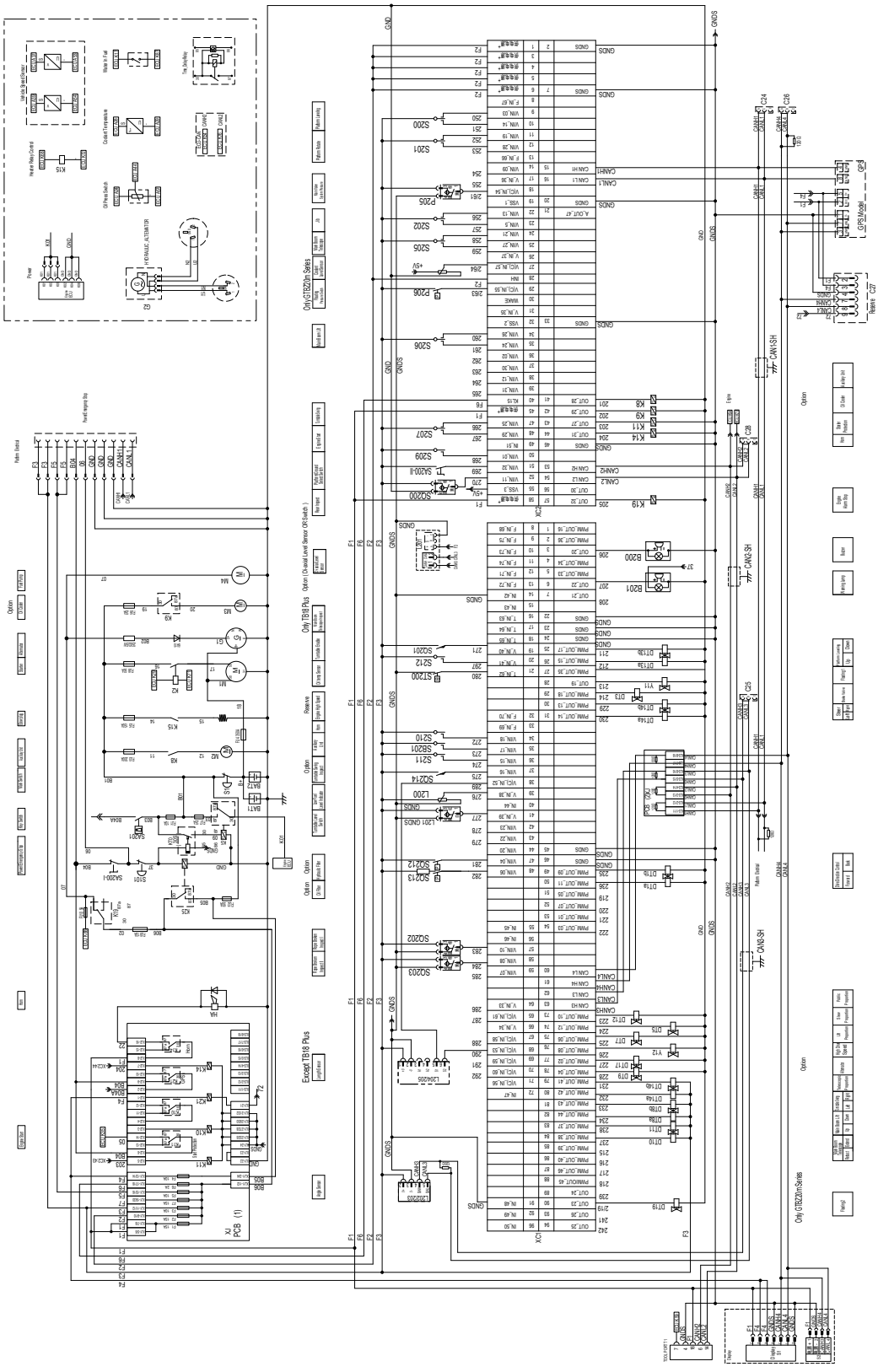


8.2 ELECTRICAL SCHEMATIC DIAGRAM

8.2.1 ELECTRICAL SCHEMATIC DIAGRAM OF TURNTABLE

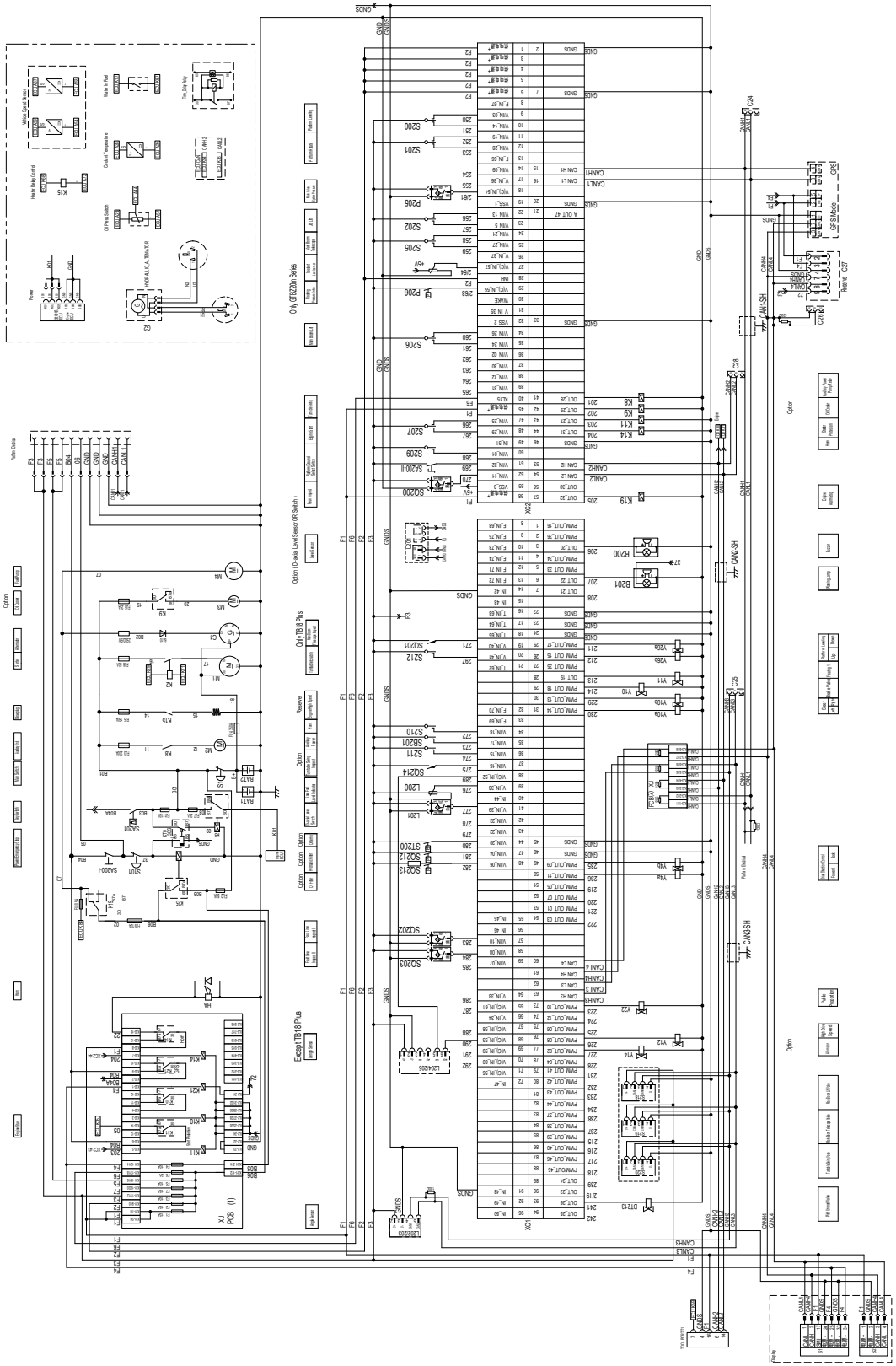
8.2.1.1

Electrical Schematic Diagram of Turntable, YUCHAI YCF3050/China T4 (with Cartridge Valve)



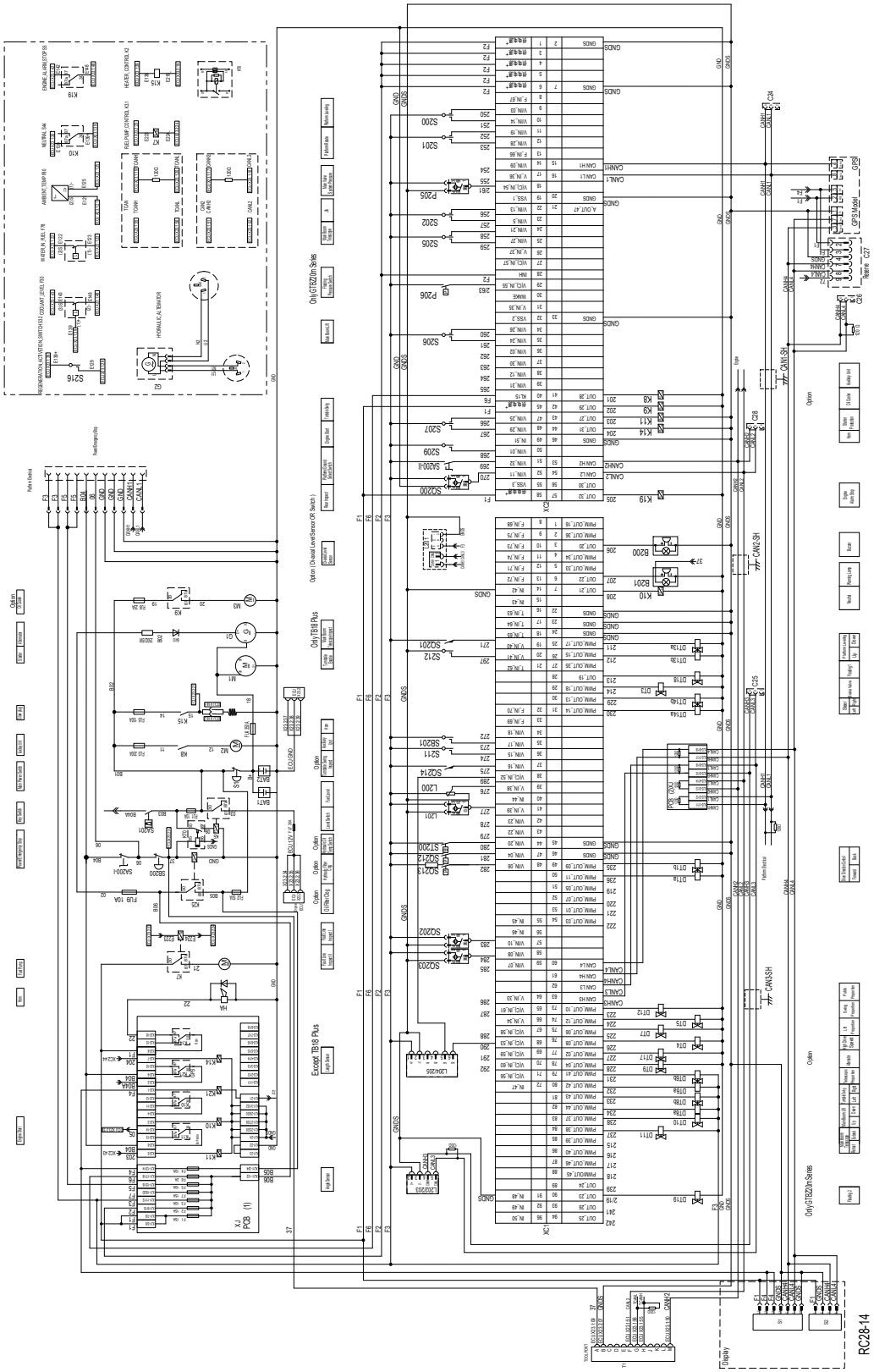
8.2.1.2

Electrical Schematic Diagram of Turntable, YUCHAI YCF3050/China T4 (with Multi-way Valve)



8.2.1.3

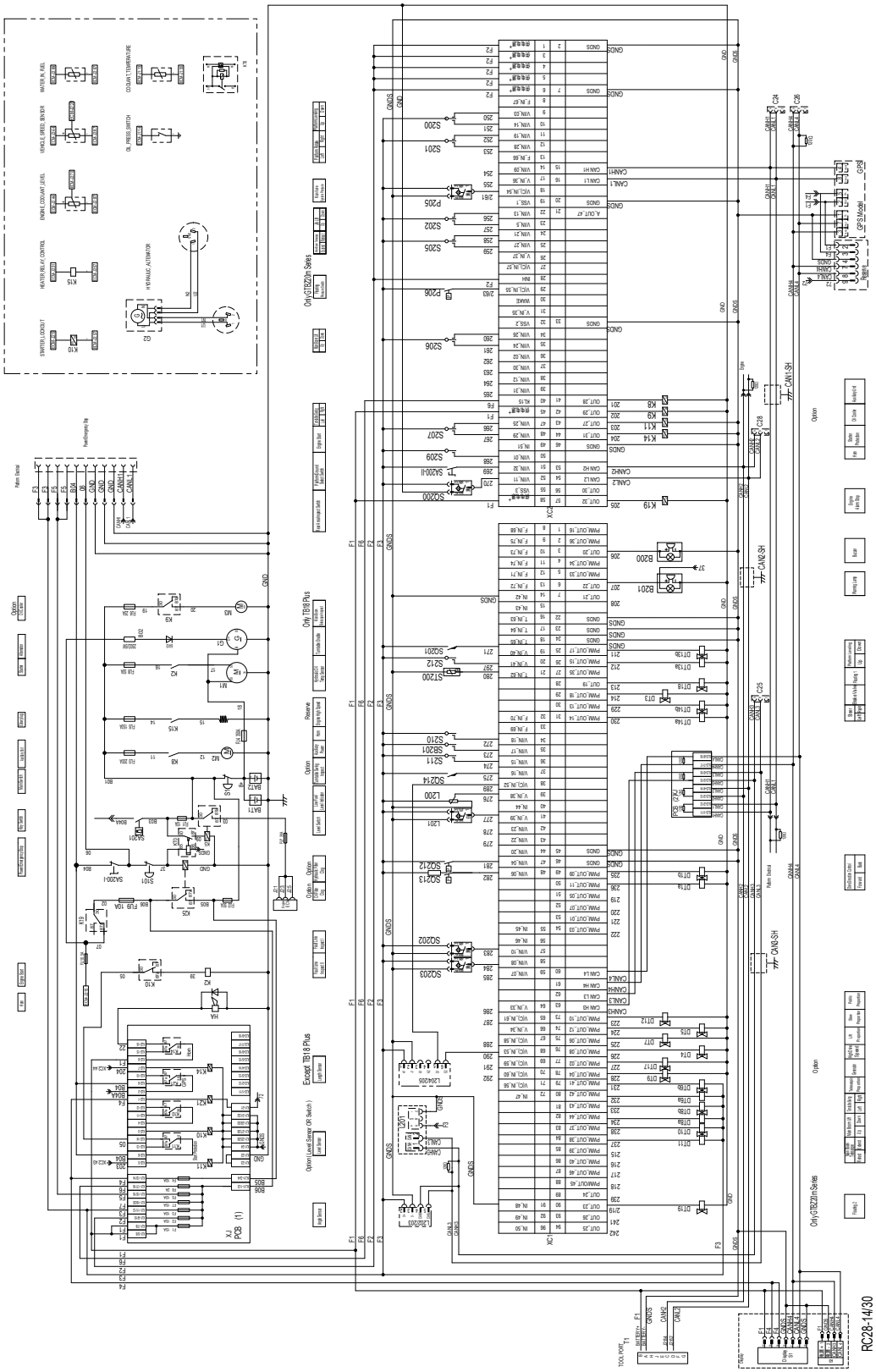
Electrical Schematic Diagram of Turntable (Deutz D2.9 L4/Euro Phase V)



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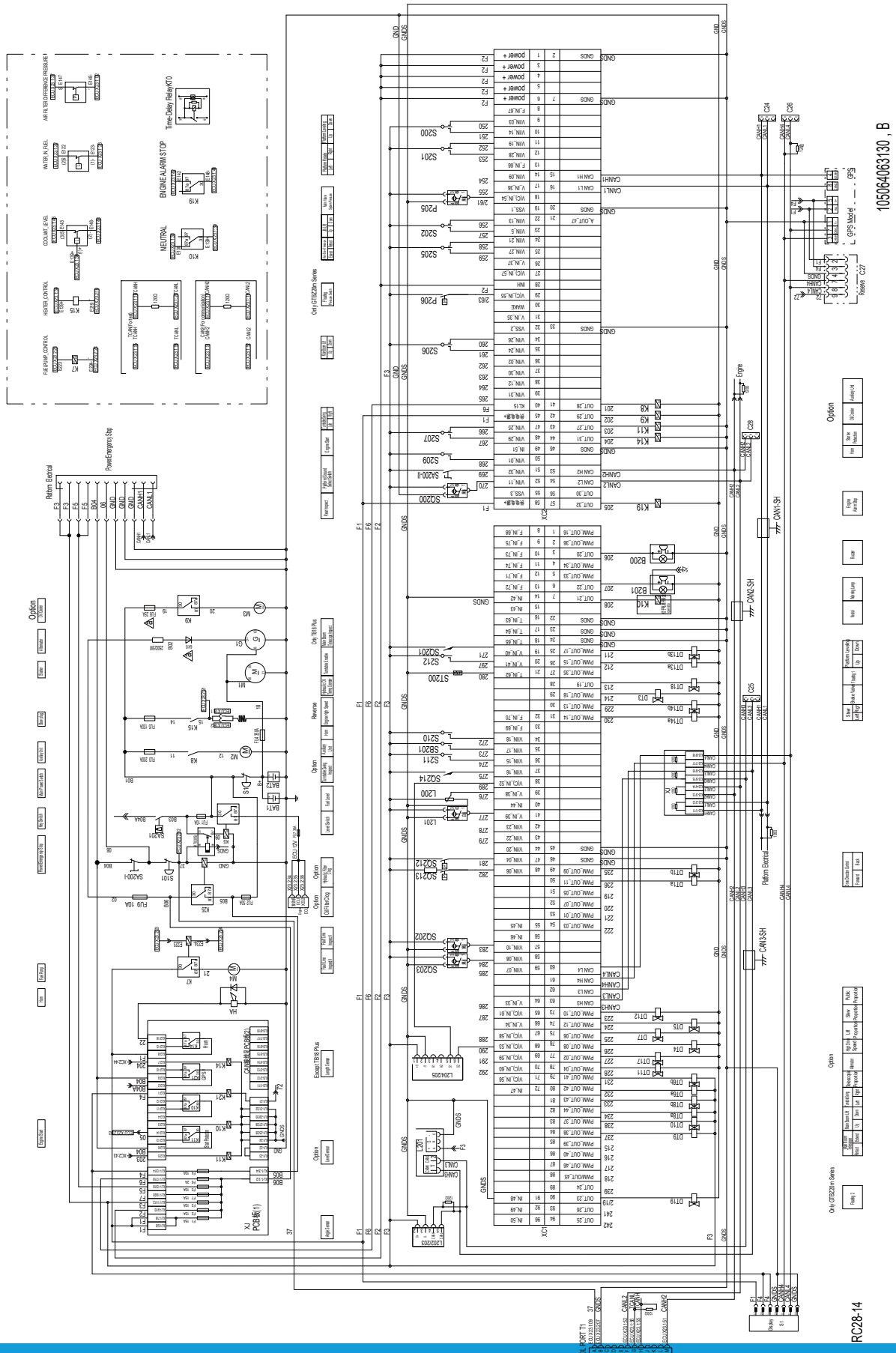
8.2.1.4

Electrical Schematic Diagram of Turntable (Cummins QSF2.8/China 3, with hydraulic generator)



8.2.1.5

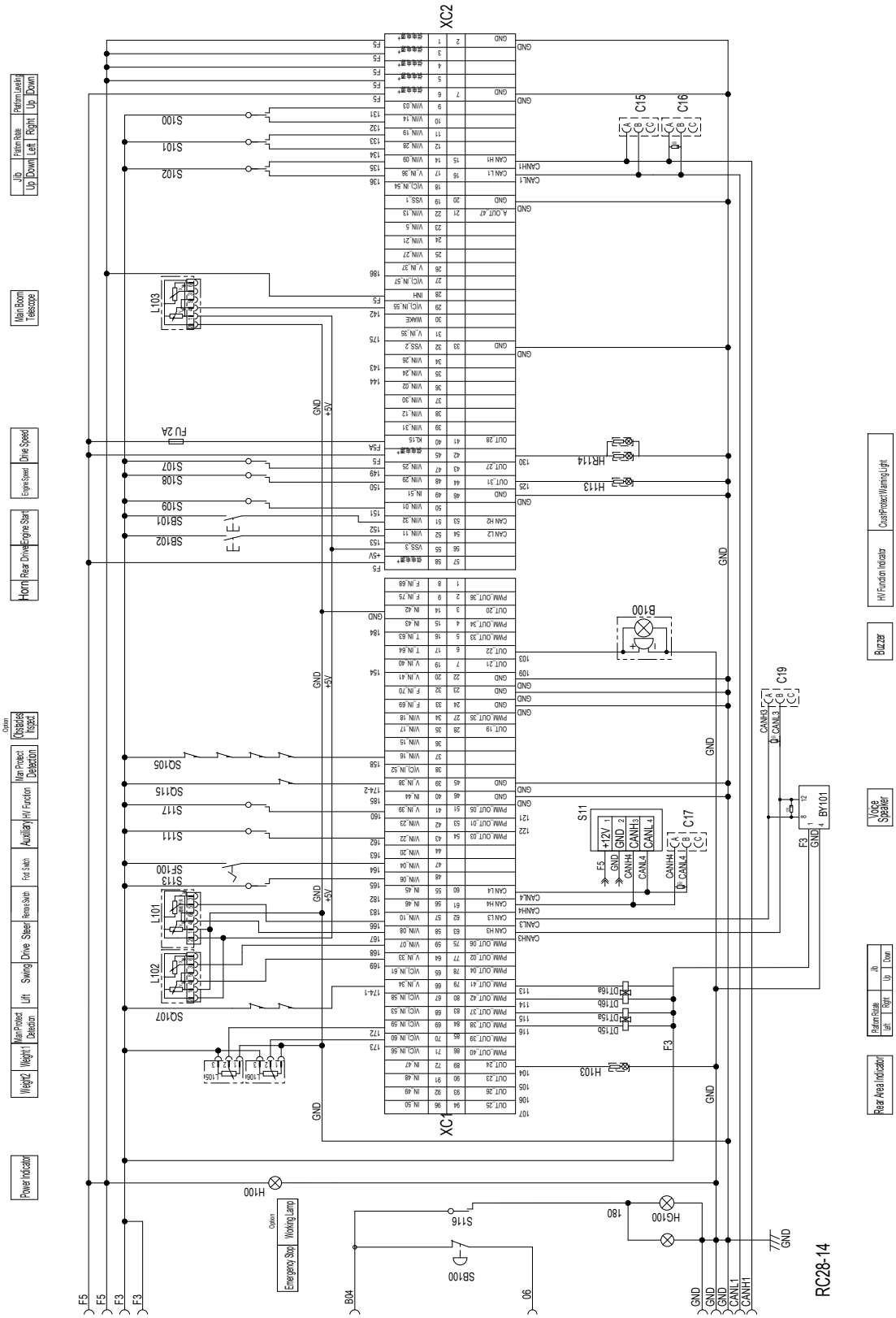
Electrical Schematic Diagram – Turntable (Deutz D2.9L4 T4f/EPA Tier 4)



8.2.2 ELECTRICAL SCHEMATIC DIAGRAM OF PLATFORM

8.2.2.1

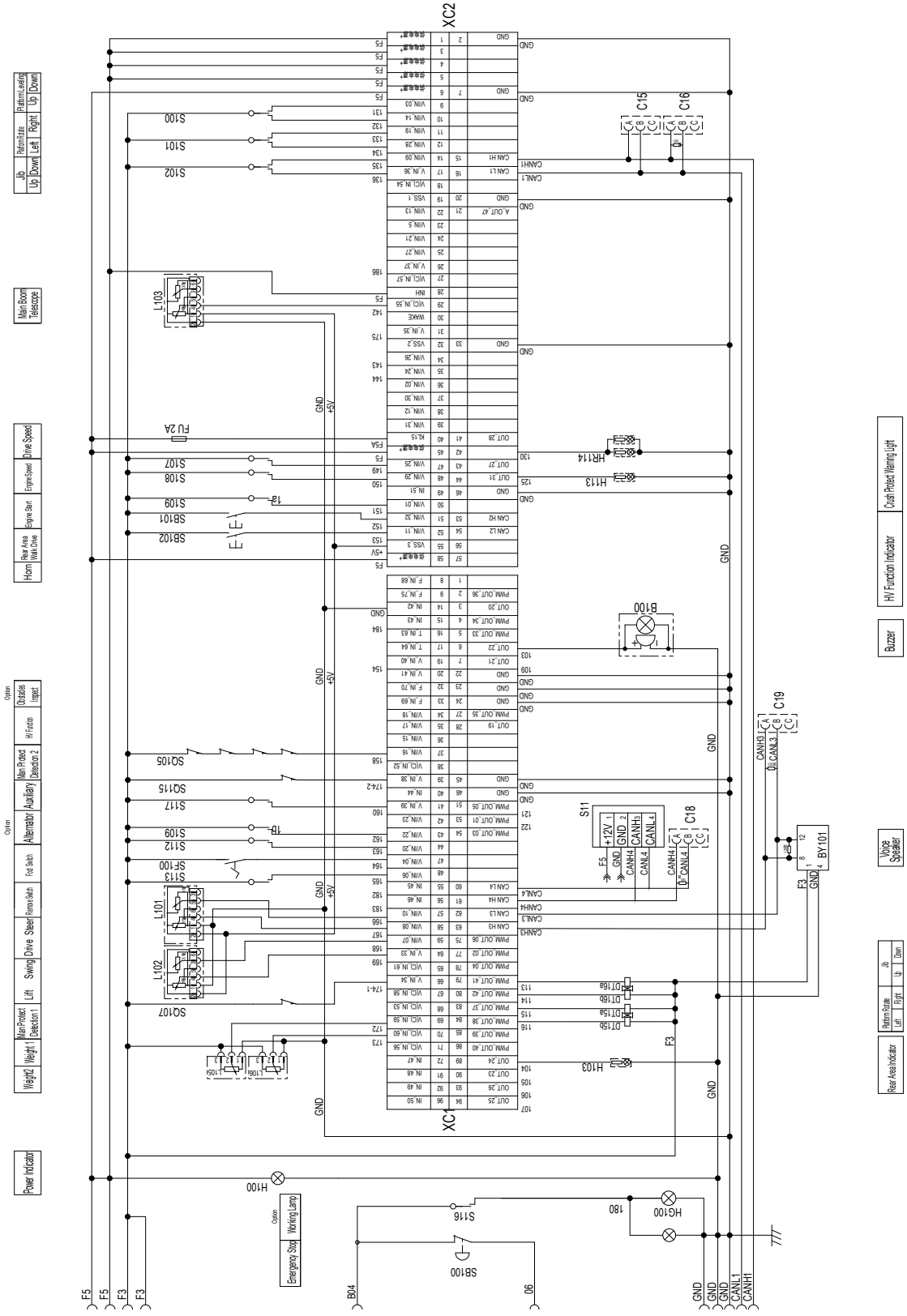
Electrical Schematic Diagram of Turntable, YUCHAI YCF3050/China T4



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8.2.2.2

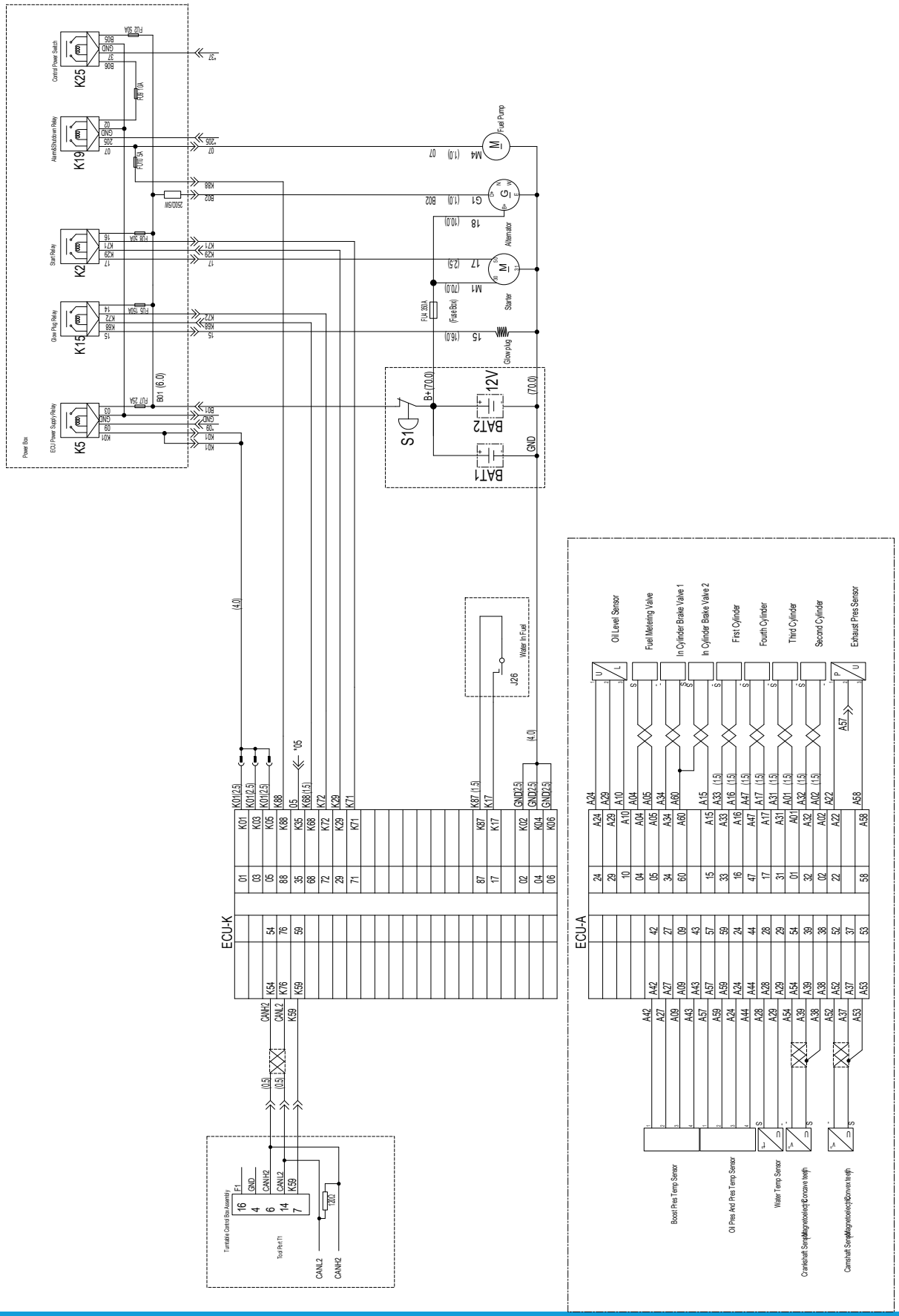
Electrical Schematic Diagram of Platform (Cummins QSF2.8/China 3, Deutz D2.9 L4/EPA Tier 4/Euro Phase V, with hydraulic generator)



8.2.3 ELECTRICAL SCHEMATIC DIAGRAM OF ENGINE

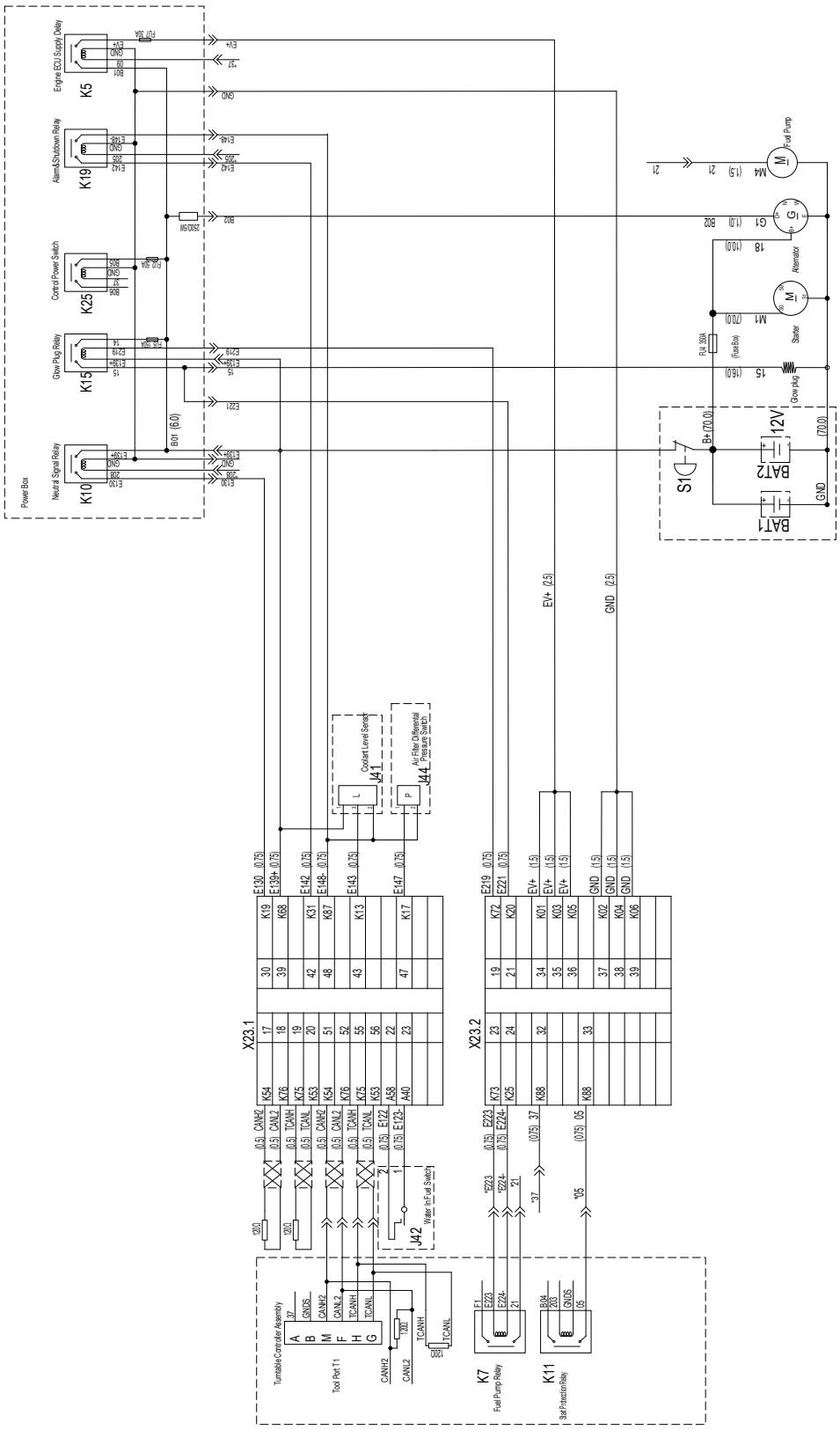
8.2.3.1

Electrical Schematic Diagram – Engine (Yuchai/China IV/36.8kW)



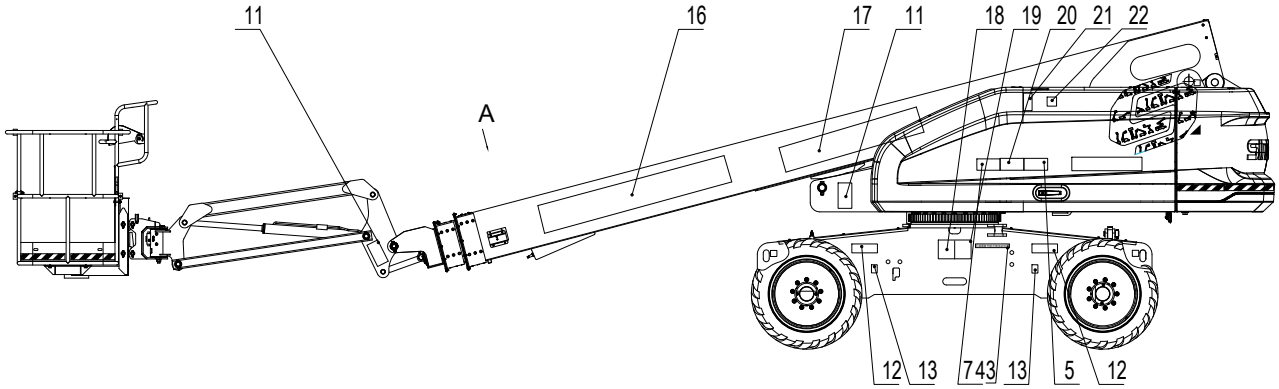
8.2.3.2

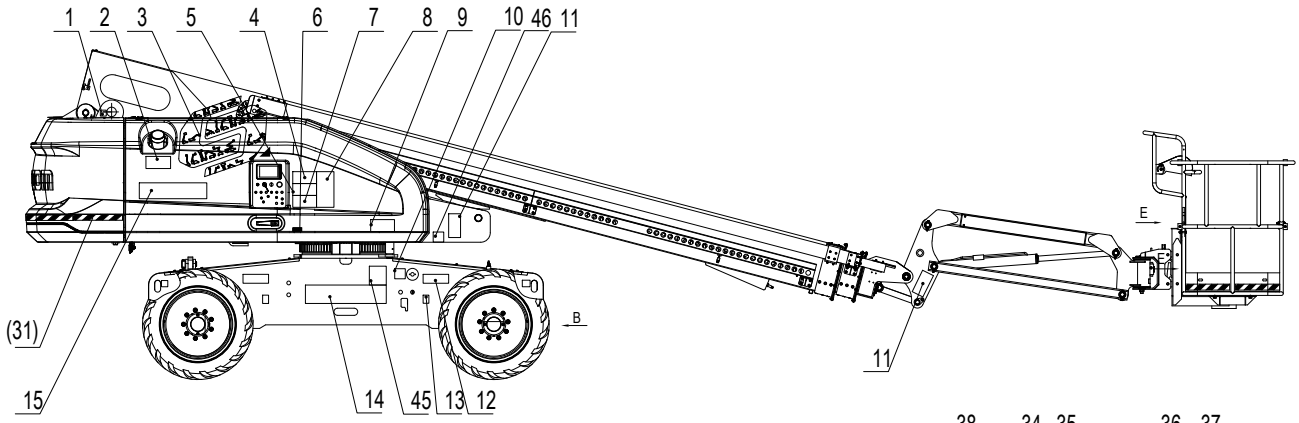
Electrical Schematic Diagram – Engine (Deutz D2.9L4 T4f/EPA Tier 4)

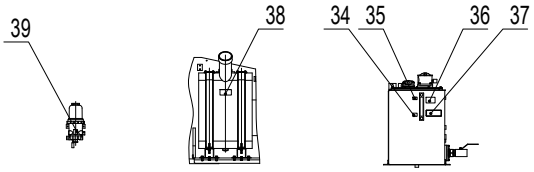


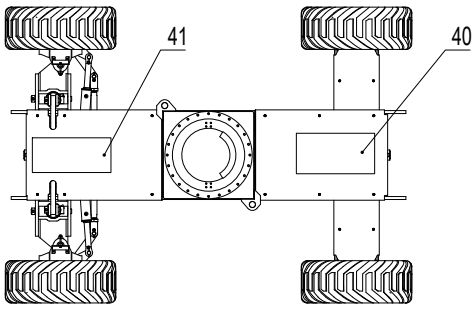
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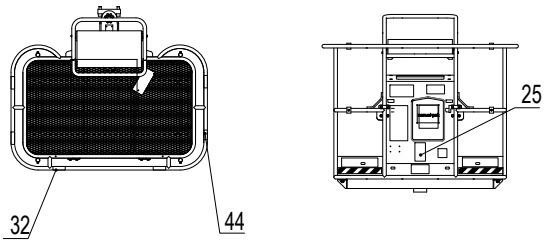
9 DECALS DIAGRAM

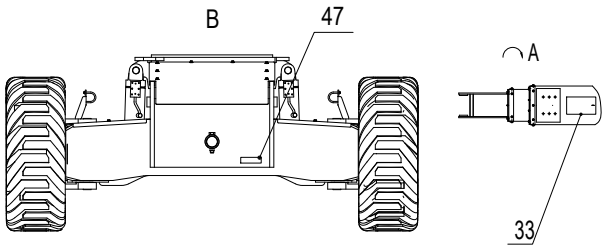

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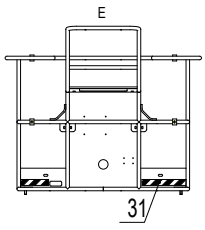

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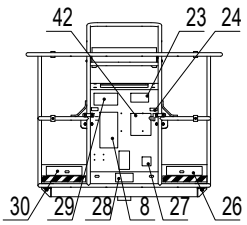

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No.	GB	CE-Metric	CE-Imperial	AS	CSA	ANSI	Note	Qty.
	105050103002	105050103005	105050103017	105050103016	105050103014	105050103010	General diagram of decals positions	1
1	104011100002	104011100002	104011100002	104011100002	104011100002	104011100002	Decal-Lifting point	6
2	104011100014	104011100014	104011100014	104011100014	104011100014	104011100014	Decal-Explosion hazard	1
3	105045103002	105045103002	105045103002	105045103002	105045103002	105045103002	LOGO-Symbol (large)	2
4	104011100013	104011100013	104011100013	104011100013	104011100013	104011100013	Decal-Electrocution hazard	1
5	104011100007	104011100007	104011100007	104011100007	104011100007	104011100007	Decal-Tipping hazard	2
6	\	\	\	\	101040103015	101040103015	Decal-Annual inspection date	1
7	104011100006	104011100006	104011100006	104011100006	104011100006	104011100006	Decal-Compartment overhaul	2
8	104011100020	104011100020	104011100020	104011100020	104011100020	104011100020	Decal-General safety instructions	2
9	104011100022	104011100022	104011100022	104011100022	104011100022	104011100022	Decal-Turntable rotary lock	1
10	104011100016	104011100016	104011100016	\	104011100016	104011100016	Decal-Emergency stop button	1
11	104011100011	104011100011	104011100011	104011100011	104011100011	104011100011	Decal-Crushing hazard	4
12	104011100001	104011100001	104011100001	104011100001	104011100001	104011100001	Decal-Tipping hazard	4
13	105050103009	105050103009	105050103009	105050103009	113002103008	113002103008	Decal-Load on ground of 6740kg	4
14	103003100004	105001100050	105001100050	105001100050	105001100050	105001100050	Decal-Contact information	1
15	105050103000	105050103000	105050103012	105050103000	105050103012	105050103012	Decal-Trade ID (small)	2
16	105057103001	105057103001	105057103001	105057103001	105057103001	105057103001	LOGO-SINOBOOM (large)	1
17	105050103001	105050103001	105050103011	105050103001	105050103011	105050103011	Decal-Trade ID (large)	1
18	105001100057	103011103012	103011103012	105045103004	103004103004	103004103004	Nameplate	1

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No.	GB	CE-Metric	CE-Imperial	AS	CSA	ANSI	Note	Qty.
19	215050000001	215050000001	215050000001	215050000001	215050000001	215050000001	Blind rivet 3×8-ZnD	4
20	104011100005	104011100005	104011100005	104011100005	104011100005	104011100005	Decal-Explosion hazard	1
21	104011100018	104011100018	104011100018	104011100018	104011100018	104011100018	Decal-Burn hazard	1
22	104011100008	104011100008	104011100008	104011100008	104011100008	104011100008	Decal-Noise level of 82dB	1
23	104011100009	104011100009	104011100009	104011100009	104011100009	104011100009	Decal-Read manuals	1
24	101048100014	101016100030	101016100030	101016100030	101016100030	101016100030	Decal-Anchor point	2
25	\	\	\	\	105029103023	105029103023	Decal-Operation instructions	1
26	105046103004	105046103004	105046103004	105046103004	105046103004	105046103004	Decal-Rated platform capacity of 454kg	1
27	104011100017	104011100017	104011100017	104011100017	104011100017	104011100017	Decal-Foot switch	1
28	104011100019	104011100019	104011100019	104011100019	104011100019	104011100019	Decal-Crushing hazard	1
29	105021100003	105021100003	105021100003	105021100003	105021100003	105021100003	Decal-Tipping hazard	1
30	103007103002	103007103002	103007103002	103007103002	103007103002	103007103002	Decal-Tipping hazard	1
31	216060000002	216060000002	216060000002	216060000002	216060000002	216060000002	Yellow & black hazard warning stripe tape	5
32	104011100021	104011100021	104011100021	104011100021	104011100021	104011100021	Decal-Crushing hazard	4
33	104011100012	104011100012	104011100012	104011100012	104011100012	104011100012	Decal-Fall hazard	1
34	104011100003	104011100003	104011100003	104011100003	104011100003	104011100003	Decal-Hydraulic oil level	1
35	104011100010	104011100010	104011100010	104011100010	104011100010	104011100010	Decal-Hydraulic oil level	1
36	104010100021	104010100021	104010100021	104010100021	104010100021	104010100021	Decal-Applicable temperature range	1
37	104009100018	104009100022	104009100022	104009100022	104009100022	104009100022	Decal-Hydraulic oil marking	1
38	104009100019	104009100021	104009100021	104009100021	104009100021	104009100021	Decal-Diesel fuel marking	1

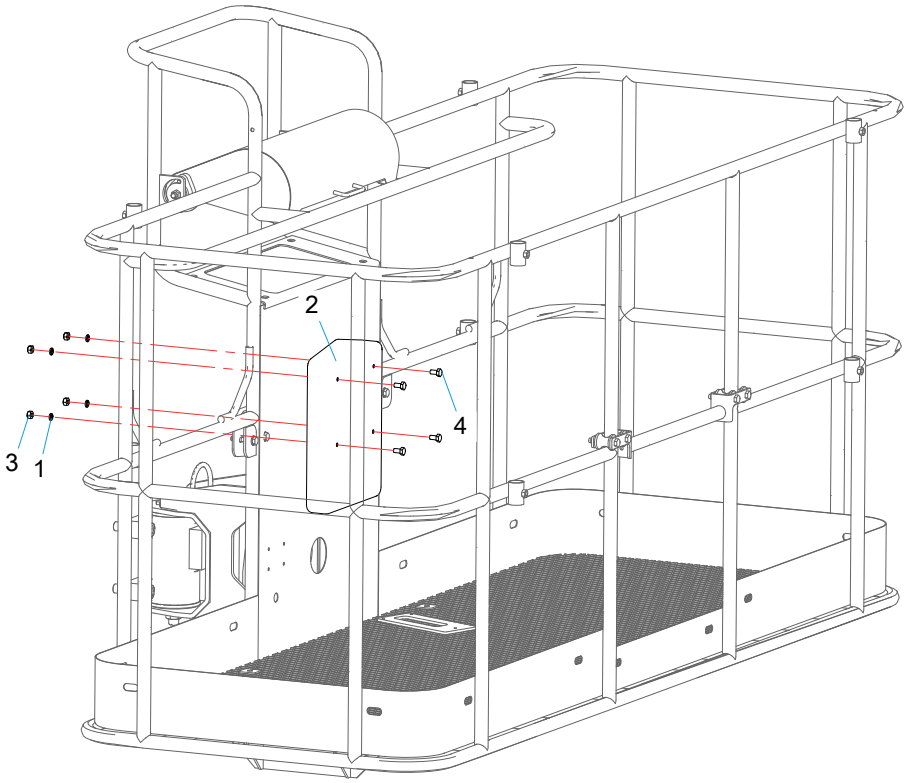
No.	GB	CE-Metric	CE-Imperial	AS	CSA	ANSI	Note	Qty.
39	104009100020	104009100020	104009100020	104009100020	104009100020	104009100020	Decal-Oil-water separator	1
40	105001100051	105001100051	105001100051	105001100051	105001100051	105001100051	Decal-Direction marking	1
41	105001100053	105001100053	105001100053	105001100053	105001100053	105001100053	Decal-Direction marking	1
42	105050103008	105050103008	105050103008	105050103008	105050103008	105050103008	Decal-Diagram of working envelope	1
43	Environmental information code imprint position	\	\	\	\	\	\	1
44	\	\	\	\	103010103014	103010103014	Decal-Non-insulated	3
45	114006103012	\	\	\	\	\	Decal-QR code	1
46	\	\	\	104024103001	\	\	Decal-Emergency stop button	1
47	\	\	\	101014100032	\	\	Decal-Serial number	1

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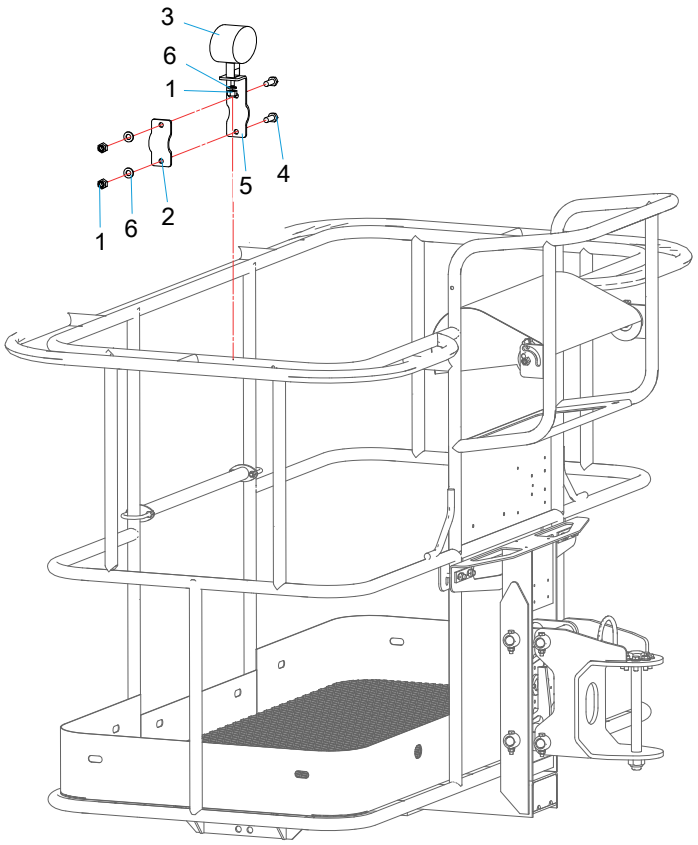
10 OPTIONS

10.1 MANUAL STORAGE CONTAINER INSTALLATION



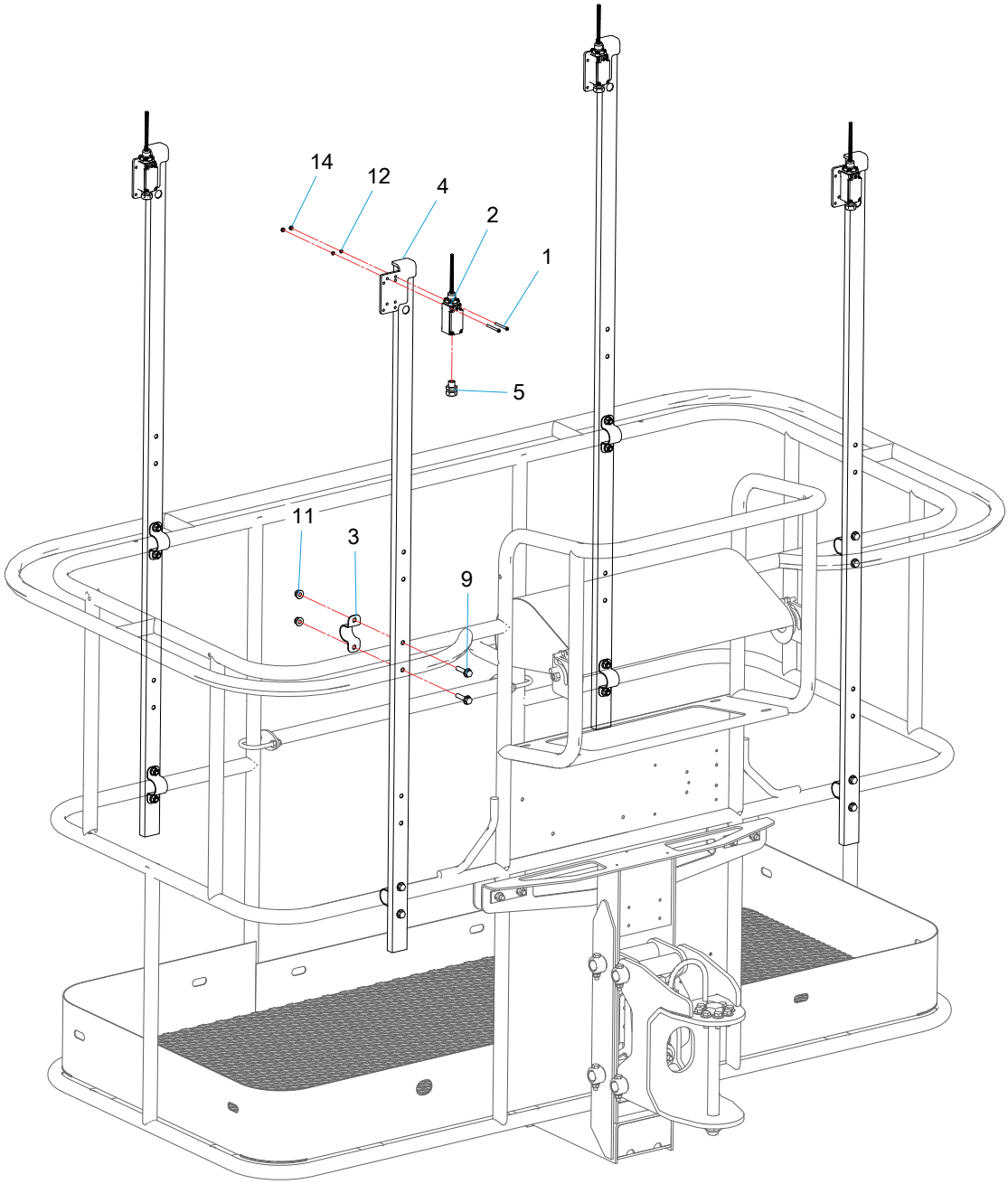
No.	Part No.	Qty.	Description
	105017040003	1	Manual storage container installation
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

10.2 WORKLIGHT INSTALLATION



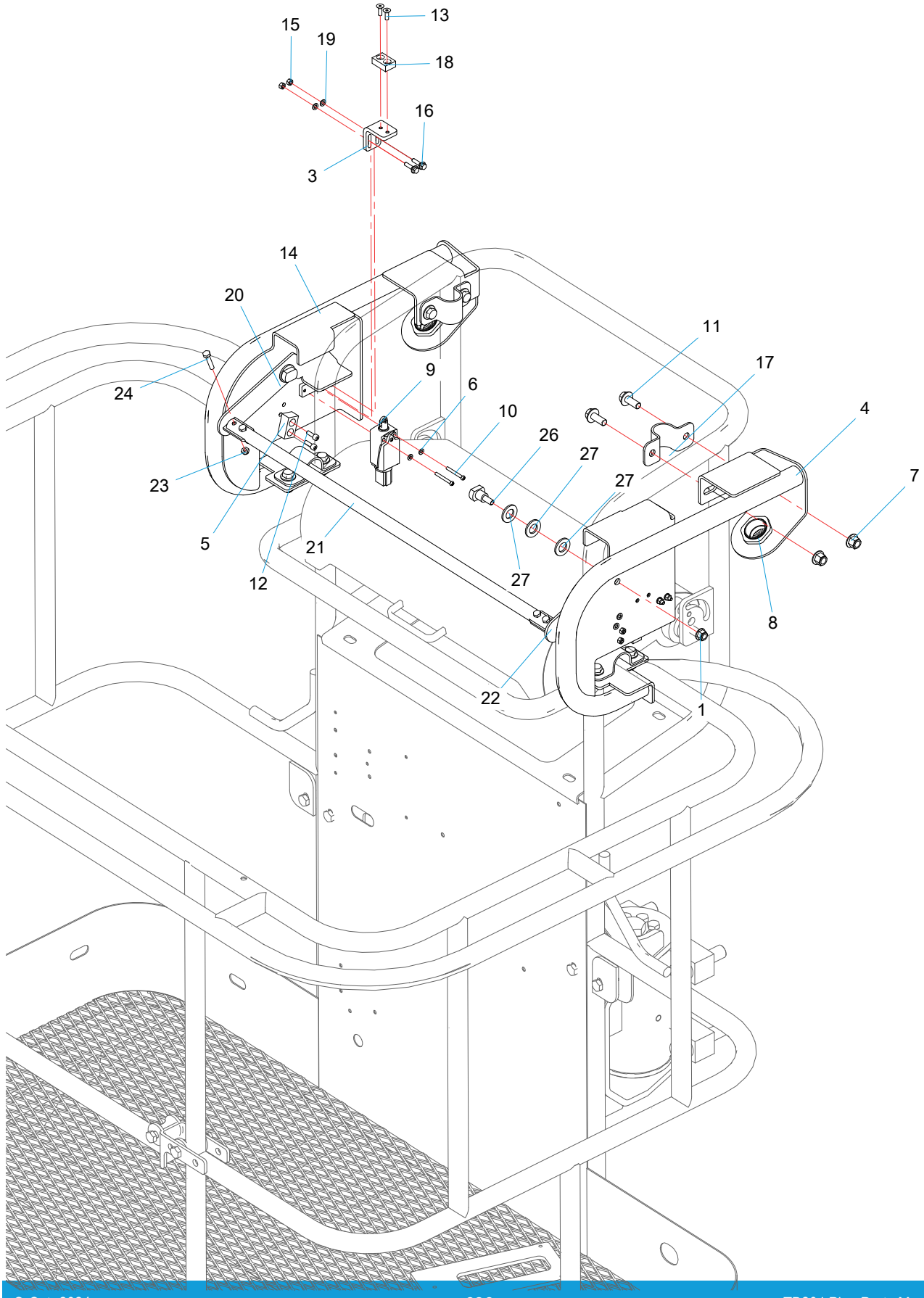
No.	Part No.	Qty.	Description
	105017060065	1	Worklight installation
1	215030000026	3	Nut M8-8-ZnD GB/T889.1
2	105017060067	1	Plate
3	203050000059	1	Lamp,illuminating
4	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
5	105017060066	1	Plate
6	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1
7	203080000104	2	Cable, copper-cored(Not shown)
8	203080000033	2	Male connector(Not shown)
9	203080000021	1	Lock(Not shown)
10	203080000011	1	Sheath(Not shown)

10.3 OVERHEAD PROTECTION INSTALLATION



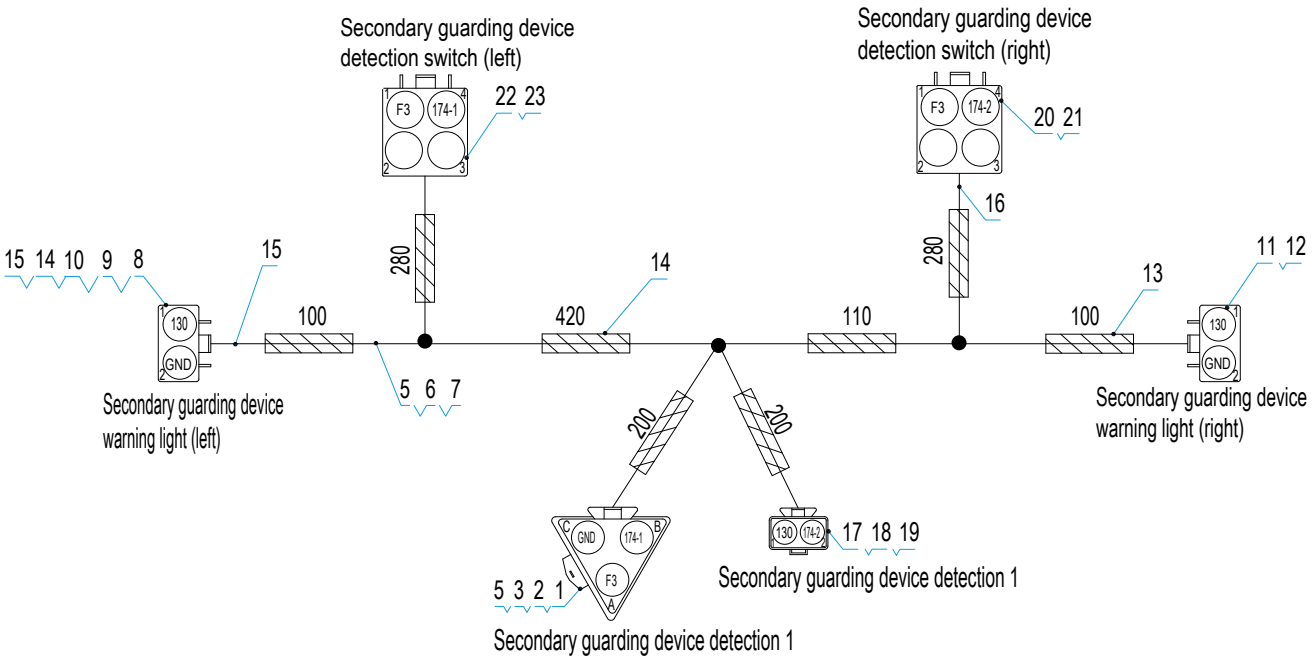
No.	Part No.	Qty.	Description
	105017060062	1	Limit device installation
1	215020000213	8	Screw M4×40-A2-70 GB/T 818
2	203060000056	4	Travel switch
3	103011043003	8	Plate
4	105064043216	4	Height Limit Pole
5	203990000005	4	Nylon waterproof connector
6	203080000021	1	Lock(Not shown)
7	203080000041	2	Female connector(Not shown)
8	203080000016	1	Lock(Not shown)
9	215010000296	16	Bolt M8×35-8.8 ZnD GB/T 5789
10	203080000033	2	Male connector(Not shown)
11	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
12	215040000002	8	Washer 4-A2-70 GB/T 93
13	203080000011	1	Sheath(Not shown)
14	215030000002	8	Nut M4-8-A2-70 GB/T 6170
15	203080000024	1	Sheath(Not shown)

10.4 SECONDARY GUARDING INSTALLATION



No.	Part No.	Qty.	Description
	105070043033	1	Anti-pinch device installation
1	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
2	105078063081	1	Harness, anti-pinch device(Not shown)
3	105070043028	2	Plate, folded
4	105070043030	1	bracket
5	103010013495	2	Pad
6	215040000031	4	Washer 4-A2 GB/T 97.1
7	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
8	203050003058	2	Light, warning (strobe)
9	203060003031	2	Switch, travel(Schneider)
10	215020000212	4	Screw M4×35-A2-70 GB/T 818
11	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
12	215020000007	4	Screw M5×16-A2-70 GB/T 70.1
13	215020000264	4	Screw M5×16-A2-70 GB/T70.3
14	105070043032	1	bracket
15	215030000003	8	Nut M5-A2-70 GB/T 6170
16	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
17	105029043013	4	Plate
18	209990003011	2	Magnet
19	215040000032	8	Washer 5-A2 GB/T 97.1
20	114015013220	1	Plate, bended (L)
21	105070043055	1	Rod, round
22	114015013221	1	Plate, bended (R)
23	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
24	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
25	105078063082	1	Anti-pinch Electrical schematic(Not shown)
26	114015013217	2	Bolt
27	215040000123	6	Washer 14-100HV-ZnD GB/T 95

10.5 SECONDARY GUARDING HARNESS (PN.105078063081)



No.	Part No.	Qty.	Description
1	203080000405	1	Sheath
2	203080000046	1	Lock
3	203080000033	5	Male connector
4	203080000466	1	End clip
5	203080003313	2	Cable, thin wall
6	203080003326	1	Cable, thin wall
7	203080000564	5	Thin-wall wire
8	203080000410	2	Sheath
9	203080000016	2	Lock
10	203080000041	8	Female connector
11	203080000437	2	End attachments, 2-pin, female
12	203080000448	2	Rubber part
13	203080000417	1	Nylon hose, closed-end
14	203080000424	2	Nylon hose, closed-end
15	203080000563	1	Thin-wall wire
16	203080000562	1	Thin-wall wire
17	203080000408	1	Sheath
18	203080000021	1	Lock
19	203080000462	1	End attachments, 2-pin, male
20	203080000044	2	Sheath
21	203080000020	2	Lock

No.	Part No.	Qty.	Description
22	203080000445	2	End attachments, 4-pin, female
23	203080000446	2	Rubber part

10.6 AC POWER INSTALLATION

No.	Part No.	Qty.	Description
1	105050064039		OPT, INST (ELEC, AC power)
1-1	105050064012	1	INST, ELEC (AC supply, mains)
1-2	105050064038	1	INST, AC supply (mains)(Australia)
2	103016060011		OPT, ELEC schematic (AC supply)
2-1	105070063041	1	AC mains electrical schematic
2-2	103016060010	1	ELEC schematic, AC supply (Australia)(Australia)
3	203230003368	1	Drag chain cable
4	203230003397	1	Drag chain cable
5	203230003624	1	Cable, drag chain(Australia)

10.7 SOCKET, WATERPROOF OPTIONS

					
B	E_F	G	H	I (China)	I (New Zealand)
					
M	N				

No.	Part No.	Qty.	Description
	103011063061		Socket, waterproof Options
1	203080000278	1	Waterproof socket(EN)(Type E+F, European)
2	105074063062	1	American standard socket assembly(Type B, Americag and South America specs)
2a	203080000472	1	American standard socket assembly
2b	203080003824	3	Terminal
3	203080000249	1	Waterproof socket(Type I, New Zealand)
4	203080004216	1	Socket, waterproof(Type G, UK, Hongkong/Macau and Malaysia specs)
5	203080004220	1	Socket, waterproof(Type M, South Africa and India specs)
6	203080004219	1	Socket, waterproof(Type H, Israel)
7	203080004218	1	Socket, waterproof(Type N, Brazil)
8	203080004241	1	Socket, waterproof(Type I, China specs)

10.8 POWER PLUG CORD OPTIONS

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

10.9 ON-BOARD SPARE PARTS (EQUIPPED WITH DEUTZ ENGINE D2.9L4)

No.	Part No.	Qty.	Description
1	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
2	207990000001	10	O-ring(ANSI)
3	207990000002	10	O-ring(ANSI)
4	213060000001	2	Plug
5	203070000005	5	Plug-in fuse
6	202080000004	2	Oil suction filter
7	203070000019	5	Plug-in fuse
8	207040000045	10	O-ring 10.77×2.62 AS568
9	213010000010	1	Coupler
10	207040000024	10	O-ring
11	209030000009	2	Lock handle
12	207990000003	10	O-ring(ANSI)
13	202080000010	1	Return fitler element
14	105050063021	1	PC film, control box (platform)
15	207040000046	10	O-ring 120.32×2.62 AS158
16	105017120011	1	Deutz TD2.9L4 Spare Parts
17	203070000018	10	Plug-in fuse
18	207010000003	10	Grease nipple M10×1 GB/T 1152
19	203060000072	2	Handle holster
20	207040000048	10	O-ring 14×1.78 AS015
21	207040000047	10	O-ring
22	213060000009	2	Plug
23	105017120002	1	Box, service parts stock
24	213060000003	2	Plug
25	207040000029	10	O-ring 10.0×2.0 GB1235
26	216070000003	2	Safety lanyard
27	213060000008	2	Plug
28	213010000116	1	Fitting

10.10 ON-BOARD SPARE PARTS (EQUIPPED WITH YUCHAI ENGINE YCF3075-T480)

No.	Part No.	Qty.	Description
1	213060000008	2	Plug
2	207040000046	10	O-ring 120.32×2.62 AS158
3	209030000009	2	Lock handle
4	202080000010	1	Return fitler element
5	203070000005	5	Plug-in fuse
6	213010000116	1	Fitting
7	207040000047	10	O-ring
8	203070000019	5	Plug-in fuse
9	207040000048	10	O-ring 14×1.78 AS015
10	213060000003	2	Plug
11	105055023080	1	On-board spare parts (equipped with YUCHAI engine YCF3075-t480)
12	105050063021	1	PC film, control box (platform)
13	207040000029	10	O-ring 10.0×2.0 GB1235
14	203060000072	2	Handle holster
15	216070000003	2	Safety lanyard
16	213010000010	1	Coupler
17	207040000045	10	O-ring 10.77×2.62 AS568
18	207010000003	10	Grease nipple M10×1 GB/T 1152
19	203070000018	10	Plug-in fuse
20	105017120002	1	Box, service parts stock
21	213060000001	2	Plug
22	207990000001	10	O-ring(ANSI)
23	207990000002	10	O-ring(ANSI)
24	202080000004	2	Oil suction filter
25	213060000009	2	Plug
26	207040000024	10	O-ring
27	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
28	207990000003	10	O-ring(ANSI)

10.11 ON-BOARD SPARE PARTS (EQUIPPED WITH CUMMIS ENGINE QSF2.8T3NA60)

No.	Part No.	Qty.	Description
1	105017120015	1	Spare parts, Cummins QSF2.8
2	207040000048	10	O-ring 14×1.78 AS015
3	203070000005	5	Plug-in fuse
4	207040000046	10	O-ring 120.32×2.62 AS158
5	202080000004	2	Oil suction filter
6	207040000029	10	O-ring 10.0×2.0 GB1235
7	207040000024	10	O-ring
8	207040000047	10	O-ring
9	207010000003	10	Grease nipple M10×1 GB/T 1152
10	213010000010	1	Coupler
11	213060000009	2	Plug
12	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
13	207040000045	10	O-ring 10.77×2.62 AS568
14	207990000002	10	O-ring(ANSI)
15	213010000116	1	Fitting
16	202080000010	1	Return fitler element
17	213060000001	2	Plug
18	216070000003	2	Safety lanyard
19	203070000019	5	Plug-in fuse
20	209030000009	2	Lock handle
21	203070000018	10	Plug-in fuse
22	207990000003	10	O-ring(ANSI)
23	207990000001	10	O-ring(ANSI)
24	203060000072	2	Handle holster
25	213060000008	2	Plug
26	105017120002	1	Box, service parts stock
27	213060000003	2	Plug
28	105050063021	1	PC film, control box (platform)

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