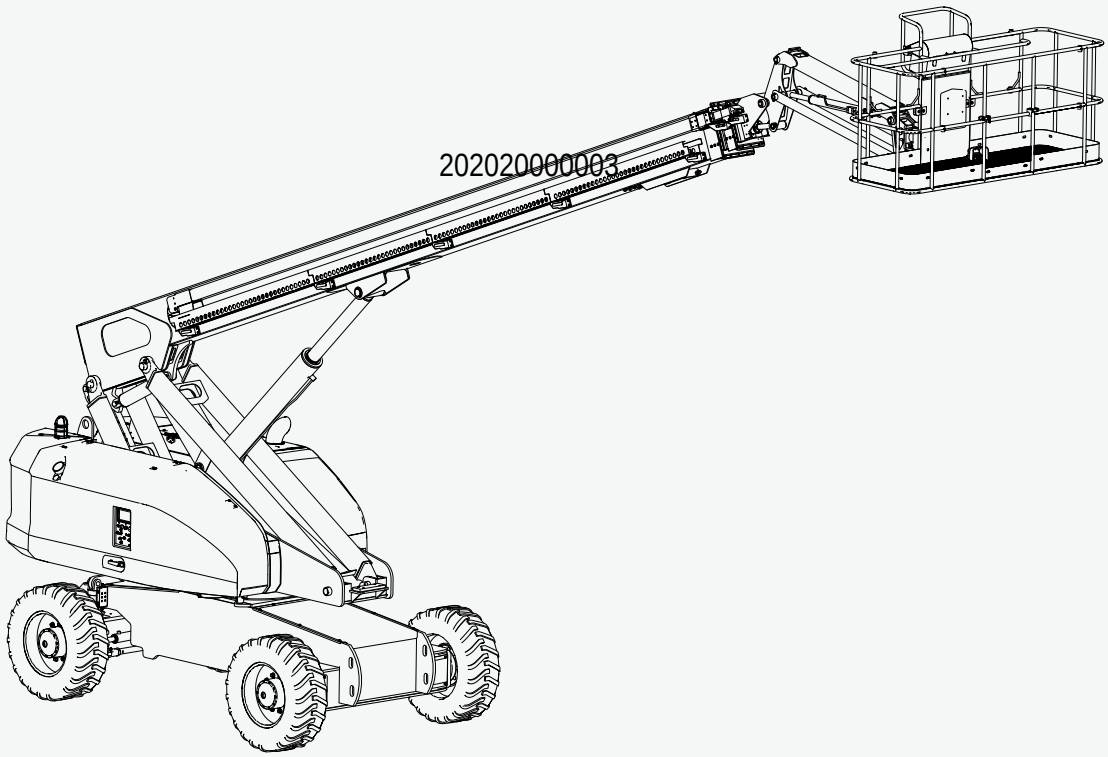
Part No.505031120002
Rev: A
Sep 2020

Parts Manual

GTBZ26/TB26/TB850
GTBZ28J/TB28J/TB910J



SINOBOOM

⚠ WARNING

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, 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.

Manual revision history：

REV	DATE	DESCRIPTION	REMARK
A	Sep, 2020	Original issue of the manual	

Please contact us:

Website : www.sinoboom.com

E-mail : sales@sinoboom.com

Sales Tel : 0086-0731-87116222

Service Tel : 0086-0731–87116333

Address : No.128, East Jinzhou Avenue, Ningxiang High-tech Industrial Park, Changsha, Hunan, China

Zip Code : 410600

Copyright © Hunan Sinoboom Intelligent Equipment Co., Ltd. All Rights Reserved

The final interpretation right of this manual belongs to Hunan Sinoboom Intelligent Equipment Co., Ltd.

APPLICATION

Use the following table to identify the specific serial number for models included in this manual. Check the model of your machine before consulting the manual, and then use the correct manual according to the serial number of the model. See the nameplate on your machine to identify the model and serial number.(See ***Decals*** of the this manual for details.)

MODELS	Trade identification		SERIAL NO.
	Metric	Imperial	
GTBZ26	TB26	TB850	From 0503100100 to present
GTBZ28J	TB28J	TB910J	From 0503200400 to present

NOTE:

- Product model is applied in product nameplate for distinction of products of different main parameters.
- Product trade identification is applied in marketing and machine decals for distinction of products of different main parameters, and can be classified as metric type and imperial type: The metric type of trade identification is applicable to machines for countries/regions using metric system or as specially required by customers; The imperial type of trade identification is applicable to the machines for countries/regions using imperial system or as specially required by customers.

STATEMENTS

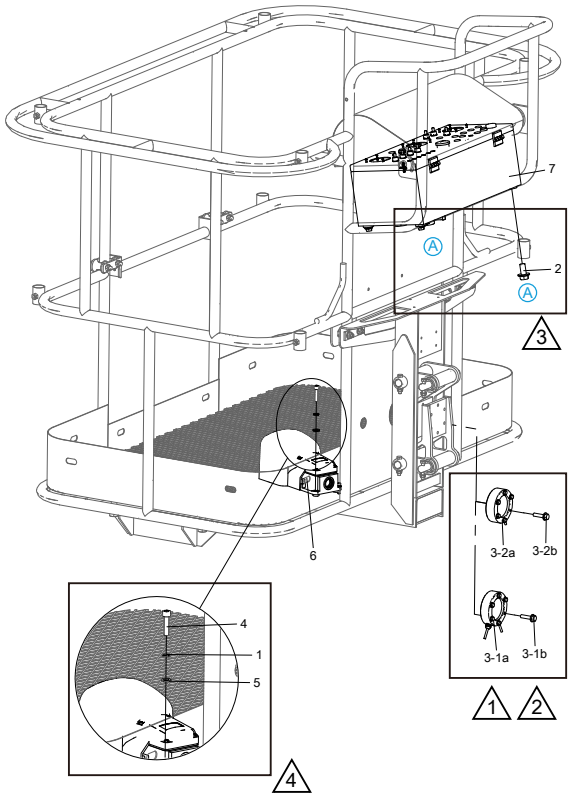
Hunan Sinoboom Intelligent Equipment Co., Ltd. (Hereinafter referred to as Sinoboom) will upload the latest product manual information to the website www. sinoboom. com as soon as possible. However, due to continuous product improvement, the information in this manual is subject to change without prior notice.

This manual covers the basic parts information of one or more products. Therefore, please use this manual according to your needs. If you find problems in the manual or have suggestions for improvement, feel free to share your feedback with Sinoboom, and we will address these issues as soon as possible.

Feel free to consult and download the *Operation Manual*, *Maintenance Manual* and *Parts Manual* of the products you need online at www.sinoboom.com.

Hunan Sinoboom Intelligent Equipment Co., Ltd. retains the right of final interpretation of the manual.

GENERAL INFORMATION



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
6	105002040001	1	Platform control box assembly

1 2

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

1 Add "-1, -2, -3…" after the number to represents an options (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 by a variety of components, such as 1a and 1b composition 1.

3 "A,B,C..." in figure indicates the same parts in many places, and the same place is indicated by the same symbol.

4 The diagram indicated by the lead is a local enlargement or a local illustration.

TABLE OF CONTENTS

1 Chassis Components 3

1.1 Steer System 4
1.2 Drive System (2WD) 6
1.3 >Drive System (4WD) 8
1.4 Pad Installation (Models without Oscillation) 10
1.5 Oscillate Cylinder Installation (Models with Oscillation) 11
1.6 Tire and Wheel Assembly 12
1.7 Chassis Shield Installation 14

2 Turntable Components 17

2.1 Swing Drive Installation 18
2.2 Turntable Left Hoods Installation 20
2.3 Turntable Right Hoods Installation 23
2.4 Counterweight Installation 26
2.5 Fuel Tank Installation 27
2.6 Turntable Shield Installation 29

3 Boom Components 31

3.1 Boom Link Assembly 32
3.2 Base Boom Installation 35
3.3 Telescopic Boom 1 Installation 37
3.4 Telescopic Boom 2 Installation 39
3.5 Telescopic Mechanism 41
3.6 Cable Track Installation 44
3.7 Head Sheave Assembly 47
3.8 Master Cylinder Installation-GTBZ26 49
3.9 Jib Boom Installation-GTBZ28J 51

4 Platform Components 53

4.1 Platform Support Installation 54
4.2 Platform Installation (Small-sized) 56
4.3 Platform Installation (Middle-sized) 58
4.4 Platform Installation (Big-sized) 60

5 Engine Components 63
5.1 Engine (Deutz) 64
5.1.1 Engine Support Installation (Deutz) 65
5.1.2 Engine Installation (Deutz) 67
5.1.3 Radiator Installation (Deutz) 71
5.2 Engine (Cummis) 73
5.2.1 Engine Support Installation (Cummis) 74
5.2.2 Engine Installation (Cummis) 76
5.2.3 Radiator Installation (Cummis) 79

6 Hydraulic System 81
6.1 Chassis Hydraulic Components Installation (2WD) 82
6.2 Chassis Hydraulic Components Installation (4WD) 83
6.3 Turntable Hydraulic Components Installation 84
6.4 Pump drive unit (Cummis) 86
6.5 Pump drive unit (Deutz) 88
6.6 Power Unit Installation 90
6.7 Hydraulic Tank Assembly 91
6.8 Boom Hydraulic Components Installation-GTBZ26 93
6.9 Boom Hydraulic Components Installatio-GTBZ28J 95
6.10 Steer System Tubes Layout 97
6.11 Drive System Tubes Layout (2WD) 98
6.12 Drive System Tubes Layout (4WD) 100
6.13 Oscillate System Tubes Layout 103
6.14 Boom Tubes Layout 105
6.15 Closed-Circuit Pump Tubes Layout (PN.202010000054) 108
6.16 Closed-Circuit Pump Tubes Layout (PN.202010000005) 109
6.17 Closed-Circuit Pump Tubes Layout (PN.202010000006&202010000045) 110
6.18 Open-Circuit Pump Tubes Layout (PN.202010000055) 111
6.19 Open-Circuit Pump Tubes Layout (PN.202010000040) 112
6.20 Open-Circuit Pump Tubes Layout (PN.202010000029) 113
6.21 Open-Circuit Pump Tubes Layout (PN.202010000002&202010000044) 114
6.22 Level System Tubes Layout-GTBZ26 115
6.23 Level System Tubes Layout-GTBZ28J 117
6.24 Hydraulic Schematic-GTBZ26 (2WD) 119
6.25 Hydraulic Schematic-GTBZ26 (4WD) 120

6.26 Hydraulic Schematic-GTBZ28J (2WD) 121
6.27 Hydraulic Schematic-GTBZ28J (4WD) 122

7 Electrical System 123

7.1 Electrical System (Rexroth&Deutz) 124
7.1.1 Turntable Electrical Components Installation (Rexroth&Deutz) 125
7.1.2 Ground control box Assembly (PN.105031060021) 127
7.1.3 Boom Electrical Components Installation (Rexroth) 129
7.1.4 Platform Electrical Components Installation (Rexroth) 131
7.1.5 Platform Control Box Assembly (PN.105029060003) 133
7.1.6 Power Cable Kit (Deutz) 135
7.1.7 Turntable Harness (Rexroth&Deutz) 137
7.1.8 Turntable Sensors Harness (Rexroth) 140
7.1.9 Ground Control Box Harness (Rexroth&Deutz) 142
7.1.10 Deutz Engine Harness 144
7.1.11 Platform Harness (Rexroth) 146
7.1.12 Platform Harness 2 147
7.1.13 Platform Sensors Harness (Rexroth) 148
7.1.14 Platform Control Box Harness (Rexroth) 150
7.1.15 Turntable Electrical Schematic (Rexroth&Deutz) 152
7.1.16 Platform Electrical Schematic (Rexroth) 153
7.2 Electrical System (Rexroth&Cummins) 154
7.2.1 Turntable Electrical Components Installation (Rexroth&Cummins) 155
7.2.2 Ground control box Assembly (PN.105031060032) 157
7.2.3 Boom Electrical Components Installation (Rexroth) 159
7.2.4 Platform Electrical Components Installation (Rexroth) 161
7.2.5 Platform Control Box Assembly (PN.105031060023) 163
7.2.6 Power Cable Kit (Cummins) 165
7.2.7 Turntable Harness (Rexroth&Cummins) 167
7.2.8 Turntable Sensors Harness (Rexroth) 170
7.2.9 Ground Control Box Harness (Rexroth&Cummins) 172
7.2.10 Cummins Engine Harness 174
7.2.11 Platform Harness (Rexroth) 177
7.2.12 Platform Harness 2 178
7.2.13 Platform Sensors Harness (Rexroth) 179
7.2.14 Platform Control Box Harness (Rexroth) 181

7.2.15 Turntable Electrical Schematic (Rexroth&Cummins) 183
7.2.16 Platform Electrical Schematic (Rexroth) 184
7.3 Electrical System (Huaxing&Cummins) 185
7.3.1 Turntable Electrical Components Installation (Huaxing&Cummins) 186
7.3.2 Ground control box Assembly (PN.105029060001) 188
7.3.3 Boom Electrical Components Installation (Huaxing) 190
7.3.4 Platform Electrical Components Installation (Huaxing) 192
7.3.5 Platform Control Box Assembly (PN.105031060023) 194
7.3.6 Power Cable Kit (Cummins) 196
7.3.7 Turntable Harness (Huaxing&Cummins) 198
7.3.8 Turntable Sensors Harness (Huaxing) 201
7.3.9 Ground Control Box Harness (Huaxing&Cummins) 203
7.3.10 Cummins Engine Harness 205
7.3.11 Platform Harness (Huaxing) 208
7.3.12 Platform Harness 2 210
7.3.13 Platform Sensors Harness (Huaxing) 211
7.3.14 Ground Control Box Harness (Huaxing) 213
7.3.15 Turntable Electrical Schematic (Huaxing&Cummins) 215
7.3.16 Platform Electrical Schematic (Huaxing) 216

8 Decals 217

8.1 Decals-GB 218
8.2 Decals-CE 221
8.3 Decals-CSA 224
8.4 Decals-ANSI 227

9 Special Options 231

9.1 Overhead Protection Installation 232
9.2 Manual Storage Container Installation 233
9.3 Work Light Installation 234
9.4 AC Box at Platform Installation 235
9.5 Hydraulic Generator Installation 237

INTRODUCTION

Thank you for choosing and using the machinery of Hunan Sinoboom Intelligent Equipment Co., Ltd. Always read, understand and become familiar with the operation requirements of the machine and its associated safety procedures before operating, maintaining and repairing the machine. Operating the machine without becoming familiar with its specific operation requirements and safety procedures poses serious risks. Operators who follow safety rules and operate the machine carefully and effectively will prevent personal injury, property loss and accidents.

The information contained in this manual is designed to aid the user in locating and identifying replacement parts. Component parts of various assemblies and sub-assemblies are illustrated and accompanied by a descriptive parts list. Exploded drawings are used to show relative location of component parts in disassembly or assembly order.

This product uses the latest technology and the highest quality components. 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.

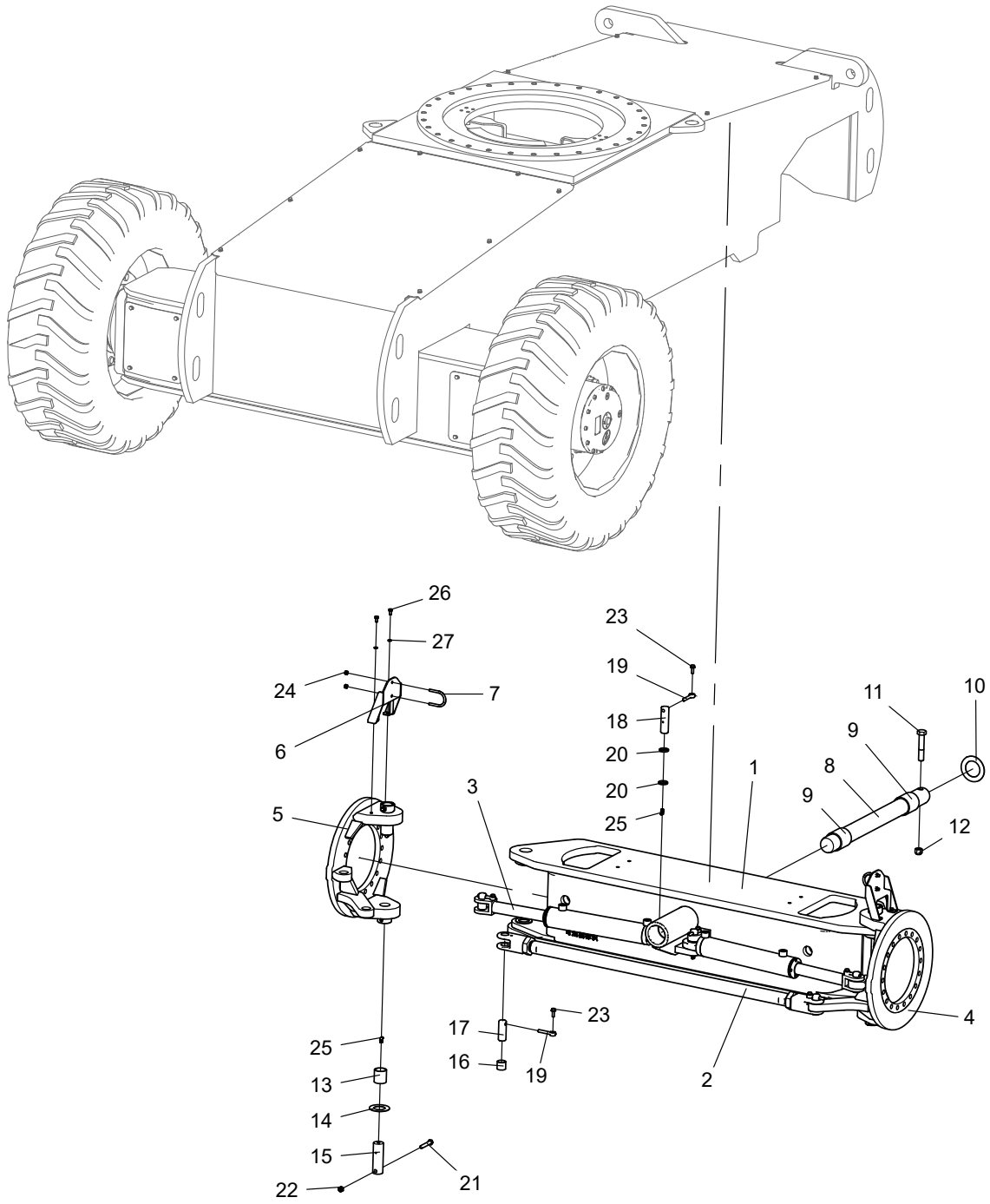
Consider this manual a part of the machine, along with *Operation Manual* and *Maintenance Manual*, and always keep the manuals with the machine. The owner or administrator of the machine shall offer all manuals and other necessary information provided by the machine manufacturer regarding the daily inspection and maintenance to each of the renters. If the machine is sold, the owner or administrator must pass along the manuals and other necessary information to the purchaser. The owner or administrator of the machine shall also provide the manufacturer’s maintenance information to the person responsible for maintaining the machine.

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

This Page Intentionally Left Blank

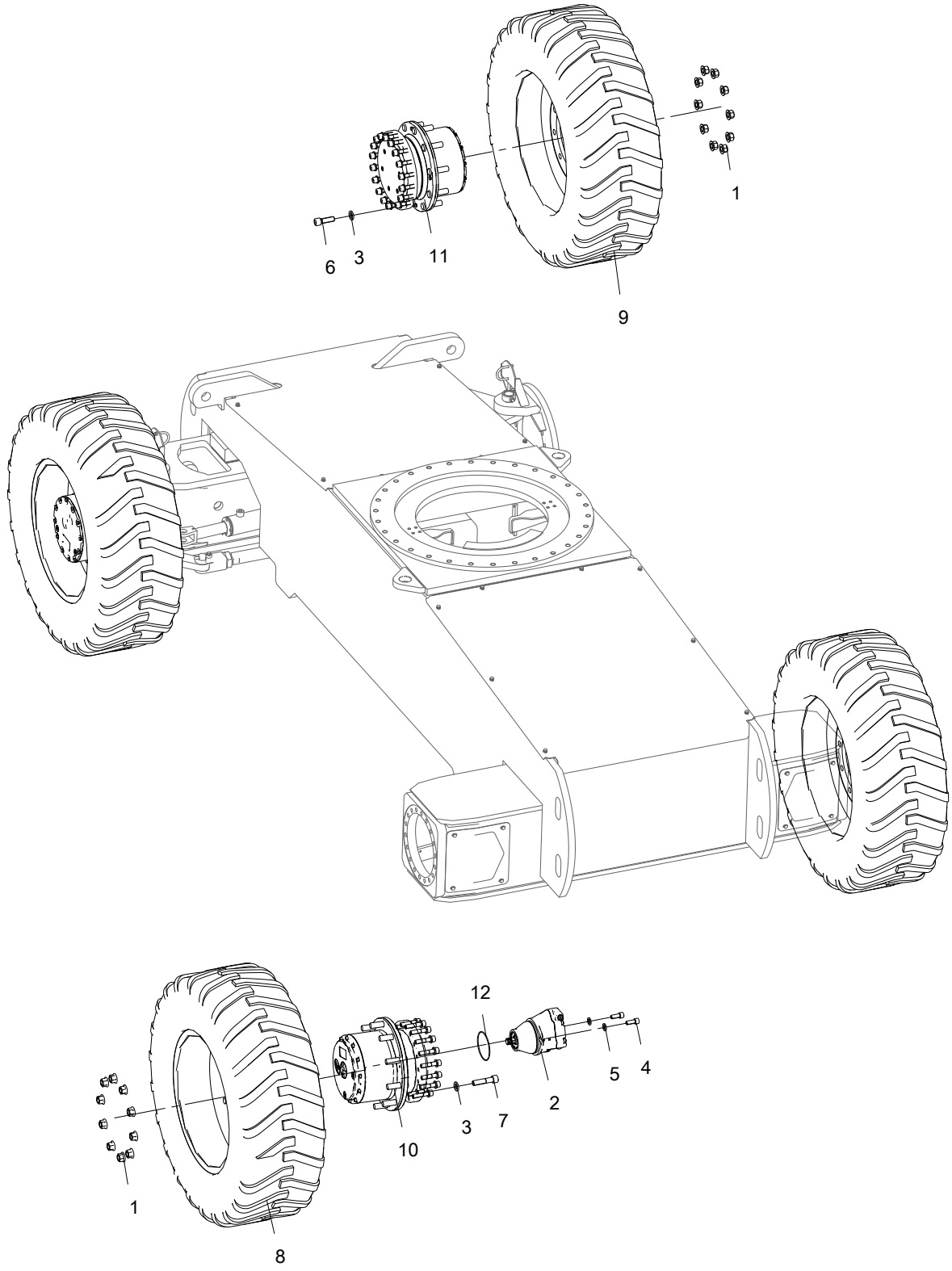
1 CHASSIS COMPONENTS

1.1 STEER SYSTEM



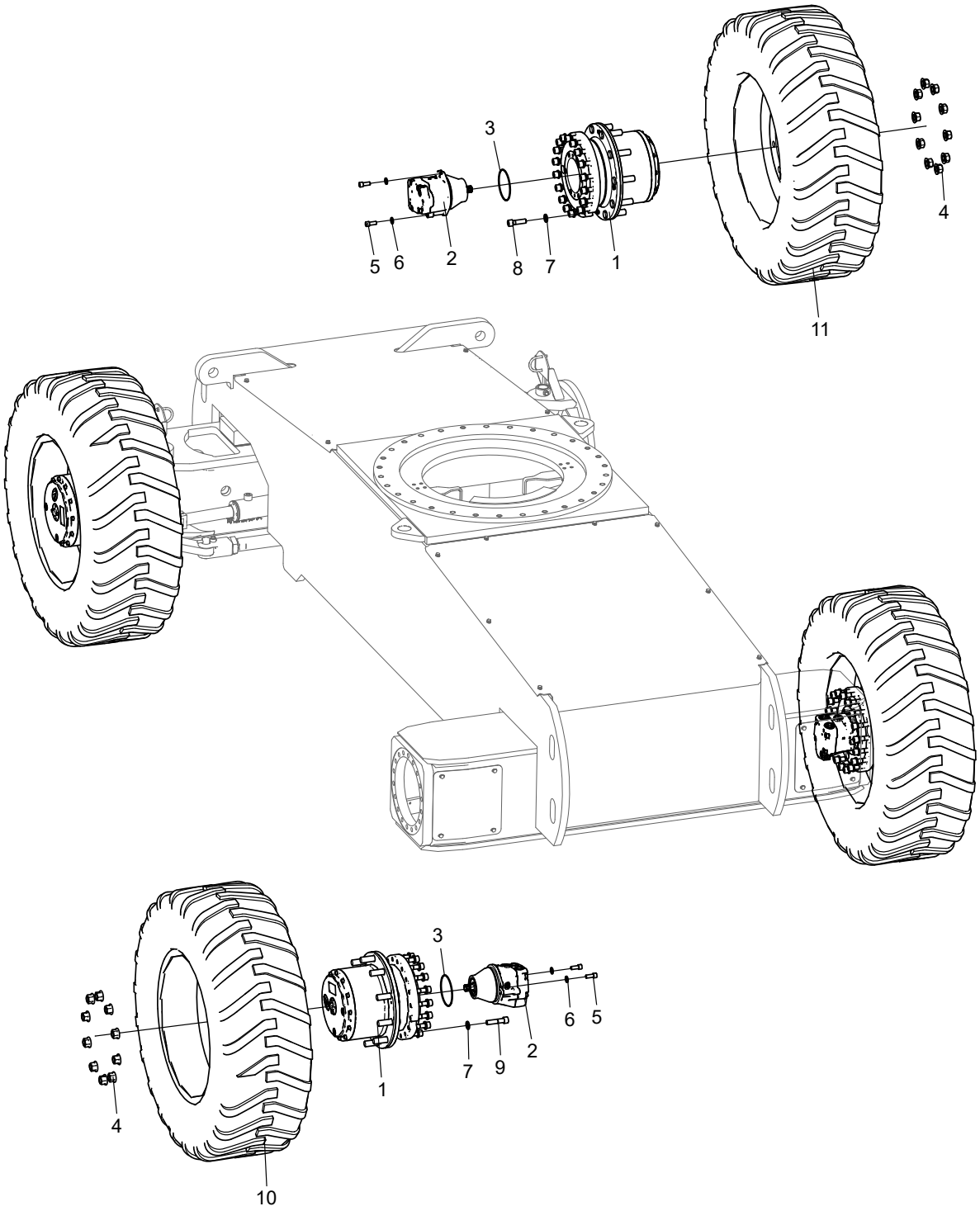
No.	Part No.	Qty.	Description
1	105003030037	1	Outrigger, fixed, front
2	105003030025	1	Steer link
3	105001010198	2	Steer cylinder
4	105003030009	1	Connection disc, steer right
5	105003030044	1	Connection disc, steer left
6	104021030002	2	Tube support
7	104016020023	2	U-clamp
8	105003030047	1	Pin XGΦ65-760
9	214030000071	2	Bearing, self-lubricating, 65×75×75
10	105001030040	1	Shim
11	215010000219	1	Bolt M20×110-8.8-ZnD GB/T 5782
12	215030000098	1	Nut M20-8-ZnD GB/T889.1
13	214030000054	4	Bearing, self-lubricating
14	105001030054	4	Washer
15	105001030070	4	Pin XGΦ40-125
16	214030000009	4	Bearing 30×34×30 SF-1
17	105001030060	4	Pin XGΦ30-80
18	105001030055	2	Pin XGΦ30-105
19	101012010044	6	Keeper pin
20	105001030034	4	Sleeve
21	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783
22	215030000029	4	Nut M12-8-ZnD GB/T 889.1
23	215010000235	6	Bolt M8×25-8.8-ZnD GB/T 5789
24	215030000026	4	Nut M8-8-ZnD GB/T889.1
25	207010000004	6	Grease nipple 90° M10×1 GB/T 1152
26	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
27	215040000005	4	Washer 8-ZnD GB/T 93

1.2 DRIVE SYSTEM (2WD)



No.	Part No.	Qty.	Description
1	215030000085	40	Nut M22×1.5-10-ZnD DTF-CL
2	202020000023	2	Drive motor
3	215040000052	72	Washer 16 GB/T 1230
4	215020000074	4	Screw M12×30-10.9-DKL GB/T 70.1
5	215040000051	4	Washer 12 GB/T 1230
6	215020000085	36	Screw M16×50-10.9-DKL GB/T 70.1
7	215020000089	36	Screw M16×70-10.9-DKL GB/T 70.1
8	105017030131	2	Left tire assembly options(See TIRE AND WHEEL ASSEMBLY for breakdown)
9	105017030132	2	Right tire assembly options(See TIRE AND WHEEL ASSEMBLY for breakdown)
10	204020000023	2	Reducer
11	204020000027	2	Reducer
12	207040000058	2	O-ring

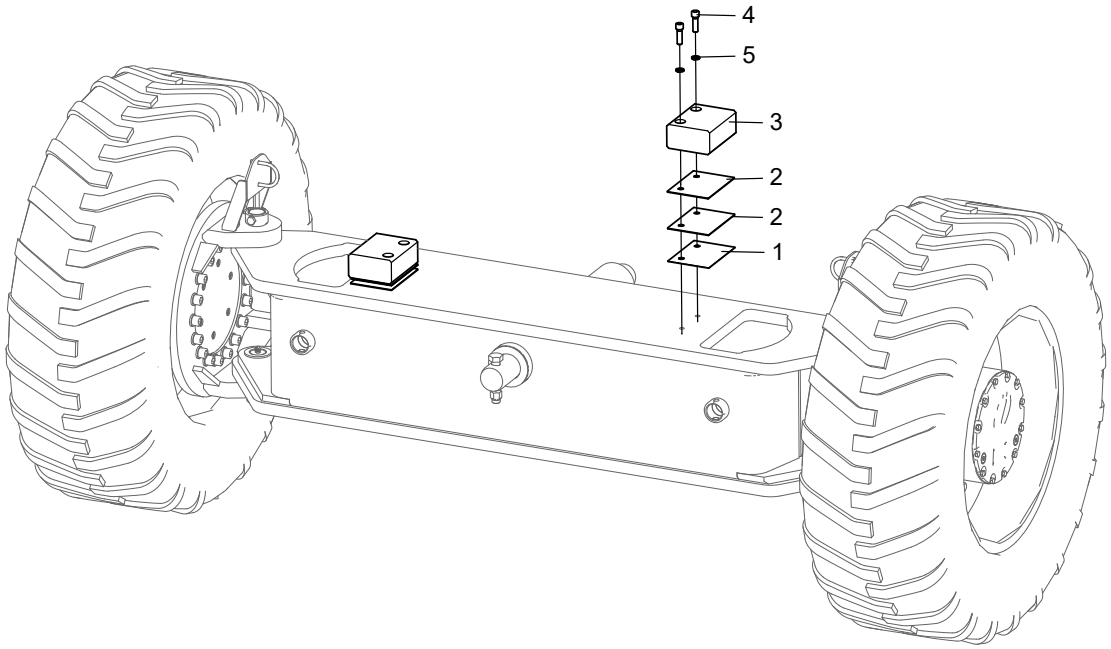
1.3 >DRIVE SYSTEM (4WD)



No.	Part No.	Qty.	Description
1	204020000024	4	Reducer
2	202020000023	4	Drive motor
3	207040000058	4	O-ring
4	215030000085	40	Nut M22×1.5-10-ZnD DTF-CL
5	215020000074	8	Screw M12×30-10.9-DKL GB/T 70.1
6	215040000051	8	Washer 12 GB/T 1230
7	215040000052	72	Washer 16 GB/T 1230
8	215020000086	36	Screw M16×55-10.9-DKL GB/T 70.1
9	215020000089	36	Screw M16×70-10.9-DKL GB/T 70.1
10	105017030131	2	Left tire assembly options(See TIRE AND WHEEL ASSEMBLY for breakdown)
11	105017030132	2	Right tire assembly options(See TIRE AND WHEEL ASSEMBLY for breakdown)

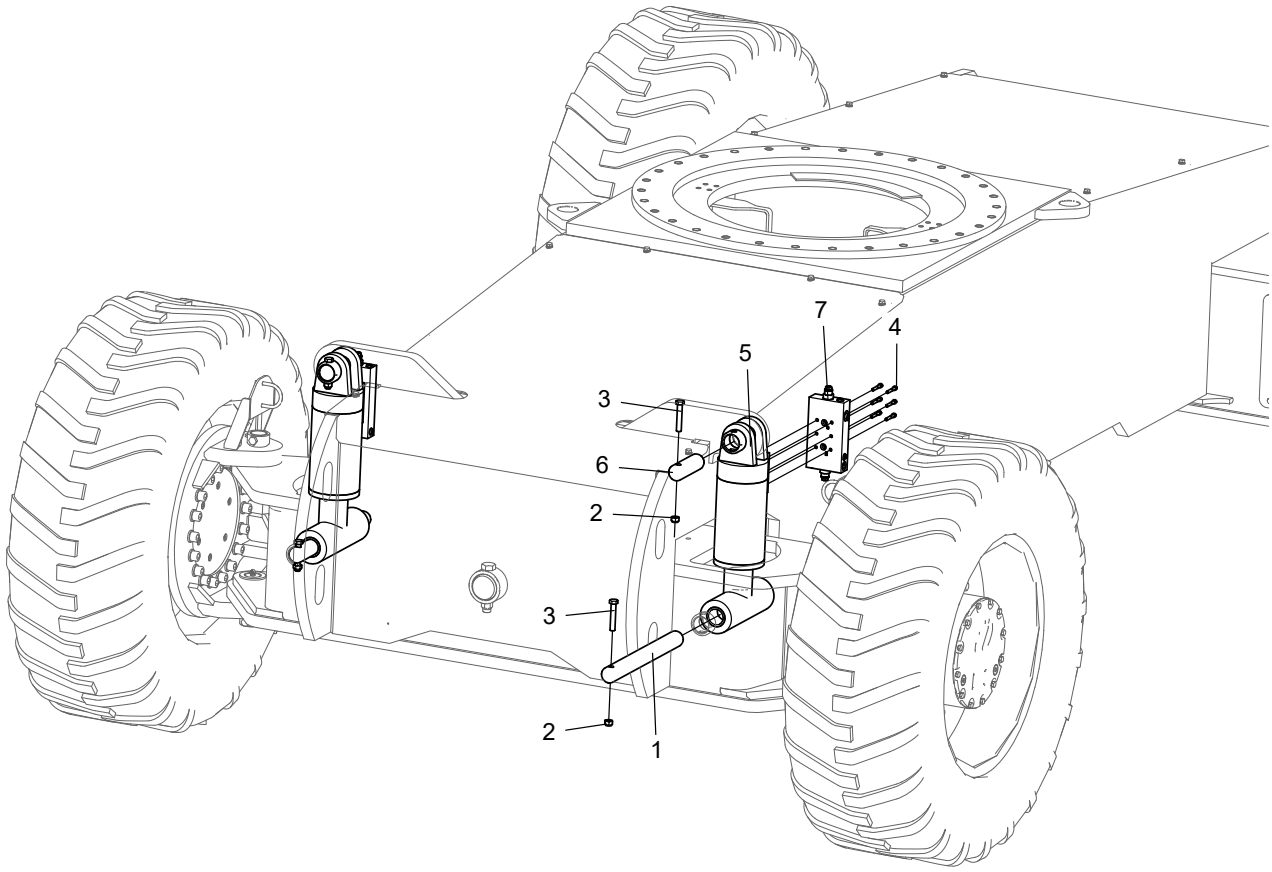
 © Sep 2020

1.4 PAD INSTALLATION (MODELS WITHOUT OSCILLATION)



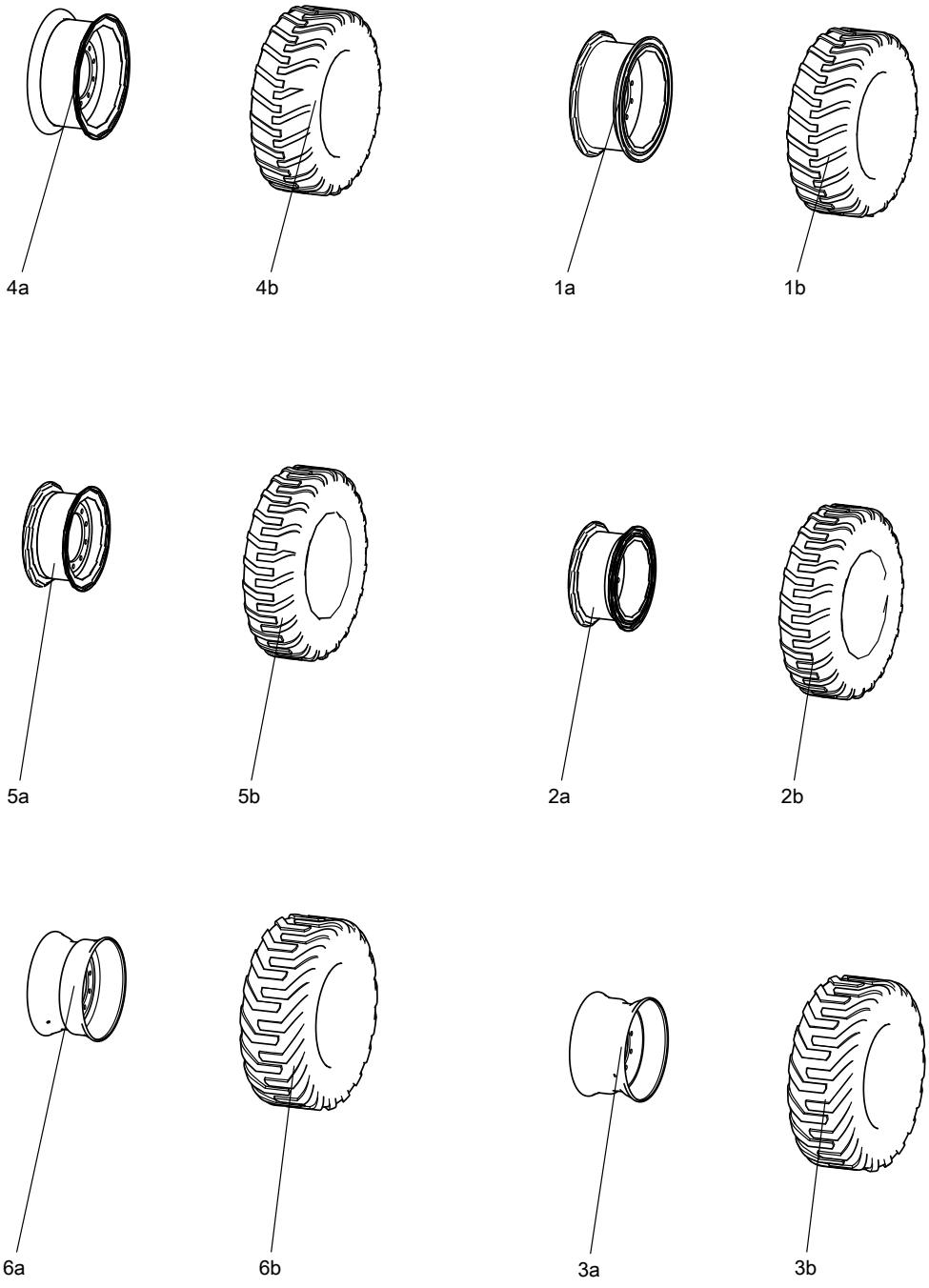
No.	Part No.	Qty.	Description
1	105003030045	2	shim
2	105003030034	4	Shim
3	105003030024	2	Pad
4	215020000208	4	Screw M12×40-8.8-ZnD GB/T 70.1
5	215040000007	4	Washer 12-ZnD GB/T 93

1.5 OSCILLATE CYLINDER INSTALLATION (MODELS WITH OSCILLATION)



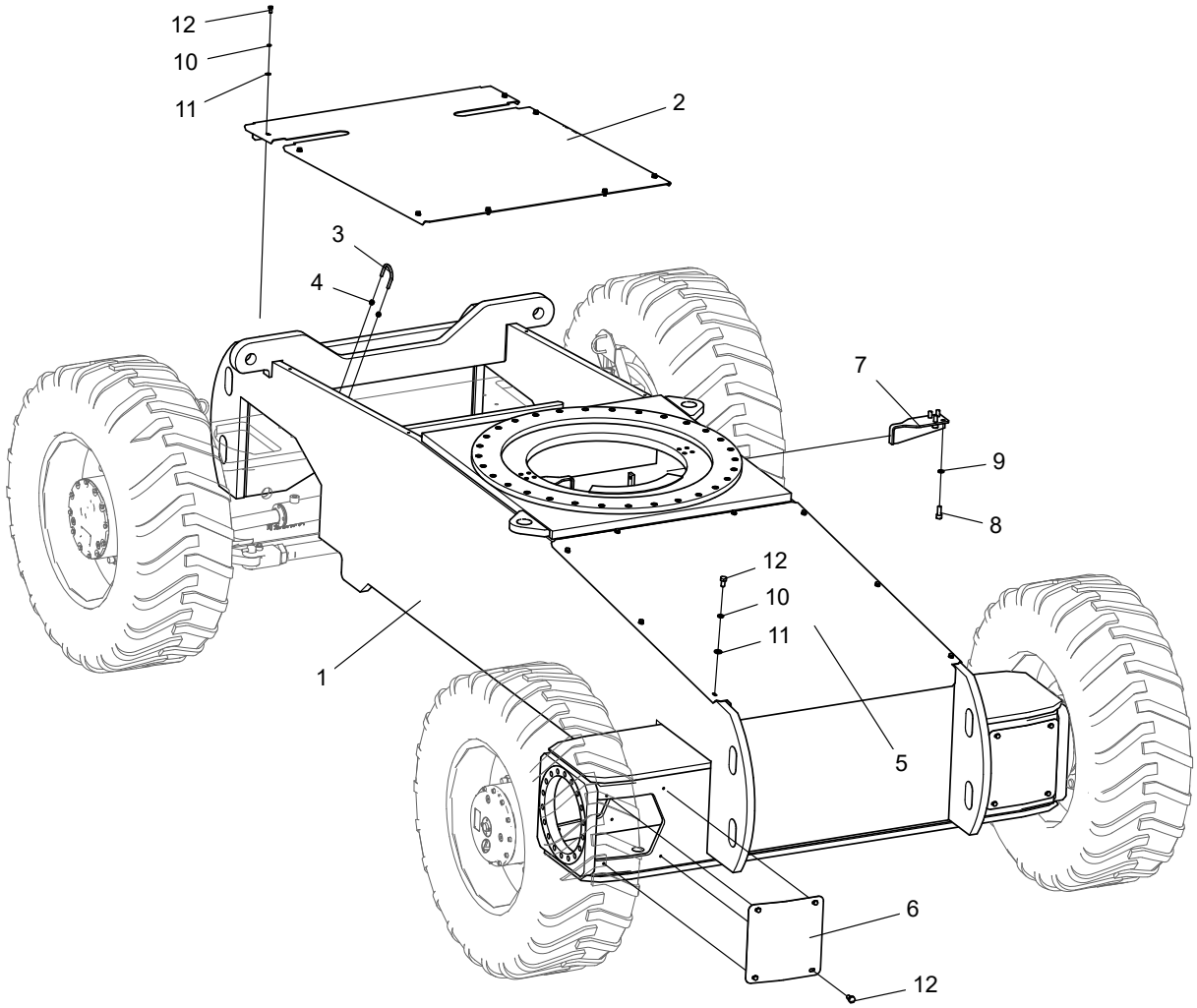
No.	Part No.	Qty.	Description
1	104008030023	2	Pin XGΦ40-390
2	215030000029	4	Nut M12-8-ZnD GB/T 889.1
3	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783
4	215020000016	12	Screw M6×40-A2-70 GB/T 70.1
5	105001030077	2	Oscillate cylinder
6	104008030005	2	Pin XGΦ40-125
7	202040000437	2	Counerbalance valve, oscillating

1.6 TIRE AND WHEEL ASSEMBLY



No.	Part No.	Qty.	Description
1	105017030098	2	Tire assembly, left
1a	105017030096	1	Rim assembly, steel
1b	204080000009	1	Tire, solid
2	105017030109	2	Tire assembly, left
2a	105017030101	1	Rim assembly, steel
2b	204080000006	1	Tire
3	105039030003	2	Tire assembly, foam-filled, left
3a	105039030001	1	Rim assembly, steel
3b	204080000034	1	Tire 385/65D22.5
4	105017030095	2	Tire assembly, right
4a	105017030096	1	Rim assembly, steel
4b	204080000009	1	Tire, solid
5	105017030108	2	Tire assembly, right
5a	105017030101	1	Rim assembly, steel
5b	204080000006	1	Tire
6	105039030002	2	Tire assembly, foam-filled, right
6a	105039030001	1	Rim assembly, steel
6b	204080000034	1	Tire 385/65D22.5

1.7 CHASSIS SHIELD INSTALLATION

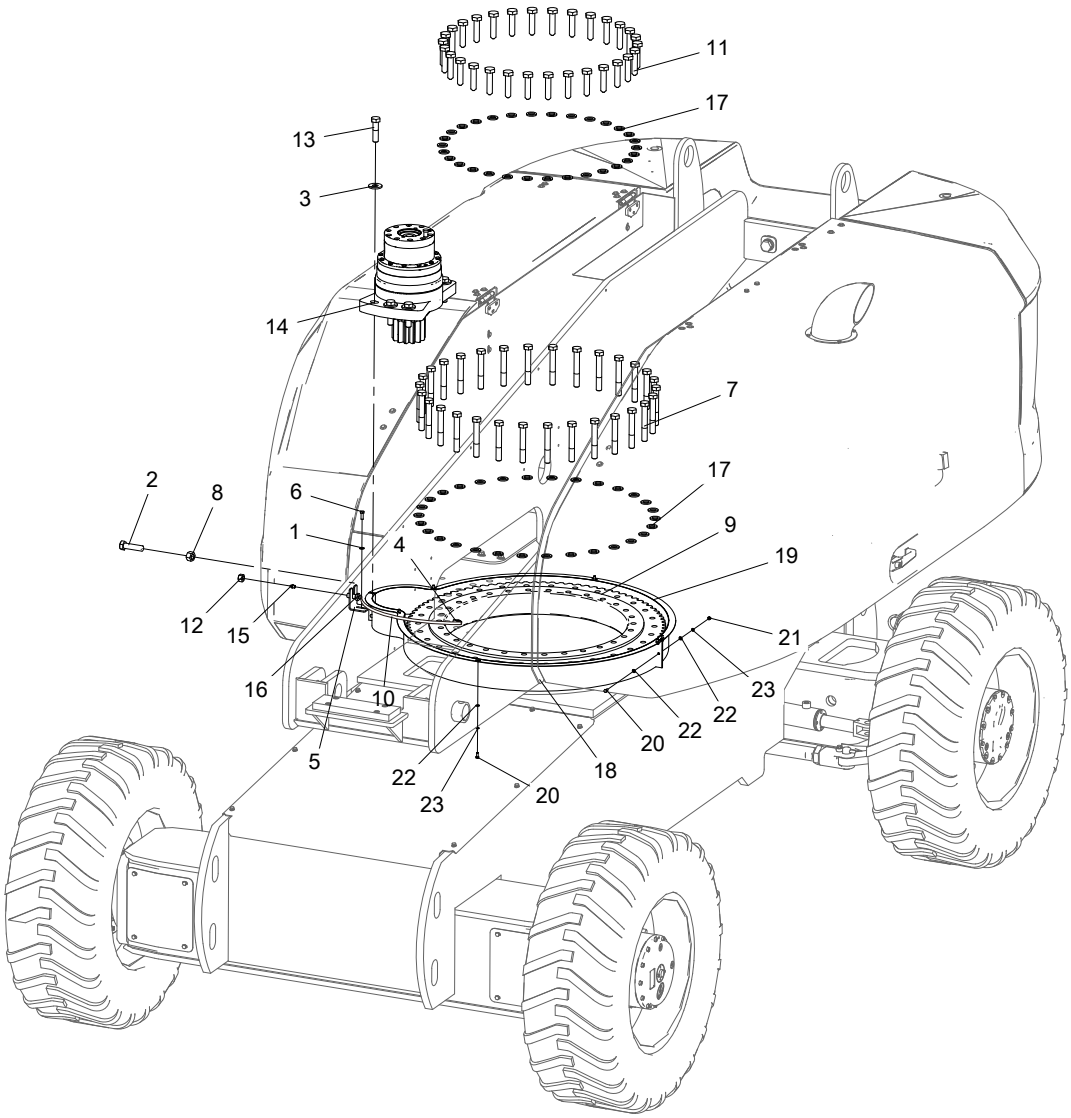


No.	Part No.	Qty.	Description
1	105003030011	1	Chassis
2	105003030007	1	Cover plate
3	104016020023	2	U-clamp
4	215030000026	4	Nut M8-8-ZnD GB/T889.1
5	105003030019	1	Cover plate
6	105003030003	4	Cover plate
7	105001030078	2	Shift fork
8	215020000073	8	Screw M12×30-8.8-ZnD GB/T 70.1
9	215040000007	8	Washer 12-ZnD GB/T 93
10	215040000005	32	Washer 8-ZnD GB/T 93
11	215040000034	16	Washer 8-200HV-ZnD GB/T 97.1
12	215010000056	32	Bolt M8×16-8.8-ZnD GB/T 5783

This Page Intentionally Left Blank

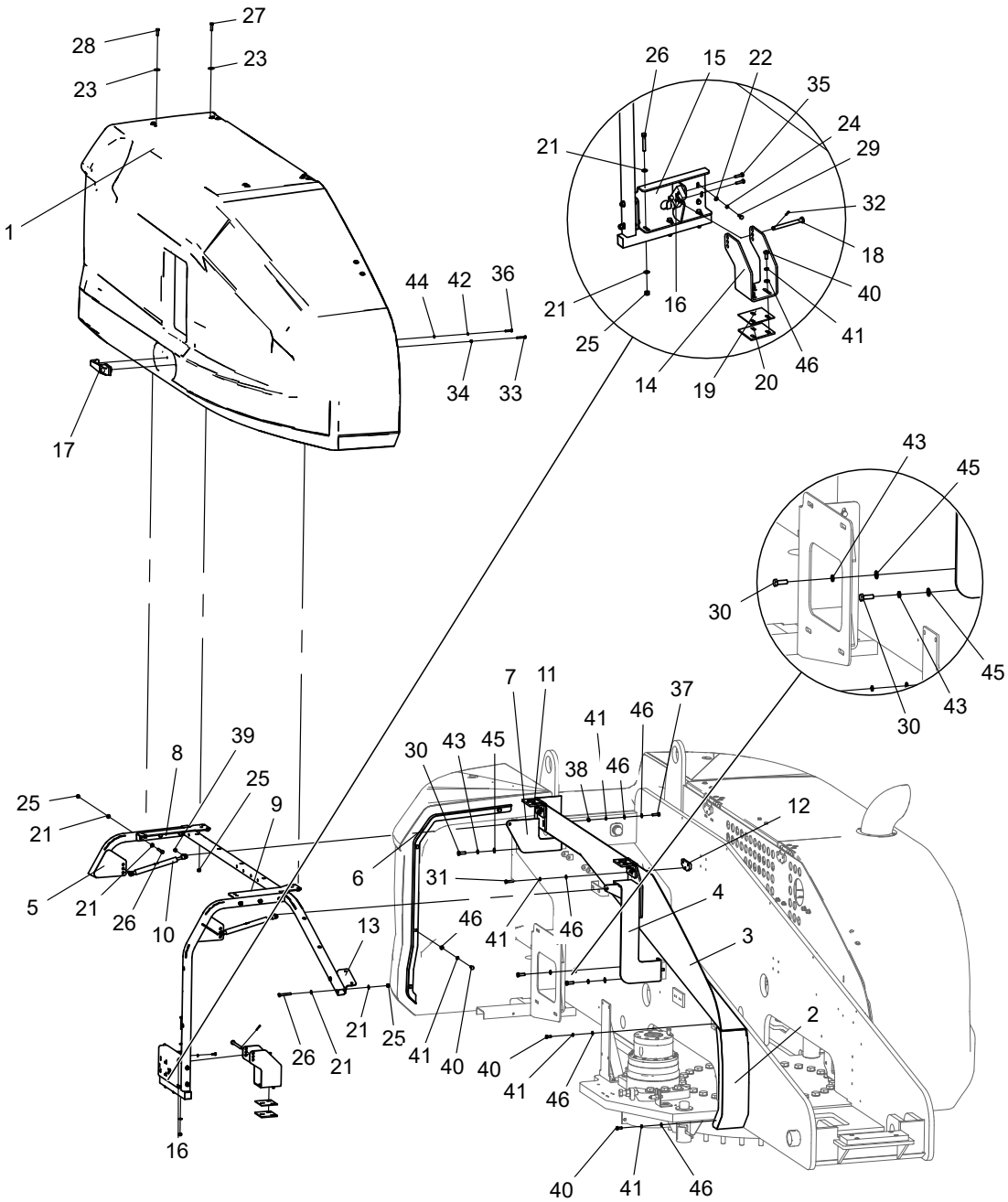
2 TURNTABLE COMPONENTS

2.1 SWING DRIVE INSTALLATION



No.	Part No.	Qty.	Description
1	215040000034	1	Washer 8-200HV-ZnD GB/T 97.1
2	215010000210	1	Bolt M20×75-8.8-ZND-GB/T 5783
3	105032023010	6	Pad
4	213010000060	1	Fitting
5	105001020226	1	Plate
6	215010000058	1	Bolt M8×25-8.8-ZnD GB/T 5783
7	215010000227	30	Bolt M20×140-10.9-DKL GB/T 5782
8	215030000012	1	Nut M20-8-ZnD GB/T 6170
9	204120000002	1	Slewing bearing
10	213050000698	1	Hose
11	215010000156	30	Bolt M20×90-10.9-DKL GB/T 1228
12	215030000010	1	Nut M16-8-ZnD GB/T 6170
13	215010000027	6	Bolt M20×80-8.8-ZnD GB/T 5782
14	204020000031	1	Slewing reducr
15	207010000003	1	Oil cup M10×1 GB/T 1152
16	105001020225	1	Fitting
17	215040000053	60	Washer 20 GB/T 1230
18	105003020012	1	Dust cover 1
19	105003020007	1	Dust cover 2
20	215010000050	9	Bolt M6×16-A2-70 GB/T 5783
21	215030000004	3	Nut M6-A2-70 GB/T 6170
22	215040000033	12	Washer 6-A2 GB/T 97.1
23	215040000004	9	Washer 6-A2-70 GB/T 93

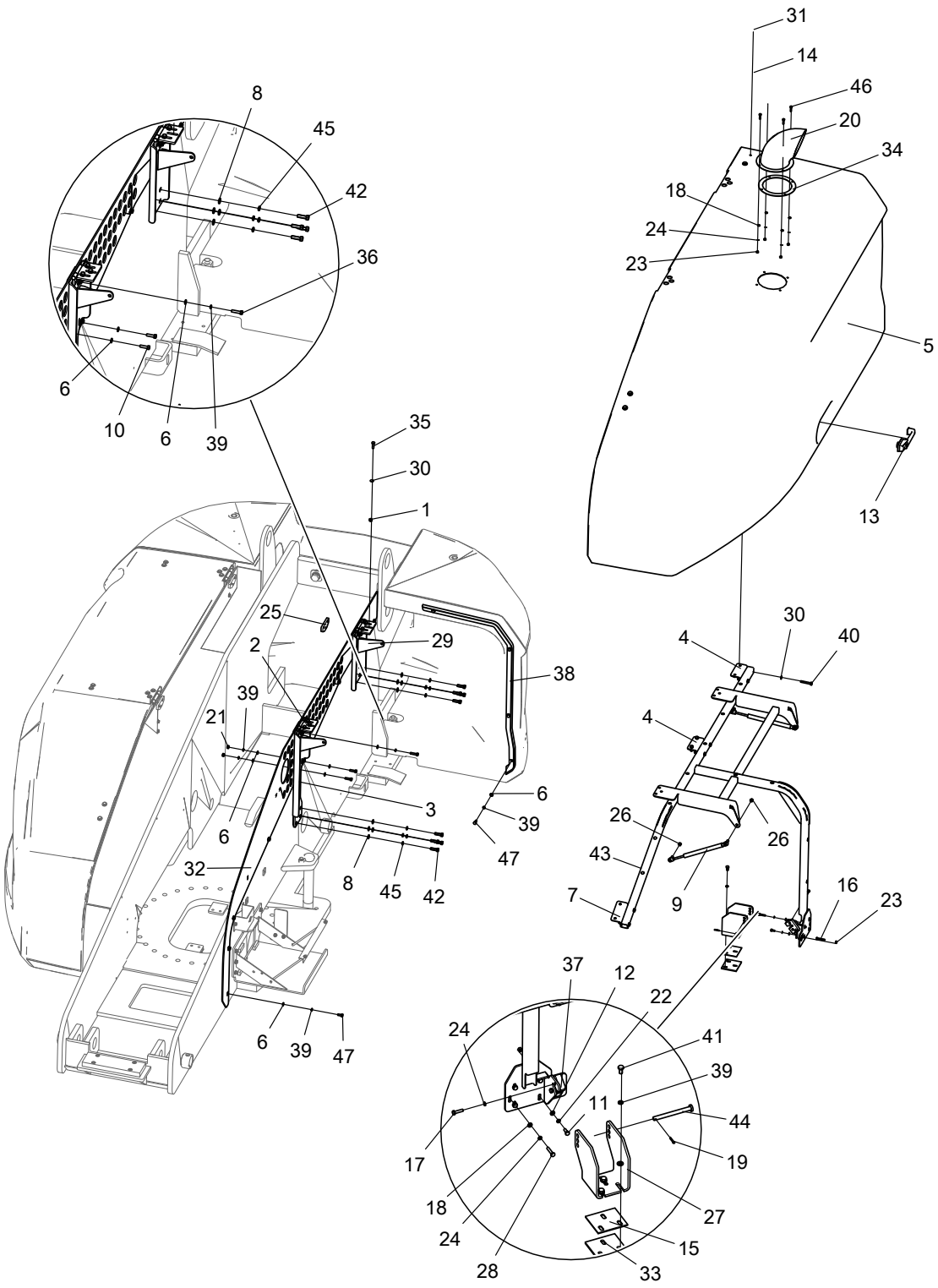
2.2 TURNTABLE LEFT HOODS INSTALLATION



No.	Part No.	Qty.	Description
1	105029020003	1	Turntable cover, left
2	105031020012	1	Seal plate, turntable cover
3	105031020011	1	Trough plate
4	105029020062	1	Bracket
5	105029020040	1	Steel frame, left
6	105029020020	1	Bracket, left
7	105031020007	1	Bracket
8	105029020042	1	Mounting plate, hinge
9	105029020051	1	Mounting plate, hinge
10	210010000063	2	Pneumatic lever
11	105001020118	2	Hinge assembly
12	105021020162	2	Mounting plate
13	104021020048	1	Bracket
14	105029020018	1	Retainer, left side latch
15	105029020065	1	Mounting bracket
16	209050000003	1	Latch, left
17	209030000009	1	Handle, latch
18	215060000068	1	Pin B10×110-ZnD GB/T 882
19	105001020230	1	Gasket, adjusting
20	105001020229	1	Gasket, adjusting
21	215040000034	38	Washer 8-200HV-ZnD GB/T 97.1
22	215040000033	4	Washer 6-A2 GB/T 97.1
23	215040000015	12	Washer 8-200HV-ZnD GB/T 96.1
24	215040000004	4	Washer 6-A2-70 GB/T 93
25	215030000026	25	Nut M8-8-ZnD GB/T889.1
26	215010000064	13	Bolt M8×55-8.8-ZnD GB/T 5783
27	215010000059	6	Bolt M8×30-8.8-ZnD GB/T 5783
28	215010000058	6	Bolt M8×25-8.8-ZnD GB/T 5783
29	215010000050	4	Bolt M6×16-A2-70 GB/T 5783
30	215010000071	5	Bolt M10×30-8.8-ZnD GB/T 5783
31	215010000060	6	Bolt M8×35-8.8-ZnD GB/T 5783
32	215060000003	1	Pin 3.2×16-ZnD GB/T 91
33	215010000054	1	Bolt M6×40-A2-70 GB/T 5783
34	215030000004	1	Nut M6-A2-70 GB/T 6170
35	215010000052	2	Bolt M6×25-A2-70 GB/T 5783
36	215010000053	1	Bolt M6×30-A2-70 GB/T 5783
37	215010000059	3	Bolt M8×30-8.8-ZnD GB/T 5783
38	215030000005	3	Nut M8-8-ZnD GB/T 6170

No.	Part No.	Qty.	Description
39	215030000026	4	Nut M8-8-ZnD GB/T889.1
40	215010000057	13	Bolt M8×20-8.8-ZnD GB/T 5783
41	215040000005	22	Washer 8-ZnD GB/T 93
42	215040000004	3	Washer 6-A2-70 GB/T 93
43	215040000006	5	Washer 10-ZnD GB/T 93
44	215040000033	1	Washer 6-A2 GB/T 97.1
45	215040000035	5	Washer 10-200HV-ZnD GB/T 97.1
46	215040000034	25	Washer 8-200HV-ZnD GB/T 97.1

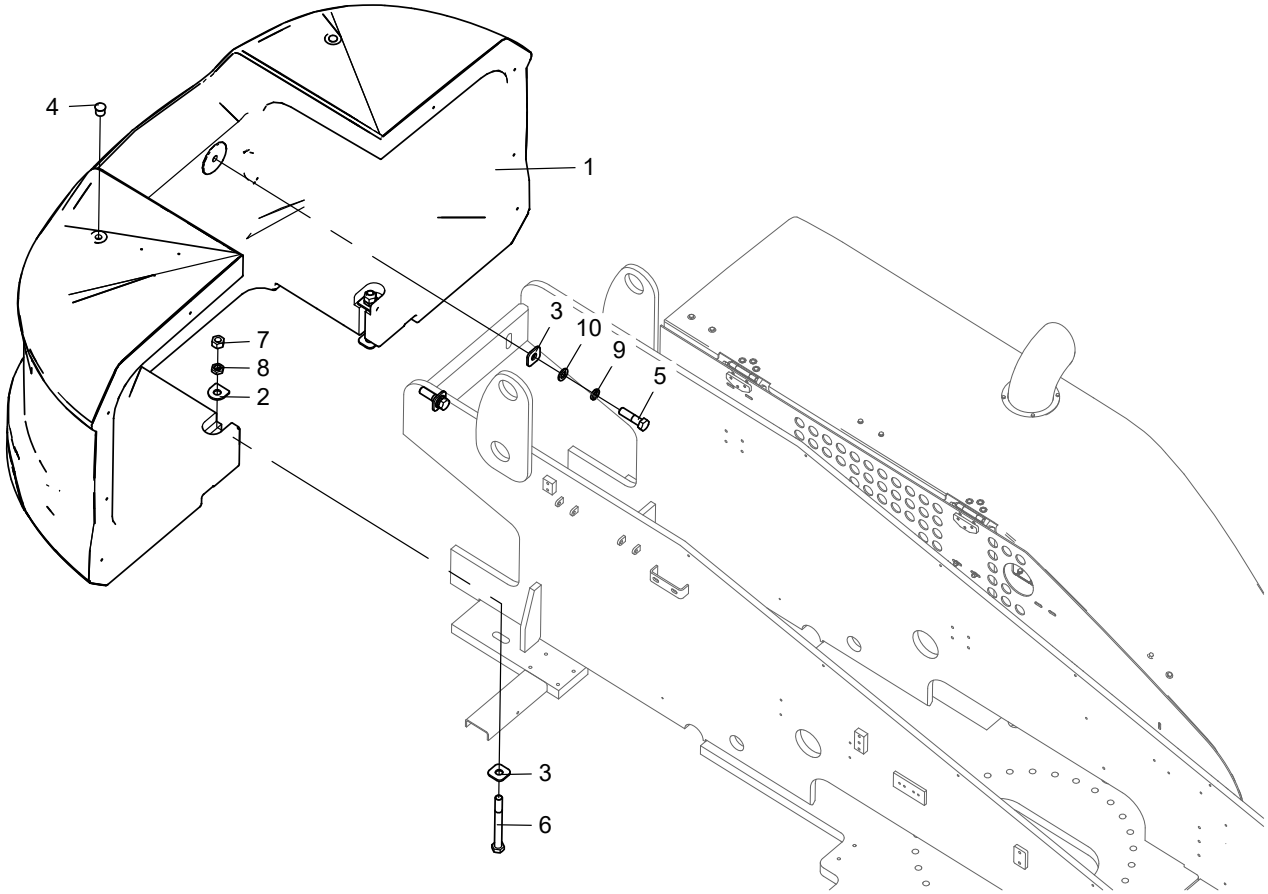
2.3 TURNTABLE RIGHT HOODS INSTALLATION



No.	Part No.	Qty.	Description
1	215030000026	18	Nut M8-8-ZnD GB/T889.1
2	105001020118	2	Hinge assembly
3	105029020026	1	Bracket
4	105029020064	2	Bracket
5	105029020001	1	Turntable cover, right
6	215040000034	24	Washer 8-200HV-ZnD GB/T 97.1
7	104021020048	1	Bracket
8	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
9	210010000060	2	Pneumatic lever
10	215010000059	2	Bolt M8×30-8.8-ZnD GB/T 5783
11	215010000050	4	Bolt M6×16-A2-70 GB/T 5783
12	215040000033	4	Washer 6-A2 GB/T 97.1
13	209030000009	1	Handle, latch
14	215040000015	4	Washer 8-200HV-ZnD GB/T 96.1
15	105001020230	1	Gasket, adjusting
16	215010000054	1	Bolt M6×40-A2-70 GB/T 5783
17	215010000052	2	Bolt M6×25-A2-70 GB/T 5783
18	215040000033	5	Washer 6-A2 GB/T 97.1
19	215060000003	1	Pin 3.2×16-ZnD GB/T 91
20	105038020045	1	Weldment, exhaust elbow
21	215030000005	2	Nut M8-8-ZnD GB/T 6170
22	215040000004	4	Washer 6-A2-70 GB/T 93
23	215030000004	5	Nut M6-A2-70 GB/T 6170
24	215040000004	7	Washer 6-A2-70 GB/T 93
25	105021020162	2	Mounting plate
26	215030000026	4	Nut M8-8-ZnD GB/T889.1
27	105029020021	1	Retainer, right side latch
28	215010000053	1	Bolt M6×30-A2-70 GB/T 5783
29	105029020008	1	Bracket
30	215040000034	26	Washer 8-200HV-ZnD GB/T 97.1
31	215010000058	6	Bolt M8×25-8.8-ZnD GB/T 5783
32	105031020008	1	Plate
33	105001020229	1	Gasket, adjusting
34	105038020018	1	Bottom plate
35	215010000059	6	Bolt M8×30-8.8-ZnD GB/T 5783
36	215010000060	6	Bolt M8×35-8.8-ZnD GB/T 5783
37	209050000002	1	Latch, right
38	105029020024	1	Bracket, right

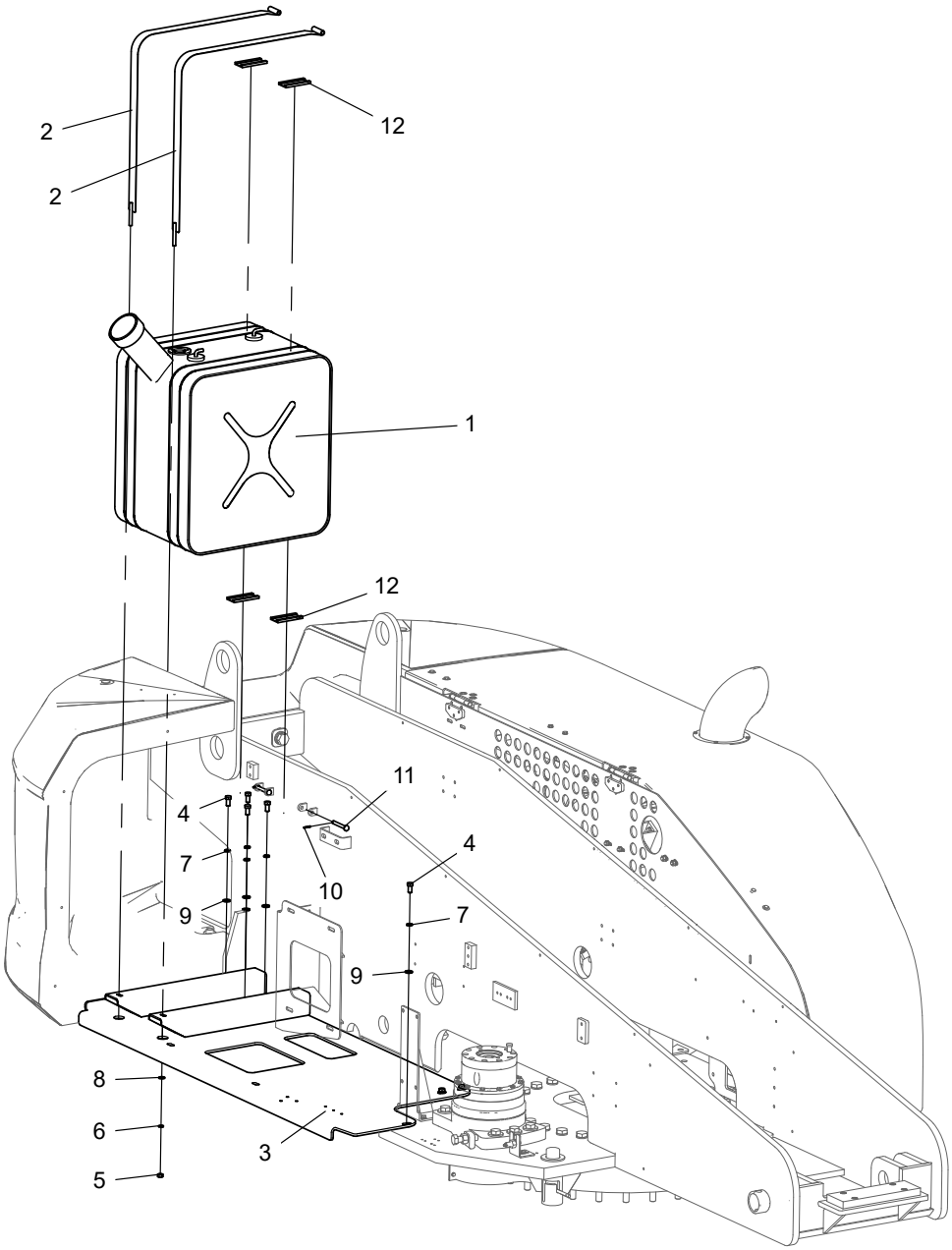
No.	Part No.	Qty.	Description
39	215040000005	22	Washer 8-ZnD GB/T 93
40	215010000064	6	Bolt M8×55-8.8-ZnD GB/T 5783
41	215010000056	3	Bolt M8×16-8.8-ZnD GB/T 5783
42	215010000073	8	Bolt M10×35-8.8-ZnD GB/T 5783
43	105029020044	1	Mounting bracket
44	215060000068	1	Pin B10×110-ZnD GB/T 882
45	215040000006	8	Washer 10-ZnD GB/T 93
46	215010000052	4	Bolt M6×25-A2-70 GB/T 5783
47	215010000057	11	Bolt M8×20-8.8-ZnD GB/T 5783

2.4 COUNTERWEIGHT INSTALLATION



No.	Part No.	Qty.	Description
1	105031020001	1	Counterweight
2	105001020137	2	Pad
3	105001020138	4	Washer
4	213060003001	2	Choke plug
5	215010000030	2	Bolt M24×90-8.8-ZnD GB/T 5782
6	215010000165	2	Bolt M24×230-8.8-ZnD GB/T 5782
7	215030000014	2	Nut M24-8-ZnD GB/T 6170
8	215030000021	2	Nut M24-8-ZnD GB/T 6172.1
9	215040000010	2	Washer 24 GB/T 93
10	215040000043	2	Washer 24-200HV-ZnD GB/T 97.1

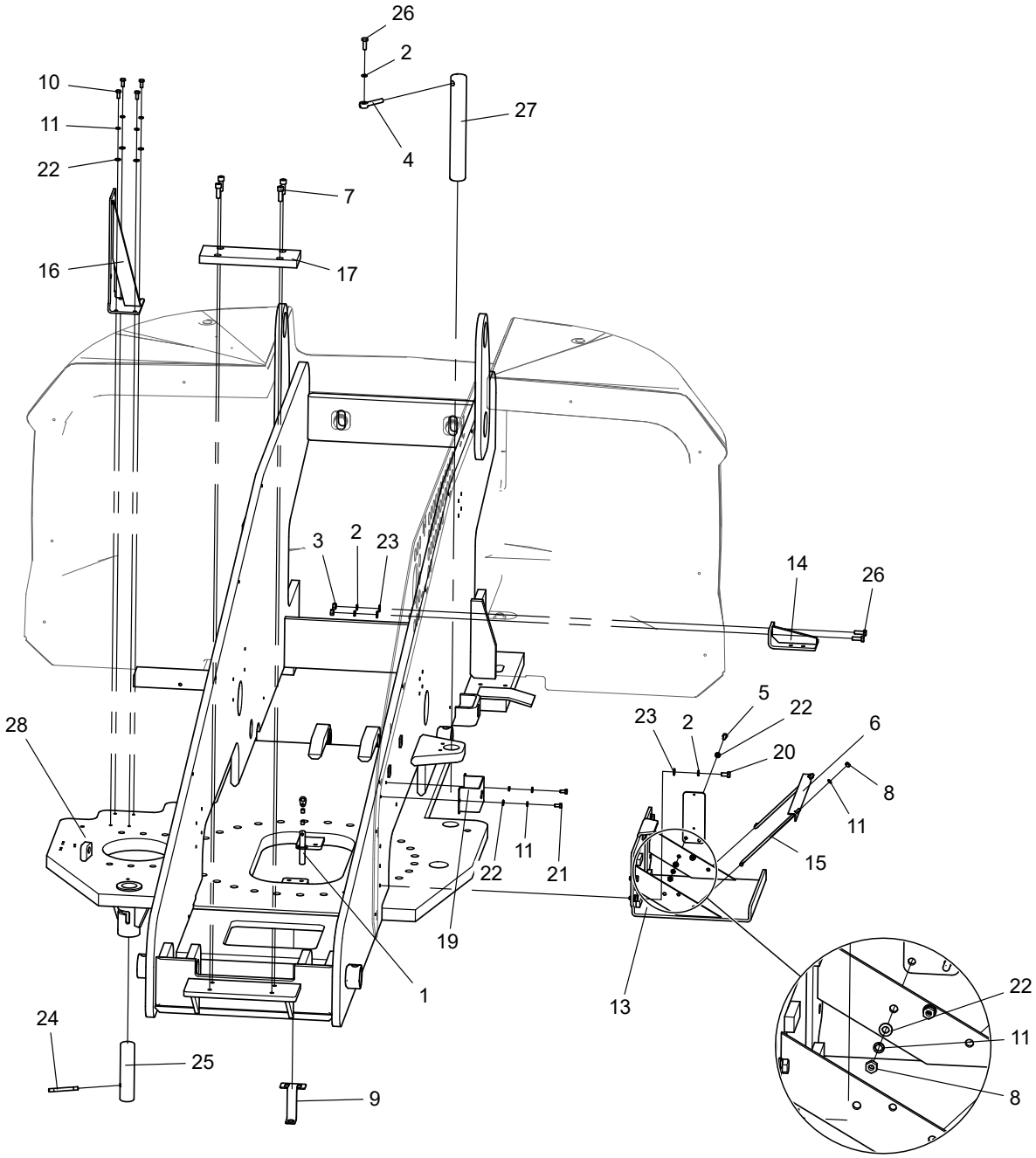
2.5 FUEL TANK INSTALLATION



 © Sep 2020

No.	Part No.	Qty.	Description
1	105001020142	1	Fuel tank
2	105001020148	2	Mounting strap
3	105029023003	1	Bottom plate, fuel tank
4	215010000089	7	Bolt M12×25-8.8-ZnD GB/T 5783
5	215030000006	2	Nut M10-8-ZnD GB/T 6170
6	215040000006	2	Washer 10-ZnD GB/T 93
7	215040000007	7	Washer 12-ZnD GB/T 93
8	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
9	215040000037	7	Washer 12-200HV-ZnD GB/T 97.1
10	215060000003	2	Pin 3.2×16-ZnD GB/T 91
11	215060000030	2	Pin B10×80-ZnD GB/T 882
12	216030000023	4	Clamp,double U type,40mm,PVC rubber

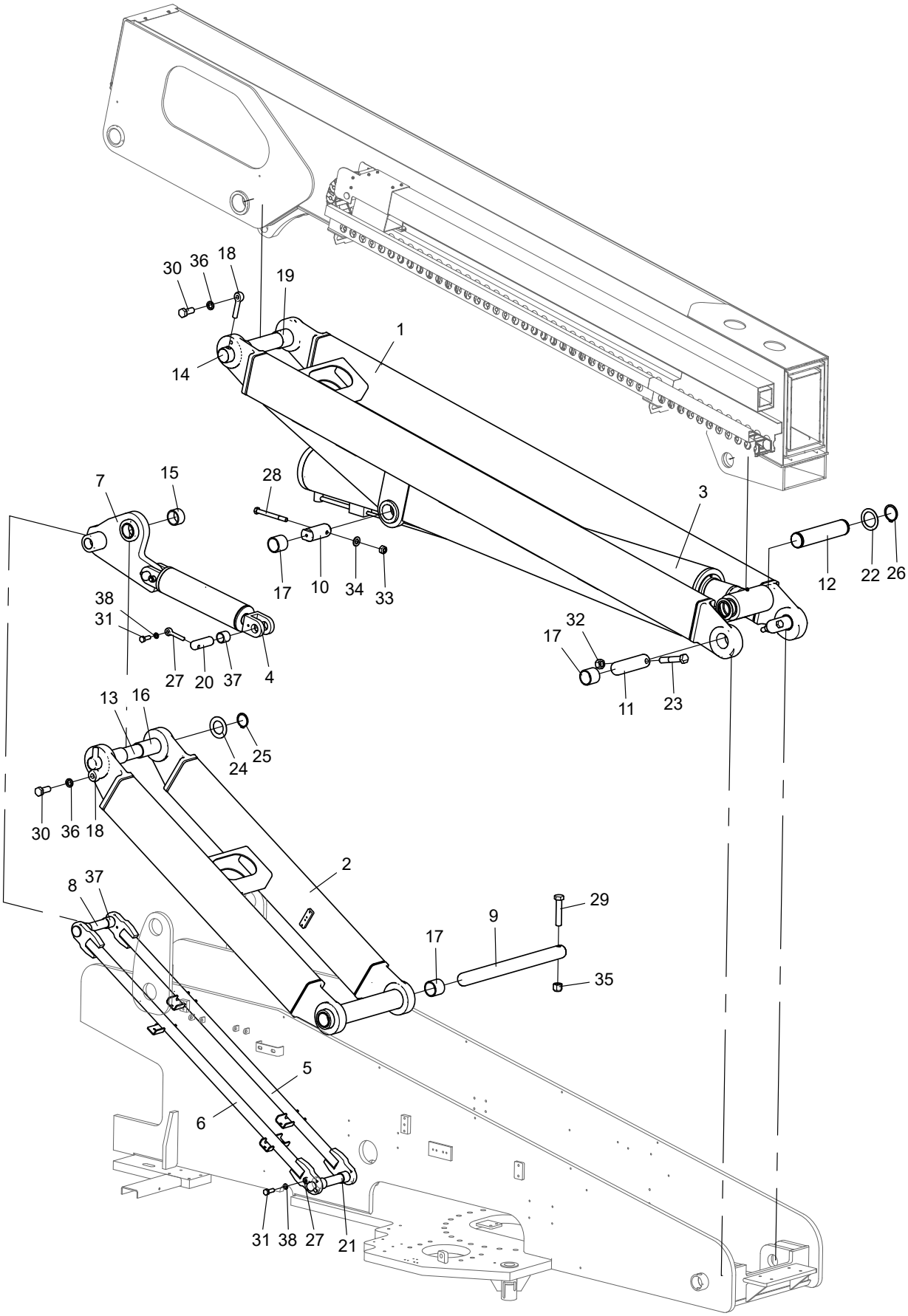
2.6 TURNTABLE SHIELD INSTALLATION



No.	Part No.	Qty.	Description
1	105001020178	1	Safety pin
2	215040000006	8	Washer 10-ZnD GB/T 93
3	215030000006	2	Nut M10-8-ZnD GB/T 6170
4	209020000002	1	Keeper pin Φ12-75
5	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
6	105001020176	1	Pressbar 2
7	215020000076	4	Screw M12×35-8.8-ZnD GB/T 70.1
8	215030000005	4	Nut M8-8-ZnD GB/T 6170
9	105017020037	1	Mounting plate, rear detection
10	215010000057	4	Bolt M8×20-8.8-ZnD GB/T 5783
11	215040000005	10	Washer 8-ZnD GB/T 93
13	105001020179	1	Bracket, battery
14	105032053003	1	Bracket, filter
15	105001020169	2	Tie rod
16	105001020180	1	Bracket, boom function valve
17	105001020167	1	Plate, nylon
18	105030020001	1	Plate
19	105001020174	1	Bracket, manual switch
20	215010000068	5	Nut M10×20-8.8-ZnD GB/T 5783
21	215010000056	2	Bolt M8×16-8.8-ZnD GB/T 5783
22	215040000034	10	Washer 8-200HV-ZnD GB/T 97.1
23	215040000035	7	Washer 10-200HV-ZnD GB/T 97.1
24	105001020160	1	Handle, safety pin
25	105001020159	1	Safety pin
26	215010000071	3	Bolt M10×30-8.8-ZnD GB/T 5783
27	105001020165	1	Pin XGΦ50-347[Z]
28	105031020017	1	Weldment, turntable

3 BOOM COMPONENTS

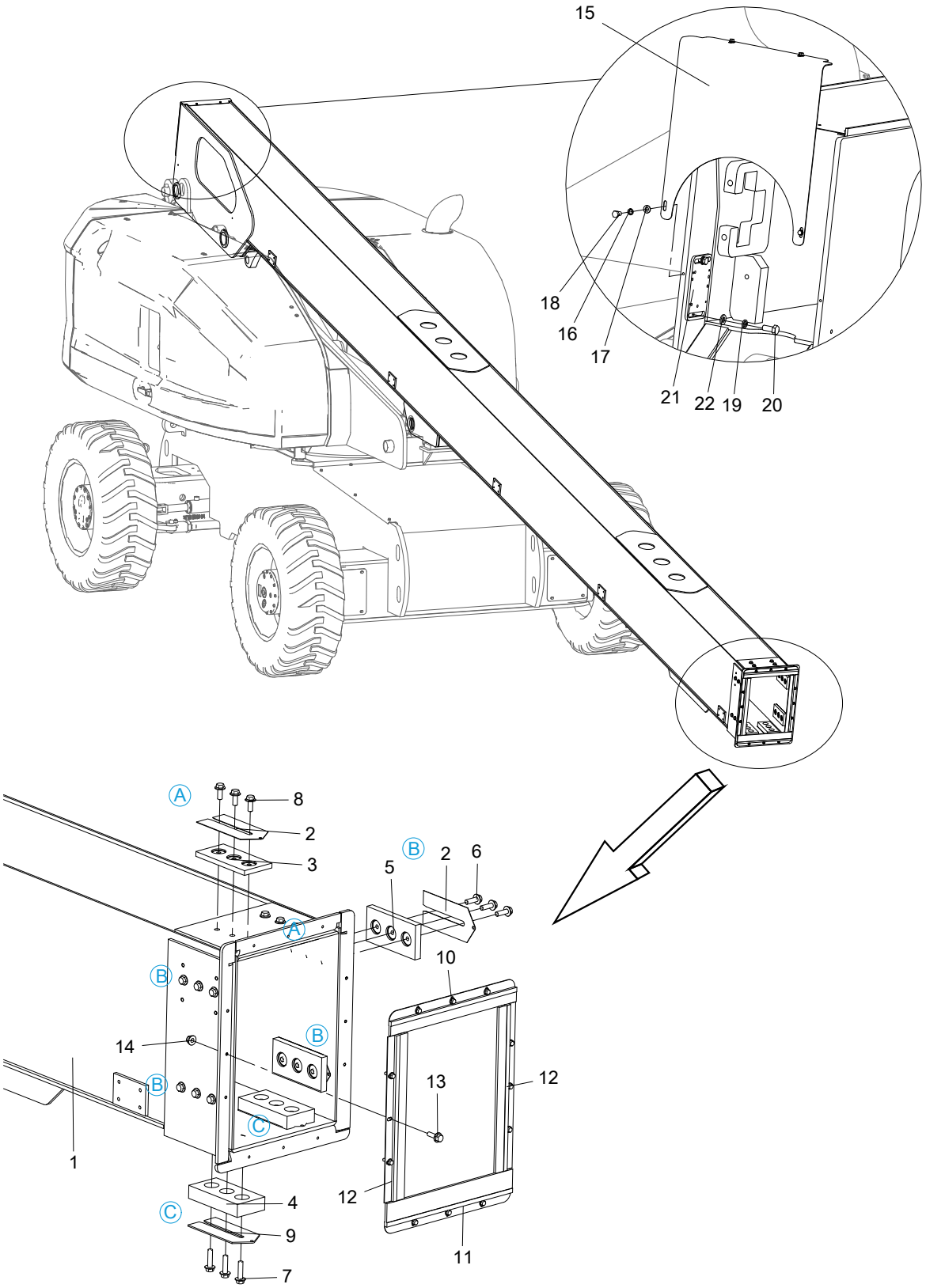
3.1 BOOM LINK ASSEMBLY



No.	Part No.	Qty.	Description
1	105031010015	1	Riser arm, upper
2	105031010006	1	Riser arm, lower
3	105003010043	1	Lift cylinder
4	105001010196	1	Level cylinder, lower
5	105048010006	1	Link
6	105048010005	1	Link
7	105003010079	1	Connector
8	105003010083	2	Pin XGΦ40-295
9	105001010227	1	Pin XGΦ60-690
10	105003010085	2	Pin XJΦ60-138
11	105031013003	2	Pin XGΦ60-210[Z]
12	105003010002	1	Pin XGΦ70-325
13	105003010084	1	Pin XGΦ60-505
14	105003010082	1	Pin XGΦ70-510
15	214030000060	2	Bushing, self-lubricating, 60×70×40
16	214030000061	2	Bushing, self-lubricating, 60x70x120
17	214030000090	6	Bushing, self-lubricating, 60×70×60
18	105001030084	2	Keeper pin Φ20-105
19	214030000040	2	Bushing, self-lubricating, 70×80×70
20	105001010235	2	Pin XGΦ40-120
21	214050003000	2	Bushing, self-lubricating, 40×48×40
22	105003010004	3	Washer
23	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
24	105003010045	1	Washer
25	215040000100	1	Snap ring 60-DKL JB/ZQ 4342
26	215040000101	3	Snap ring 70-DKL JB/ZQ 4342
27	209020000002	4	Keeper pin Φ12-75
28	215010000170	2	Bolt M14×140-8.8 GB/T 5782
29	215010000206	1	Bolt M20×100-10.9-DKL GB/T 5782
30	215010000110	2	Bolt M16×40-8.8-ZnD GB/T 5783
31	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
32	215030000012	2	Nut M20-8-ZnD GB/T 6170
33	215030000080	2	Nut M14-8-ZnD GB/T 889.1
34	215040000119	2	Washer 14-200HV GB/T97.1
35	215030000098	1	Nut M20-8-ZnD GB/T889.1
36	215040000008	2	Washer 16 GB/T 93
37	214030000053	4	Bearing, self-lubricating

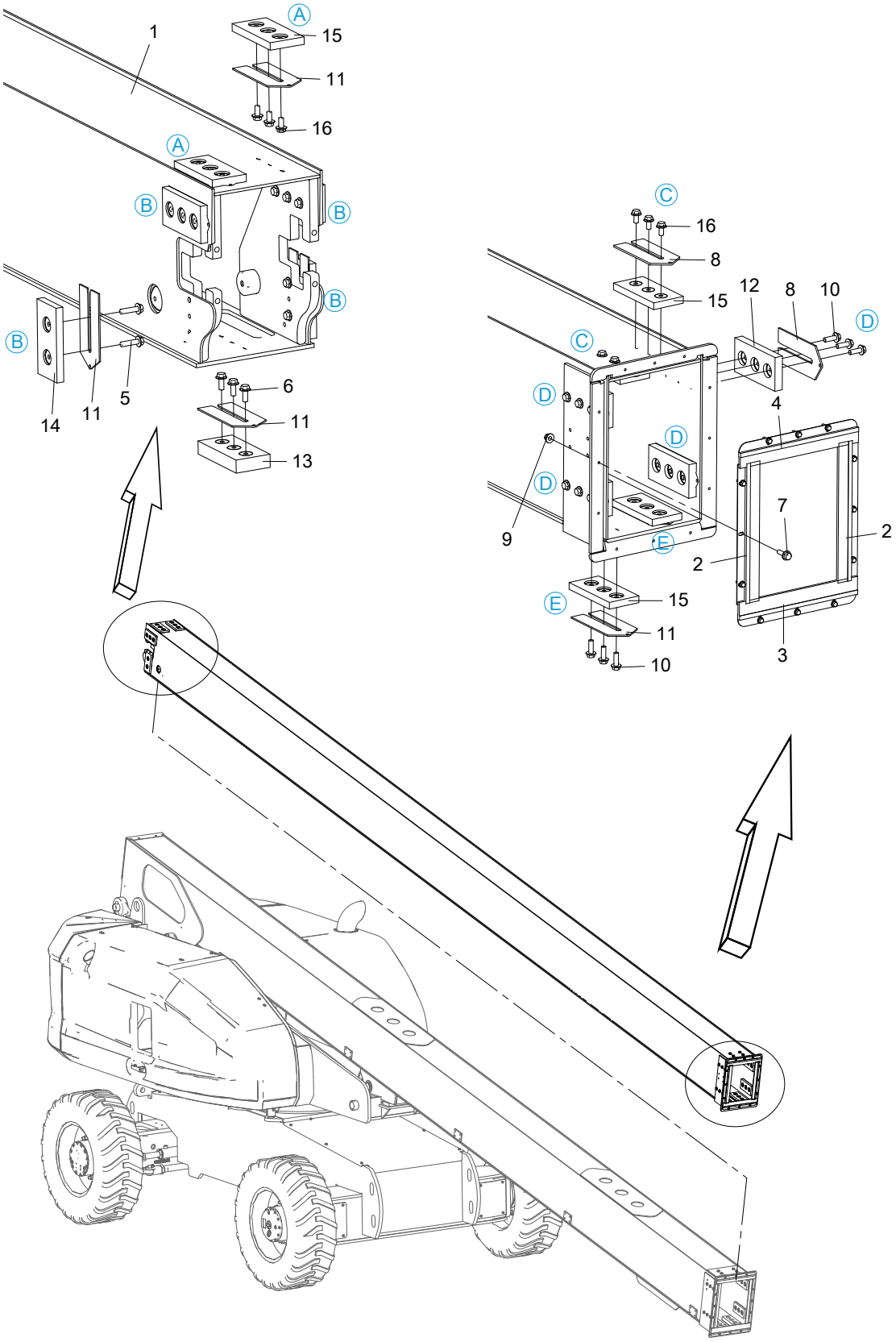
No.	Part No.	Qty.	Description
38	215040000006	4	Washer 10-ZnD GB/T 93

3.2 BASE BOOM INSTALLATION



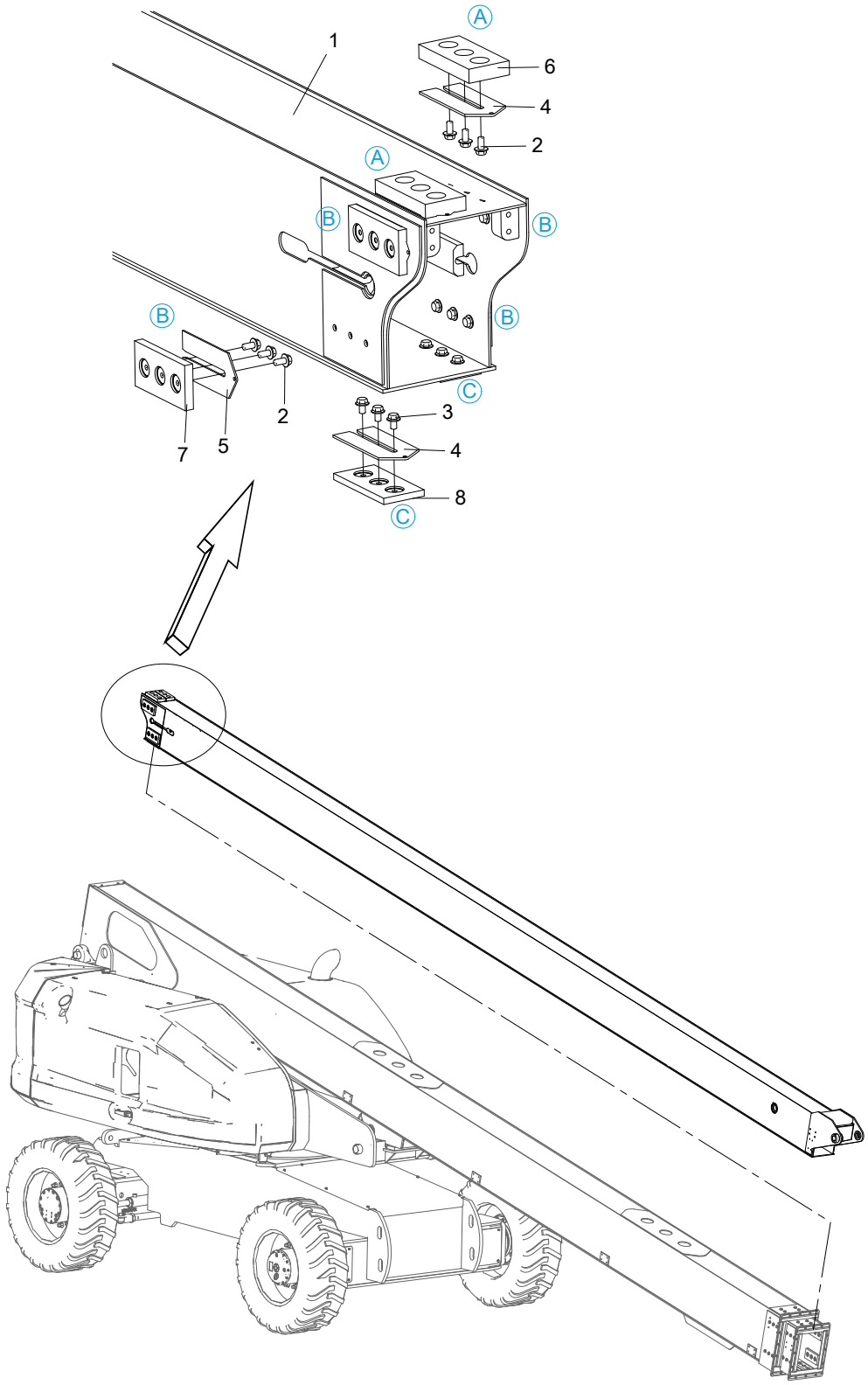
No.	Part No.	Qty.	Description
1	105003010025	1	Base boom
2	105031013002	6	Shim
3	105048010031	2	Wear pad assembly
4	105017010014	2	Wear pad assembly
5	105047010052	4	Wear pad assembly
6	215010000239	12	Bolt M10×30-8.8-ZnD GB/T 5789
7	215010000240	6	Bolt M10×40-8.8-ZnD GB/T 5789
8	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
9	105031013000	2	Shim
10	105001010144	1	Brush, nylon
11	105001010153	1	Brush, nylon
12	105001010136	2	Brush, nylon
13	215010000231	12	Bolt M6×20-8.8-ZnD GB/T 5789
14	215030000107	12	Nut M6-8-ZnD GB/T 6183
15	105001010151	1	End cover
16	215040000003	4	Washer 5-A2-70 GB/T 93
17	215040000032	4	Washer 5-A2 GB/T 97.1
18	215010000040	4	Bolt M5×10-A2-70 GB/T 5783
19	215040000005	2	Washer 8-ZnD GB/T 93
20	215010000057	2	Bolt M8×20-8.8-ZnD GB/T 5783
21	105001010200	1	Mount, angle sensor
22	215040000034	2	Washer 8-200HV-ZnD GB/T 97.1

3.3 TELESCOPIC BOOM 1 INSTALLATION



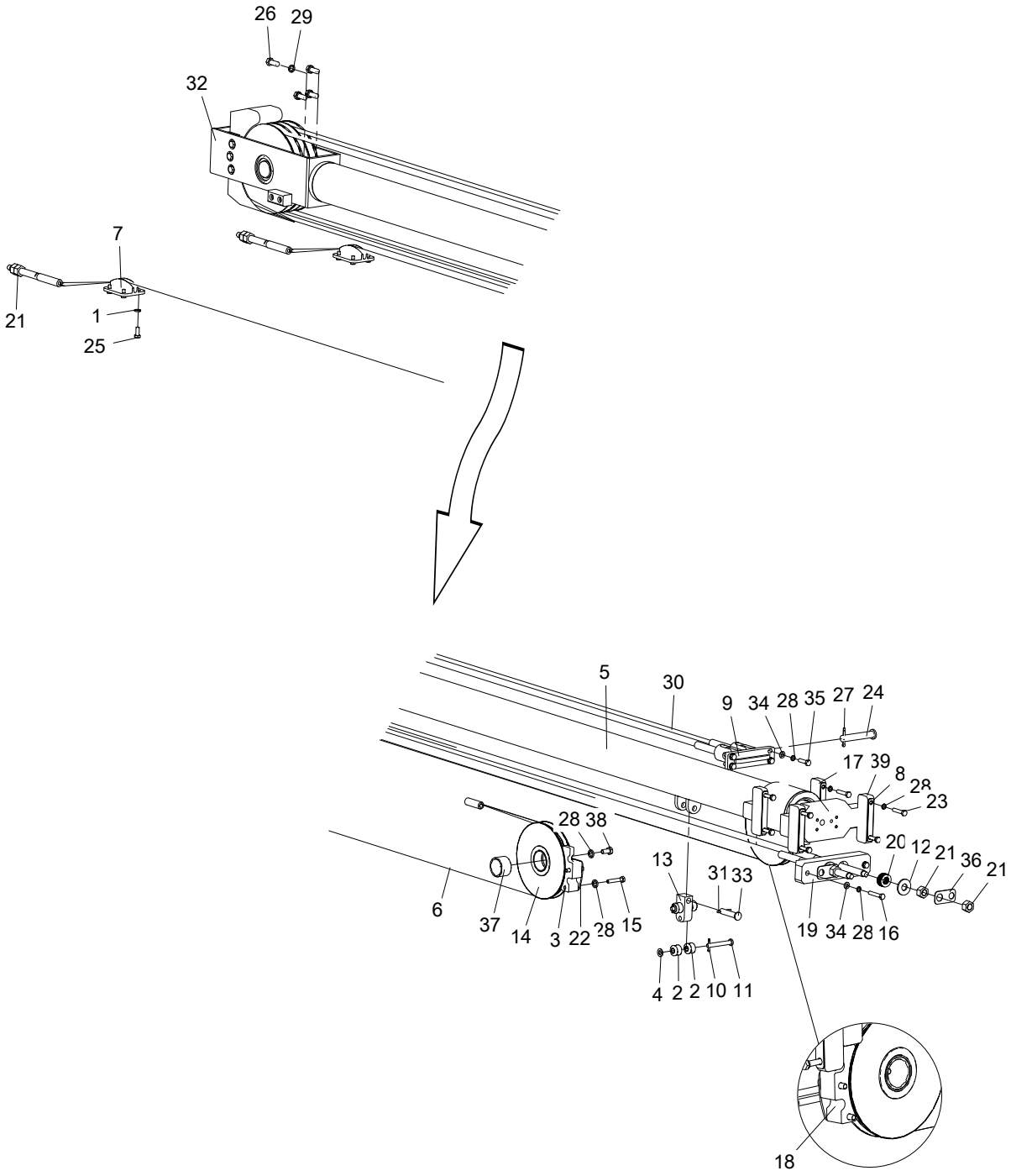
No.	Part No.	Qty.	Description
1	105003010031	1	Telescopic boom, #1
2	105001010148	2	Brush, nylon
3	105001010125	1	Brush, nylon
4	105001010140	1	Brush, nylon
5	215010000240	10	Bolt M10×40-8.8-ZnD GB/T 5789
6	215010000238	3	Bolt M10×25-8.8-ZnD GB/T 5789
7	215010000231	12	Bolt M6×20-8.8-ZnD GB/T 5789
8	105031013001	6	Shim
9	215030000107	12	Nut M6-8-ZnD GB/T 6183
10	215010000239	18	Bolt M10×30-8.8-ZnD GB/T 5789
11	105031013000	9	Shim
12	105047010037	4	Wear pad assembly
13	105048010033	1	Wear pad assembly
14	105047010078	2	Wear pad assembly
15	105047010052	8	Wear pad assembly
16	215010000237	12	Bolt M10×20-8.8-ZnD GB/T 5789

3.4 TELESCOPIC BOOM 2 INSTALLATION



No.	Part No.	Qty.	Description
1	105003010037	1	Telescopic boom, #2
2	215010000237	18	Bolt M10×20-8.8-ZnD GB/T 5789
3	215010000245	6	Bolt M10×16-8.8-ZnD GB/T 5789
4	105031013001	4	Shim
5	105031013000	4	Shim
6	105047010044	2	Wear pad assembly
7	105047010052	4	Wear pad assembly
8	105048010031	2	Wear pad assembly

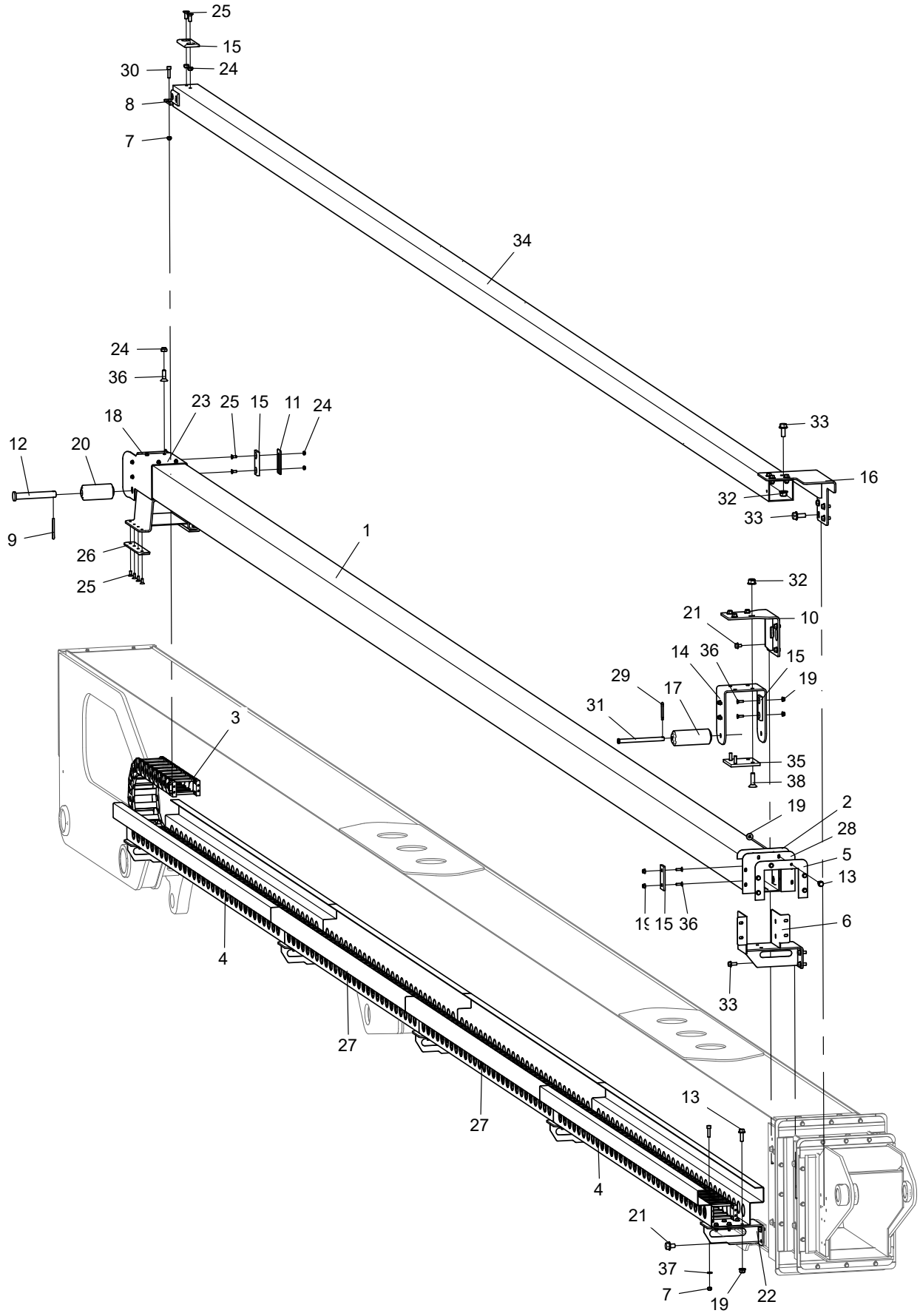
3.5 TELESCOPIC MECHANISM



No.	Part No.	Qty.	Description
1	215040000005	8	Washer 8-ZnD GB/T 93
2	105001010067	4	Roller
3	105001010063	1	Stop block, left
4	215040000037	2	Washer 12-200HV-ZnD GB/T 97.1
5	105003010001	1	Telescopic cylinder
6	105003010039	2	Retract cable
7	105001013000	2	Guide block
8	105001010038	8	Shim
9	105001010055	1	Retainer, upper cable
10	215060000003	2	Pin 3.2×16-ZnD GB/T 91
11	215060000035	2	Pin B12×90-ZnD GB/T 882
12	105001010252	2	Washer
13	105001010045	1	Mounting block
14	105001010060	2	Sheave assembly
15	215010000081	4	Bolt M10×55-8.8-ZnD GB/T 5783
16	215010000010	2	Bolt M10×60-8.8-ZnD GB/T 5782
17	105001010039	2	Press block, cylinder
18	105001010032	1	Stop block, right
19	105001010073	1	Plate, broken cable detection
20	210110000001	2	Spring, compression
21	215030000012	8	Nut M20-8-ZnD GB/T 6170
22	105001010033	2	Plate
23	215010000079	8	Bolt M10×50-8.8-ZnD GB/T 5783
24	215060000052	1	Pin B20×120-ZnD GB/T 882
25	215010000057	8	Bolt M8×20-8.8-ZnD GB/T 5783
26	215010000181	4	Bolt M14×35-8.8 GB/T5783
27	215060000066	1	Pin 4×25-ZnD GB/T 91
28	215040000006	20	Washer 10-ZnD GB/T 93
29	215040000106	4	Washer 14-ZnD GB/T 93
30	105003010040	2	Extend cable
31	215060000004	1	Pin 3.2×25-ZnD GB/T 91
32	105001010066	1	Head sheave assembly
33	215060000042	1	Pin B16×80-ZnD GB/T 882
34	215040000035	6	Washer 10-200HV-ZnD GB/T 97.1
35	215010000075	4	Bolt M10×40-8.8-ZnD GB/T 5783
36	105001010253	2	Plate, detection
37	105001010065	2	Bushing
38	215010000068	2	Nut M10×20-8.8-ZnD GB/T 5783

No.	Part No.	Qty.	Description
39	105001010029	2	Press block, cylinder

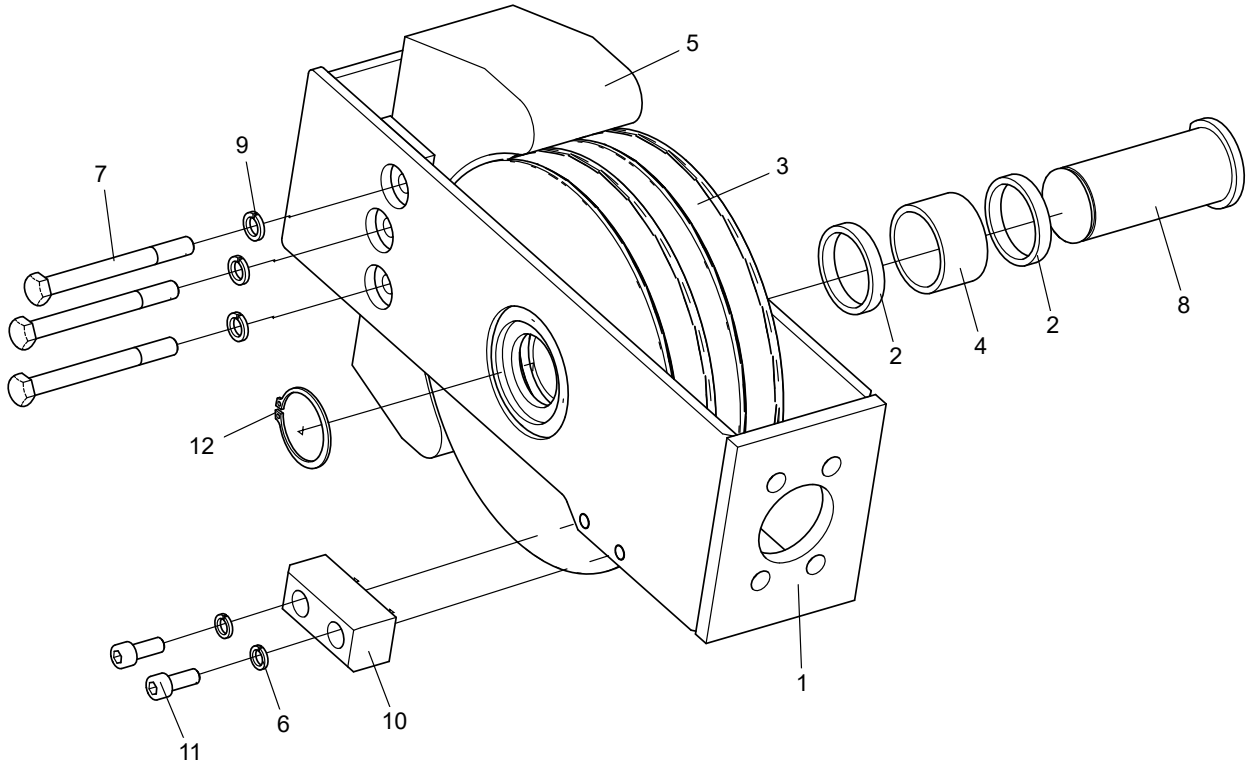
3.6 CABLE TRACK INSTALLATION



No.	Part No.	Qty.	Description
1	105003010010	1	Guide tube, outer
2	105001010101	1	Plate
3	204190000071	1	Cable track and joints
3a	204190000073	143	Link section
3b	204190000074	1	Joint, moving end
3c	204190000070	1	Joint, fixed end
4	105003010009	2	Channel plate
5	105001010111	1	Plate
6	105031013020	1	Bracket
7	215030000091	4	Nut M5-A2-70 GB/T 889.1
8	105001010080	1	Plate
9	215060000007	1	Pin 4×32-ZnD GB/T 91
10	105001010112	1	Bracket
11	105029010014	2	Shim
12	215060000053	1	Pin B20×140-ZnD GB/T 882
13	215010000231	36	Bolt M6×20-8.8-ZnD GB/T 5789
14	105031013017	1	Bracket
15	105029010012	11	Stop block
16	105031013023	1	Bracket
17	105019010183	1	Roller
18	105001010079	2	Plate, locking
19	215030000107	46	Nut M6-8-ZnD GB/T 6183
20	105001010084	1	Roller
21	215010000233	24	Bolt M8×12-8.8-ZnD GB/T 5789
22	105001010114	5	Bracket, channel
23	105001010108	1	Slide bush
24	215030000025	20	Nut M6-8-A2-70 GB/T 889.1
25	215020000236	18	Screw M6×16-A2-70 GB/T 70.3
26	105001010094	2	Wear pad
27	105003010005	2	Channel plate
28	105001010090	1	Rubber
29	215060000066	1	Pin 4×25-ZnD GB/T 91
30	215020000008	4	Screw M5×20-A2-70 GB/T 70.1
31	105019010179	1	Pin
32	215030000108	8	Nut M8-8-ZnD GB/T 6183
33	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
34	105003010008	1	Guide tube, inner
35	105001010102	1	Wear pad, nylon

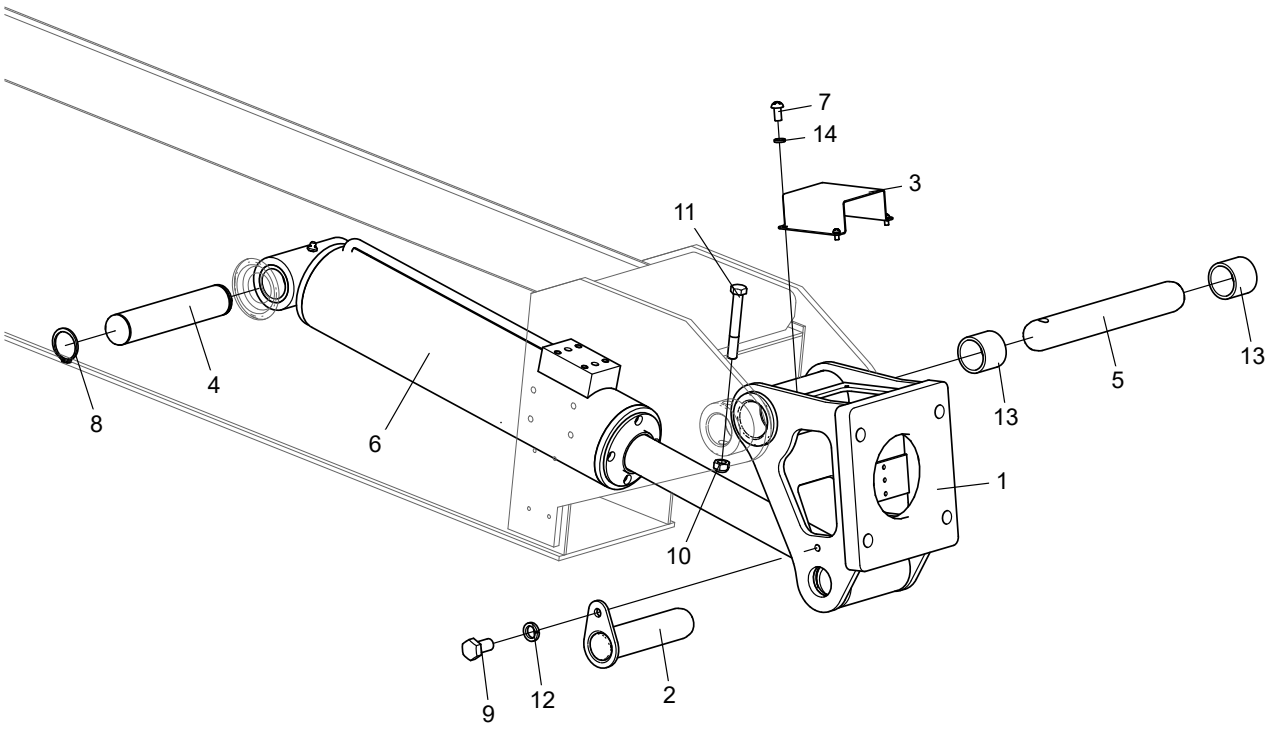
No.	Part No.	Qty.	Description
36	215020000229	20	Screw M6×20-A2-70 GB/T 70.3
37	215040000032	2	Washer 5-A2 GB/T 97.1
38	215020000228	4	Screw M8×30-8.8-ZnD GB/T 70.3

3.7 HEAD SHEAVE ASSEMBLY



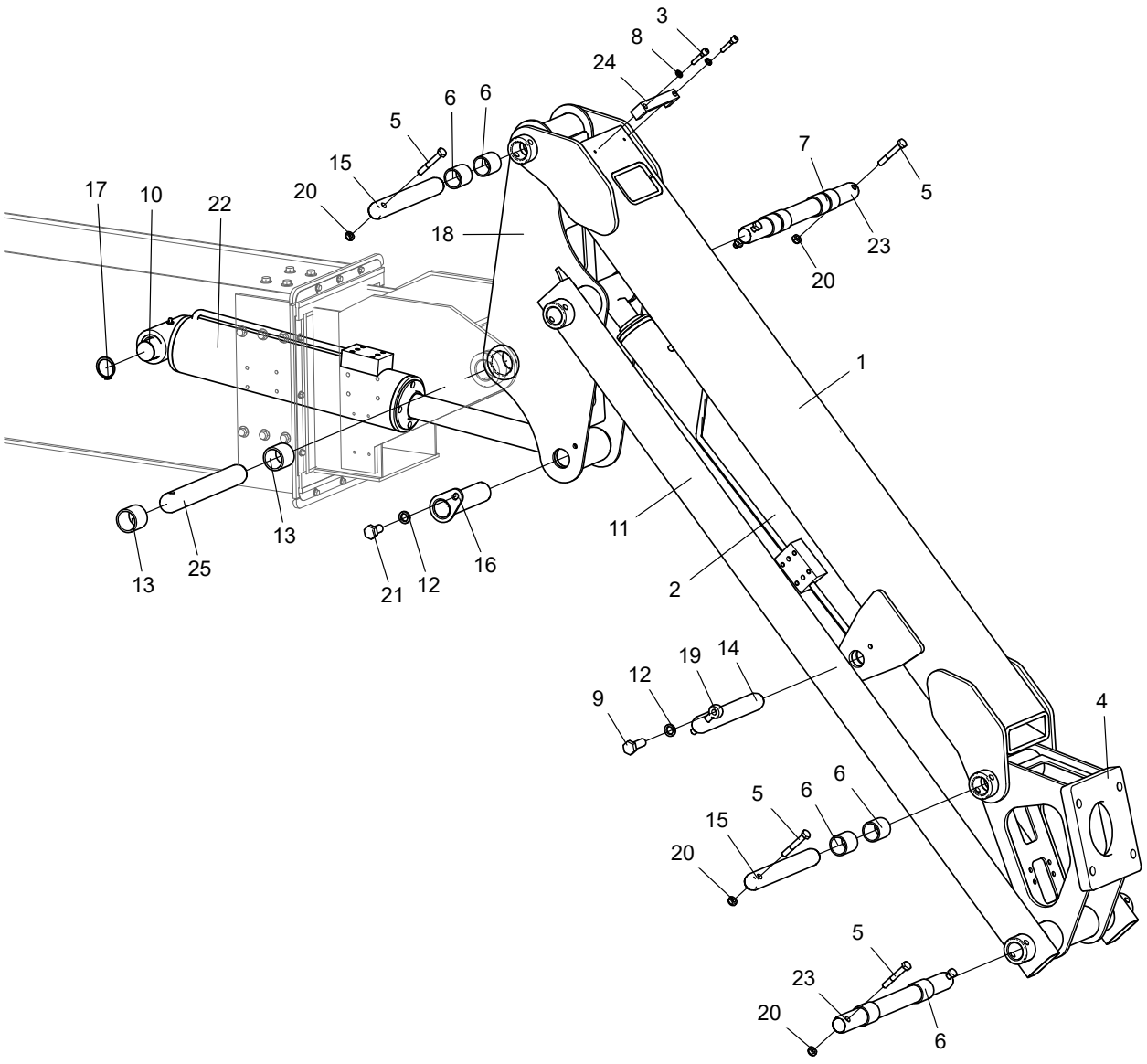
No.	Part No.	Qty.	Description
1	105001010265	1	Retainer, head sheave
2	105001010072	2	Sleeve
3	105001010074	2	Sheave assembly
4	105001010043	1	Sleeve
5	105001010059	1	Wear pad
6	215040000006	4	Washer 10-ZnD GB/T 93
7	215010000019	3	Bolt M12×120-8.8-ZnD GB/T 5782
8	105001010062	1	Pin XJΦ50-125
9	215040000007	3	Washer 12-ZnD GB/T 93
10	105001010057	2	Wear pad
11	215020000049	4	Screw M10×25-8.8-ZnD GB/T 70.1
12	215040000089	1	Snap ring 50-DKL GB/T 894.1

3.8 MASTER CYLINDER INSTALLATION-GTBZ26



No.	Part No.	Qty.	Description
1	105001040067	1	Connector
2	105001040018	1	Pin Φ40-158[Z]
3	105001010248	1	Cover, platform valve
4	105001010155	1	Pin XGΦ40-206
5	105001010158	1	Pin XGΦ40-275
6	105001010194	1	Level cylinder
7	215020000109	4	Screw M5×10-A2-70 GB/T 818
8	215040000097	2	Snap ring 40-DKL JB/ZQ 4342
9	215010000068	1	Nut M10×20-8.8-ZnD GB/T 5783
10	215030000029	1	Nut M12-8-ZnD GB/T 889.1
11	215010000016	1	Bolt M12×90-8.8-ZnD GB/T 5782
12	215040000006	1	Washer 10-ZnD GB/T 93
13	214030000053	2	Bearing, self-lubricating
14	215040000003	4	Washer 5-A2-70 GB/T 93

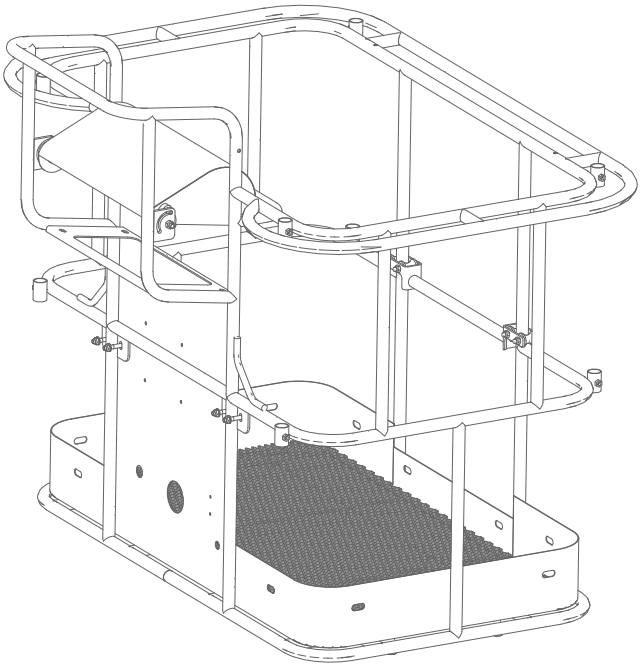
3.9 JIB BOOM INSTALLATION-GTBZ28J

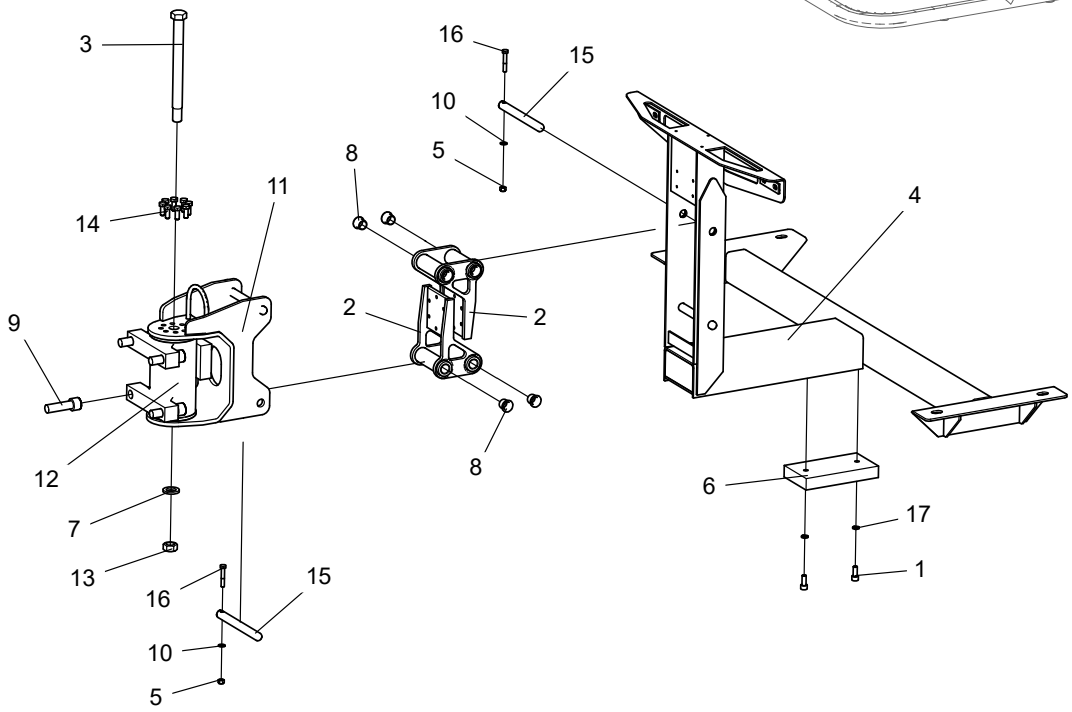


No.	Part No.	Qty.	Description
1	105029013006	1	Boom tube
2	105002010039	1	Lift cylinder, jib
3	215020000014	2	Screw M6×30-A2-70 GB/T 70.1
4	104014010088	1	Connector
5	215010000011	6	Bolt M10×70-8.8-ZnD GB/T 5782
6	214030000004	6	Bearing, self-lubricating
7	214030000069	4	Bearing, self-lubricating, 35×41×30
8	215040000004	2	Washer 6-A2-70 GB/T 93
9	215010000071	1	Bolt M10×30-8.8-ZnD GB/T 5783
10	105001010155	1	Pin XGΦ40-206
11	105002010036	2	Link
12	215040000006	2	Washer 10-ZnD GB/T 93
13	214030000053	2	Bearing, self-lubricating
14	104022010042	1	Pin XGΦ35-225
15	104014010070	2	Pin XGΦ35-235
16	105002010014	1	Pin assembly Φ40-150
17	215040000097	2	Snap ring 40-DKL JB/ZQ 4342
18	105002010037	1	Pivot
19	209020000002	1	Keeper pin Φ12-75
20	215030000027	6	Nut M10-8-ZnD GB/T 889.1
21	215010000068	1	Nut M10×20-8.8-ZnD GB/T 5783
22	105001010194	1	Level cylinder
23	104014010080	2	Pin XGΦ35-405
24	105002010023	1	Clamp, hose
25	105001010158	1	Pin XGΦ40-275

4 PLATFORM COMPONENTS

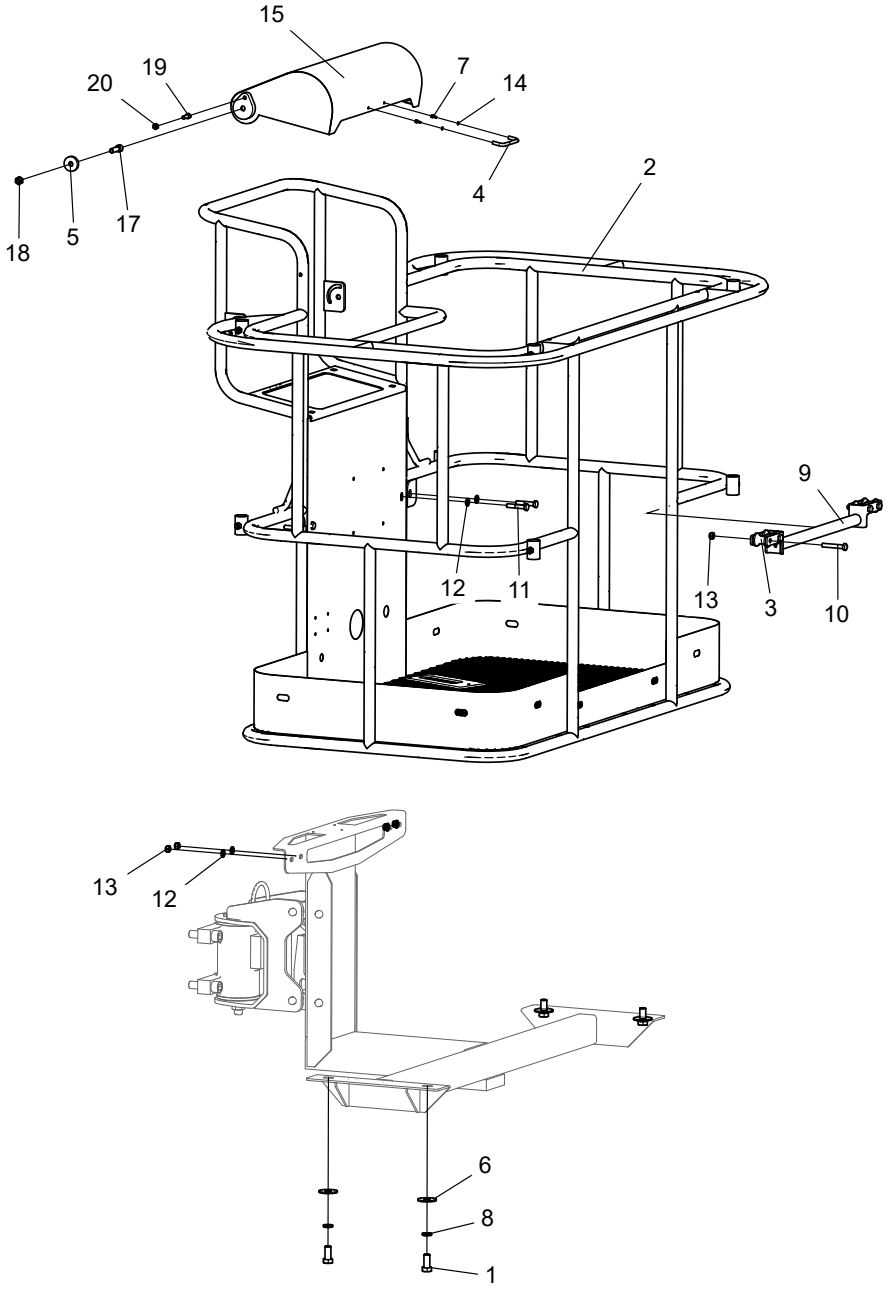
4.1 PLATFORM SUPPORT INSTALLATION





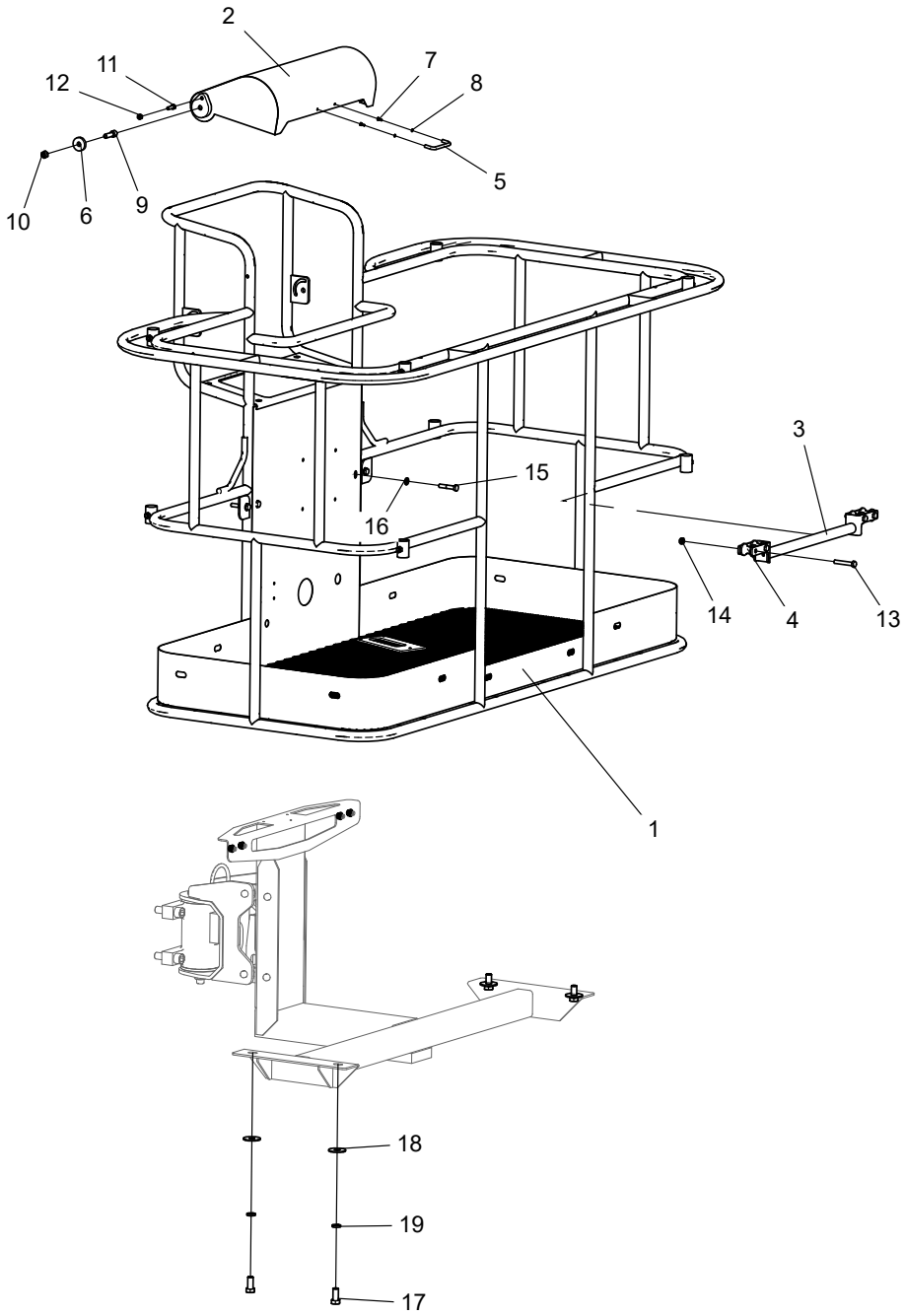
No.	Part No.	Qty.	Description
1	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
2	105001040075	2	Load support
3	105001040032	1	Bolt, swing motor
4-1	105001040002	1	Support, platform(For small or medium platform)
4-2	105003040008	1	Support(For large platform)
5	215030000026	4	Nut M8-8-ZnD GB/T889.1
6	105001040006	1	Pad
7	215040000108	1	Washer 22 GB/T 1230
8	214080000001	8	Bearing 20×23×21.5 SF-1F
9	215020000278	4	Screw M20×70-8.8-ZnD GB/T 70.1
10	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
11	105001040020	1	Support, rotator
12	202020000009	1	Swing motor
13	215030000069	1	Nut M22-8-ZnD GB/T6170
14	215010000070	8	Bolt M10×25-10.9-DKL GB/T 5783
15	105001040034	4	Pin XGΦ20-195
16	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
17	215040000006	2	Washer 10-ZnD GB/T 93

4.2 PLATFORM INSTALLATION (SMALL-SIZED)



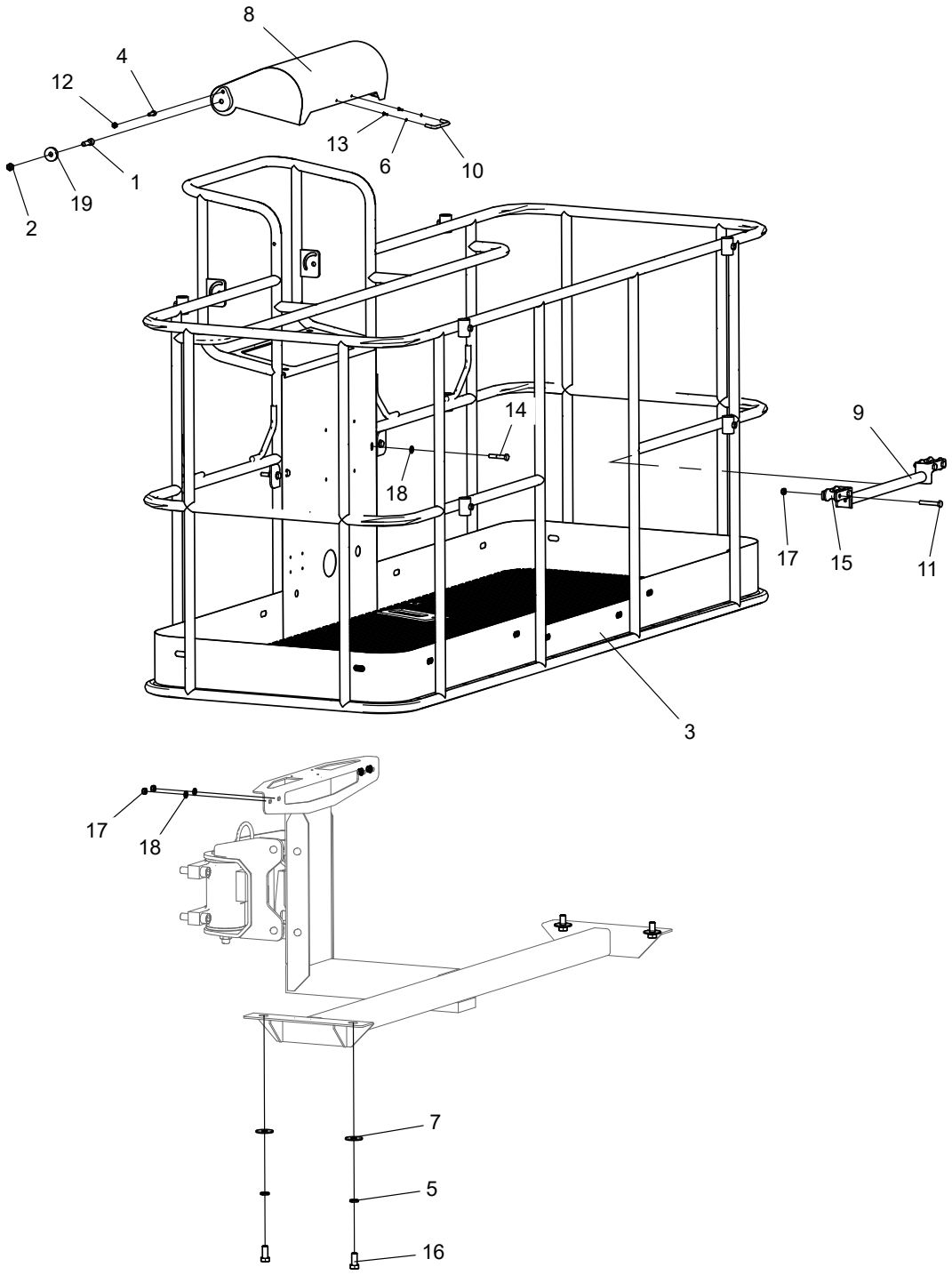
No.	Part No.	Qty.	Description
1	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
2	105001040039	1	Platform
3	105001040078	4	Roller
4	209030000001	1	Handle, C.C.96mm
5	105001040055	2	Washer
6	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
7	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
8	215040000008	4	Washer 16 GB/T 93
9	105001040023	1	Bar, drop
10	215010000085	4	Bolt M10×65-8.8-ZnD GB/T 5783
11	215010000009	4	Bolt M10×55-8.8-ZnD GB/T 5782
12	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
13	215030000027	8	Nut M10-8-ZnD GB/T 889.1
14	215040000002	2	Washer 4-A2-70 GB/T 93
15	105001040029	1	Hood
17	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
18	215030000029	2	Nut M12-8-ZnD GB/T 889.1
19	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
20	215030000005	2	Nut M8-8-ZnD GB/T 6170

4.3 PLATFORM INSTALLATION (MIDDLE-SIZED)



No.	Part No.	Qty.	Description
1	105021040007	1	Platform
2	105001040029	1	Hood
3	105001040023	1	Bar, drop
4	105001040078	4	Roller
5	209030000001	1	Handle, C.C.96mm
6	105001040055	2	Washer
7	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
10	215030000029	2	Nut M12-8-ZnD GB/T 889.1
11	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
12	215030000005	2	Nut M8-8-ZnD GB/T 6170
13	215010000085	4	Bolt M10×65-8.8-ZnD GB/T 5783
14	215030000027	8	Nut M10-8-ZnD GB/T 889.1
15	215010000009	4	Bolt M10×55-8.8-ZnD GB/T 5782
16	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
17	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
18	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
19	215040000008	4	Washer 16 GB/T 93

4.4 PLATFORM INSTALLATION (BIG-SIZED)



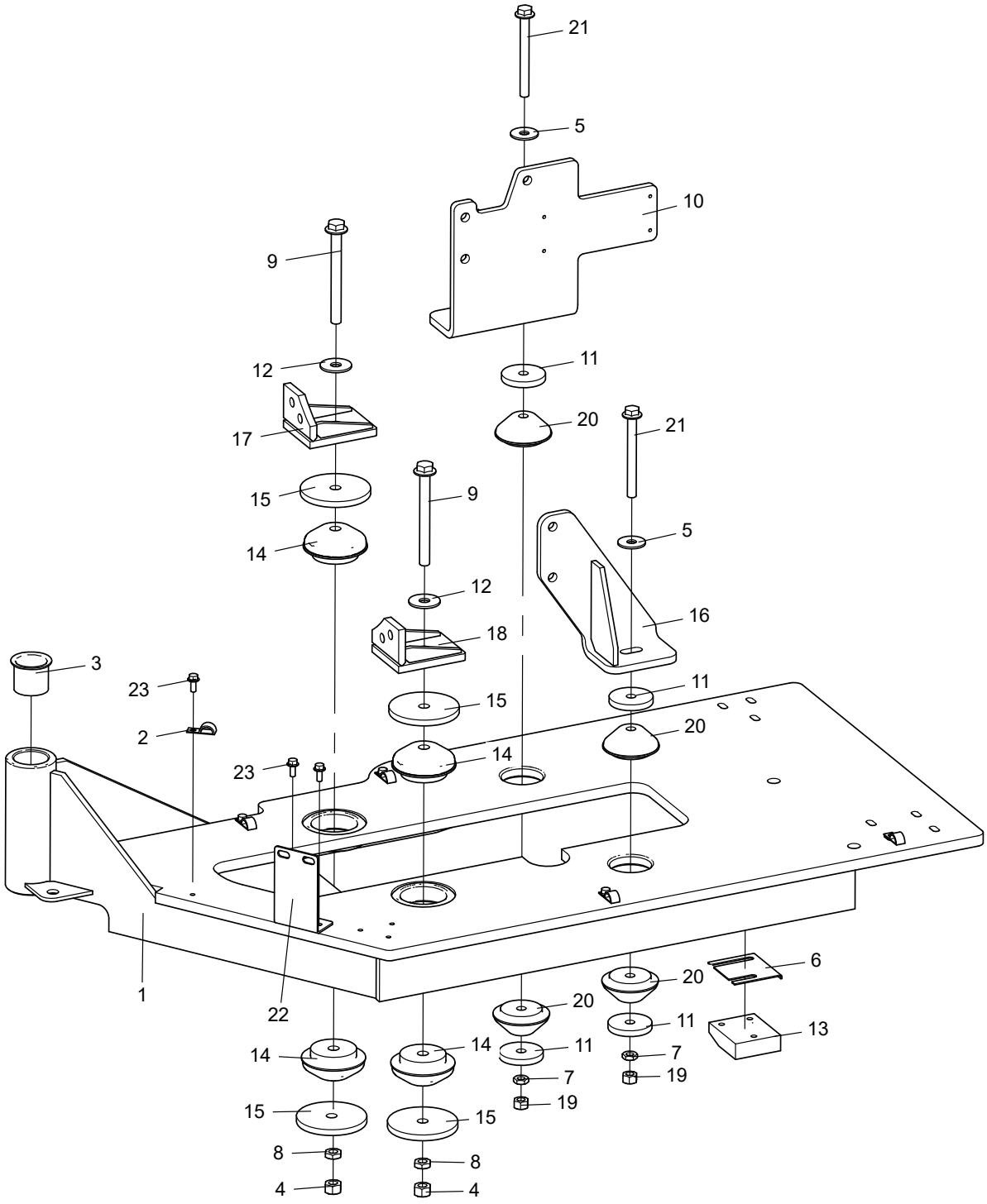
No.	Part No.	Qty.	Description
1	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
2	215030000029	2	Nut M12-8-ZnD GB/T 889.1
3	105003040002	1	Platform
4	215020000024	2	Screw M8×25-8.8-ZnD GB/T 70.1
5	215040000008	4	Washer 16 GB/T 93
6	215040000002	2	Washer 4-A2-70 GB/T 93
7	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
8	105001040029	1	Hood
9	105001040023	1	Bar, drop
10	209030000001	1	Handle, C.C.96mm
11	215010000085	4	Bolt M10×65-8.8-ZnD GB/T 5783
12	215030000005	2	Nut M8-8-ZnD GB/T 6170
13	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
14	215010000009	4	Bolt M10×55-8.8-ZnD GB/T 5782
15	105001040078	4	Roller
16	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
17	215030000027	8	Nut M10-8-ZnD GB/T 889.1
18	215040000035	8	Washer 10-200HV-ZnD GB/T 97.1
19	105001040055	2	Washer

This Page Intentionally Left Blank

5 ENGINE COMPONENTS

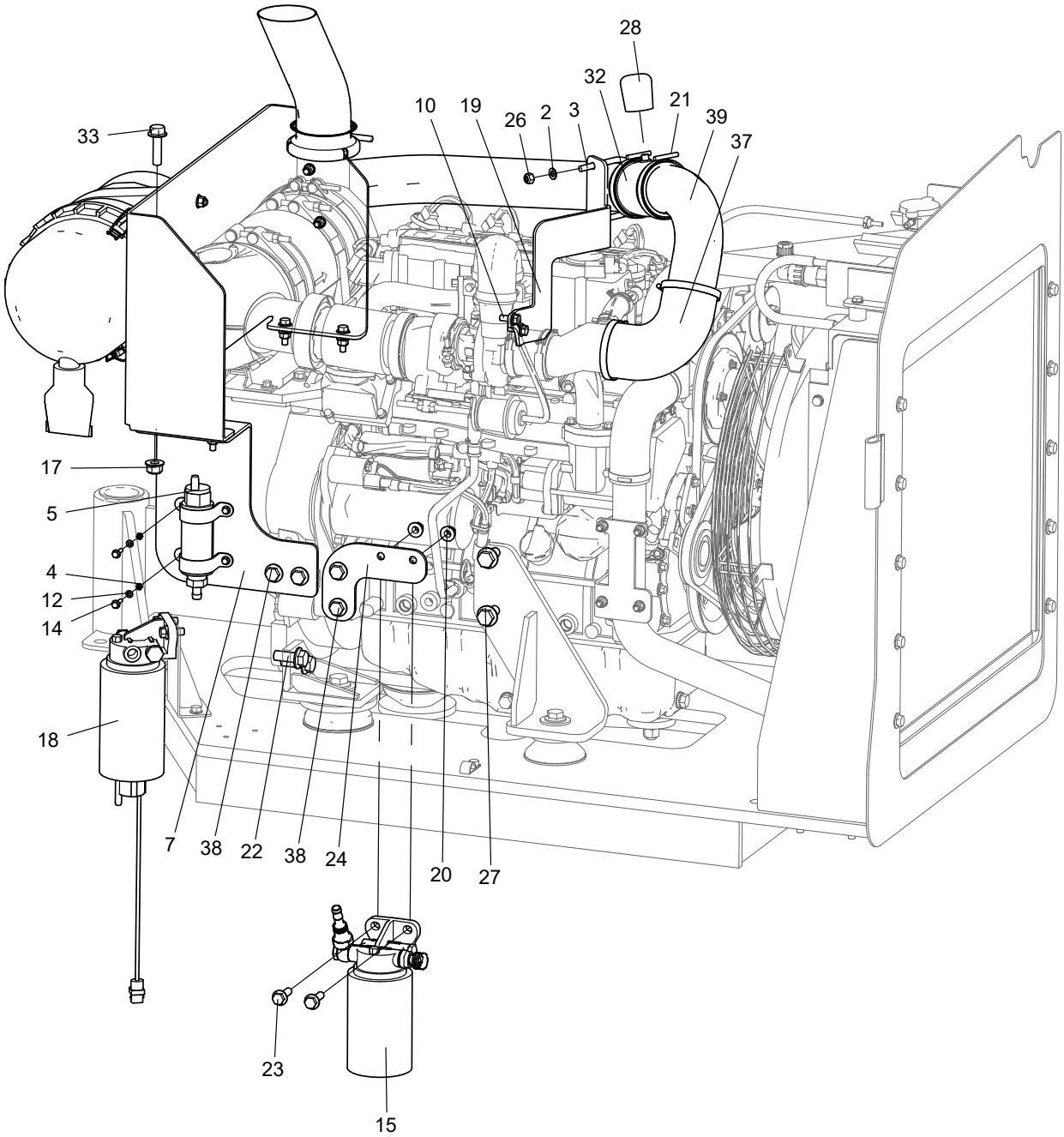
5.1 ENGINE (DEUTZ)

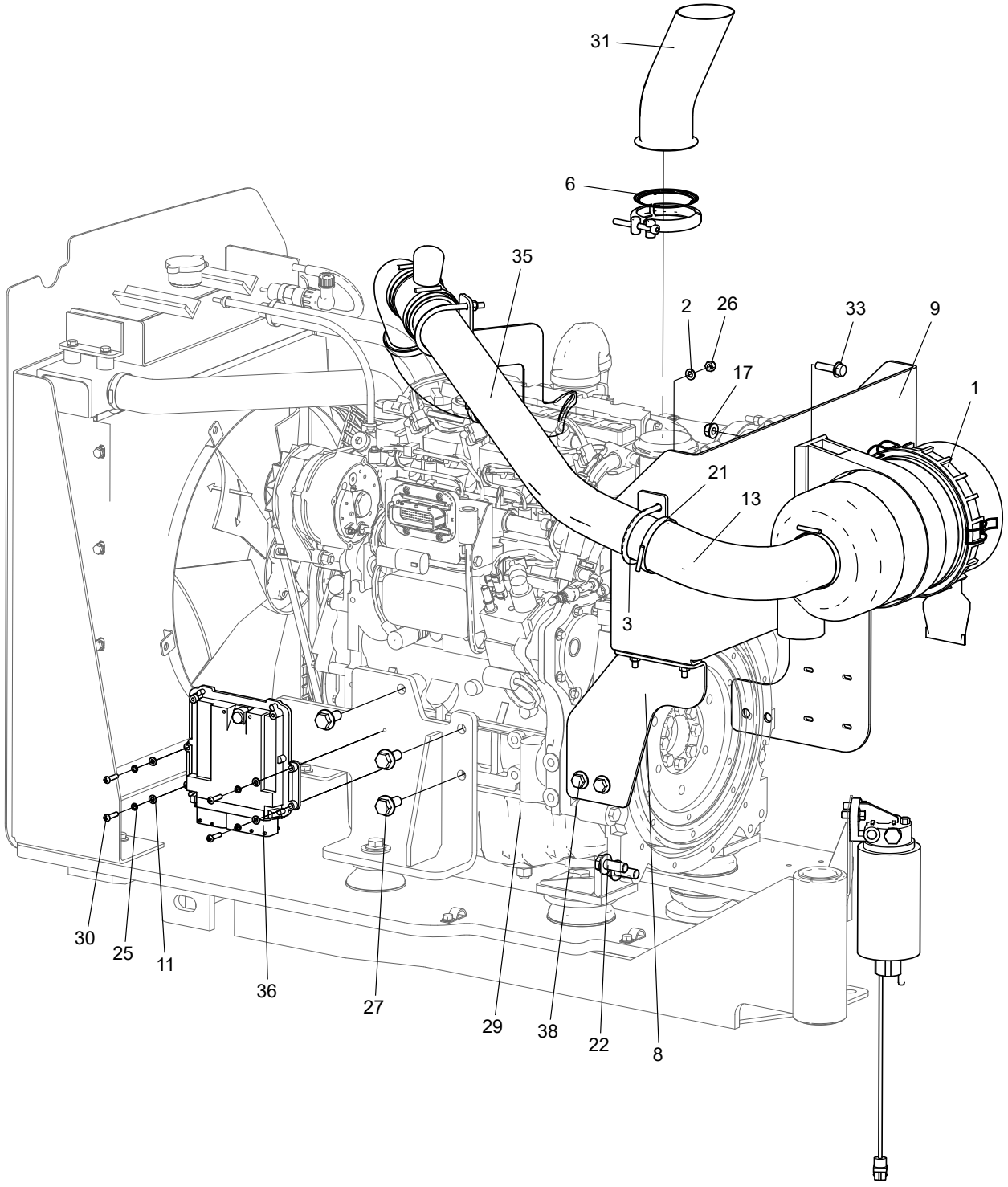
5.1.1 ENGINE SUPPORT INSTALLATION (DEUTZ)



No.	Part No.	Qty.	Description
1	105017020174	1	Carrier, engine
2	203080000275	5	Line clip, pvc dipping
3	214030000021	2	Bearing 50×55×50 SF-1F
4	215030000010	2	Nut M16-8-ZnD GB/T 6170
5	215040000126	2	Washer14-200HV-ZnD GB/T 96.1
6	105001020217	1	Shim
7	215030000096	2	Nut M14-8-ZnD GB/T 6172.1
8	215030000019	2	Nut M16-8-ZnD GB/T 6172.1
9	215010000275	2	Bolt M16×160-10.9-DKL GB/T 5789
10	105017020177	1	Seat
11	105024020001	4	Washer
12	215040000020	2	Washer 16-200HV-ZnD GB/T 96.1
13	105001020185	1	Wear pad
14	216040000006	4	Cushion
15	105024020004	4	Washer
16	105017020156	1	Seat
17	105017020163	1	Seat
18	105017020145	1	Seat
19	215030000068	2	Nut M14-8 GB/T 6170
20	216040000007	4	Cushion
21	215010000271	2	Bolt M14×140-10.9-DKL GB/T 5789
22	105003020051	1	Diesel filter support
23	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789

5.1.2 ENGINE INSTALLATION (DEUTZ)

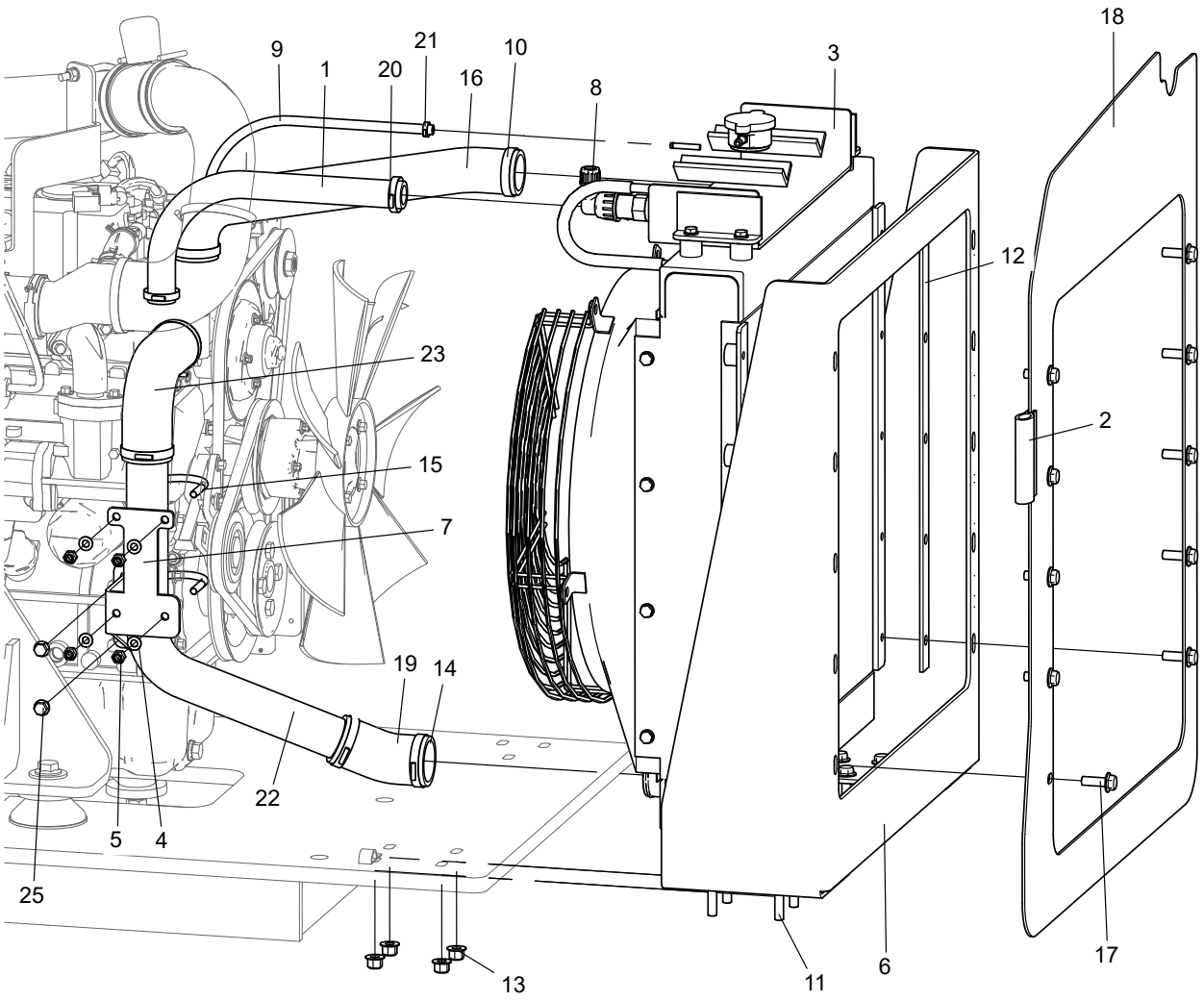



31
6
35
2
26
33
9
17
1
21
13
3
30
25
11
36
27
29
38
22
8

No.	Part No.	Qty.	Description
1	201020000006	1	Air filter
2	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
3	105017020211	2	U-clasp
4	215030000091	4	Nut M5-A2-70 GB/T 889.1
5	201050000015	1	Suction pump (come with engine)
6	201990000017	1	Clamp
7	105017020206	1	Mounting plate
8	105017020205	1	Mounting plate
9	105017020208	1	Bracket
10	215010000264	2	Bolt M8×20-10.9-DKL GB/T 5789
11	215040000033	4	Washer 6-A2 GB/T 97.1
12	215040000032	4	Washer 5-A2 GB/T 97.1
13	105017020207	1	Hose
14	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
15	201050000007	1	Diesel filter, fine
16	305140000001		Threadlocker, Locktite(Not shown)
17	215030000108	6	Nut M8-8-ZnD GB/T 6183
18	201050000006	1	Diesel filter, coarse
19	105017020214	1	Bracket
20	215030000109	2	Nut M10-8-ZnD GB/T 6183
21	216020000015	6	Clamp, T-bolt
22	215010000273	4	Bolt M14×35-10.9-DKL GB/T 5789
23	215010000268	2	Bolt M10×35-10.9-DKL GB/T 5789
24	105017020153	1	Plate
25	215040000004	4	Washer 6-A2-70 GB/T 93
26	215030000026	4	Nut M8-8-ZnD GB/T889.1
27	215010000272	5	Bolt M14×30-10.9-DKL GB/T 5789
28	201020000008	1	Sensor, air inlet
29	201010000003	1	Deutz engine TD2.9L4
30	215020000118	4	Screw M6×25-A2-70 GB/T 818
31	105017020170	1	Exhaust pipe
32	201020000007	1	Hose
33	215010000236	6	Bolt M8×30-8.8-ZnD GB/T 5789
35	105017020202	1	Tube
36	203020000018	1	Controller, engine
37	105017020201	1	Elbow
38	215010000262	6	Bolt M12×25-10.9 DKL GB/T 5789
39	105017020212	1	Tube

No.	Part No.	Qty.	Description
34	305110000001		Engine oil, CH-4(Not shown)

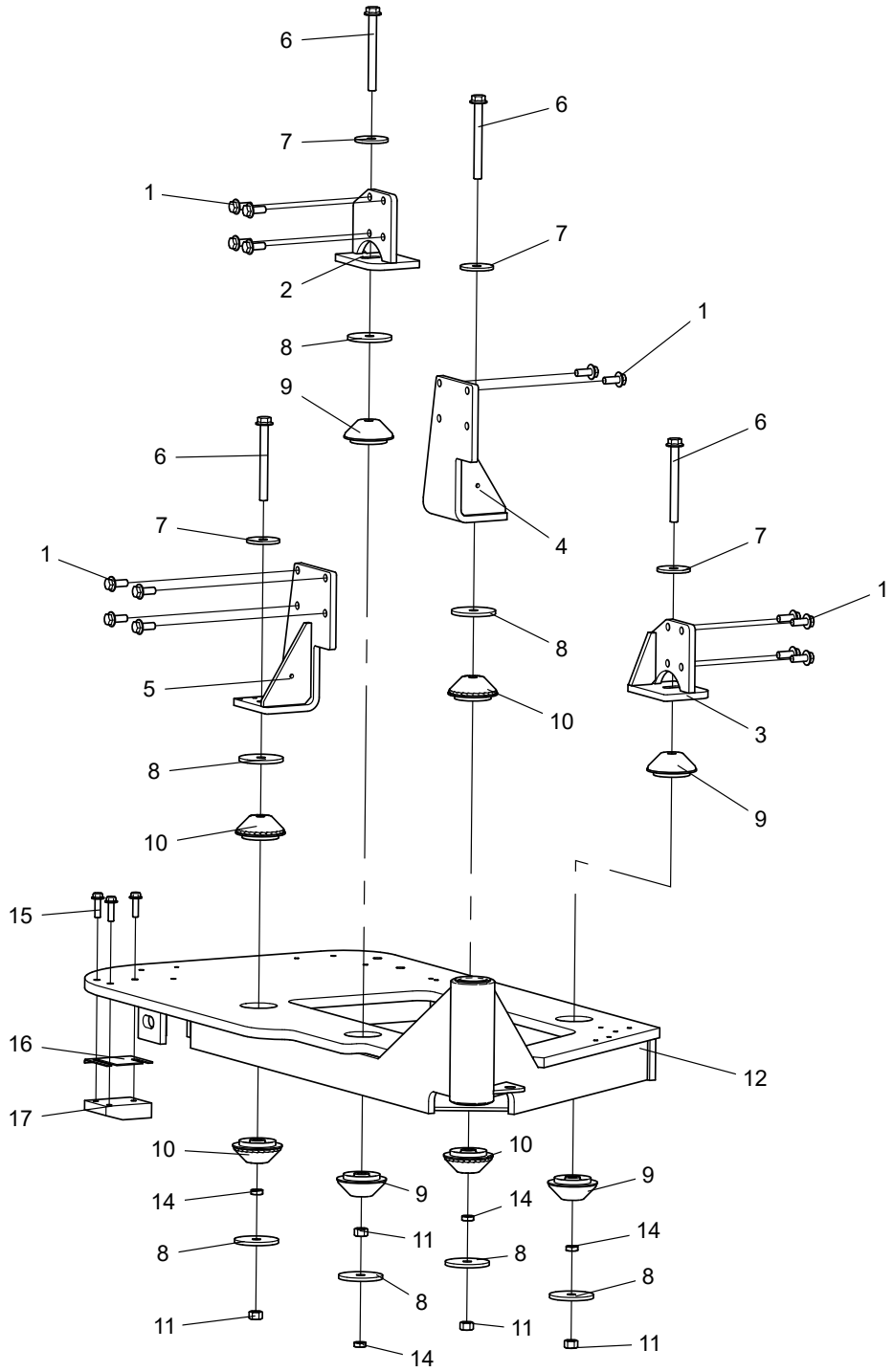
5.1.3 RADIATOR INSTALLATION (DEUTZ)



No.	Part No.	Qty.	Description
1	105017020144	1	Pipe, water inlet
2	207070000003	1	Seal, heat-insulation
3	201040000015	1	Radiator
4	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
5	215030000026	4	Nut M8-8-ZnD GB/T889.1
6	105017020213	1	Bracket, radiator
7	105017020149	1	Bracket
8	203150000022	1	Sensor, coolant level
9	105017020180	1	Water hose Φ11×2.5×380
10	216020000002	2	Clamp,non-perforated, DIN
11	215010000246	7	Bolt M10x45-8.8 ZnD GB/T 5789
12	105017020169	2	Rubber plate
13	215030000109	4	Nut M10-8-ZnD GB/T 6183
14	216020000007	4	Clamp,non-perforated, DIN
15	105017020173	2	Tie rod
16	105017020160	1	Elbow, water inlet
17	215010000239	10	Bolt M10×30-8.8-ZnD GB/T 5789
18	105029020058	1	Plate
19	105017020151	1	Pipe, water outlet
20	216020000014	2	Clamp,non-perforated, DIN
21	216020000004	2	Clamp,non-perforated, DIN
22	105017020178	1	Elbow, water outlet
23	105017020171	1	Elbow
24	308130000001		Coolant, Fleetcool(Not shown)
25	215010000263	2	Bolt M8×16-10.9-DKL GB/T 5789

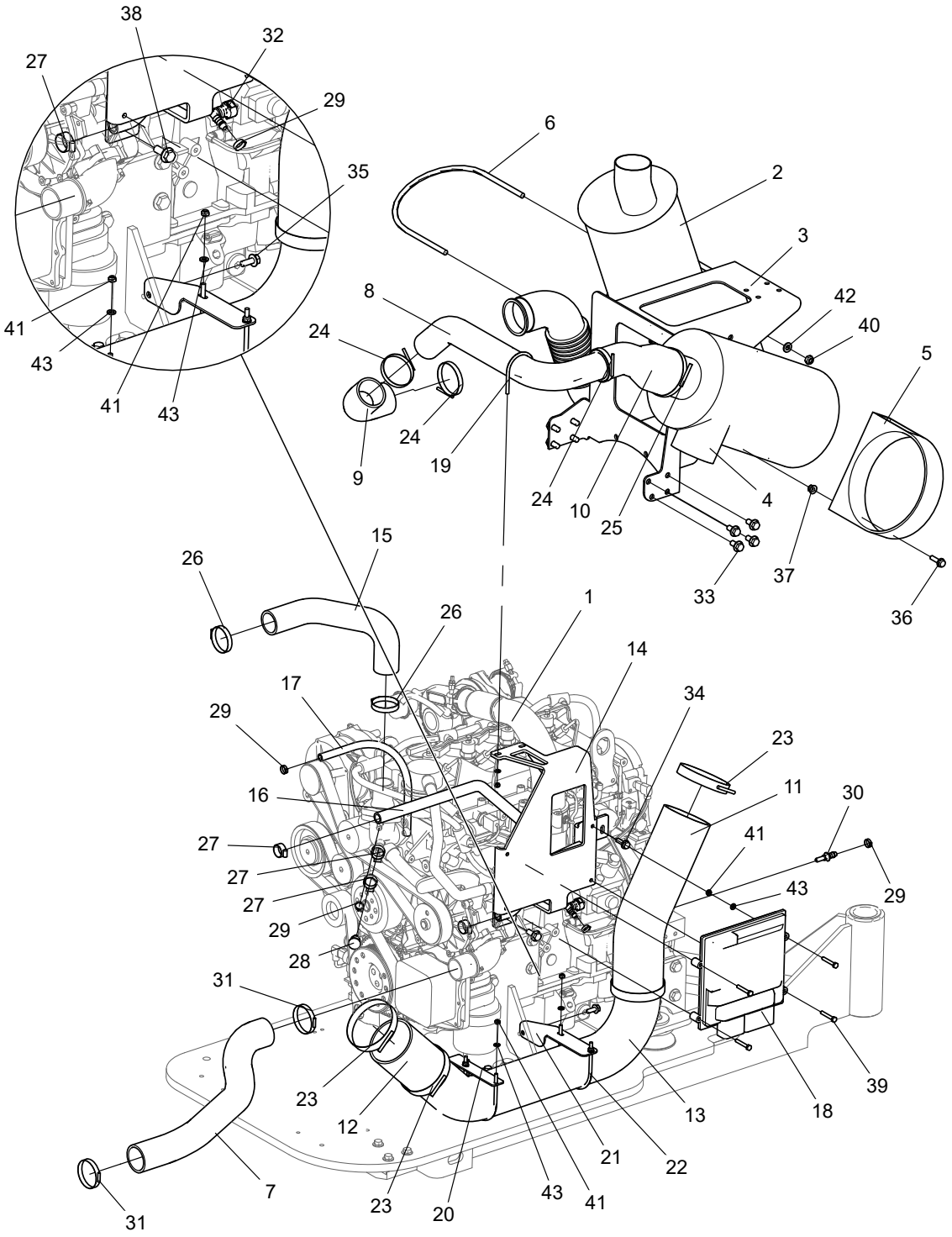
5.2 ENGINE (CUMMIS)

5.2.1 ENGINE SUPPORT INSTALLATION (CUMMIS)



No.	Part No.	Qty.	Description
1	215010000261	14	Bolt M12×30-10.9 DKL GB/T 5789
2	105001020194	1	Mounting seat
3	105001020192	1	Mounting seat
4	105003020090	1	Mount
5	105003020081	1	Mount
6	215010000271	4	Bolt M14×140-10.9-DKL GB/T 5789
7	104015020054	4	Shim
8	105003020092	8	Shim, big
9	216040000005	4	Cushion
10	216040000004	4	Cushion
11	215030000068	4	Nut M14-8 GB/T 6170
12	105003020070	1	Mount, engine
13	214030000021	2	Bearing 50×55×50 SF-1F
14	215030000096	4	Nut M14-8-ZnD GB/T 6172.1
15	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
16	105001020217	1	Shim
17	105001020185	1	Wear pad

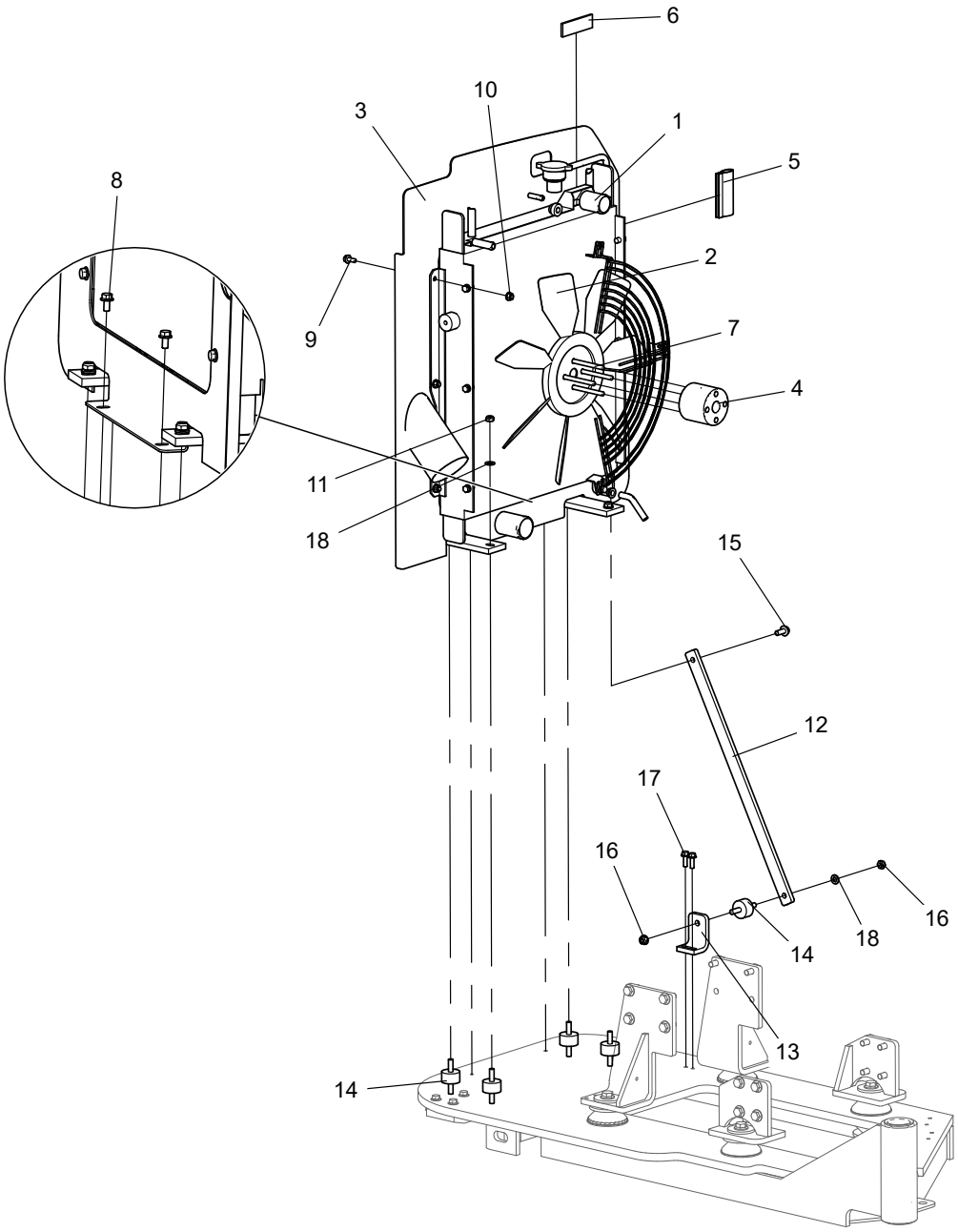
5.2.2 ENGINE INSTALLATION (CUMMIS)



No.	Part No.	Qty.	Description
1	201010000007	1	Diesel engine, Cummis QSF2.8t3TC72
2	105003020065	1	Muffler
3	105003020087	1	Bracket, supply/exhaust
4	201020000014	1	Air filter
5	201020000002	1	Bracket, air filter
6	105003020055	2	U-clamp
7	105003020076	1	Hose, water supply
8	105003020072	1	Steel tube, air supply
9	105003020088	1	Hose, air supply
10	105003020079	1	Reducing hose, air supply
11	105003020084	1	Hose, air supply
12	105003020058	1	Hose, air supply
13	105003020074	1	Steel tube, air supply
14	104008020058	1	Bracket, controller
15	105003020089	1	Hose, water discharge
16	213050000585	1	Water hose
17	213050000087	1	Water hose
18	203020000030	1	Controller (come with Cummis QSF2.8)
19	104008020055	1	U-clamp
20	105003020053	1	Plate, bending
21	105003020066	1	Retaining plate, supply hose
22	105003020060	2	U-clamp
23	216020000028	4	Clamp, T-bolt
24	216020000018	3	Clamp, T-bolt
25	216020000047	1	Clamp, T-bolt
26	216020000002	2	Clamp,non-perforated, DIN
27	216020000036	4	Clamp, non-perforated, DIN
28	105003020094	1	Plug
29	216020000004	4	Clamp,non-perforated, DIN
30	213010000231	1	Plug, male
31	216020000007	2	Clamp,non-perforated, DIN
32	213010000210	1	Quick connector
33	215010000266	8	Bolt M10×20-10.9-DKL GB/T 5789
34	215010000265	2	Bolt M8×25-10.9-DKL GB/T 5789
35	215010000264	3	Bolt M8×20-10.9-DKL GB/T 5789
36	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789

No.	Part No.	Qty.	Description
37	215030000108	2	Nut M8-8-ZnD GB/T 6183
38	215010000267	2	Bolt M10×25-10.9-DKL GB/T 5789
39	215010000054	4	Bolt M6×40-A2-70 GB/T 5783
40	215030000027	4	Nut M10-8-ZnD GB/T 889.1
41	215030000025	10	Nut M6-8-A2-70 GB/T 889.1
42	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
43	215040000033	10	Washer 6-A2 GB/T 97.1

5.2.3 RADIATOR INSTALLATION (CUMMIS)

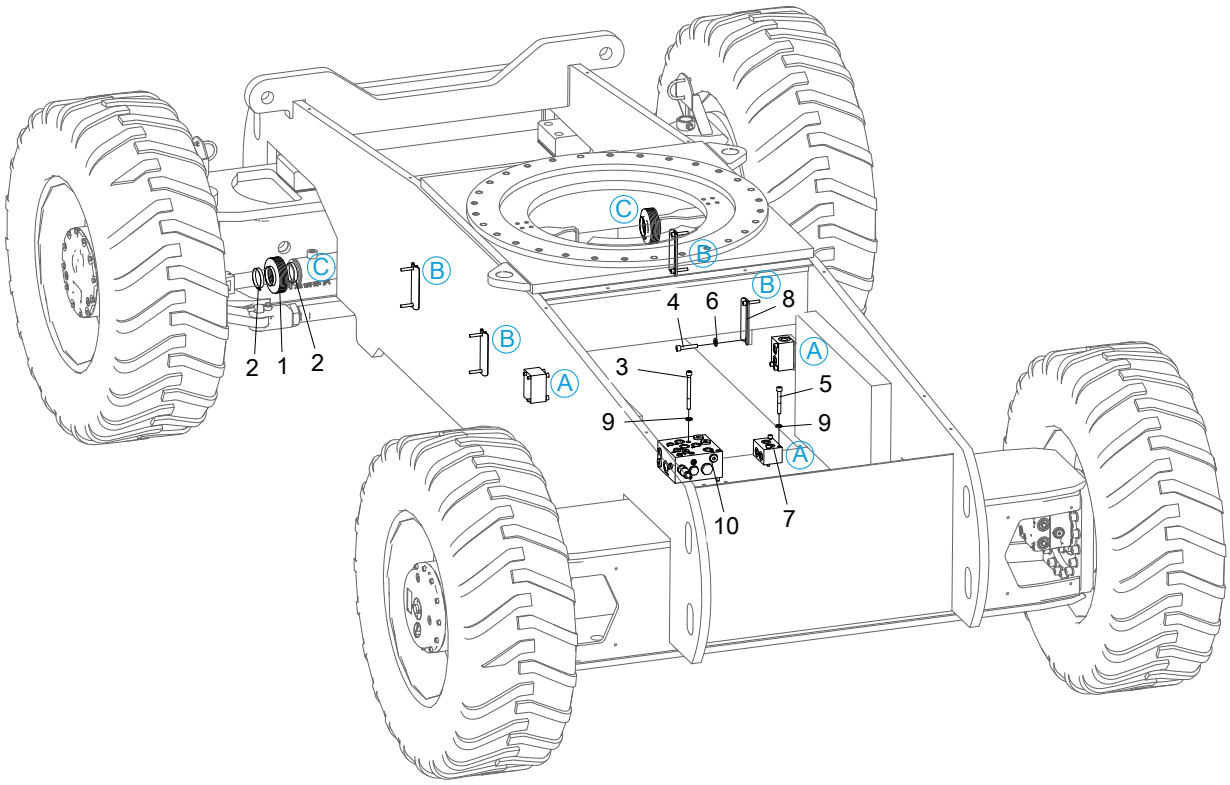


 © Sep 2020

No.	Part No.	Qty.	Description
1	201040000012	1	Radiator assembly
2	201040000011	1	Fan
3	105029020060	1	Windshield
4	105003020091	1	Spacer, fan
5	207070000003	1	Seal, heat-insulation
6	207070000004	1	Seal, self-adhesive
7	215010000213	4	Bolt M10×90-10.9-DKL GB/T 16674
8	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
9	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
10	215030000108	6	Nut M8-8-ZnD GB/T 6183
11	215030000027	4	Nut M10-8-ZnD GB/T 889.1
12	105003020056	1	Plate
13	105001020184	1	Plate
14	216030000002	5	Cushion, water tank
15	215010000238	1	Bolt M10×25-8.8-ZnD GB/T 5789
16	215030000027	2	Nut M10-8-ZnD GB/T 889.1
17	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
18	215040000035	6	Washer 10-200HV-ZnD GB/T 97.1

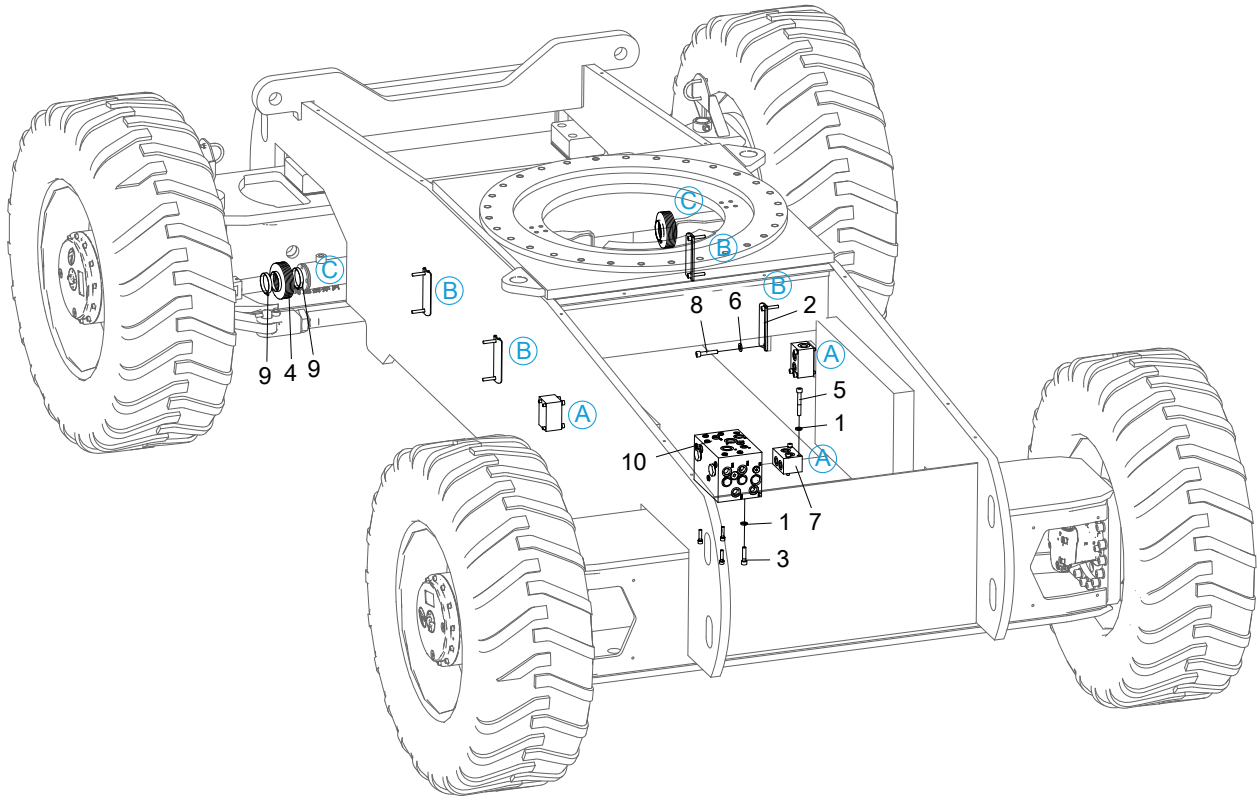
6 HYDRAULIC SYSTEM

6.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION (2WD)



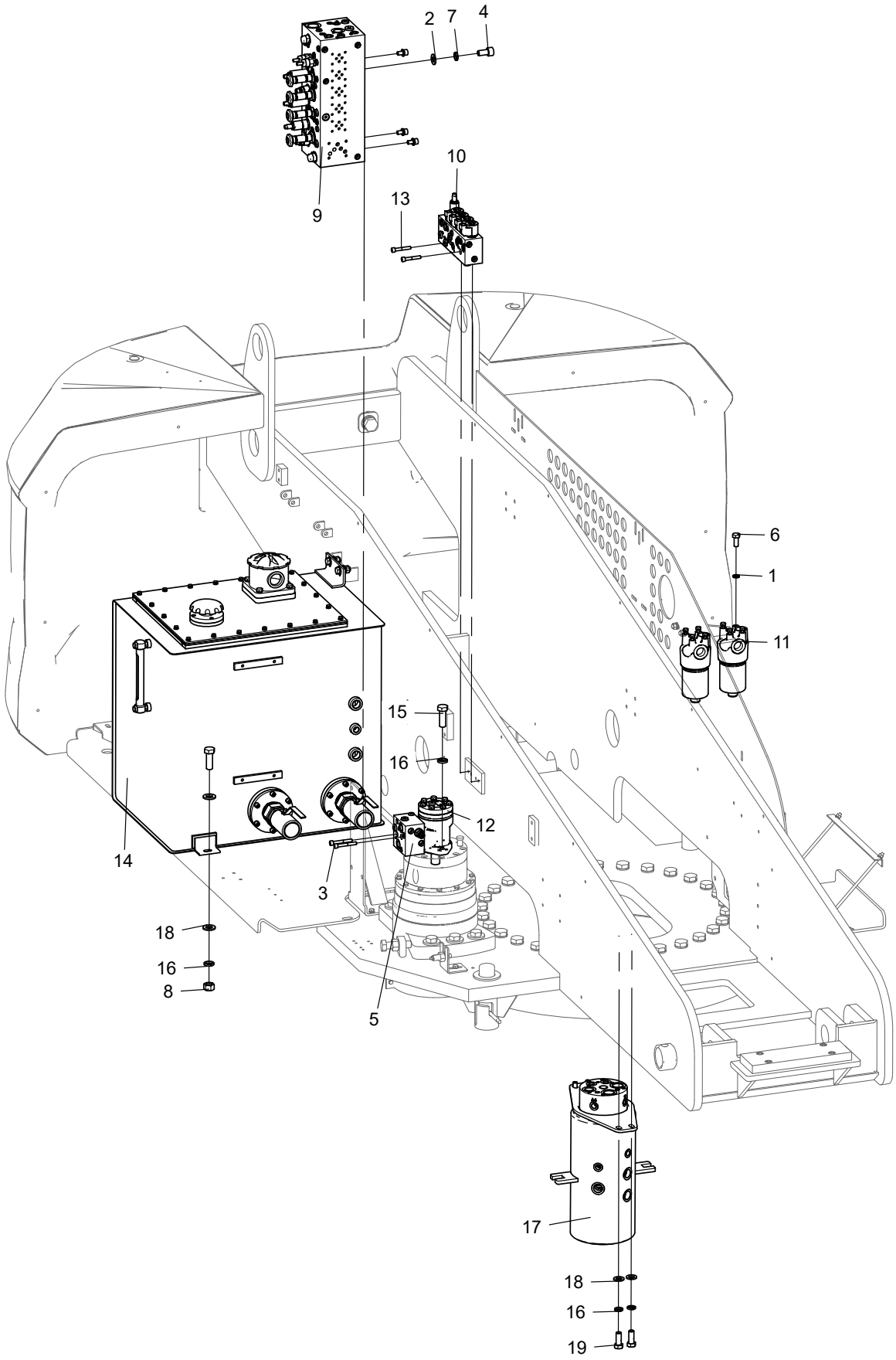
No.	Part No.	Qty.	Description
1	104008050012	2	Rod jacket, level cylinder
2	216020000007	4	Clamp,non-perforated, DIN
3	215020000246	2	Screw M8×90-8.8-ZnD GB/T70.1
4	215020000030	8	Screw M8×45-8.8-ZnD GB/T 70.1
5	215020000038	9	Screw M8×60-8.8-ZnD GB/T 70.1
6	215040000034	8	Washer 8-200HV-ZnD GB/T 97.1
7	105001050037	3	Multi-coupling
8	103003050039	4	Bracket
9	215040000005	11	Washer 8-ZnD GB/T 93
10	202040000160	1	Drive control valve options (2WD)

6.2 CHASSIS HYDRAULIC COMPONENTS INSTALLATION (4WD)



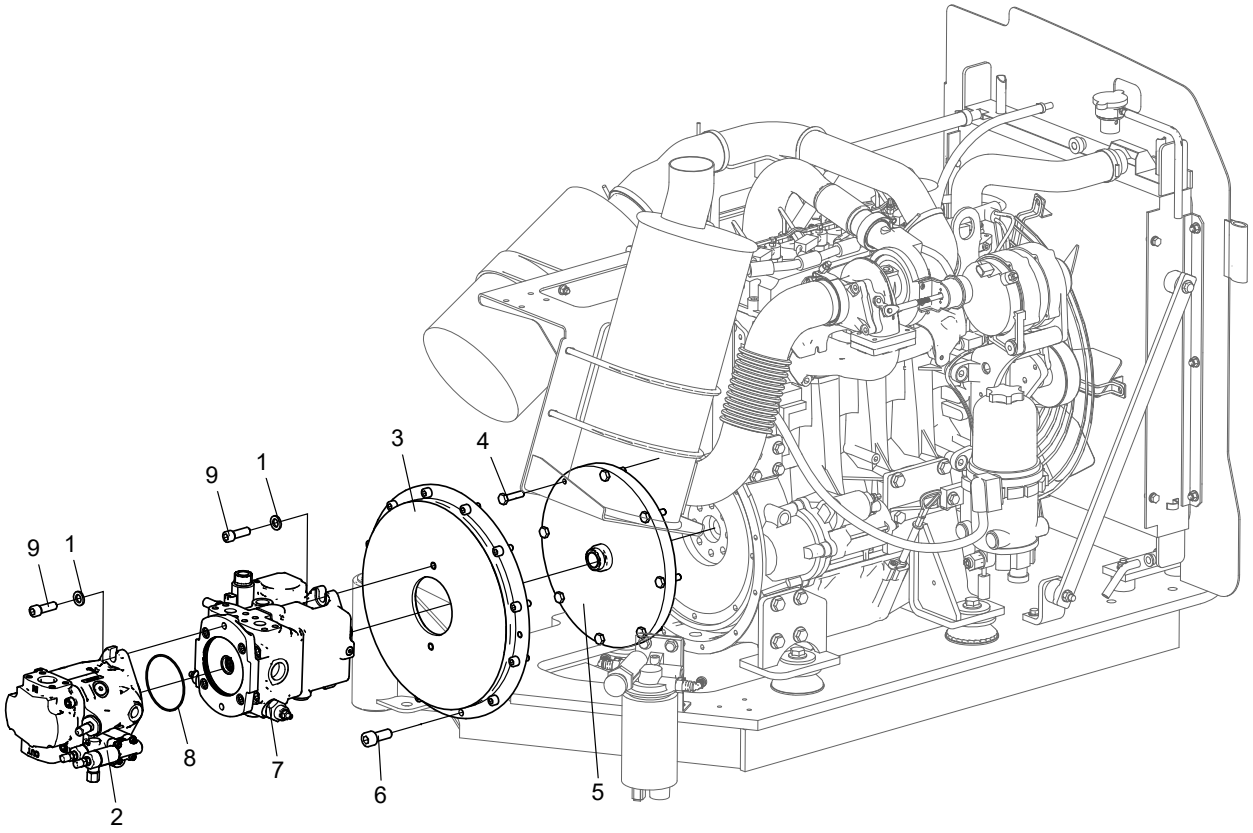
No.	Part No.	Qty.	Description
1	215040000005	13	Washer 8-ZnD GB/T 93
2	103003050039	4	Bracket
3	215020000026	4	Screw M8×35-8.8-ZnD GB/T 70.1
4	104008050012	2	Rod jacket, level cylinder
5	215020000038	9	Screw M8×60-8.8-ZnD GB/T 70.1
6	215040000034	8	Washer 8-200HV-ZnD GB/T 97.1
7	105001050037	3	Multi-coupling
8	215020000030	8	Screw M8×45-8.8-ZnD GB/T 70.1
9	216020000007	4	Clamp,non-perforated, DIN
10	202040000153	1	Drive control valve

6.3 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



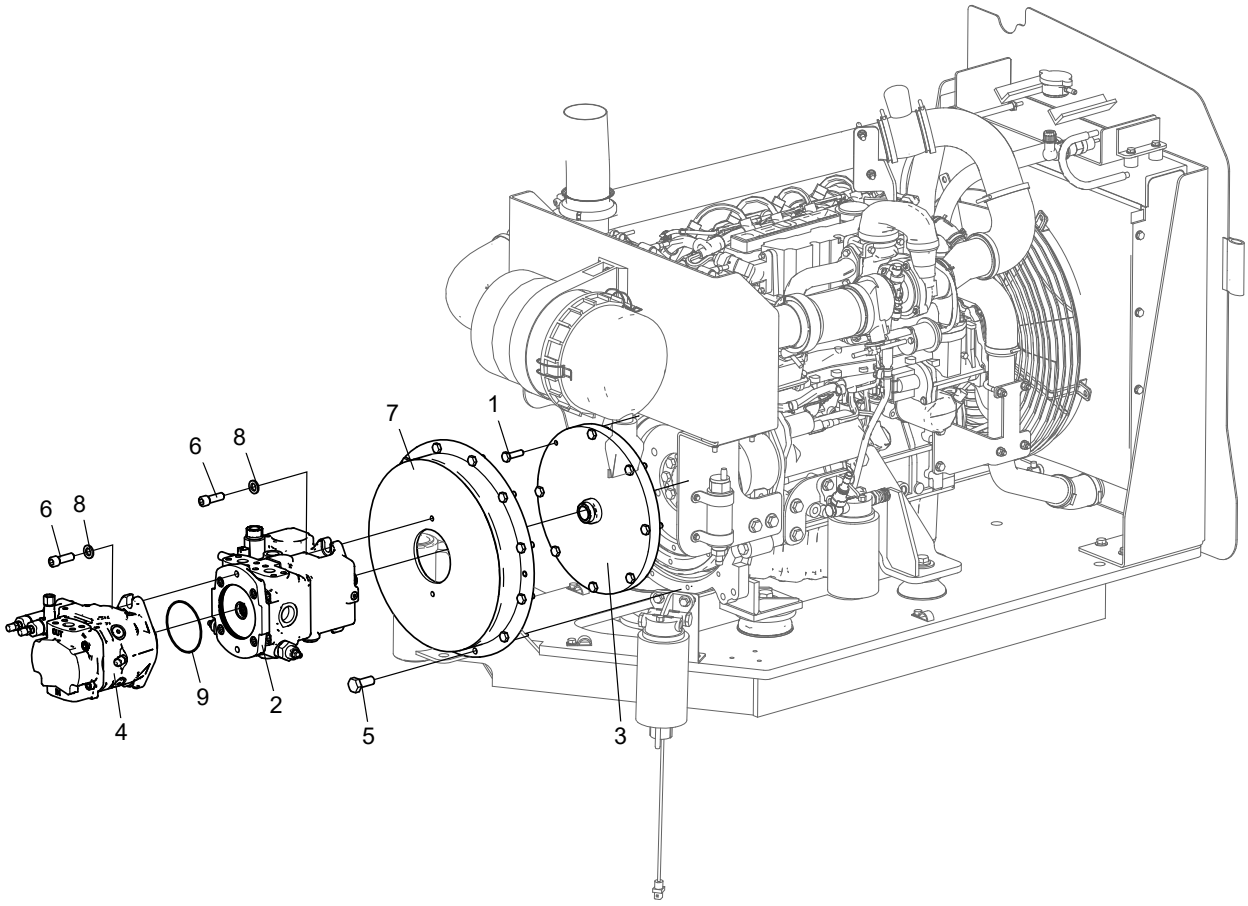
No.	Part No.	Qty.	Description
1	215040000005	8	Washer 8-ZnD GB/T 93
2	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
3	215020000038	4	Screw M8×60-8.8-ZnD GB/T 70.1
4	215020000048	4	Screw M10×20-8.8-ZnD GB/T 70.1
5	202040003061	1	Valve, rotary cushion
6	215010000057	8	Bolt M8×20-8.8-ZnD GB/T 5783
7	215040000006	4	Washer 10-ZnD GB/T 93
8	215030000008	4	Nut M12-8-ZnD GB/T 6170
9	202040003176	1	Boom function manifold
10	202040003183	1	Oscillate control valve, brake/2-speed
11	202080000046	2	High press filter
12	202020000005	1	Cycloid motor
13	215020000032	2	Screw M8×50-8.8-ZnD GB/T 70.1
14	105001020020	1	Hydraulic tank
15	215010000092	6	Nut M12×35-8.8-ZnD GB/T 5783
17	105029050045	1	Hydraulic rotary coupler
19	215010000090	4	Bolt M12×30-8.8-ZnD GB/T 5783
16	215040000007	10	Washer 12-ZnD GB/T 93
18	215040000037	12	Washer 12-200HV-ZnD GB/T 97.1

6.4 PUMP DRIVE UNIT (CUMMIS)



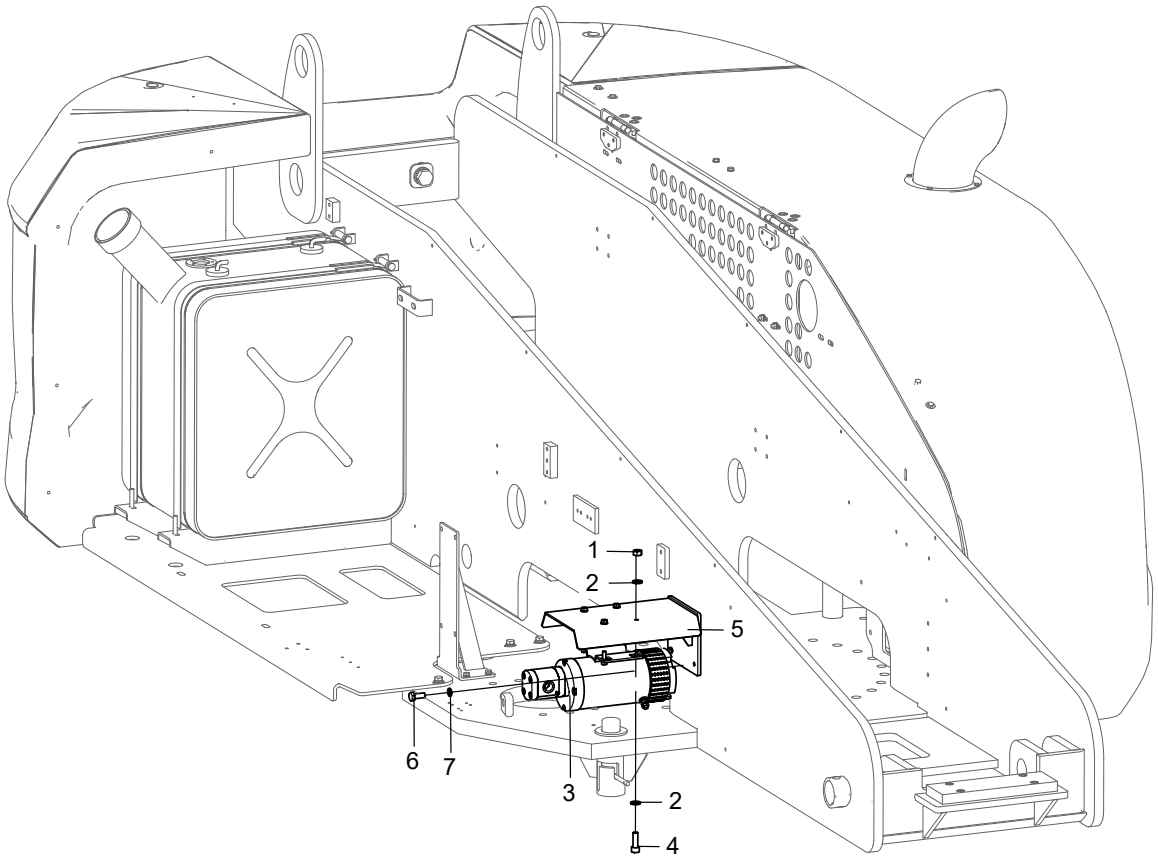
No.	Part No.	Qty.	Description
1	215040000051	4	Washer 12 GB/T 1230
2	105001050064		Pump options, open-circuit, variable displacement
2-1	202010000044	1	Pump, open-circuit, variable displacement
2-2	202010000055	1	Pump, open-circuit, variable displacement
2-3	202010000002	1	Pump, open-circuit, variable displacement
2-4	202010000029	1	Pump, open-circuit, variable displacement
3	105001050018	1	Flange
4	215010000075	8	Bolt M10×40-8.8-ZnD GB/T 5783
5	204040000002	1	Shaft coupling
6	215020000049	12	Screw M10×25-8.8-ZnD GB/T 70.1
7	105001050065		Pump options, closed-circuit, variable displacement
7-1	202010000045	1	Pump, closed-circuit, variable displacement
7-2	202010000005	1	Pump, closed-circuit, variable displacement
7-3	202010000054	1	Pump, closed-circuit, variable displacement
7-4	202010000006	1	Pump, closed-circuit, variable displacement
8	207040000060	1	O-ring
9	215080000005	4	Bolt 1/2"-13UNC-1.5inches GR5

6.5 PUMP DRIVE UNIT (DEUTZ)



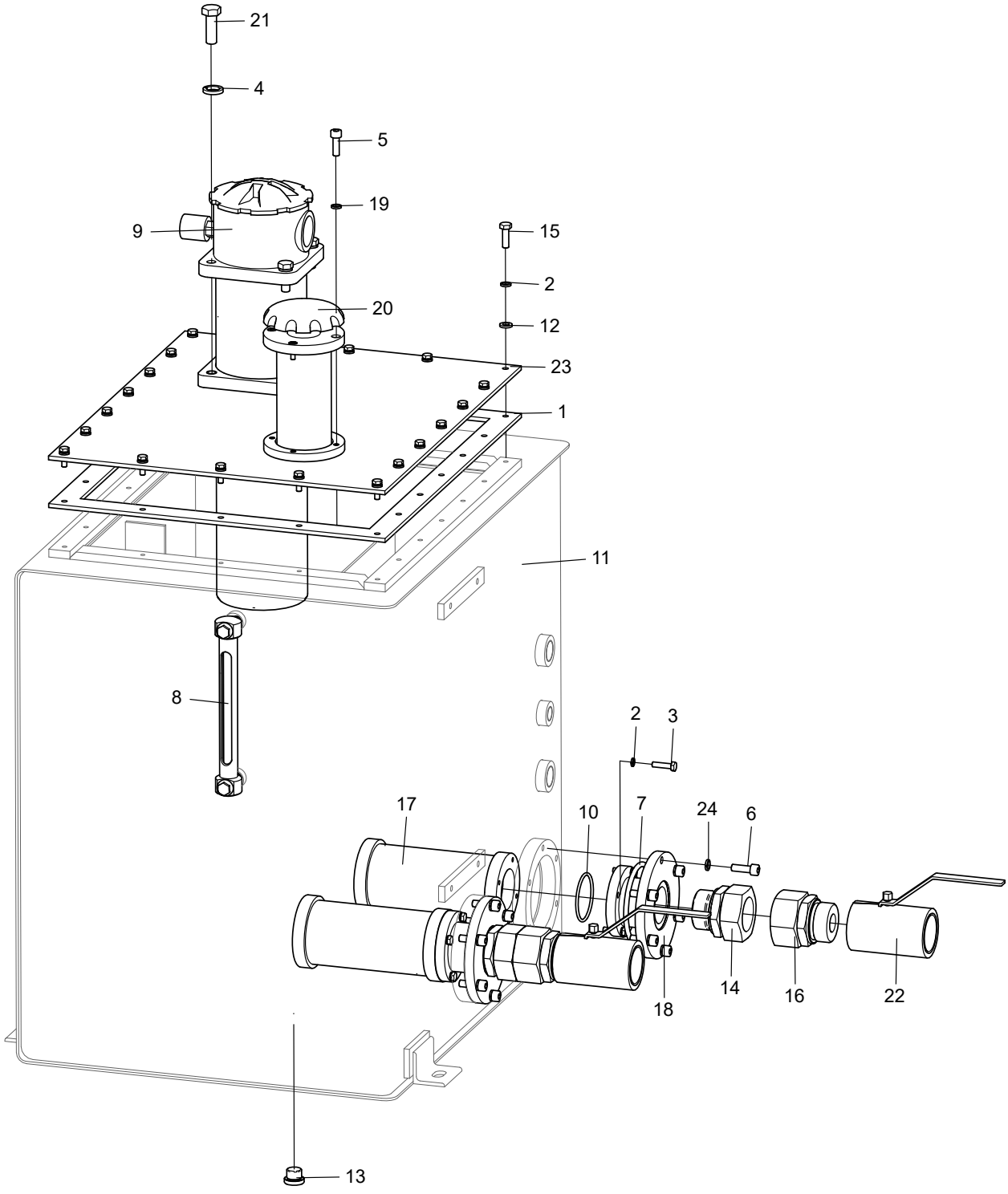
No.	Part No.	Qty.	Description
1	215010000073	8	Bolt M10×35-8.8-ZnD GB/T 5783
2	105001050065		Pump options, closed-circuit, variable displacement
2-1	202010000054	1	Pump, closed-circuit, variable displacement
2-2	202010000045	1	Pump, closed-circuit, variable displacement
2-3	202010000005	1	Pump, closed-circuit, variable displacement
2-4	202010000006	1	Pump, closed-circuit, variable displacement
3	204040000002	1	Shaft coupling
4	105001050064		Pump options, open-circuit, variable displacement
4-1	202010000044	1	Pump, open-circuit, variable displacement
4-2	202010000029	1	Pump, open-circuit, variable displacement
4-3	202010000002	1	Pump, open-circuit, variable displacement
4-4	202010000055	1	Pump, open-circuit, variable displacement
5	215010000069	12	Nut M10×25-8.8-ZnD GB/T 5783
6	215080000005	4	Bolt 1/2"-13UNC-1.5inches GR5
7	105017050003	1	Flange
8	215040000051	4	Washer 12 GB/T 1230
9	207040000060	1	O-ring

6.6 POWER UNIT INSTALLATION



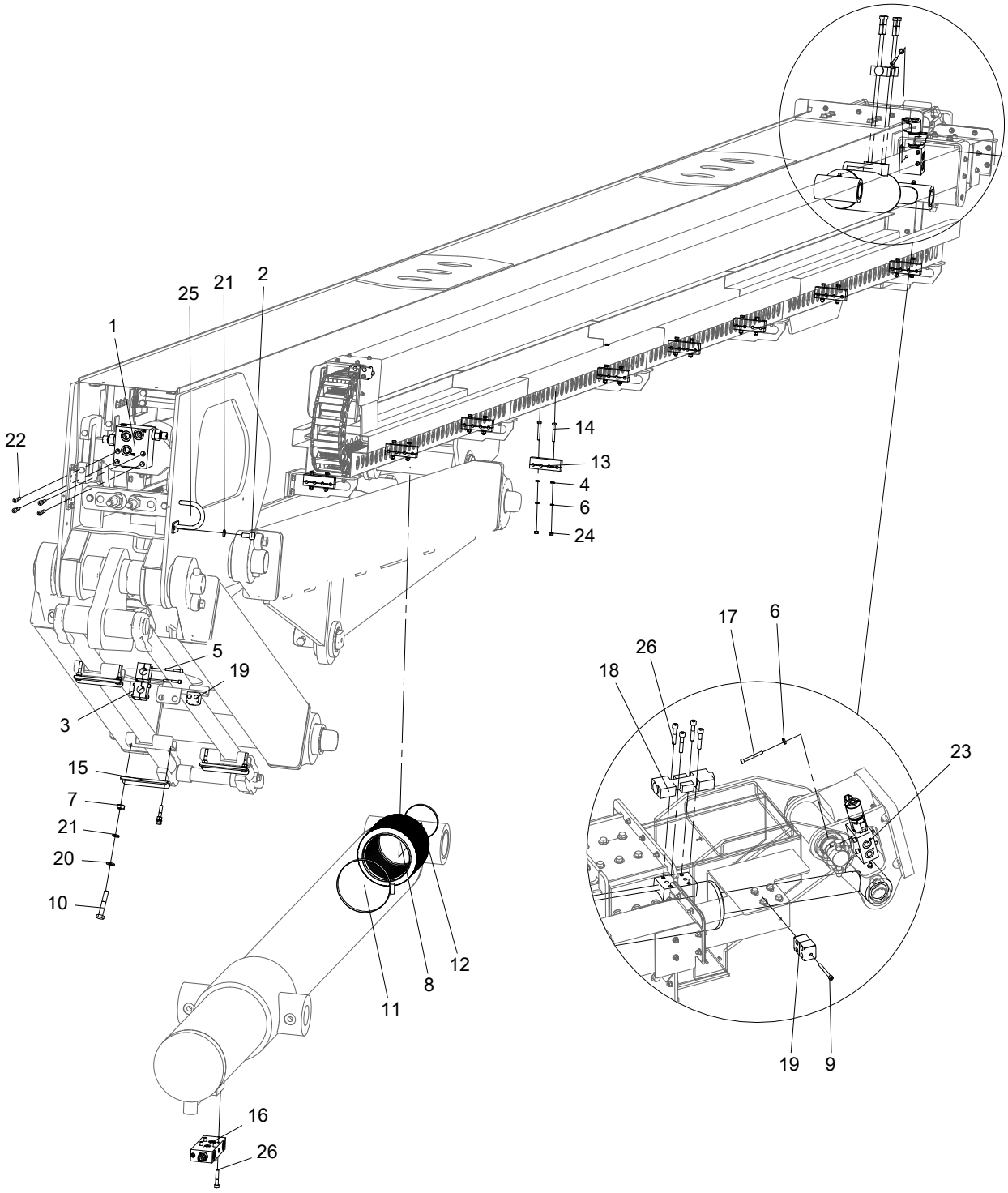
No.	Part No.	Qty.	Description
1	215030000005	4	Nut M8-8-ZnD GB/T 6170
2	215040000034	8	Washer 8-200HV-ZnD GB/T 97.1
3	202010000041	1	Power unit, 12V
4	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
5	105001020254	1	Bracket
6	215010000057	4	Bolt M8×20-8.8-ZnD GB/T 5783
7	215040000005	4	Washer 8-ZnD GB/T 93

6.7 HYDRAULIC TANK ASSEMBLY



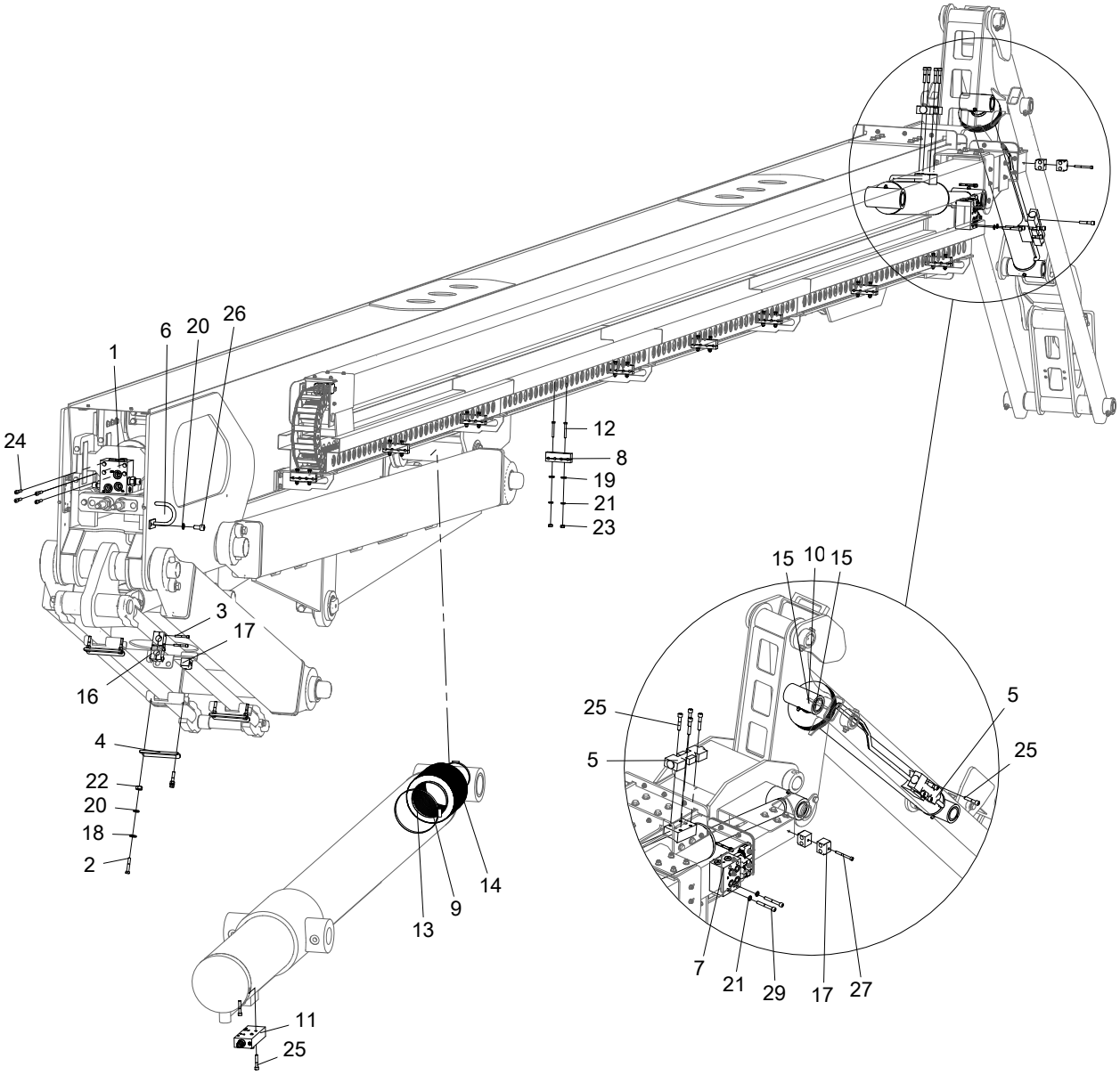
No.	Part No.	Qty.	Description
1	105001020021	1	Gasket, rubber
2	215040000004	28	Washer 6-A2-70 GB/T 93
3	215010000052	8	Bolt M6×25-A2-70 GB/T 5783
4	215040000006	4	Washer 10-ZnD GB/T 93
5	215020000007	4	Screw M5×16-A2-70 GB/T 70.1
6	215020000024	12	Screw M8×25-8.8-ZnD GB/T 70.1
7	207040000023	2	O-ring 100×5.7 GB 1235
8	202120000004	1	Liquid level indicator
9	202080000005	1	Return filter
10	207040000024	1	O-ring 60×3.1 GB 1235
11	105001020034	1	Housing
12	215040000033	20	Washer 6-A2 GB/T 97.1
13	213060000006	1	Plug
14	213010000059	2	Fitting
15	215010000051	20	Bolt M6×20-A2-70 GB/T 5783
16	213010000058	2	Fitting
17	202080000004	2	Suction filter
18	105001020024	2	Flange
19	215040000003	4	Washer 5-A2-70 GB/T 93
20	202070000001	1	Air filter
21	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
22	202040000017	2	Valve
23	105001020031	1	Cover plate
24	215040000005	12	Washer 8-ZnD GB/T 93

6.8 BOOM HYDRAULIC COMPONENTS INSTALLATION-GTBZ26



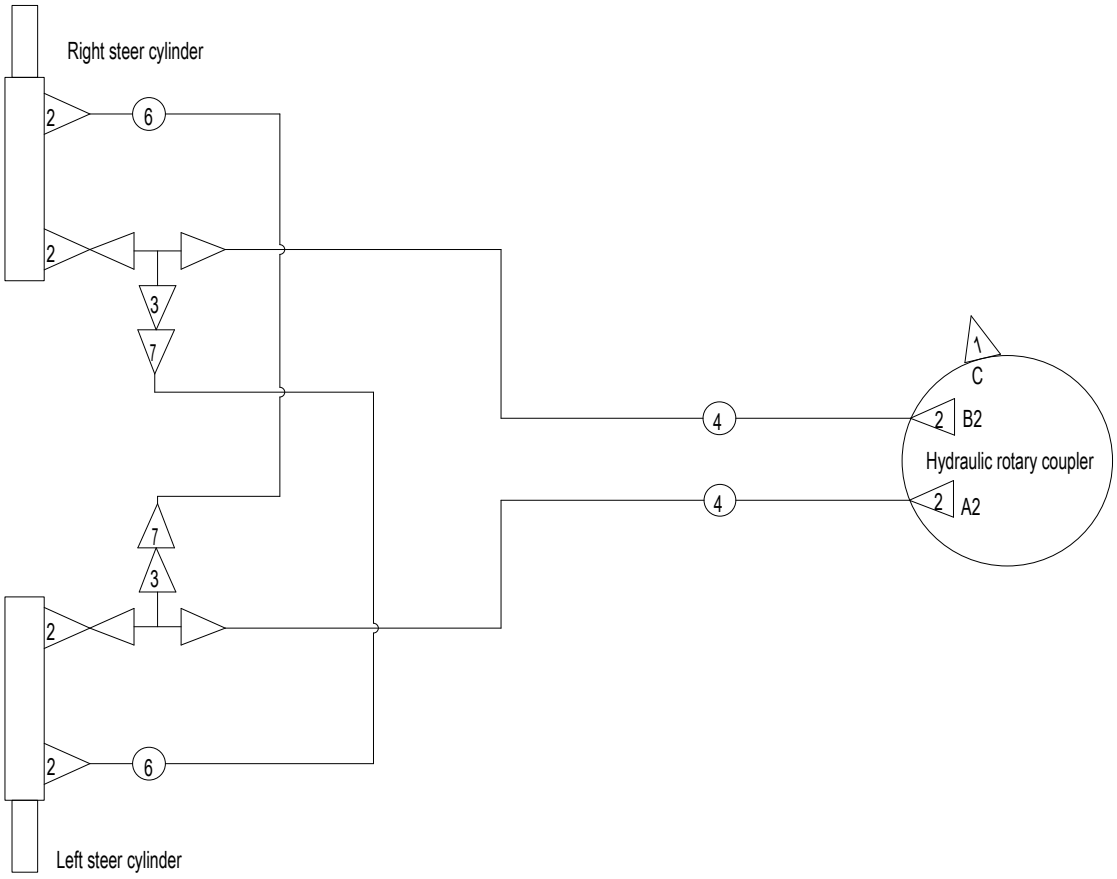
No.	Part No.	Qty.	Description
1	105032053027		Telescope counterbalance valve options
1-1	202040000439	1	Counterbalance valve, telescoping
1-2	202040003068	1	Counterbalance valve, telescoping
2	215020000022	1	Screw M8×16-8.8-ZnD GB/T 70.1
3	216010000017	2	Clamp
4	215040000033	18	Washer 6-A2 GB/T 97.1
5	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
6	215040000004	21	Washer 6-A2-70 GB/T 93
7	215030000005	6	Nut M8-8-ZnD GB/T 6170
8	105017050006	1	Rod jacket, lift cylinder
9	215020000020	2	Screw M6×60-A2-70 GB/T 70.1
10	215010000163	6	Bolt M8×50-8.8-ZnD GB/T 5782
11	216020003003	1	Clamp
12	216020000026	1	Clamp
13	105001050015	9	Clamp, self-build
14	215010000055	18	Bolt M6×50-A2-70 GB/T 5783
15	103003050039	3	Bracket
16	202040000377	1	Counterbalance valve, lifting
17	215020000018	3	Screw M6×50-A2-70 GB/T 70.1
18	202040000011	1	Counterbalance valve, leveling
19	216010000015	5	Clamp, duplex
20	215040000034	6	Washer 8-200HV-ZnD GB/T 97.1
21	215040000005	7	Washer 8-ZnD GB/T 93
22	215020000033	4	Screw M8×50-10.9-DKL GB/T 70.1
23	202040000159	1	Plaform vlalve, simplex
24	215030000004	18	Nut M6-A2-70 GB/T 6170
25	104008050010	1	Hook, tube
26	215020000031	8	Screw M8×45-10.9-DKL GB/T 70.1

6.9 BOOM HYDRAULIC COMPONENTS INSTALLATIO-GTBZ28J



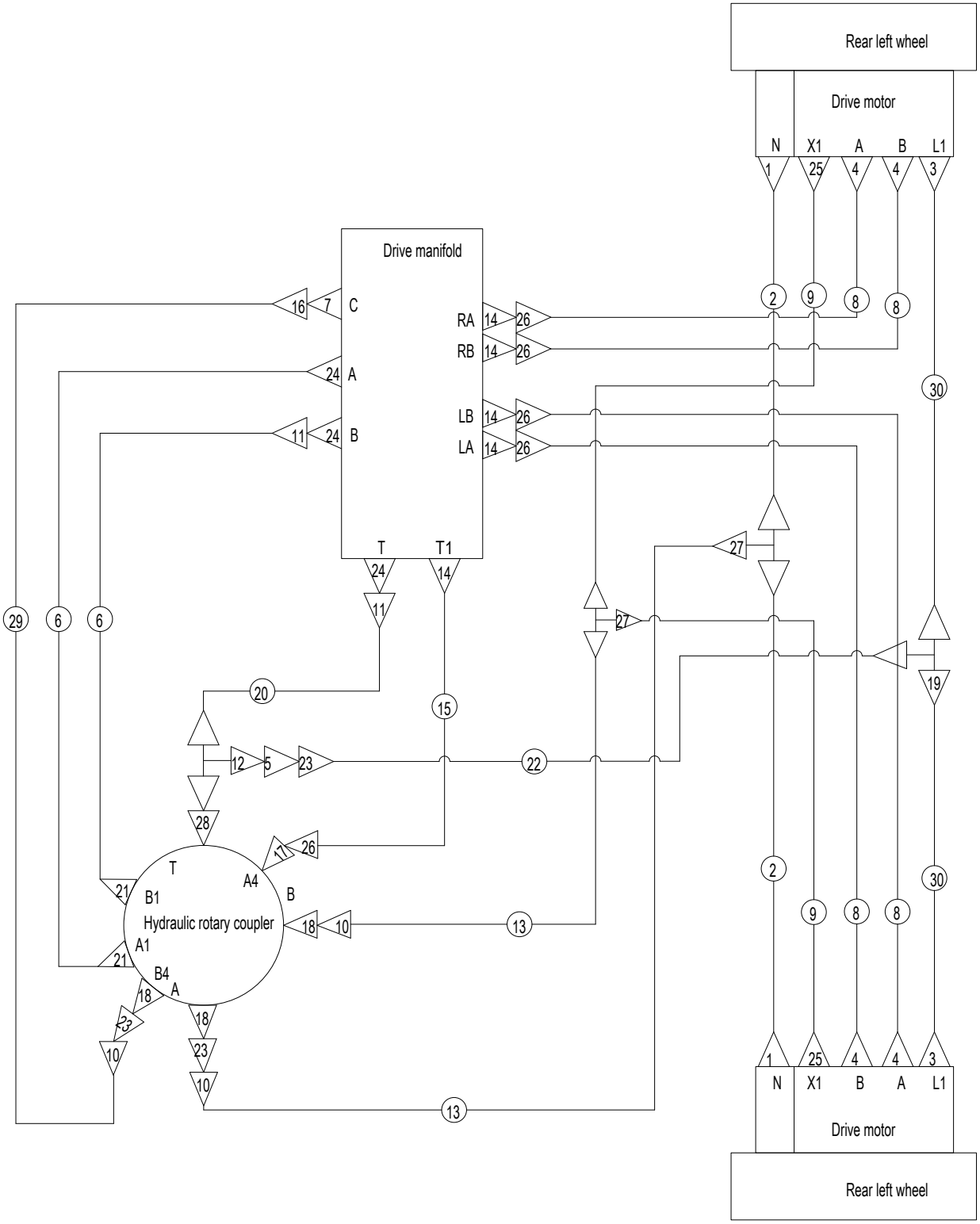
No.	Part No.	Qty.	Description
1	105032053027		Telescope counterbalance valve options
1-1	202040000439	1	Counterbalance valve, telescoping
1-2	202040003068	1	Counterbalance valve, telescoping
2	215010000163	6	Bolt M8×50-8.8-ZnD GB/T 5782
3	215020000017	4	Screw M6×45-A2-70 GB/T 70.1
4	103003050039	3	Bracket
5	202040000011	2	Counterbalance valve, leveling
6	104008050010	1	Hook, tube
7	202040000329	1	Platform manifold, duplex
8	105001050015	9	Clamp, self-build
9	105017050006	1	Rod jacket, lift cylinder
10	105018050002	1	Jacket, piston rod, secondary boom cylinder
11	202040000377	1	Counterbalance valve, lifting
12	215010000055	18	Bolt M6×50-A2-70 GB/T 5783
13	216020003003	1	Clamp
14	216020000026	1	Clamp
15	216020000002	2	Clamp,non-perforated, DIN
16	216010000017	2	Clamp
17	216010000015	5	Clamp, duplex
18	215040000034	6	Washer 8-200HV-ZnD GB/T 97.1
19	215040000033	18	Washer 6-A2 GB/T 97.1
20	215040000005	7	Washer 8-ZnD GB/T 93
21	215040000004	26	Washer 6-A2-70 GB/T 93
22	215030000005	6	Nut M8-8-ZnD GB/T 6170
23	215030000004	18	Nut M6-A2-70 GB/T 6170
24	215020000033	4	Screw M8×50-10.9-DKL GB/T 70.1
25	215020000031	12	Screw M8×45-10.9-DKL GB/T 70.1
26	215020000022	1	Screw M8×16-8.8-ZnD GB/T 70.1
27	215020000020	2	Screw M6×60-A2-70 GB/T 70.1
28	215020000019	4	Screw M6×55-A2-70 GB/T 70.1
29	215020000018	4	Screw M6×50-A2-70 GB/T 70.1

6.10 STEER SYSTEM TUBES LAYOUT



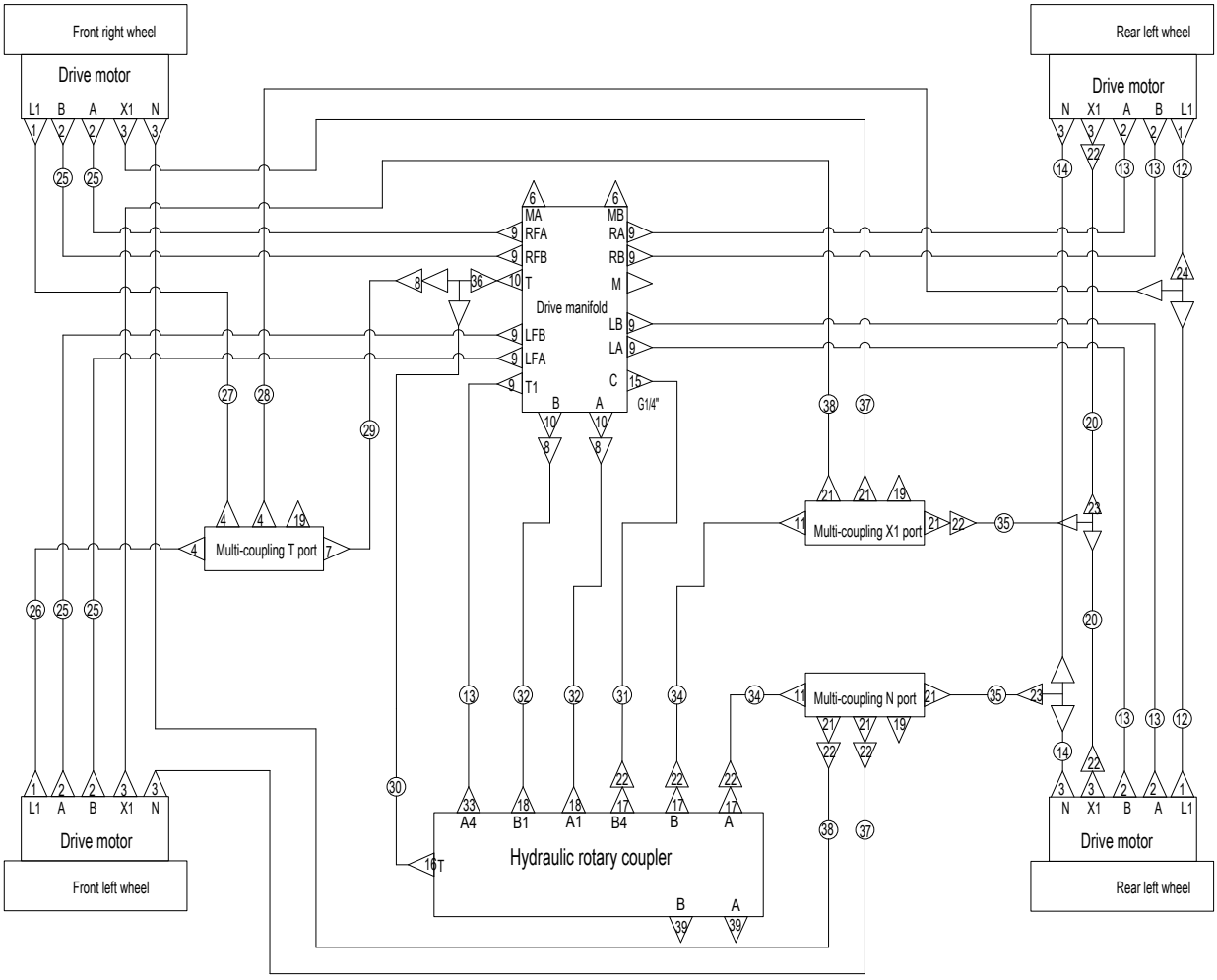
No.	Part No.	Qty.	Description
1	213060000002	1	Plug
2	213010000031	6	Fitting
3	213010000032	2	Fitting
4	213050000354	2	Hose
6	213050000044	2	Hose
7	213010000055	2	Fitting

6.11 DRIVE SYSTEM TUBES LAYOUT (2WD)



No.	Part No.	Qty.	Description
1	213010000013	2	Fitting
2	213050000033	2	Hose
3	213010000106	2	Fitting
4	213010000152	4	Fitting
5	213010000046	1	Fitting
6	213050000596	2	Hose
7	213010000007	1	Fitting
8	213050000035	4	Hose
9	213050000009	2	Hose
10	213010000025	3	Fitting
11	213010000041	2	Fitting
12	213010000043	1	Fitting
13	213050000050	2	Hose
14	213010000039	5	Fitting
15	213050000053	1	Hose
16	213010000024	1	Fitting
17	213010000038	1	Fitting
18	213010000031	3	Fitting
19	213010000091	1	Fitting
20	213050000013	1	Hose
21	213010000052	2	Fitting
22	213050000611	1	Hose
23	213010000055	3	Fitting
24	213010000045	3	Fitting
25	213010000144	2	Fitting
26	213010000008	5	Fitting
27	213010000035	2	Fitting
28	213010000037	1	Fitting
29	213050000263	1	Hose
30	213050000293	2	Hose

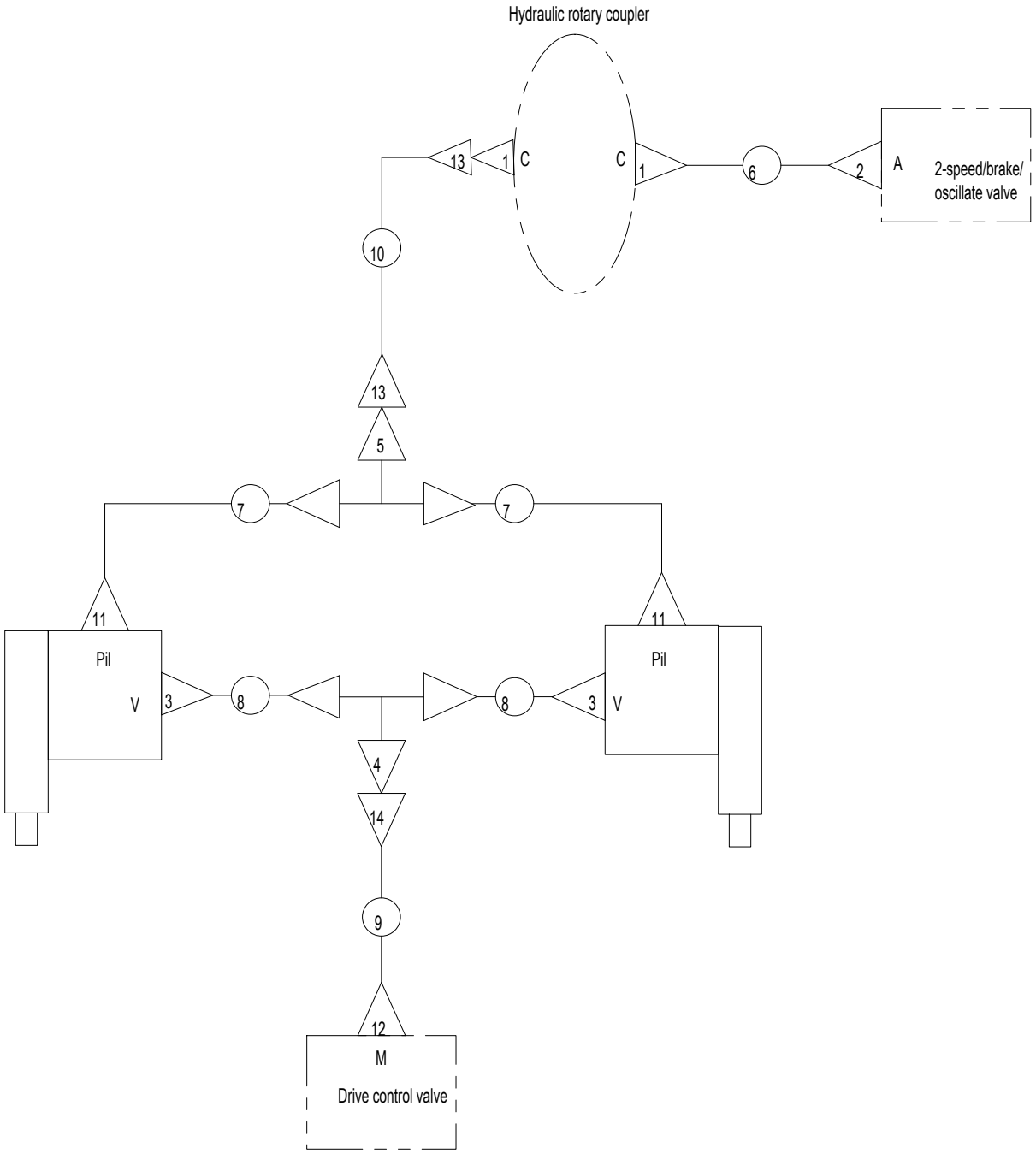
6.12 DRIVE SYSTEM TUBES LAYOUT (4WD)



No.	Part No.	Qty.	Description
1	213010000106	4	Fitting
2	213010000152	8	Fitting
3	213010000144	8	Fitting
4	213010000003	3	Fitting
5	213010000013	4	Fitting
6	213010000010	2	Fitting
7	213010000017	1	Fitting
8	213010000041	4	Fitting
9	213010000039	9	Fitting
10	213010000045	3	Fitting
11	213010000138	2	Fitting
12	213050000739	2	Hose
13	213050000068	5	Hose
14	213050001357	2	Hose
15	213010000007	1	Fitting
16	213010000037	1	Fitting
17	213010000202	3	Fitting
18	213010000052	2	Fitting
19	213060000001	3	Plug
20	213050003095	2	Hose
21	213010000047	6	Fitting
22	213010000024	8	Fitting
23	213010000035	2	Fitting
24	213010000119	1	Fitting
25	213050000526	4	Hose
26	213050000714	1	Hose
27	213050001421	1	Hose
28	213050000326	1	Hose
29	213050000431	1	Hose
30	213050000417	1	Hose
31	213050003096	1	Hose
32	213050000596	2	Hose
33	213010000065	1	Fitting
34	213050001410	2	Hose
35	213050000514	2	Hose
36	213010000043	1	Fitting
37	213050000632	2	Hose

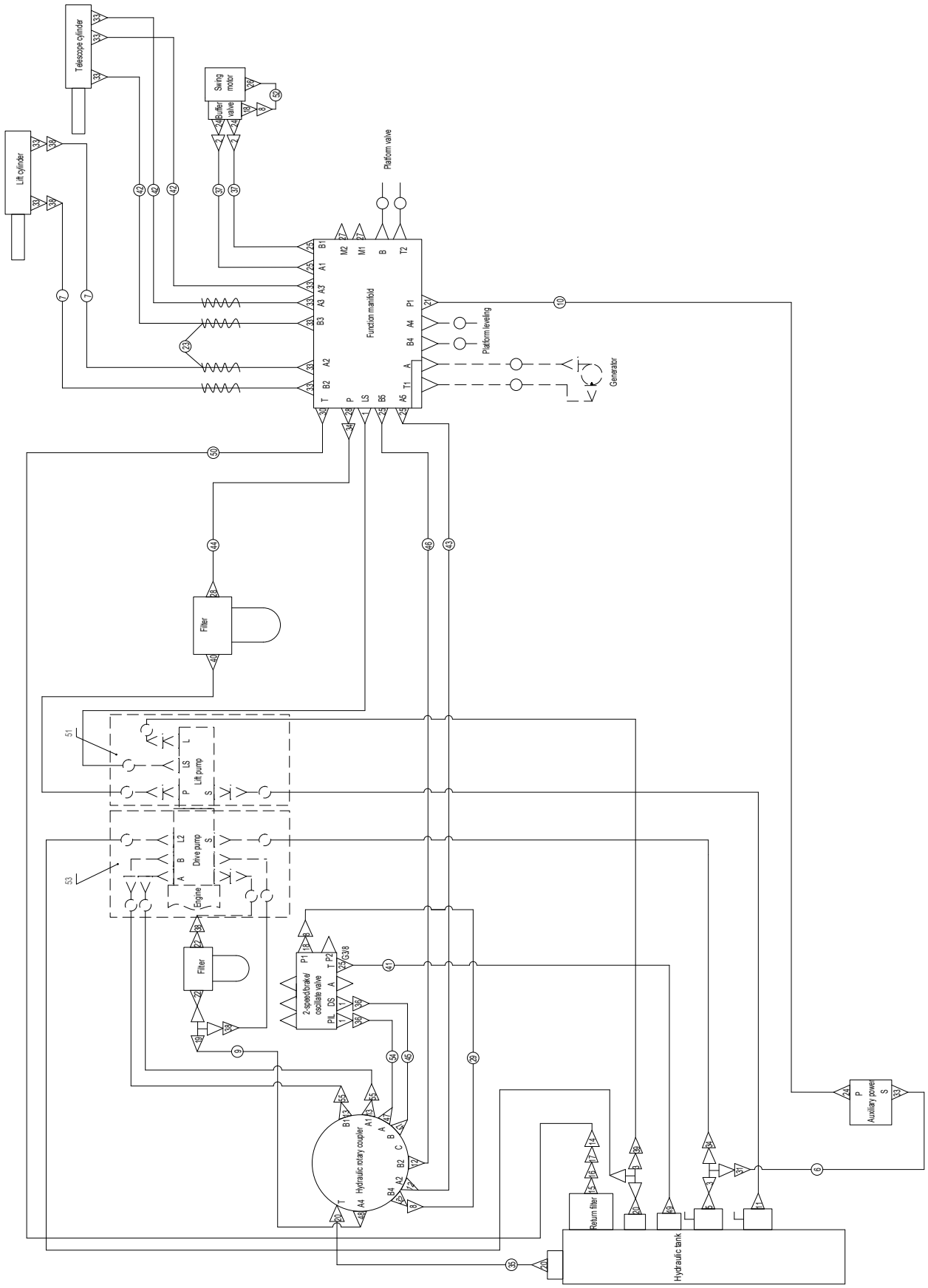
No.	Part No.	Qty.	Description
38	213050000430	2	Hose
39	213060000002	2	Plug

6.13 OSCILLATE SYSTEM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000202	2	Fitting
2	213010000007	1	Fitting
3	213010000136	2	Fitting
4	213010000040	1	Fitting
5	213010000035	1	Fitting
6	213050000393	1	Hose
7	213050003091	2	Hose
8	213050003092	2	Hose
9	213050003093	1	Hose
10	213050003094	1	Hose
11	213010000146	2	Fitting
12	213010000036	1	Fitting
13	213010000024	2	Fitting
14	213010000055	1	Fitting

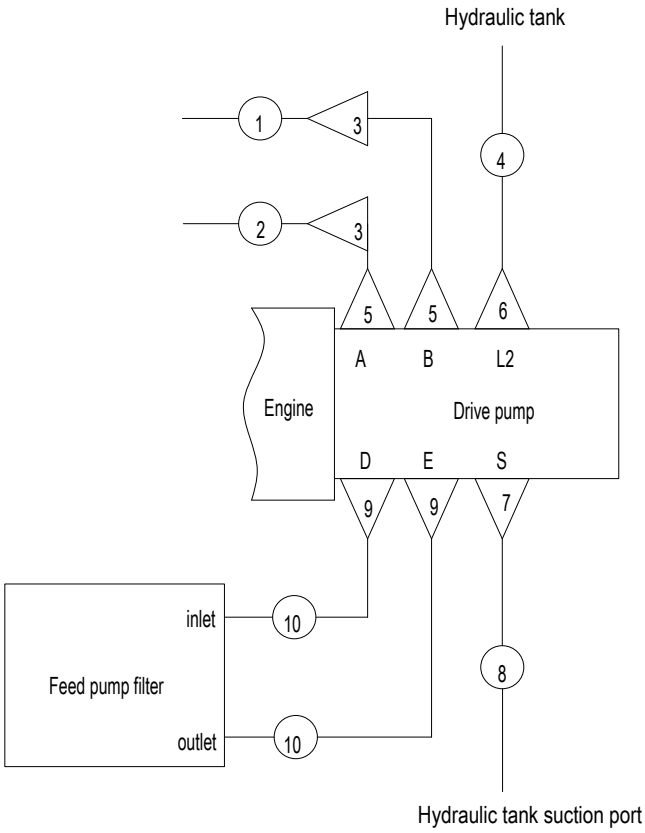
6.14 BOOM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000007	3	Fitting
2	213010000055	2	Fitting
3	213010000043	2	Fitting
5	105001050002	1	Adapter
6	213050000068	1	Hose
7	213050000602	2	Hose
8	213010000009	3	Fitting
9	213050000606	1	Hose
10	213050000416	1	Hose
11	105001050011	1	Adapter
12	213010000031	4	Fitting
13	213010000030	2	Fitting
14	104008050035	1	Flange
15	207040000017	1	O-ring 53×3.55 GB/T 3452.1
16	215040000006	4	Washer 10-ZnD GB/T 93
17	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783
18	213010000012	2	Fitting
19	213010000078	1	Fitting
20	213010000037	3	Fitting
21	213010000036	1	Fitting
22	213010000014	2	Fitting
23	216110000001	2	Hose jacket
24	213010000038	3	Fitting
25	213010000005	5	Fitting
26	213010000057	1	Fitting
27	213010000010	2	Fitting
28	213010000045	2	Fitting
29	213050000276	1	Hose
30	213010000148	1	Fitting
31	213010000098	1	Fitting
32	213010000049	1	Fitting
33	213010000039	11	Fitting
34	213010000041	1	Fitting
35	213050000696	1	Hose
36	213010000024	2	Fitting
37	213050000538	2	Hose

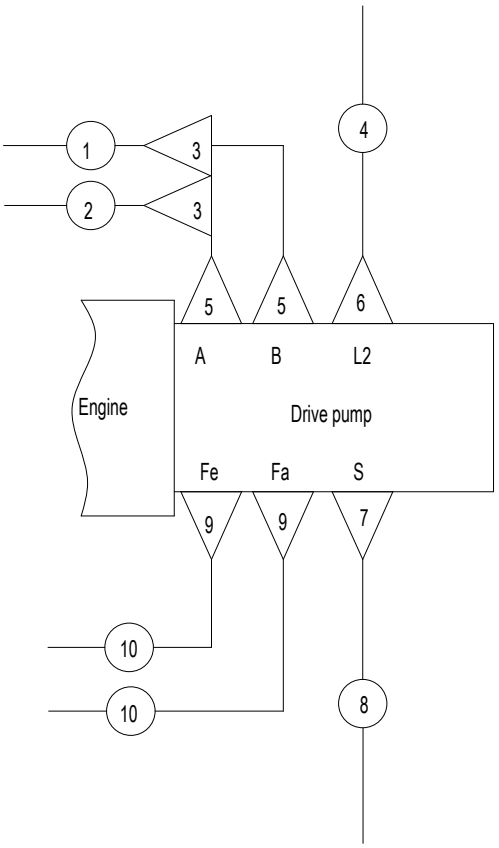
No.	Part No.	Qty.	Description
38	213010000008	4	Fitting
39	213010000104	1	Fitting
40	213010000082	1	Fitting
41	213050000012	1	Hose
42	213050000604	3	Hose
43	213050000053	1	Hose
44	213050000737	1	Hose
45	213050000393	1	Hose
46	213050000379	1	Hose
47	213010000202	2	Fitting
48	213010000065	1	Fitting
49	213010000086	1	Fitting
50	213050000120	1	Hose
51	105001050047	1	Piping diagram options, open-circuit pump
52	213050000506	1	Hose
53	105001050044	1	Piping diagram options, closed-circuit pump
54	213050000616	1	Hose

6.15 CLOSED-CIRCUIT PUMP TUBES LAYOUT (PN.202010000054)



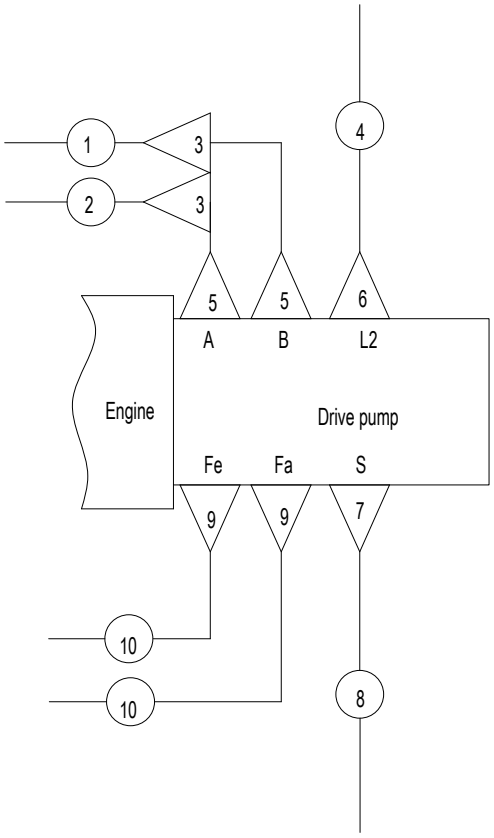
No.	Part No.	Qty.	Description
1	213050000042	1	Hose
2	213050000020	1	Hose
3	213010000022	2	Fitting
4	213050000054	1	Hose
5	213010000027	2	Fitting
6	213010000029	1	Fitting
7	213010003017	1	Fitting
8	213050000247	1	Hose
9	213010000162	2	Fitting
10	213050000293	2	Hose

6.16 CLOSED-CIRCUIT PUMP TUBES LAYOUT (PN.202010000005)



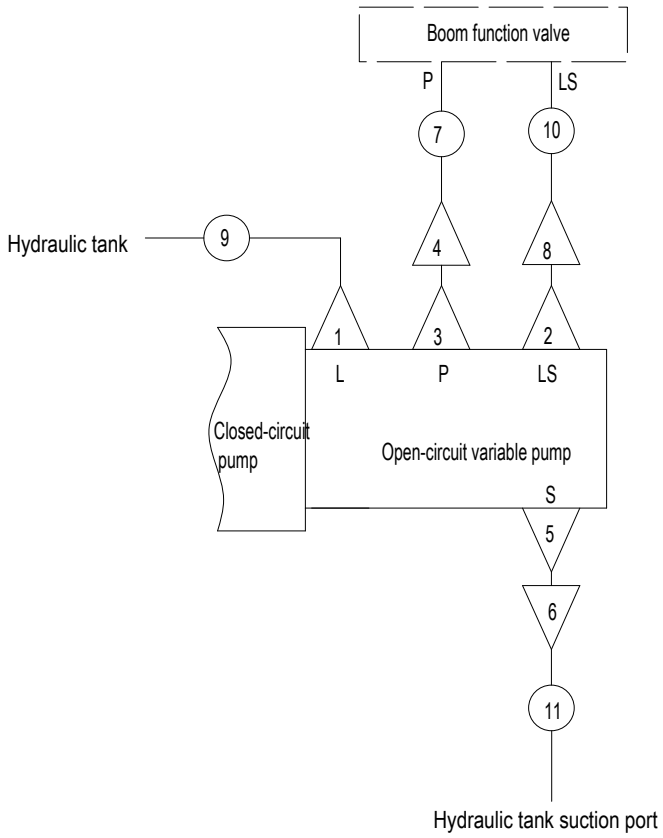
No.	Part No.	Qty.	Description
1	213050000042	1	Hose
2	213050000020	1	Hose
3	213010000022	2	Fitting
4	213050000054	1	Hose
5	213010000027	2	Fitting
6	213010000029	1	Fitting
7	213010000019	1	Fitting
8	213050000247	1	Hose
9	213010000162	2	Fitting
10	213050000293	2	Hose

6.17 CLOSED-CIRCUIT PUMP TUBES LAYOUT (PN.202010000006&202010000045)



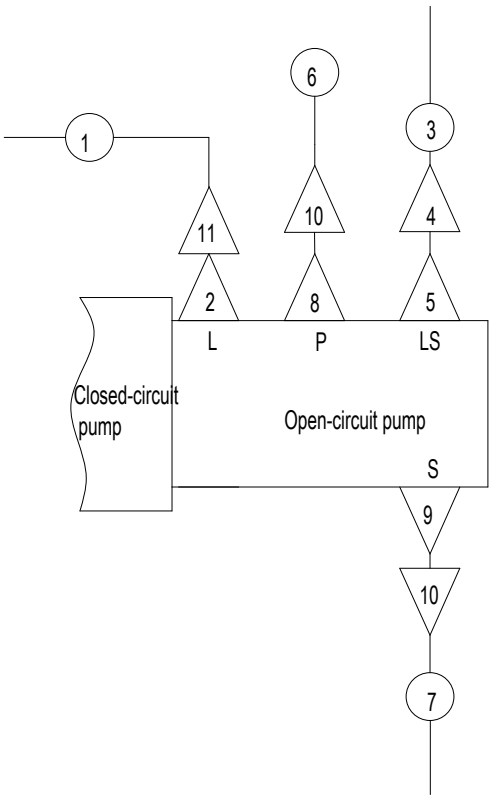
No.	Part No.	Qty.	Description
1	213050000042	1	Hose
2	213050000020	1	Hose
3	213010000022	2	Fitting
4	213050000054	1	Hose
5	213030000018	2	Flange
6	213010000168	1	Fitting
7	213010000103	1	Fitting
8	213050000247	1	Hose
9	213010000108	2	Fitting
10	213050000293	2	Hose

6.18 OPEN-CIRCUIT PUMP TUBES LAYOUT (PN.202010000055)



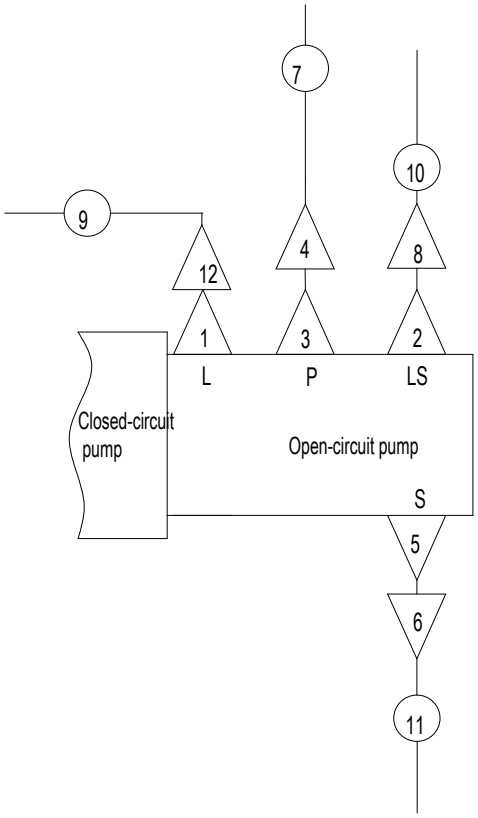
No.	Part No.	Qty.	Description
1	213010000069	1	Fitting
2	213010000209	1	Fitting
3	213030000022	1	Flange
4	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1
5	213030000012	1	Flange
6	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
7	213050000742	1	Hose
8	213010000024	1	Fitting
9	213050003103	1	Hose
10	213050000057	1	Hose
11	213050000527	1	Hose

6.19 OPEN-CIRCUIT PUMP TUBES LAYOUT (PN.202010000040)



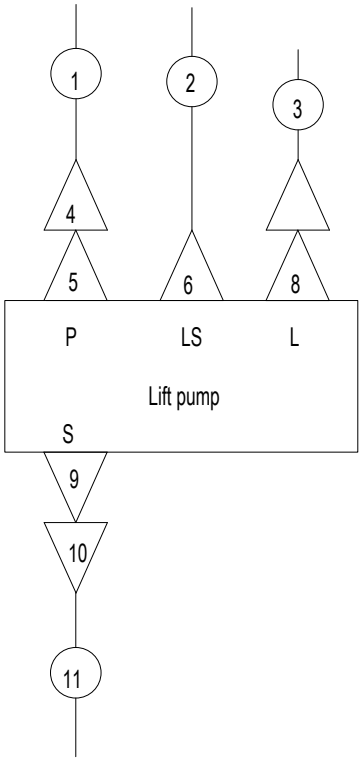
No.	Part No.	Qty.	Description
1	213050000989	1	Hose
2	213010000213	1	Fitting
3	213050000057	1	Hose
4	213010000024	1	Fitting
5	213010000007	1	Fitting
6	213050000599	1	Hose
7	213050000030	1	Hose
8	213030000001	1	Flange
9	213030000002	1	Flange
10	215020000050	4	Screw M10×30-8.8-ZnD GB/T 70.1
11	213010000067	1	Fitting

6.20 OPEN-CIRCUIT PUMP TUBES LAYOUT (PN.202010000029)



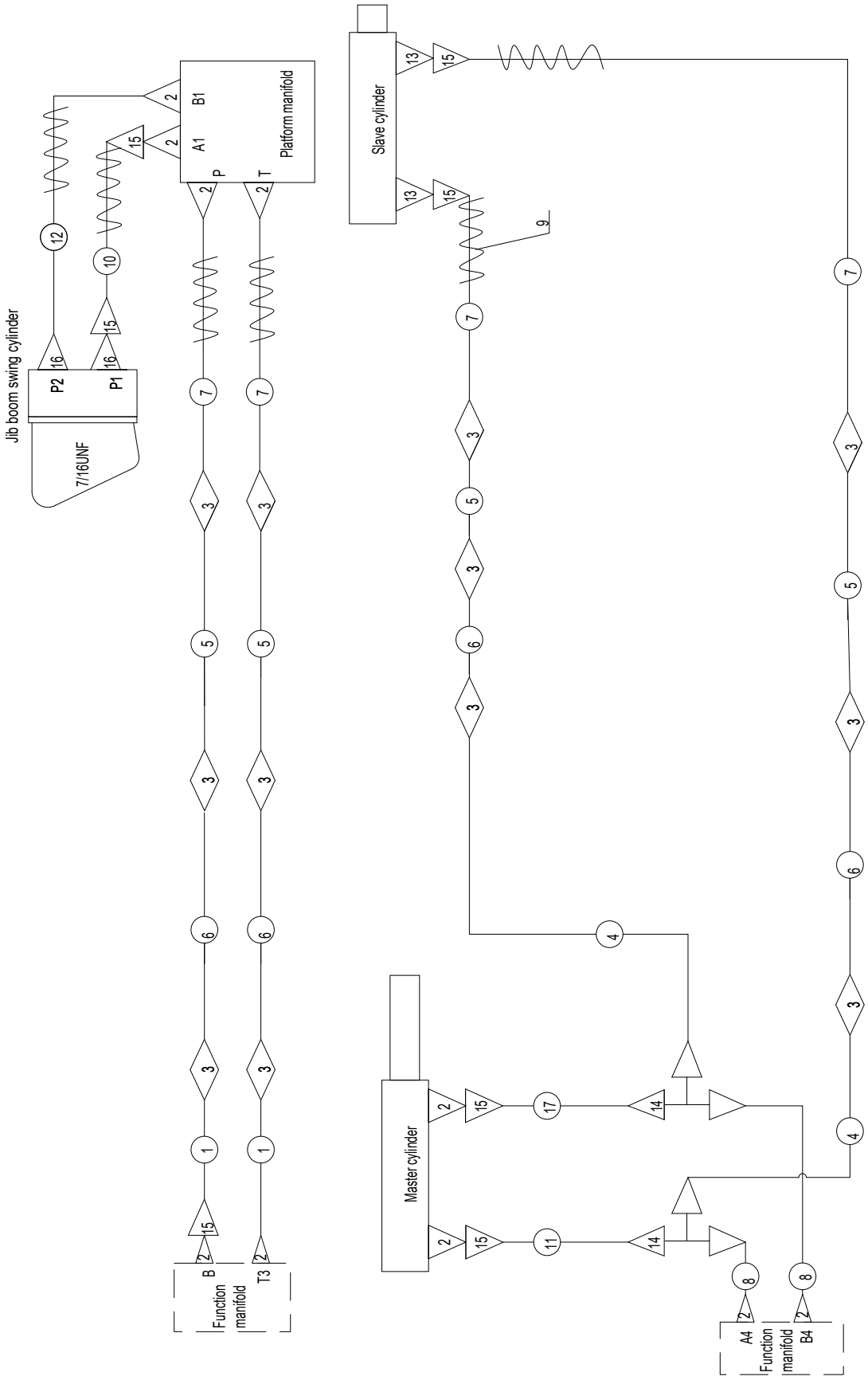
No.	Part No.	Qty.	Description
1	213010000197	1	Fitting
2	213010000013	1	Fitting
3	213030000022	1	Flange
4	215080000002	4	Screw 3/8"-16UNF-1inches GR5
5	213030000016	1	Flange
6	215080000003	4	Screw 1/2"-13UNC-1.25inches GR8
7	213050000742	1	Hose
8	213010000024	1	Fitting
9	213050000989	1	Hose
10	213050000057	1	Hose
11	213050000741	1	Hose
12	213010000067	1	Fitting

6.21 OPEN-CIRCUIT PUMP TUBES LAYOUT (PN.202010000002&202010000044)



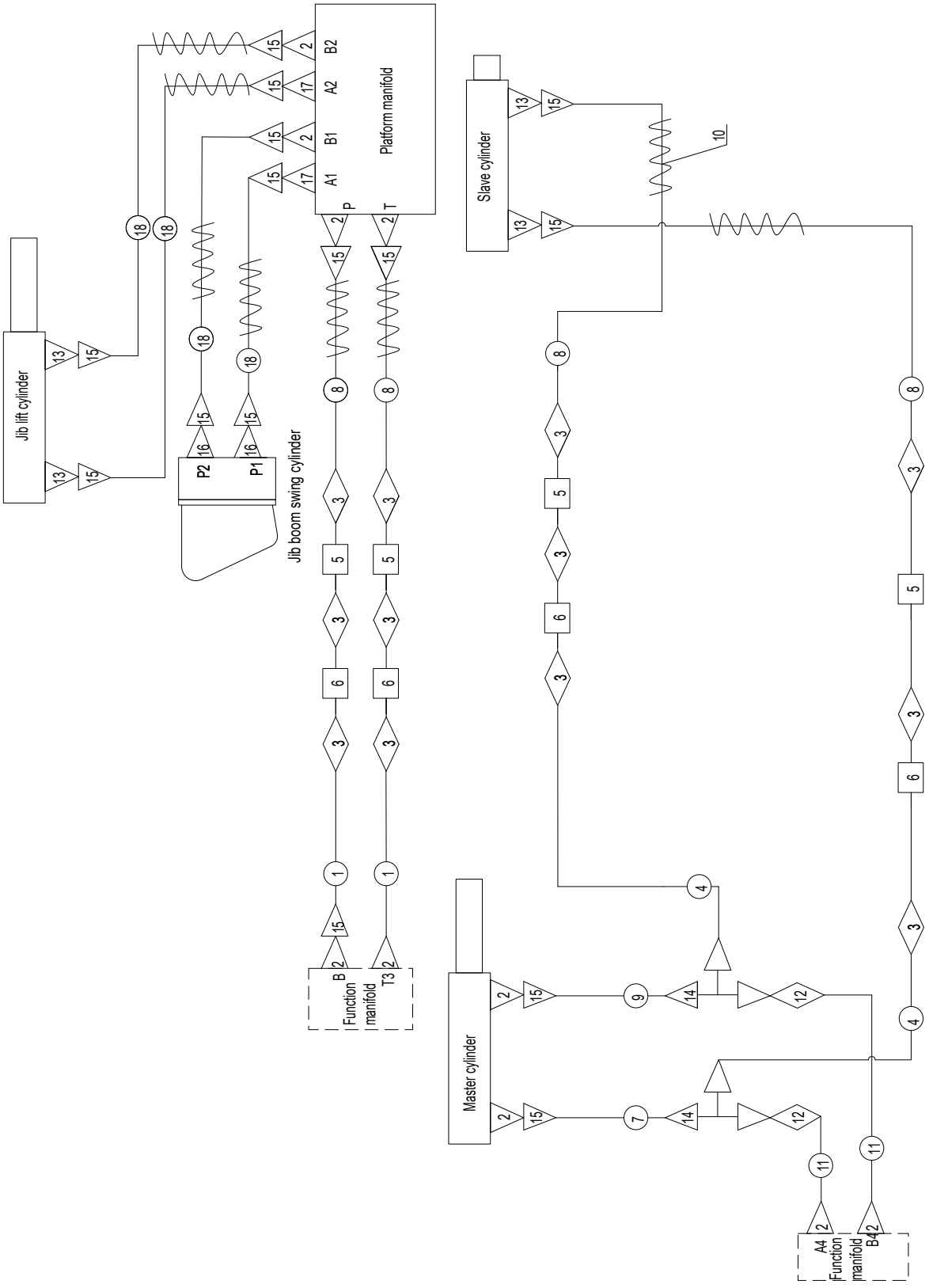
No.	Part No.	Qty.	Description
1	213050000040	1	Hose
2	213050000343	1	Hose
3	213050003103	1	Hose
4	213010000021	1	Fitting
5	213030000001	1	Flange
6	213010000013	1	Fitting
8	213010000159	1	Fitting
9	213030000002	1	Flange
10	215020000051	4	Screw M10×35-8.8-ZnD GB/T 70.1
11	213050000030	1	Hose

6.22 LEVEL SYSTEM TUBES LAYOUT-GTBZ26



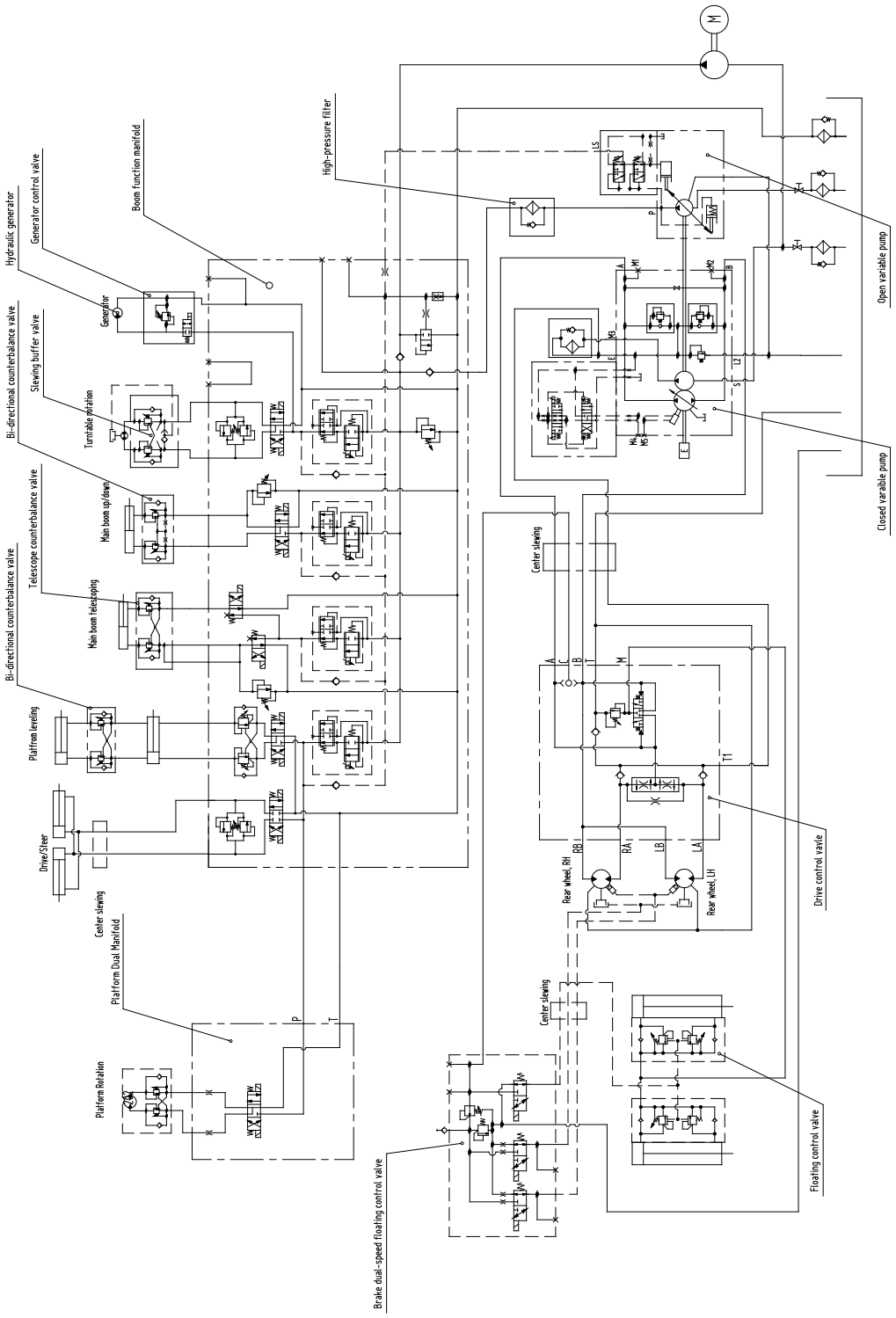
No.	Part No.	Qty.	Description
1	213050001451	2	Hose
2	213010000007	10	Fitting
3	213010000054	12	Fitting
4	213050003099	2	Hose
5	105003050001	4	Tube 1
6	105003050011	4	Tube
7	213050001323	4	Hose
8	213050000638	2	Hose
9	216110000003	2	Hose jacket
10	213050000362	1	Hose
11	213050000616	1	Hose
12	213050001449	1	Hose
13	213010000047	2	Fitting
14	213010000026	2	Fitting
15	213010000024	7	Fitting
16	213010000013	2	Fitting
17	213050000069	1	Hose

6.23 LEVEL SYSTEM TUBES LAYOUT-GTBZ28J

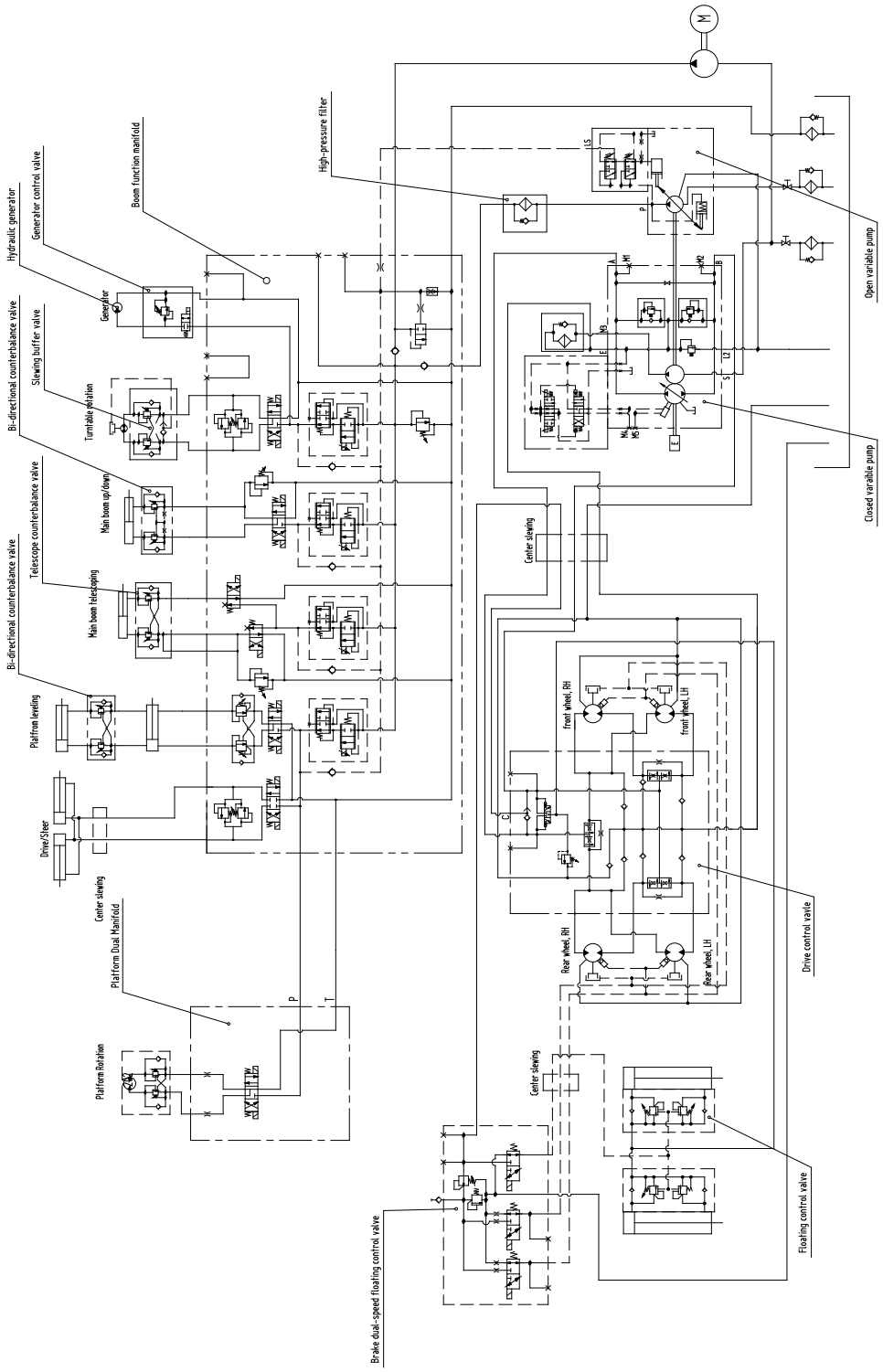


No.	Part No.	Qty.	Description
1	213050001489	2	Hose
2	213010000007	10	Fitting
3	213010000054	12	Fitting
4	213050003099	2	Hose
5	105003050001	4	Tube 1
6	105003050011	4	Tube
7	213050000616	1	Hose
8	213050001323	4	Hose
9	213050000069	1	Hose
10	216110000003	4	Hose jacket
11	213050000638	2	Hose
12	213010000139	2	Fitting
13	213010000047	4	Fitting
14	213010000026	2	Fitting
15	213010000024	15	Fitting
16	213010000013	2	Fitting
17	105030050010	2	Fitting
18	213050001236	4	Hose

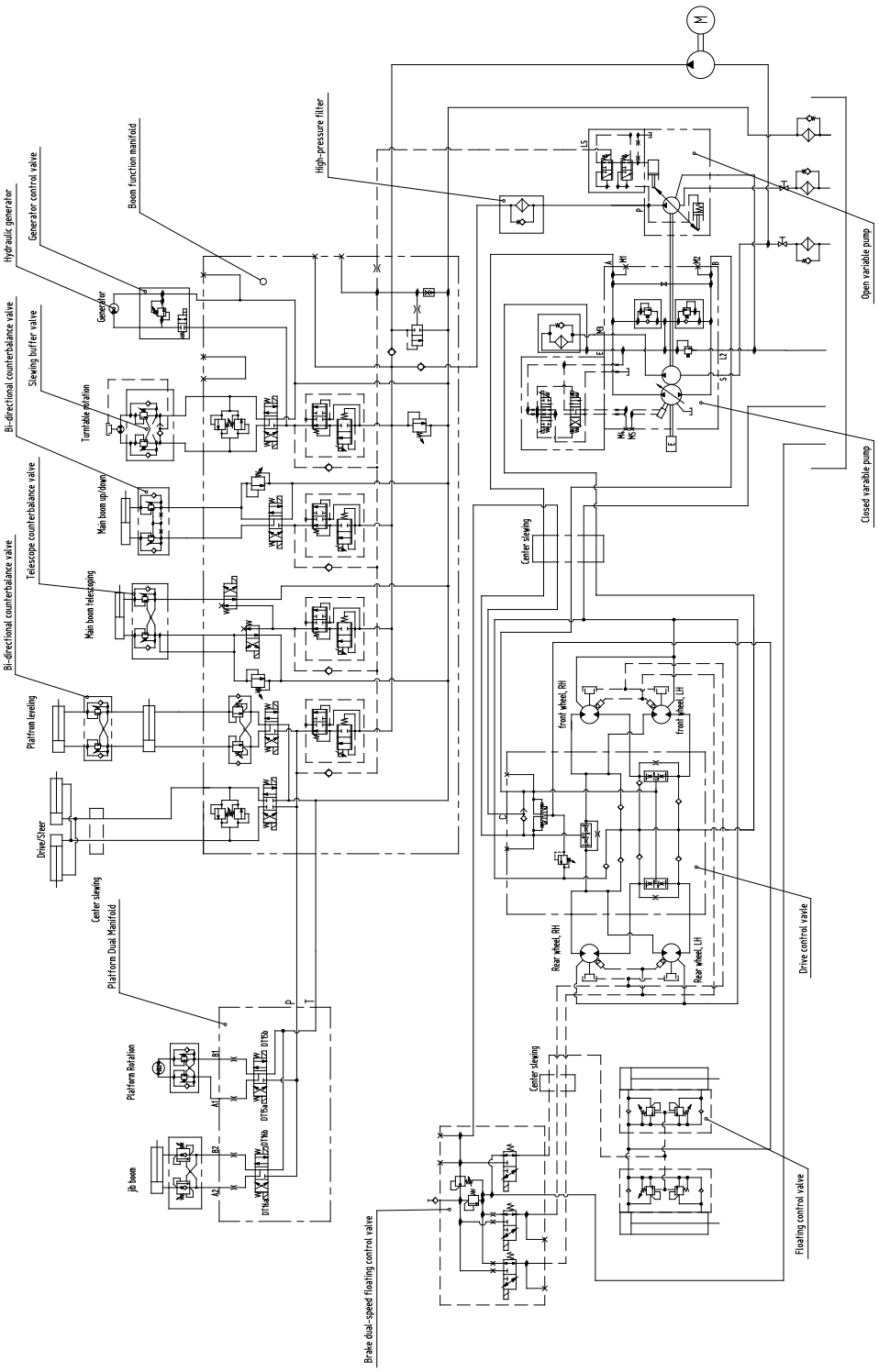
6.24 HYDRAULIC SCHEMATIC-GTBZ26 (2WD)



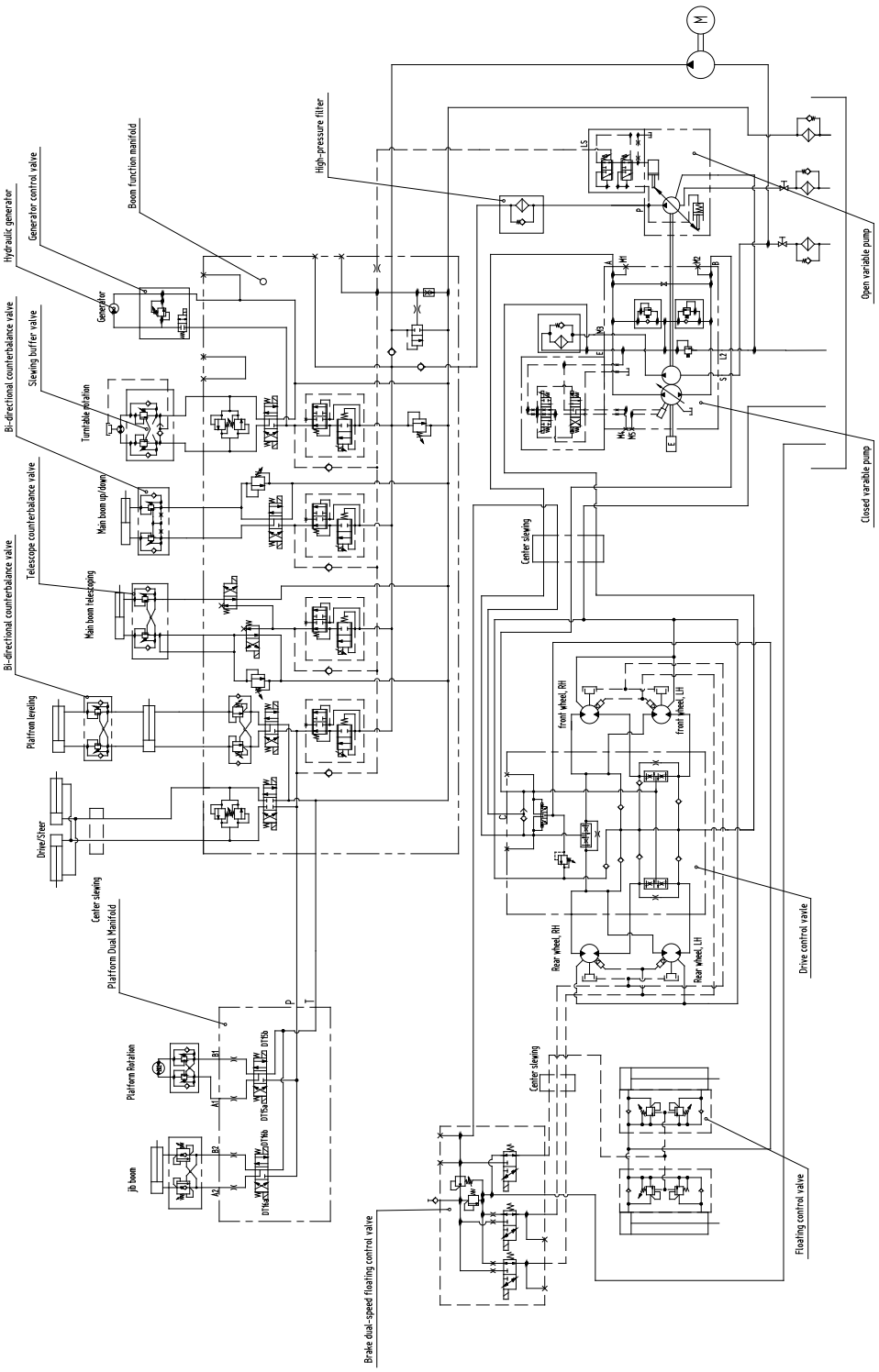
6.25 HYDRAULIC SCHEMATIC-GTBZ26 (4WD)



6.26 HYDRAULIC SCHEMATIC-GTBZ28J (2WD)



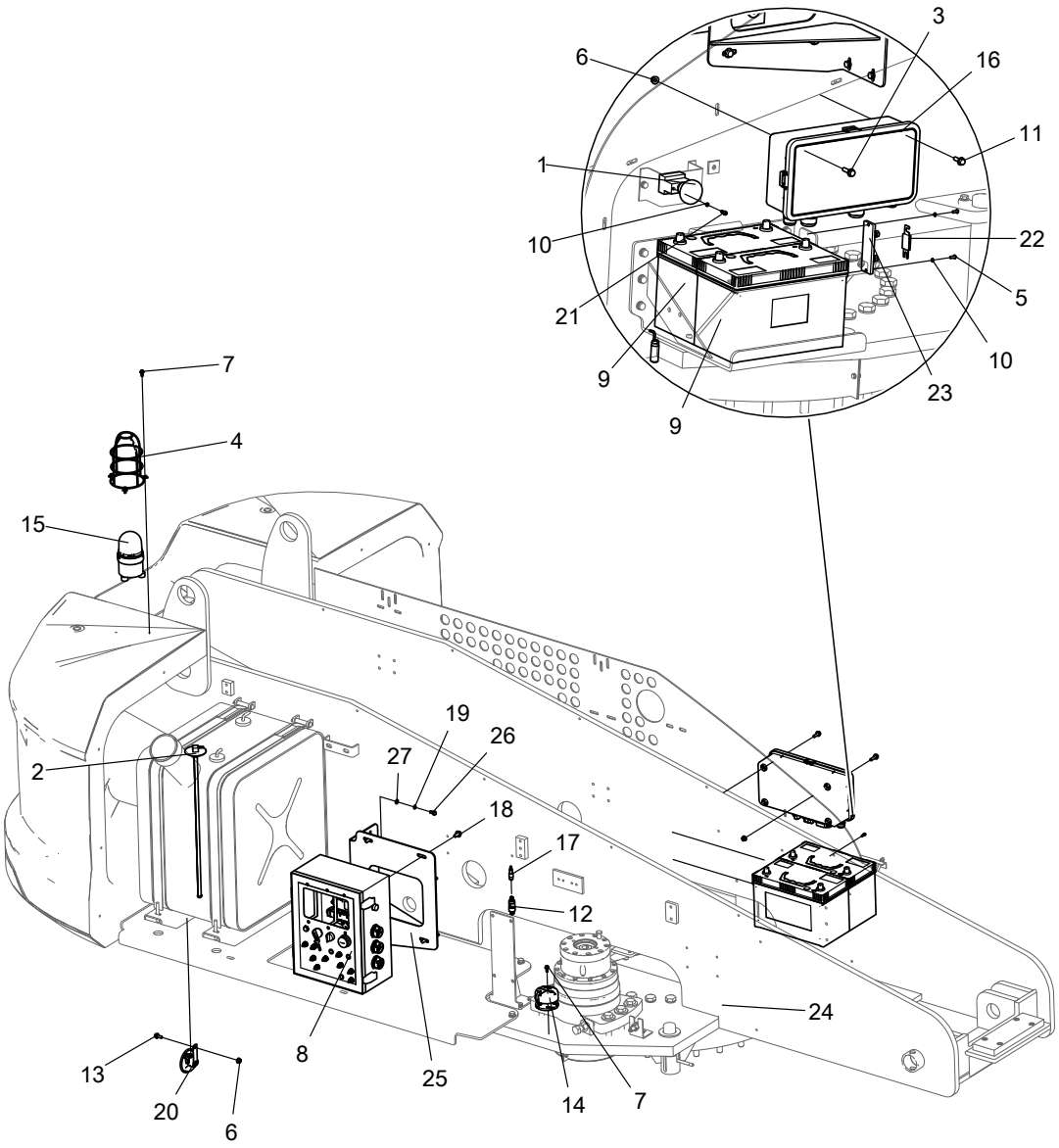
6.27 HYDRAULIC SCHEMATIC-GTBZ28J (4WD)



7 ELECTRICAL SYSTEM

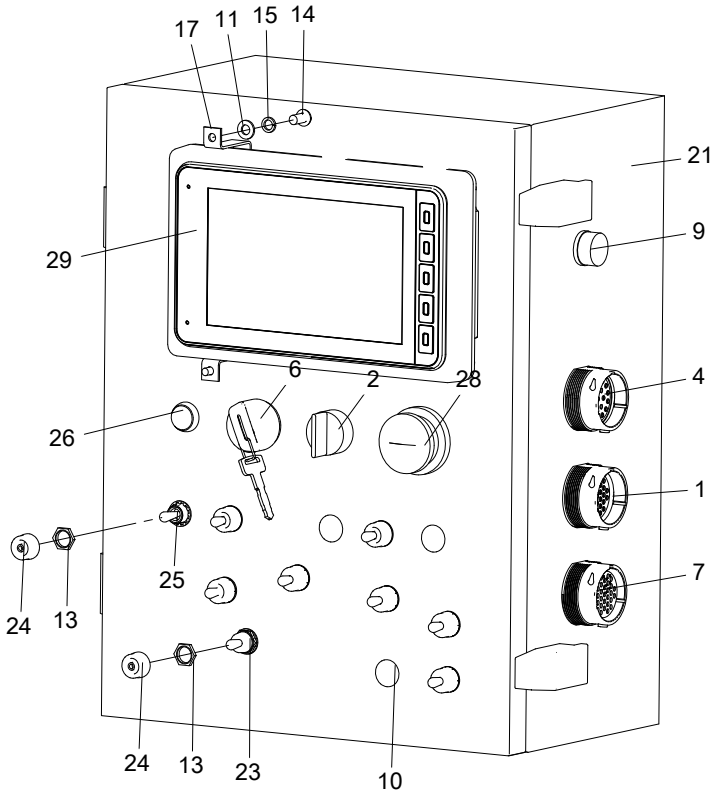
7.1 ELECTRICAL SYSTEM (REXROTH&DEUTZ)

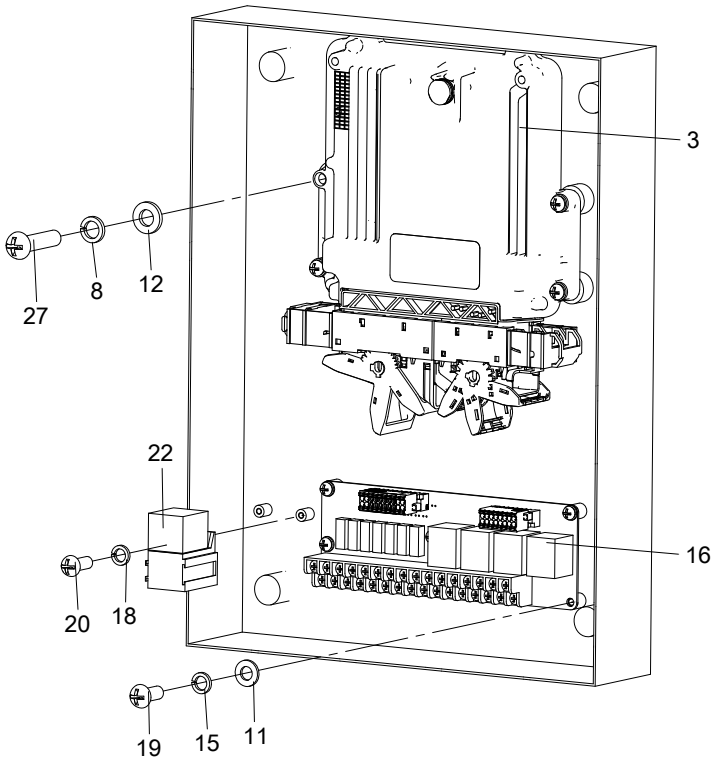
7.1.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (REXROTH&DEUTZ)



No.	Part No.	Qty.	Description
1	203060000024	1	Emergency stop switch
2	203150000006	1	Sensor, liquid level
3	215010000236	1	Bolt M8×30-8.8-ZnD GB/T 5789
4	105021060024	1	Guard, beacon light
5	215020000110	2	Screw M5×12-A2-70 GB/T 818
6	215030000108	2	Nut M8-8-ZnD GB/T 6183
7	215010000230	6	Bolt M6×16-8.8-ZnD GB/T 5789
8	105031060021	1	Ground controller assembly
9	203100000061	2	Battery, maintenance-free
10	215040000003	4	Washer 5-A2-70 GB/T 93
11	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
12	203150000055	1	Pressure sensor
13	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
14	203060000111	1	Level sensor
15	203050000060	1	Light, beacon
16	203100003012	1	Power switch box
17	203080003094	1	Plug, with cable
18	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
19	215040000005	4	Washer 8-ZnD GB/T 93
20	203050000034	1	Horn
21	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
22	203070000048	1	Fuse
23	203070000056	1	Mount, fuse
24	203150003010	1	Proximity switch
25	105025020046	1	Bracket, ground control box
26	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
27	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1

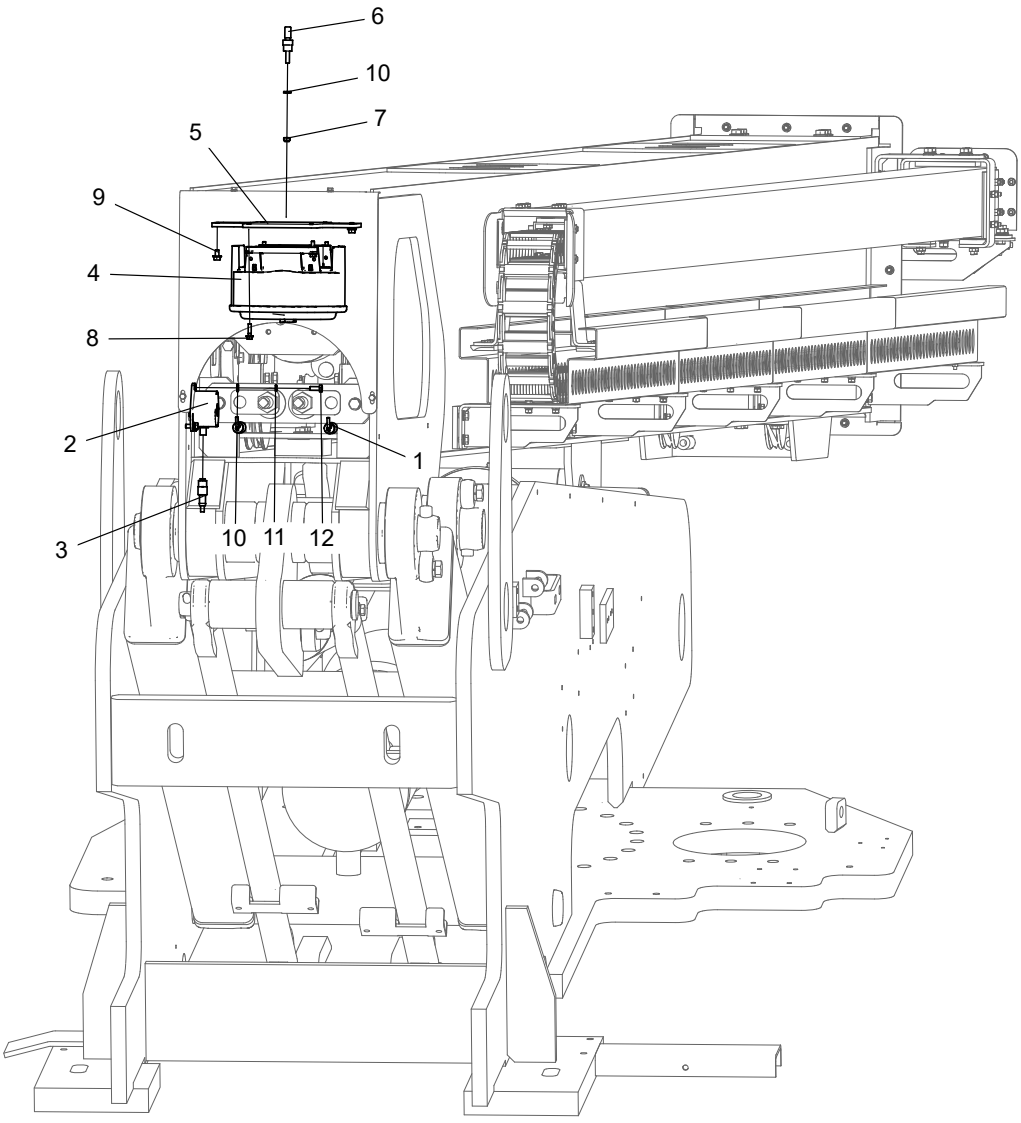
7.1.2 GROUND CONTROL BOX ASSEMBLY (PN.105031060021)





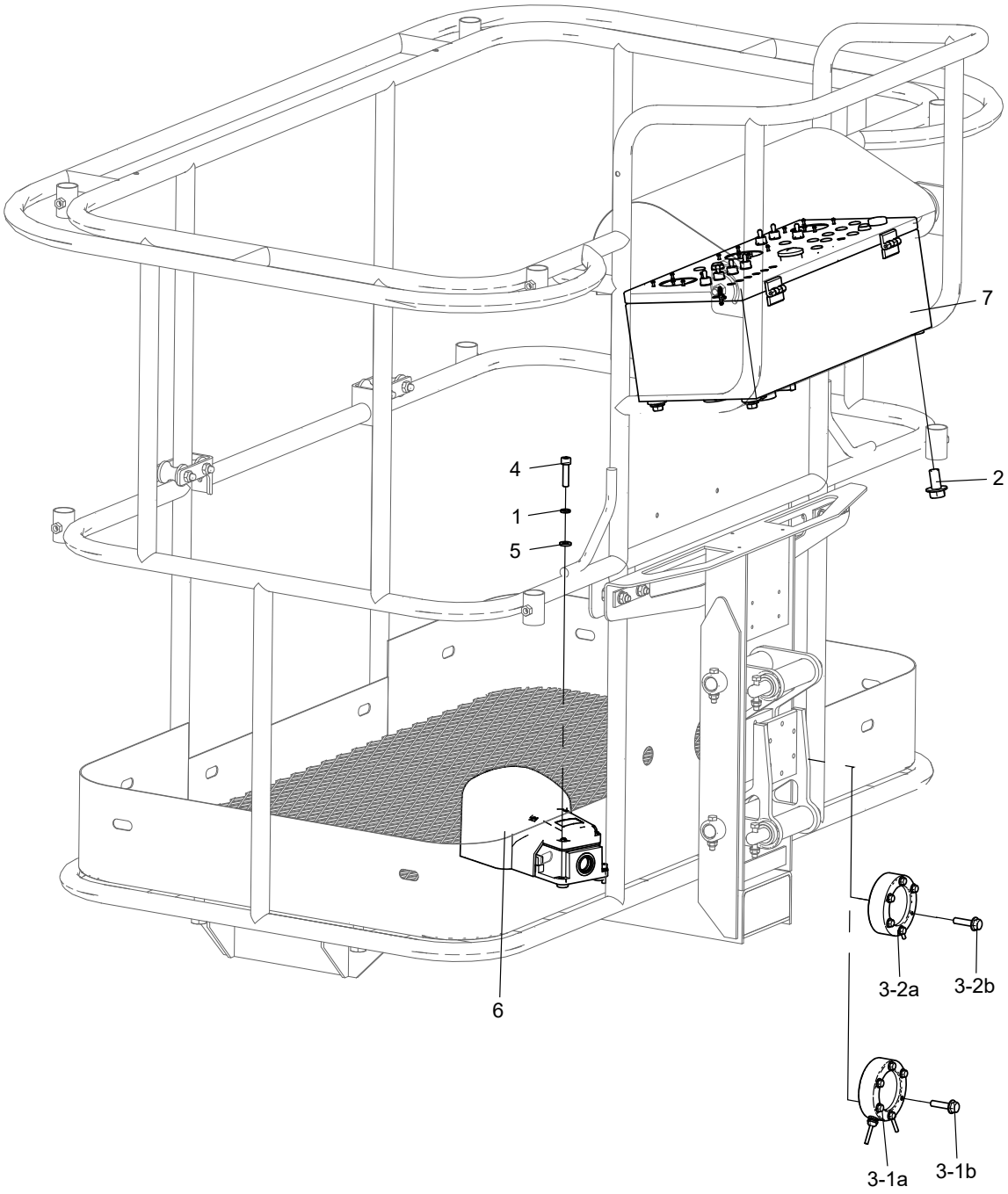
No.	Part No.	Qty.	Description
1	203080000523	1	Connector, 31 position, male
2	203060000029	1	Select switch
3	203020000038	1	Controller, ground control box
4	203080000518	1	Connector, 21 position, male
5	105029060005	1	Membrane, ground control box(Not shown)
6	203060000114	1	Key switch
7	203080000516	1	Connector, 31 position, female
8	215040000004	4	Washer 6-A2-70 GB/T 93
9	203050000005	1	Alarm
10	105045060004	3	Plug, controller
11	215040000032	11	Washer 5-A2 GB/T 97.1
12	215040000033	4	Washer 6-A2 GB/T 97.1
13	203080000109	9	Nut
14	215020000109	6	Screw M5×10-A2-70 GB/T 818
15	215040000003	11	Washer 5-A2-70 GB/T 93
16	203030000015	1	Integrated board, relay
17	105001060106	3	Retaining plate, display screen
18	215040000002	1	Washer 4-A2-70 GB/T 93
19	215020000110	5	Screw M5×12-A2-70 GB/T 818
20	215020000104	1	Screw M4×10-A2-70 GB/T 818
21	105042060019	1	Ground control box
22	203040003005	1	Delay relay
23	203060000003	6	Switch, toggle
24	203080000101	9	Cover, toggle switch
25	203060000021	3	Switch, toggle
26	203060000020	1	Button, yellow
27	215020000118	4	Screw M6×25-A2-70 GB/T 818
28	203060000142	1	Emergency stop switch
29	203200000004	1	Display screen

7.1.3 BOOM ELECTRICAL COMPONENTS INSTALLATION (REXROTH)



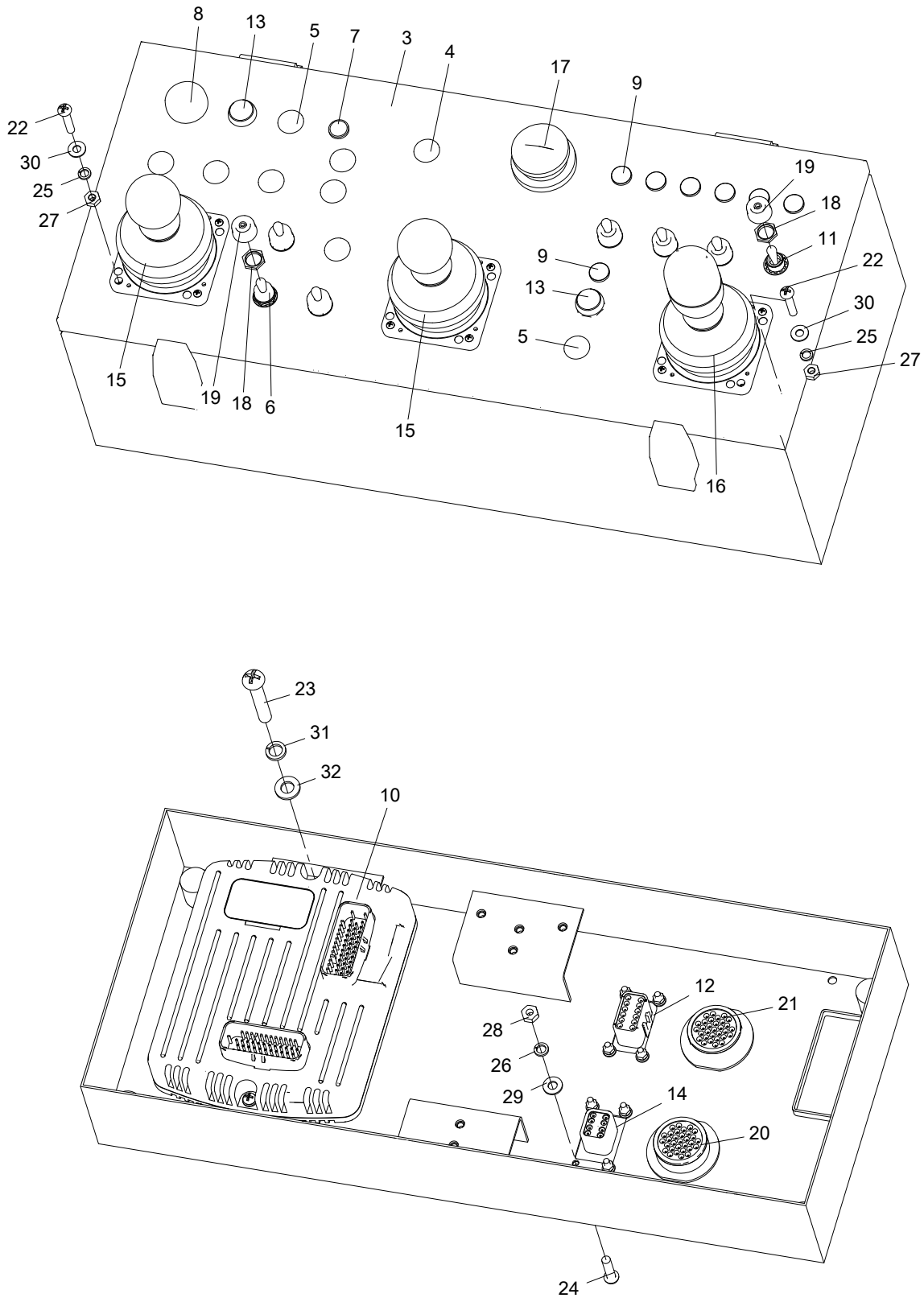
No.	Part No.	Qty.	Description
1	203150003010	2	Proximity switch
2	203150000058	1	Sensor, CAN bus
3	203080003094	1	Plug, with cable
4	203150000051	1	Length sensor
5	105001010254	1	Mount, length sensor
6	105001060075	1	Thread rod, for length sensor
7	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
8	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
9	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
10	215040000033	4	Washer 6-A2 GB/T 97.1
11	215040000004	3	Washer 6-A2-70 GB/T 93
12	215010000050	3	Bolt M6×16-A2-70 GB/T 5783

7.1.4 PLATFORM ELECTRICAL COMPONENTS INSTALLATION (REXROTH)



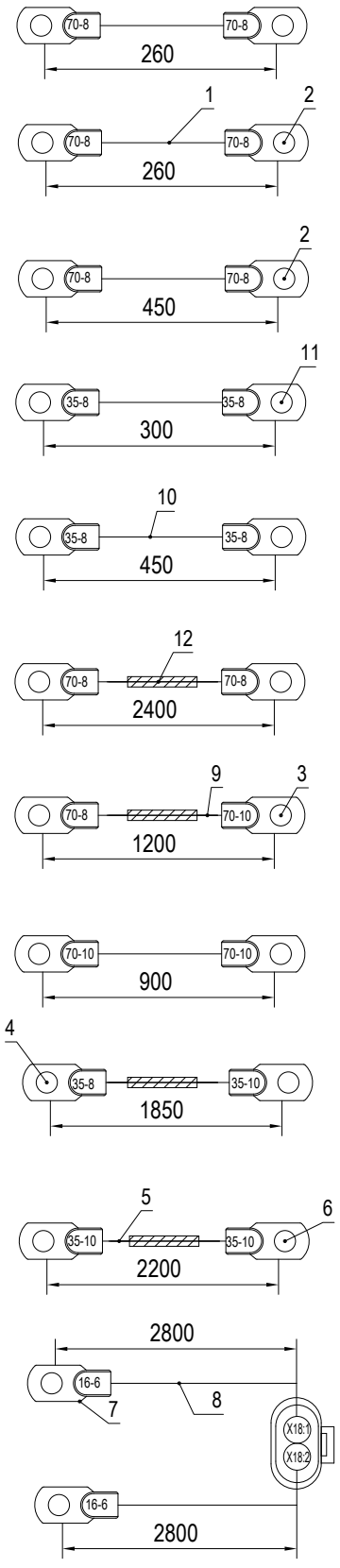
No.	Part No.	Qty.	Description
1	215040000004	3	Washer 6-A2-70 GB/T 93
2	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
3	103006060034	1	Load sensor options
3-1	103006060026	1	Load sensor, dual-channel
3-1a	203150000070	1	Load sensor
3-1b	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
3-2	103006060029	1	Load sensor, single-channel
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	105031060023	1	Platform controller assembly

7.1.5 PLATFORM CONTROL BOX ASSEMBLY (PN.105029060003)



No.	Part No.	Qty.	Description
1	105029060006	1	Film, platform controller(Not shown)
2	105029060025	1	PC film, platform controller(Not shown)
3	105029060007	1	Platform controller
4	105045060005	1	Plug, controller
5	105045060004	8	Plug, controller
6	203060000003	3	Switch, toggle
7	203050000008	1	Indicator light
8	203050000006	1	Alarm
9	203050000007	7	Indicator light
10	203020000041	1	Controller
11	203060000021	4	Switch, toggle
12	203060000090	1	Connector, 12 position, with flange
13	203060000020	2	Button, yellow
14	203060000088	1	Connector, 8 position, with flange
15	203060000049	2	Joystick
16	203060000017	1	Joystick
17	203060000142	1	Emergency stop switch
18	203080000109	7	Nut
19	203080000101	7	Cover, toggle switch
20	203080000523	1	Connector, 31 position, male
21	203080000516	1	Connector, 31 position, female
22	215020000102	12	Screw M3×16-A2-70 GB/T 818
23	215020000114	2	Screw M5×30-A2-70 GB/T 818
24	215020000106	8	Screw M4×16-A2-70 GB/T 818
25	215040000001	12	Washer 3-A2-70 GB/T 93
26	215040000002	8	Washer 4-A2-70 GB/T 93
27	215030000001	12	Nut M3-A2-70 GB/T 6170
28	215030000002	8	Nut M4-8-A2-70 GB/T 6170
29	215040000031	8	Washer 4-A2 GB/T 97.1
30	215040000030	12	Washer 3-A2 GB/T 97.1
31	215040000003	2	Washer 5-A2-70 GB/T 93
32	215040000032	2	Washer 5-A2 GB/T 97.1

7.1.6 POWER CABLE KIT (DEUTZ)



BAT1- — BAT2- (black)

BAT1+ — BAT2+ (red)

BAT1+ — FU4+ (red)

BAT1+ — Main power switch (red)

Main power switch — Power box BO1 (red)

FU4+ — Startig motor 50 (red)

BAT2- — GND (black)

Engine — GND (black)

Power box 12 — Auxiliary pump (red)

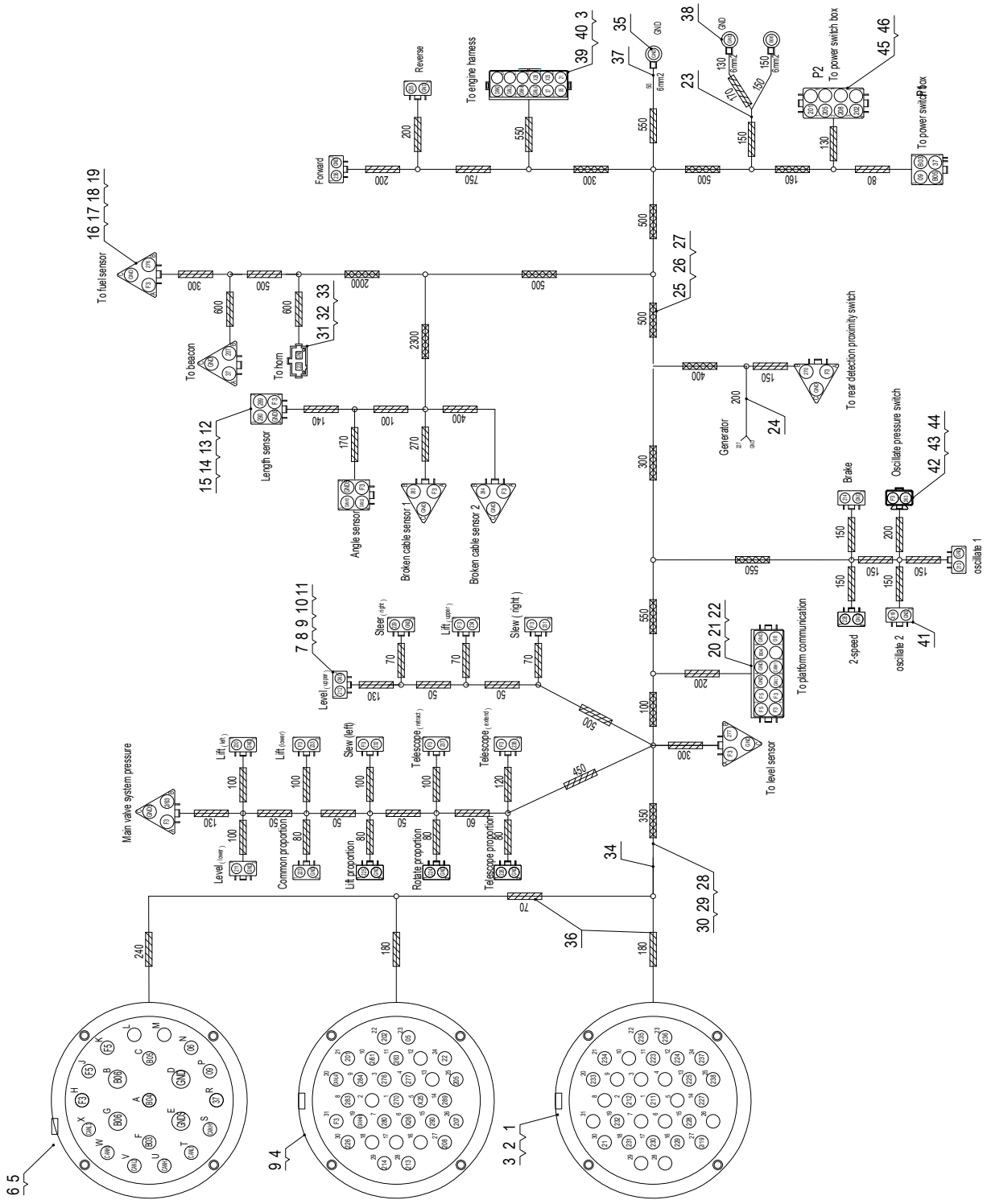
Auxiliary pump — GND (black)

Power box 15 — Engine glow plug X18:1 (red)

Power box 15 — Engine glow plug X18:2 (red)

No.	Part No.	Qty.	Description
1	203080000578	3	Cable (red)
2	203080000581	9	Cable lug, copper
3	203080000574	3	Cable lug, copper
4	203080000038	5	Cable lug, copper
5	203080000580	2	Cable (black)
6	203080000045	3	Cable lug, copper
7	203080000260	2	Cable lug, copper
8	203080000576	6	Cable
9	203080000573	2	Cable (black)
10	203080000579	3	Cable (red)
11	203080000004	5	Jacket, PVC
12	203080000422	8	Nylon hose, open-end

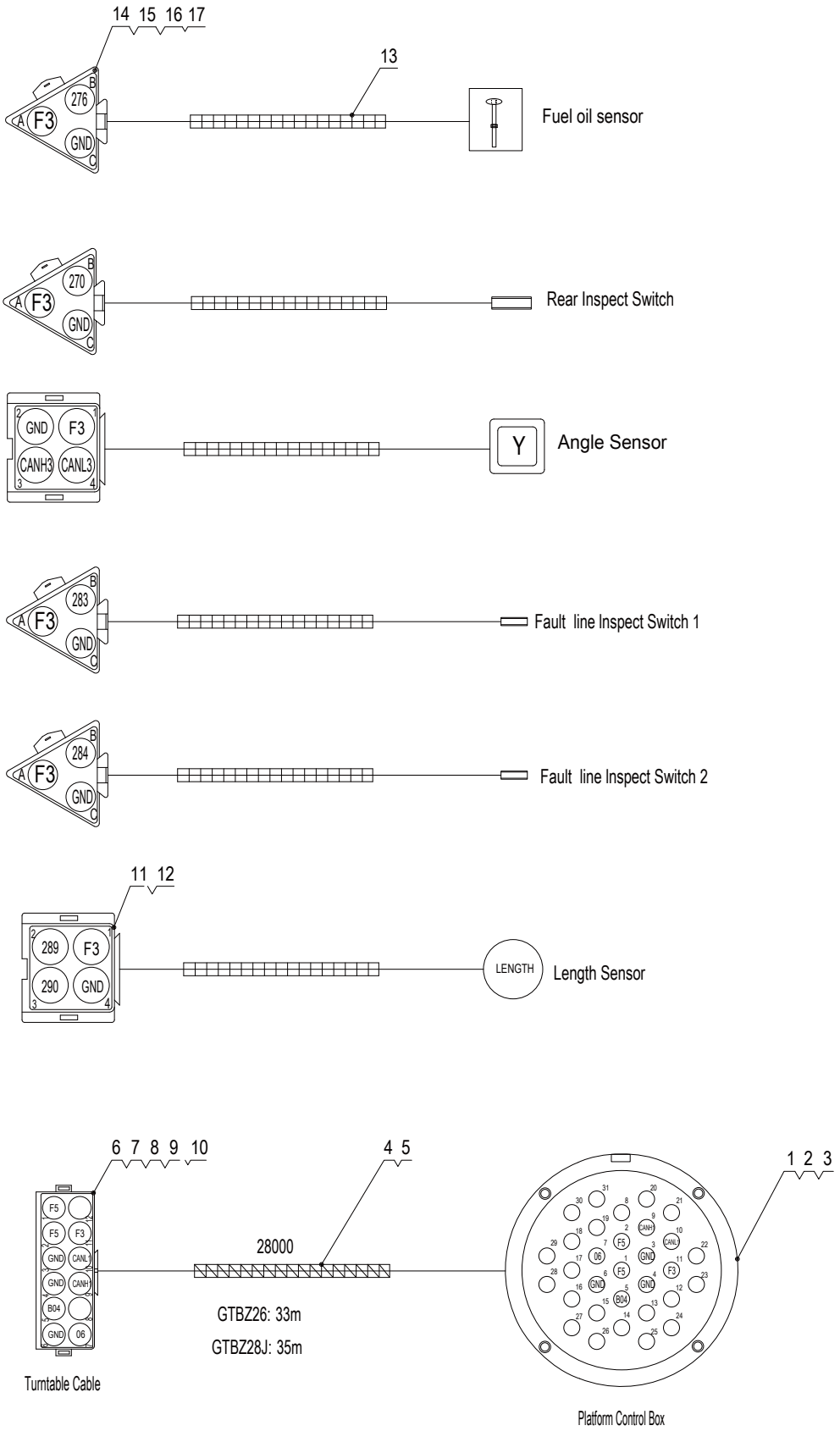
7.1.7 TURNTABLE HARNESS (REXROTH&DEUTZ)



No.	Part No.	Qty.	Description
	105031060015	1	Wiring harness, turntable (Rexroth-Deutz, Euro 4)
1	203080000515	1	Terminal jacket, 31-pin, male
2	203060000096	3	End clip, 180 deg.
3	203080000033	30	Terminal, male
4	203080000520	1	Terminal jacket, 31-pin, female
5	203080000517	1	terminal jacket, 21-pin, female
6	203060000097	4	Terminal, #12, female
7	203080000410	20	Jacket
8	203080000016	20	Lock
9	203080000041	90	Terminal, female
10	203080000437	20	End attachments, 2-pin, female
11	203080000448	20	Rubber, 2-pin
12	203080000044	3	Jacket
13	203080000020	3	Lock
14	203080000445	3	End attachments, 4-pin, female
15	203080000446	3	Rubber, 4-pin
16	203080000404	7	Jacket
17	203080000032	7	Lock
18	203080000442	7	End attachments, 3-pin, female
19	203080000458	7	Rubber, 3-pin
20	203080000414	1	Jacket
21	203080000159	1	Latch
22	203080000068	28	Blind plug
23	203080000161	6	Cable
24	203080000035	1	Pipe, heat-shrink
25	203080000463	7	Hose, nylon, closed-end
26	203080000422	5	Nylon hose, open-end
27	203080000037	2	Pipe, corrugated
28	203080000564	150	Cable, thin wall (white)
29	203080000563	60	Cable, thin wall (black)
30	203080000562	30	Cable, thin wall (red)
31	203080000427	1	Jacket
32	203080000428	2	Pin, female
33	203080000429	1	Cap, waterproof
34	203080000135	1	Corrugated pipe (Black)
35	203080000244	1	Terminal, round top insulated

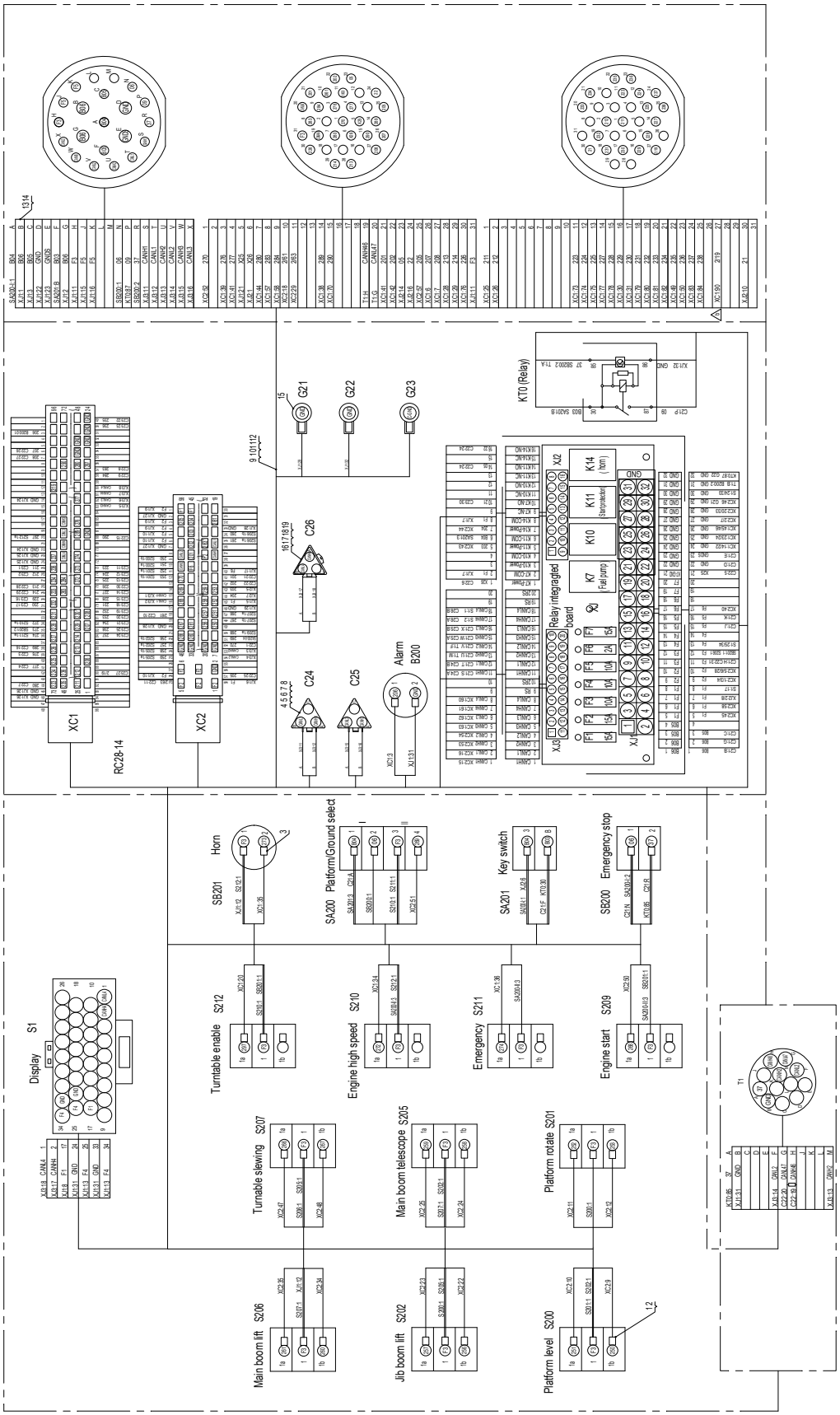
No.	Part No.	Qty.	Description
36	203080000417	1	Nylon hose, closed-end
37	203080000191	5	Cable
38	203080000134	2	Terminal, blade-hole type
39	203080000403	1	Jacket
40	203080000157	1	Lock
41	203080000474	1	Cover, waterproof, 2-pin, female
42	203080000408	1	Jacket
43	203080000021	1	Lock
44	203080000465	1	End clip, 2-pin, male
45	203080000406	1	Jacket
46	203080000112	1	Lock

7.1.8 TURNTABLE SENSORS HARNESS (REXROTH)



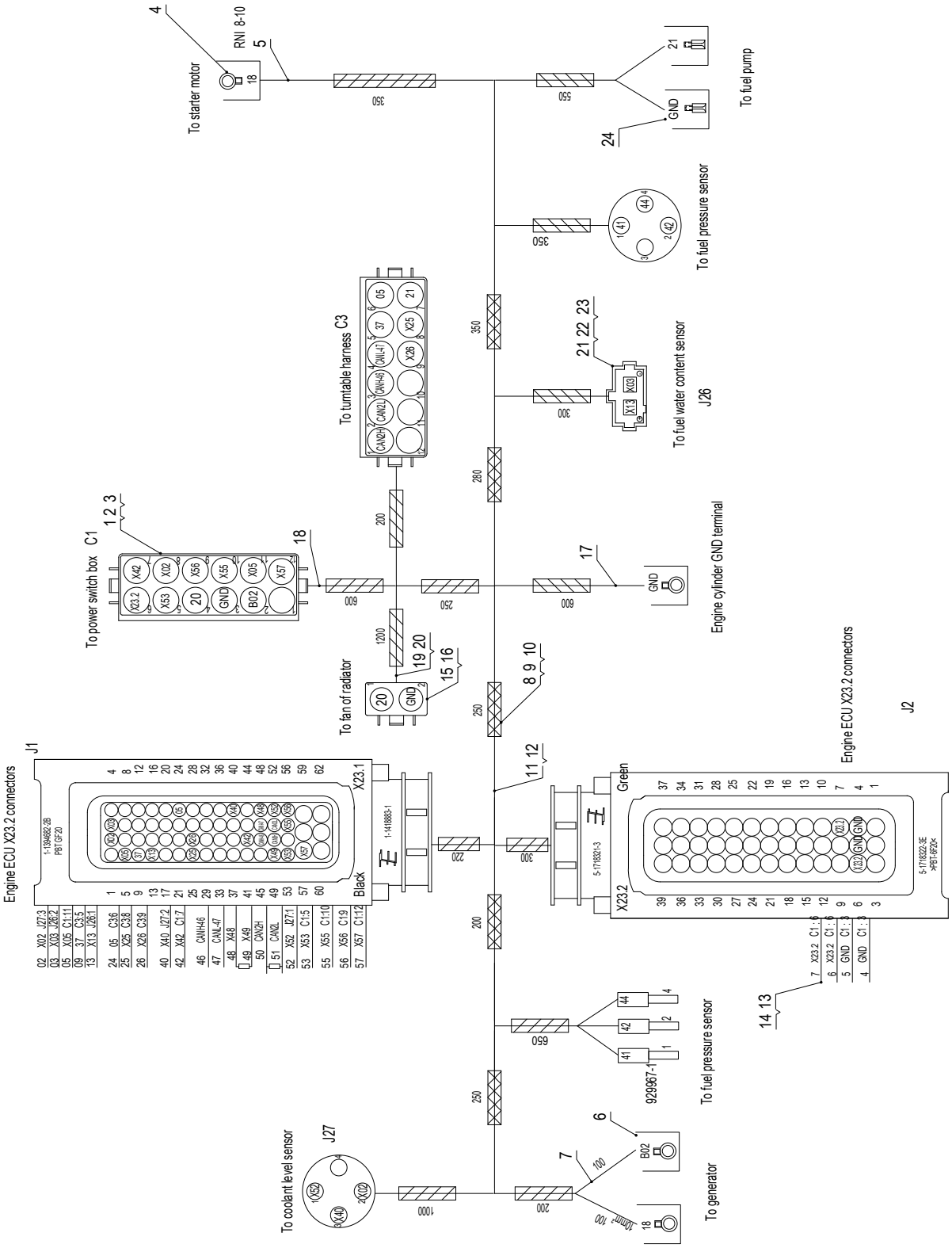
No.	Part No.	Qty.	Description
1	203080000520	1	Terminal jacket, 31-pin, female
2	203060000096	1	End clip, 180 deg.
3	203080000524	10	Terminal, female
4	203080000560	35	Cable, cable track
5	203080000555	35	Cable, CAN bus, cable track
6	203080000403	1	Jacket
7	203080000157	1	Lock
8	203080000033	30	Terminal, male
9	203080000068	23	Blind plug
10	203080000459	1	Connector, 12 position, male
11	203080000054	2	Jacket
12	203080000088	2	Lock
13	203080000463	2	Hose, nylon, closed-end
14	203080000405	4	Jacket
15	203080000046	4	Lock
16	203080000035	1	Pipe, heat-shrink
17	203080000466	4	End clip, 3-pin, male

7.1.9 GROUND CONTROL BOX HARNESS (REXROTH&DEUTZ)



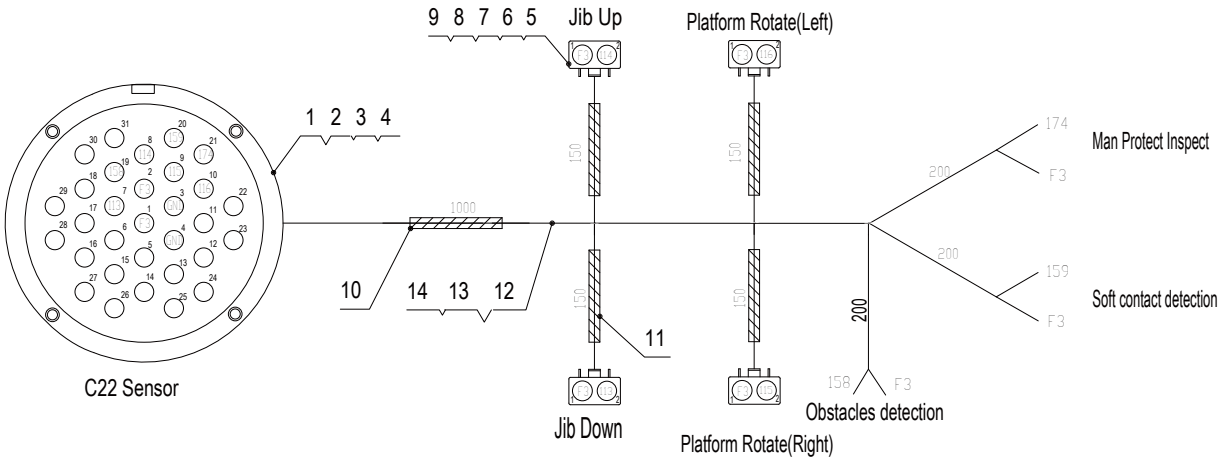
No.	Part No.	Qty.	Description
1	203080000036	36	Terminal
2	203080000022	1	Heat shrink
3	203080000023	4	Terminal
4	203080000404	2	Jacket
5	203080000032	2	Lock
6	203080000041	4	Terminal, female
7	203080000068	3	Blind plug
8	203080000473	3	Cap, 3 position, female
9	203080000564	15	Cable, thin wall (white)
10	203080000562	5	Cable, thin wall (red)
11	203080000563	7	Cable, thin wall (black)
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000133	3	Terminal, blade-hole type
16	203080000405	1	Jacket
17	203080000046	1	Lock
18	203080000033	2	Terminal, male
19	203080000086	1	Connector

7.1.10 DEUTZ ENGINE HARNESS



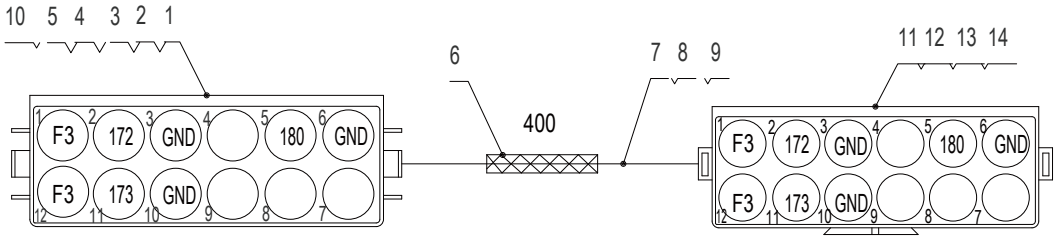
No.	Part No.	Qty.	Description
	105004060014	1	Wiring harness, Deutz engine
1	203080000414	2	Jacket
2	203080000159	2	Latch
3	203080000041	21	Terminal, female
4	203080000244	2	Terminal, round top insulated
5	203080000367	2	Cable
6	203080000133	3	Terminal, blade-hole type
7	203080000030	1	Pipe, heat-shrink
8	203080000375	30	Cable
9	203080000370	4	Cable
10	203080000369	6	Cable
11	203080000582	3	Cable
12	203080000410	1	Jacket
13	203080000016	1	Lock
14	203080000394	1	Cable
15	203080000461	2	Connector, 12-pin, female
16	203080000437	1	End attachments, 2-pin, female
17	203080000448	1	Rubber, 2-pin
18	203080000427	1	Jacket
19	203080000428	1	Pin, female
20	203080000429	1	Cap, waterproof
21	203080000129	1	Jacket, flexible
22	203080000130	1	Terminal
23	203080000054	1	Jacket
24	203080000088	1	Lock
25	203080000033	1	Terminal, male

7.1.11 PLATFORM HARNESS (REXROTH)



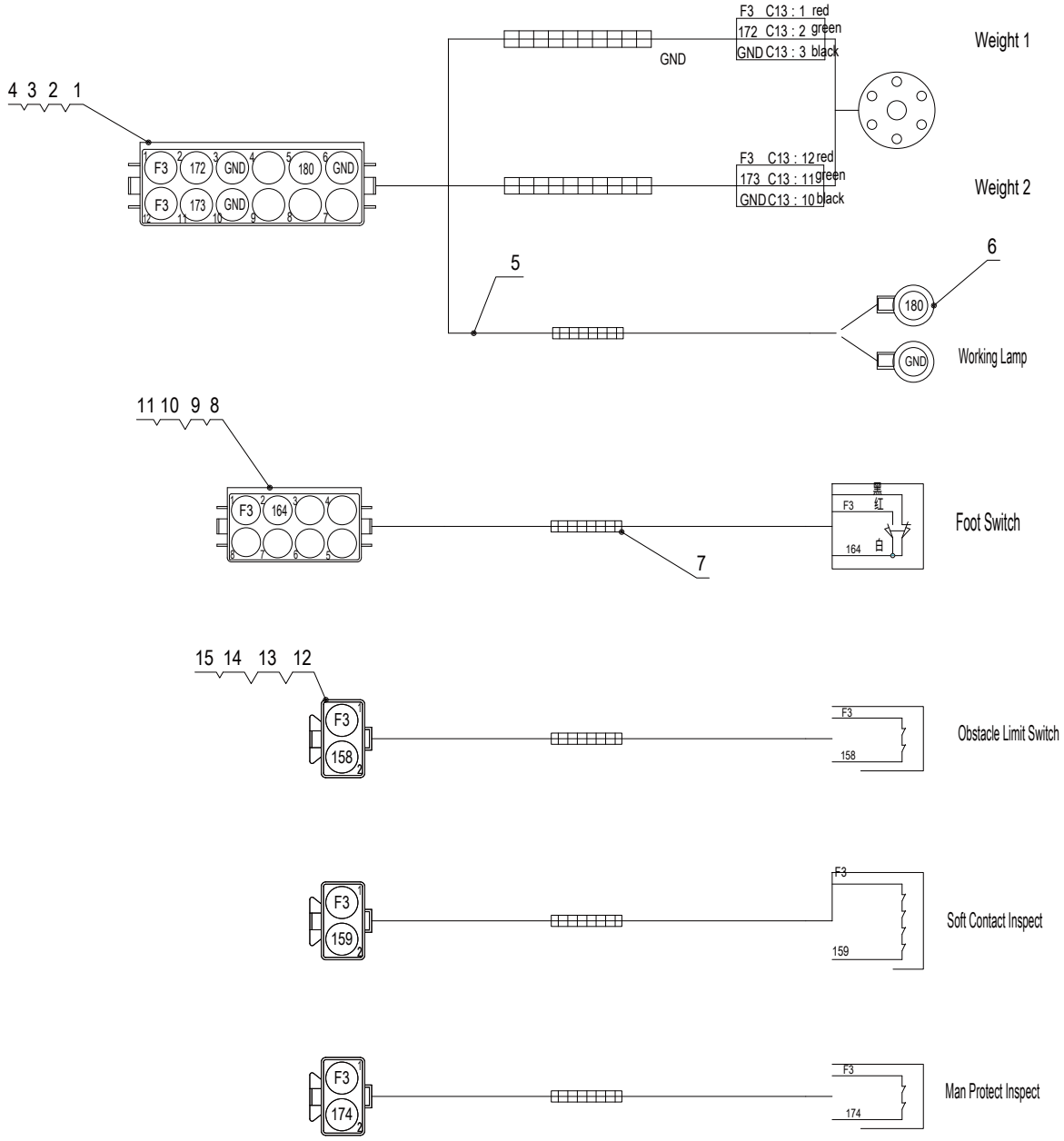
No.	Part No.	Qty.	Description
	105031060018	1	Platform wiring harness
1	203080000515	1	Terminal jacket, 31-pin, male
2	203080000068	20	Blind plug
3	203080000519	11	Terminal, male
4	203060000096	1	End clip, 180 deg.
5	203080000410	4	Jacket
6	203080000016	4	Lock
7	203080000041	8	Terminal, female
8	203080000437	4	End attachments, 2-pin, female
9	203080000448	4	Rubber, 2-pin
10	203080000419	1	Tube
11	203080000463	1	Hose, nylon, closed-end
12	203080000564	7	Cable, thin wall (white)
13	203080000563	1	Cable, thin wall (black)
14	203080000562	5	Cable, thin wall (red)

7.1.12 PLATFORM HARNESS 2



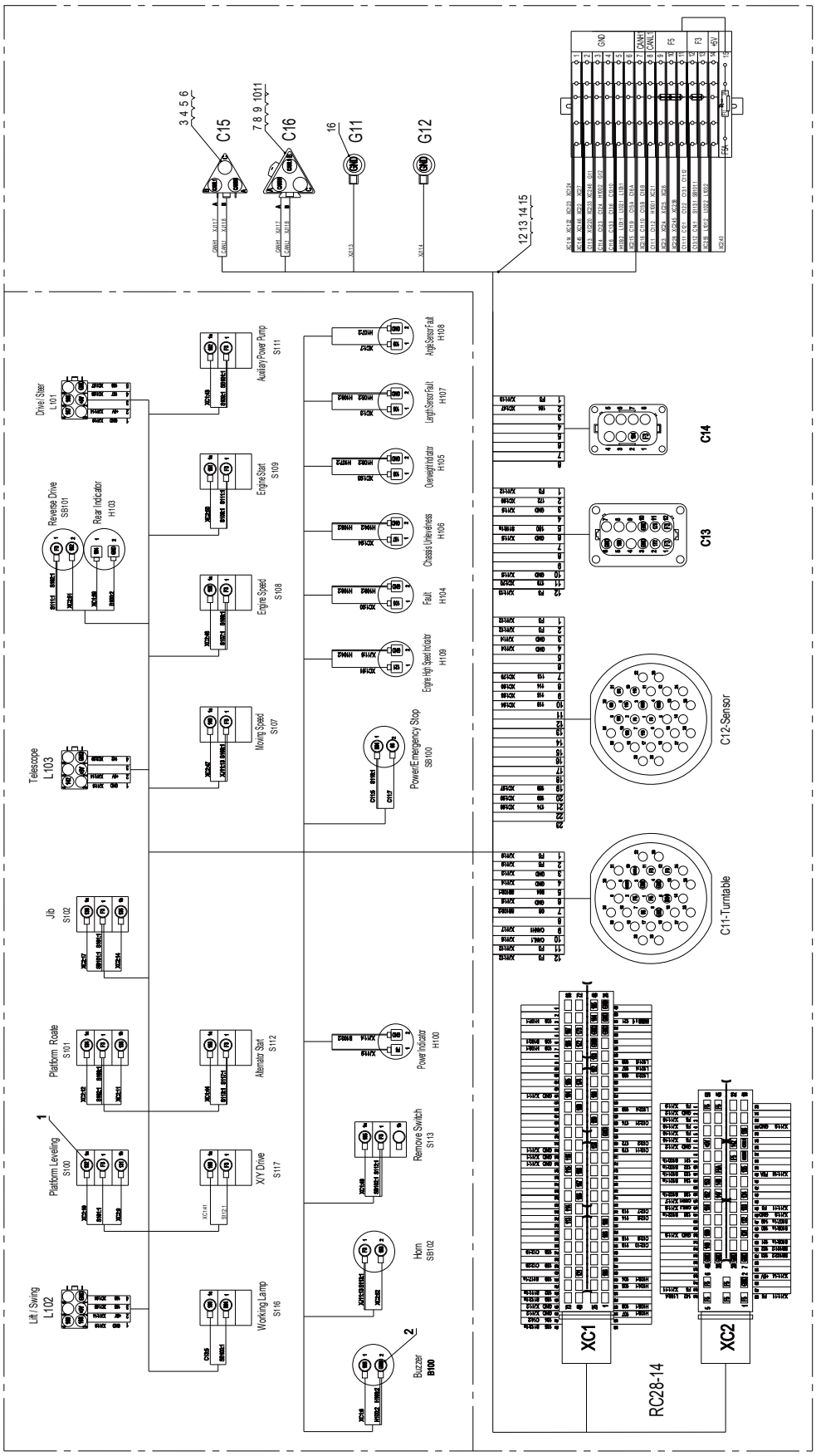
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Latch
3	203080000041	8	Terminal, female
4	203080000068	8	Blind plug
5	203080003001	1	Connector, 12 position, female
6	203080000037	1m	Pipe, corrugated
7	203080000562	2	Cable, thin wall (red)
8	203080000563	2	Cable, thin wall (black)
9	203080000564	1	Cable, thin wall (white)
10	203080003010	1	Nut, big-size
11	203080000403	1	Jacket
12	203080000157	1	Lock
13	203080000033	8	Terminal, male
14	203080000459	1	Connector, 12 position, male

7.1.13 PLATFORM SENSORS HARNESS (REXROTH)



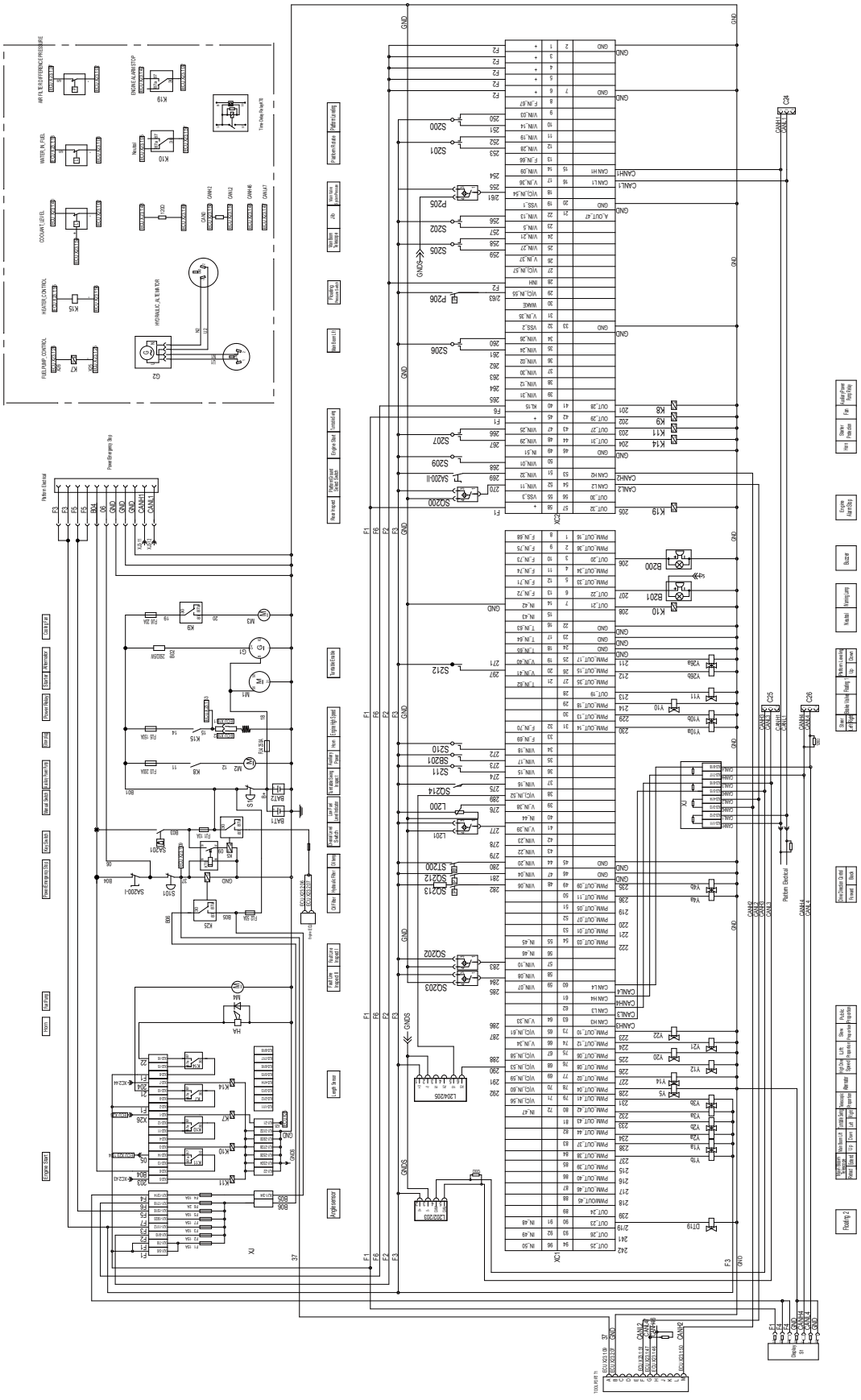
No.	Part No.	Qty.	Description
1	203080000414	1	Jacket
2	203080000159	1	Latch
3	203080000041	10	Terminal, female
4	203080000461	1	Connector, 12-pin, female
5	203080000424	6	Tube
6	203080000105	2	Terminal
7	203080000558	10	Cable, cable track
8	203080000406	1	Jacket
9	203080000068	10	Blind plug
10	203080000112	1	Lock
11	203080000449	1	Connector, 8 position, female
12	203080000408	3	Jacket
13	203080000021	3	Lock
14	203080000033	6	Terminal, male
15	203080000465	3	End clip, 2-pin, male

7.1.14 PLATFORM CONTROL BOX HARNESS (REXROTH)

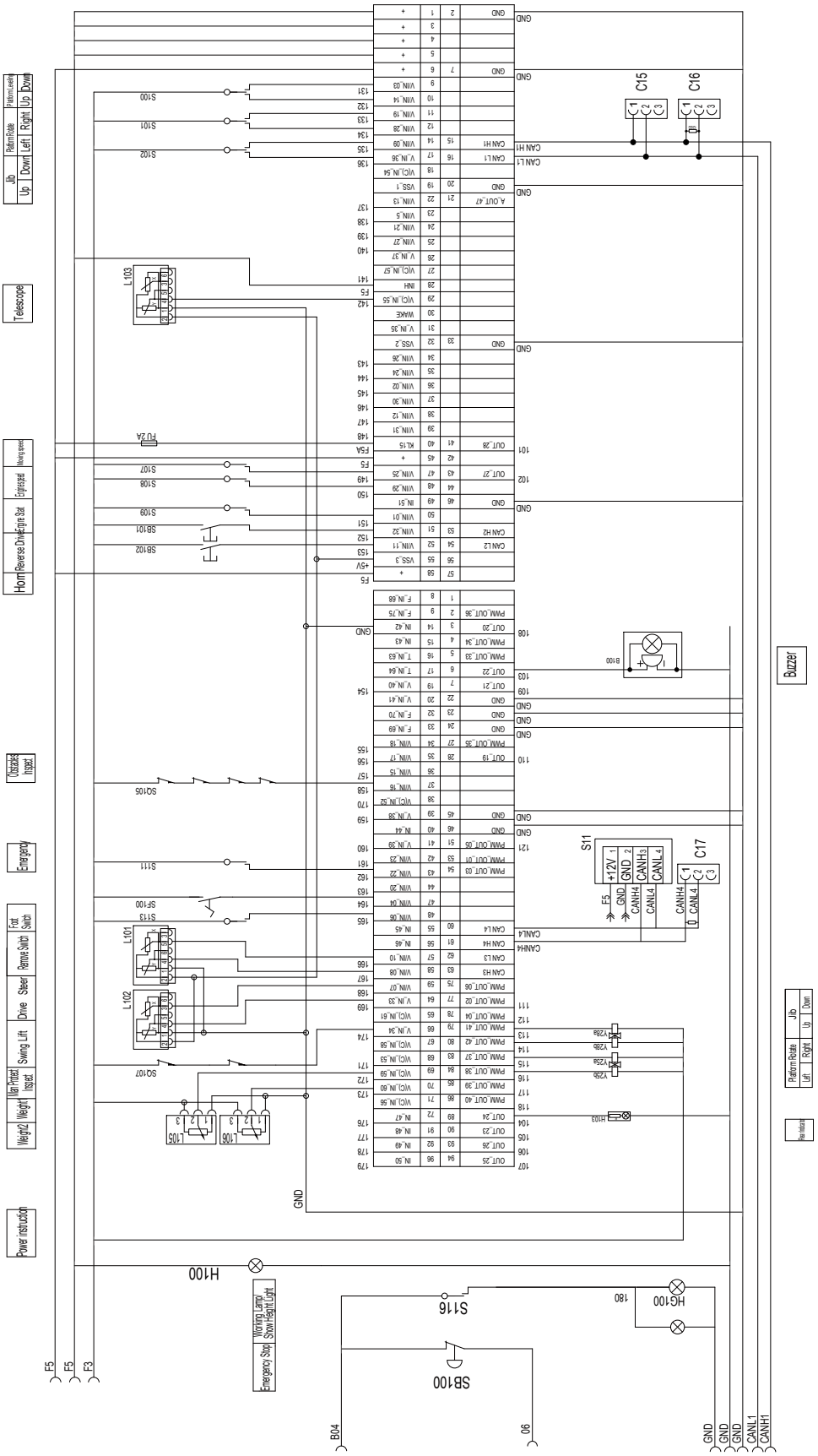


No.	Part No.	Qty.	Description
1	203080000023	28	Terminal
2	203080000032	1	Lock
3	203080000033	2	Terminal, male
4	203080000036	20	Terminal
5	203080000041	2	Terminal, female
6	203080000046	1	Lock
7	203080000068	2	Blind plug
8	203080000086	1	Connector
9	203080000133	2	Terminal, blade-hole type
10	203080000404	1	Jacket
11	203080000405	1	Jacket
12	203080000473	1	Cap, 3 position, female
13	203080000562	5	Cable, thin wall (red)
14	203080000563	7	Cable, thin wall (black)
15	203080000564	15	Cable, thin wall (white)
16	216020000020	30	Cable tie, nylon

7.1.15 TURNTABLE ELECTRICAL SCHEMATIC (REXROTH&DEUTZ)

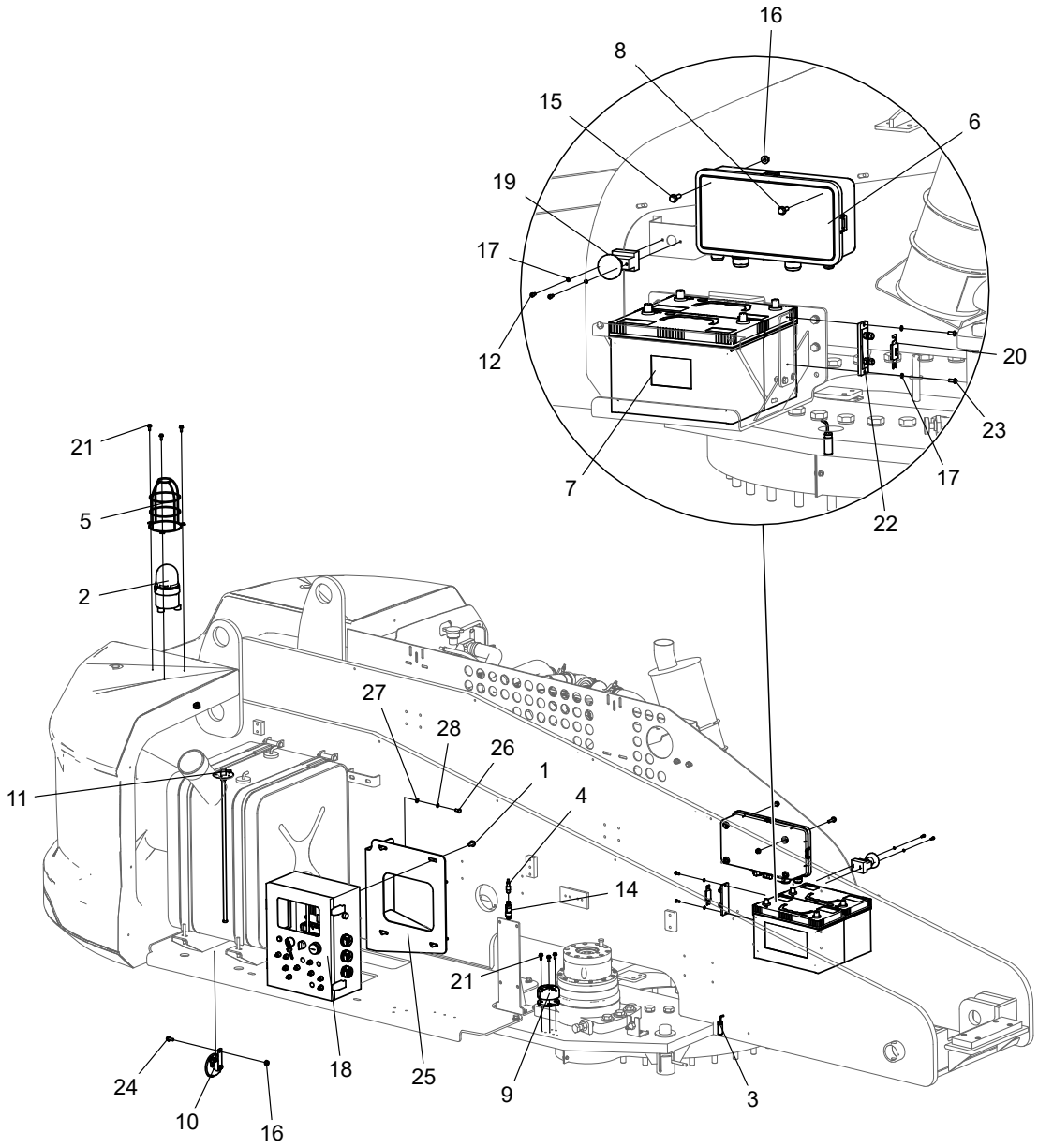


7.1.16 PLATFORM ELECTRICAL SCHEMATIC (REXROTH)



7.2 ELECTRICAL SYSTEM (REXROTH&CUMMINS)

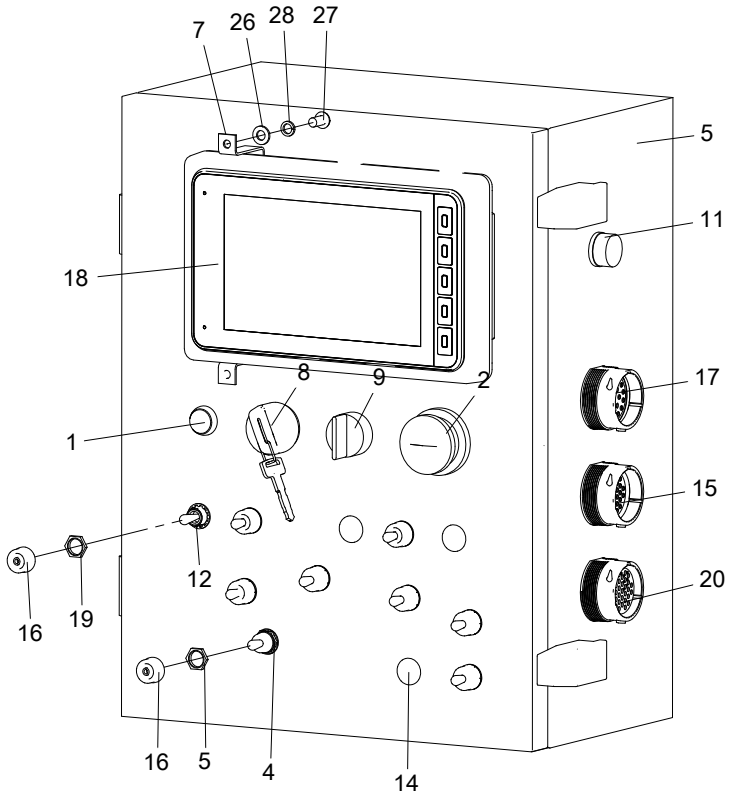
7.2.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (REXROTH&CUMMINS)

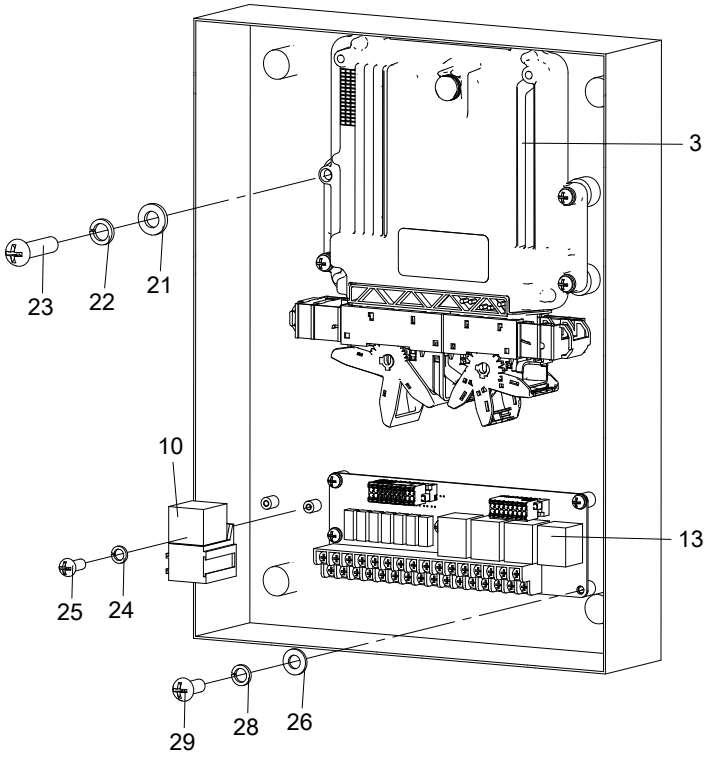


© Sep 2020

No.	Part No.	Qty.	Description
1	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
2	203050000060	1	Light, beacon
3	203150003010	1	Proximity switch
4	203080003094	1	Plug, with cable
5	105021060024	1	Guard, beacon light
6	203100003011	1	Power switch box
7	203100000061	2	Battery, maintenance-free
8	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
9	203060000111	1	Level sensor
10	203050000034	1	Horn
11	203150000006	1	Sensor, liquid level
12	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
13	216020000024	2	Retaning ring, SSG
14	203150000055	1	Pressure sensor
15	215010000236	1	Bolt M8×30-8.8-ZnD GB/T 5789
16	215030000108	2	Nut M8-8-ZnD GB/T 6183
17	215040000003	4	Washer 5-A2-70 GB/T 93
18	105031060032	1	Ground controller assembly
19	203060000024	1	Emergency stop switch
20	203070000048	1	Fuse
21	215010000230	6	Bolt M6×16-8.8-ZnD GB/T 5789
22	203070000056	1	Mount, fuse
23	215020000110	2	Screw M5×12-A2-70 GB/T 818
24	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
25	105025020046	1	Bracket, ground control box
26	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
27	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
28	215040000005	4	Washer 8-ZnD GB/T 93

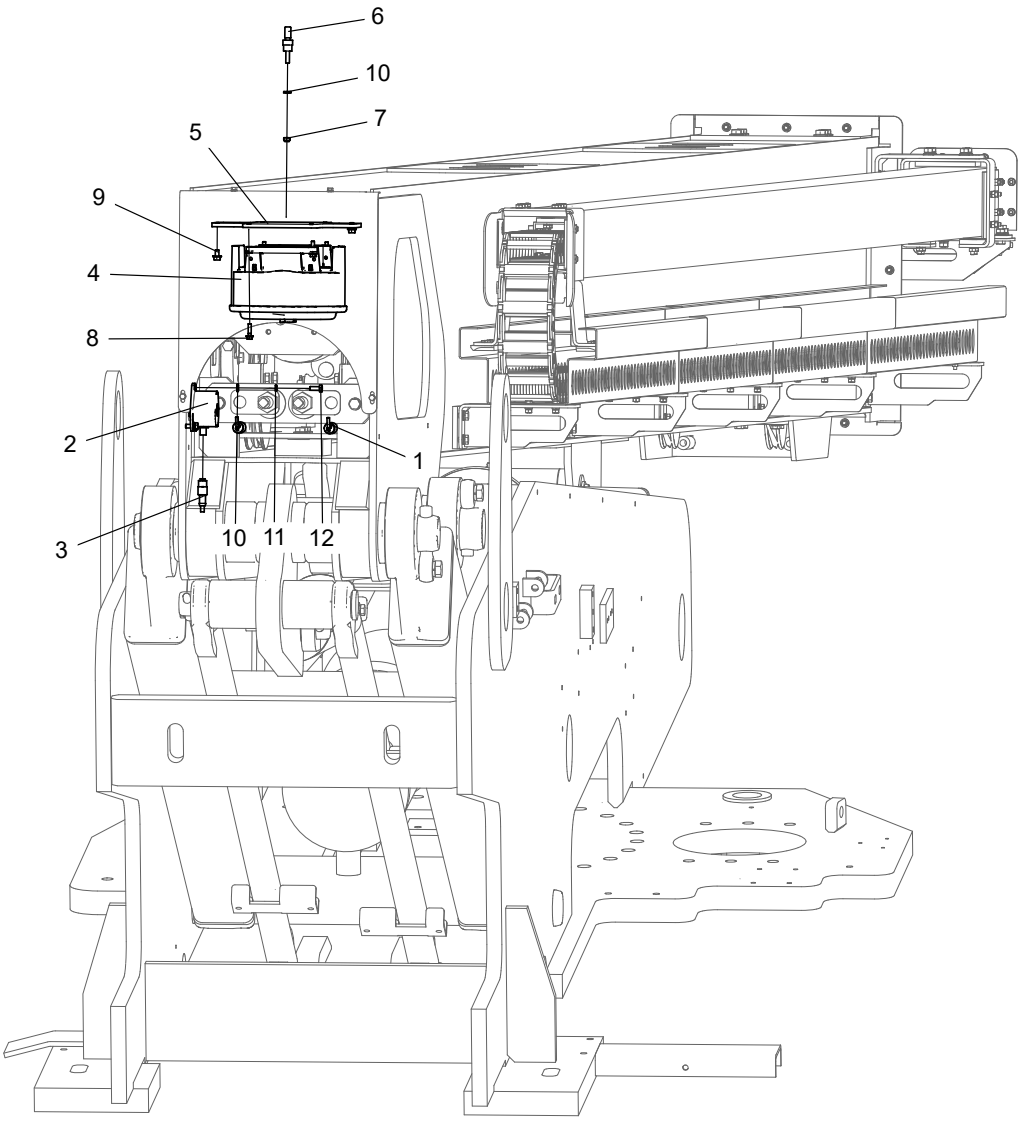
7.2.2 GROUND CONTROL BOX ASSEMBLY (PN.105031060032)





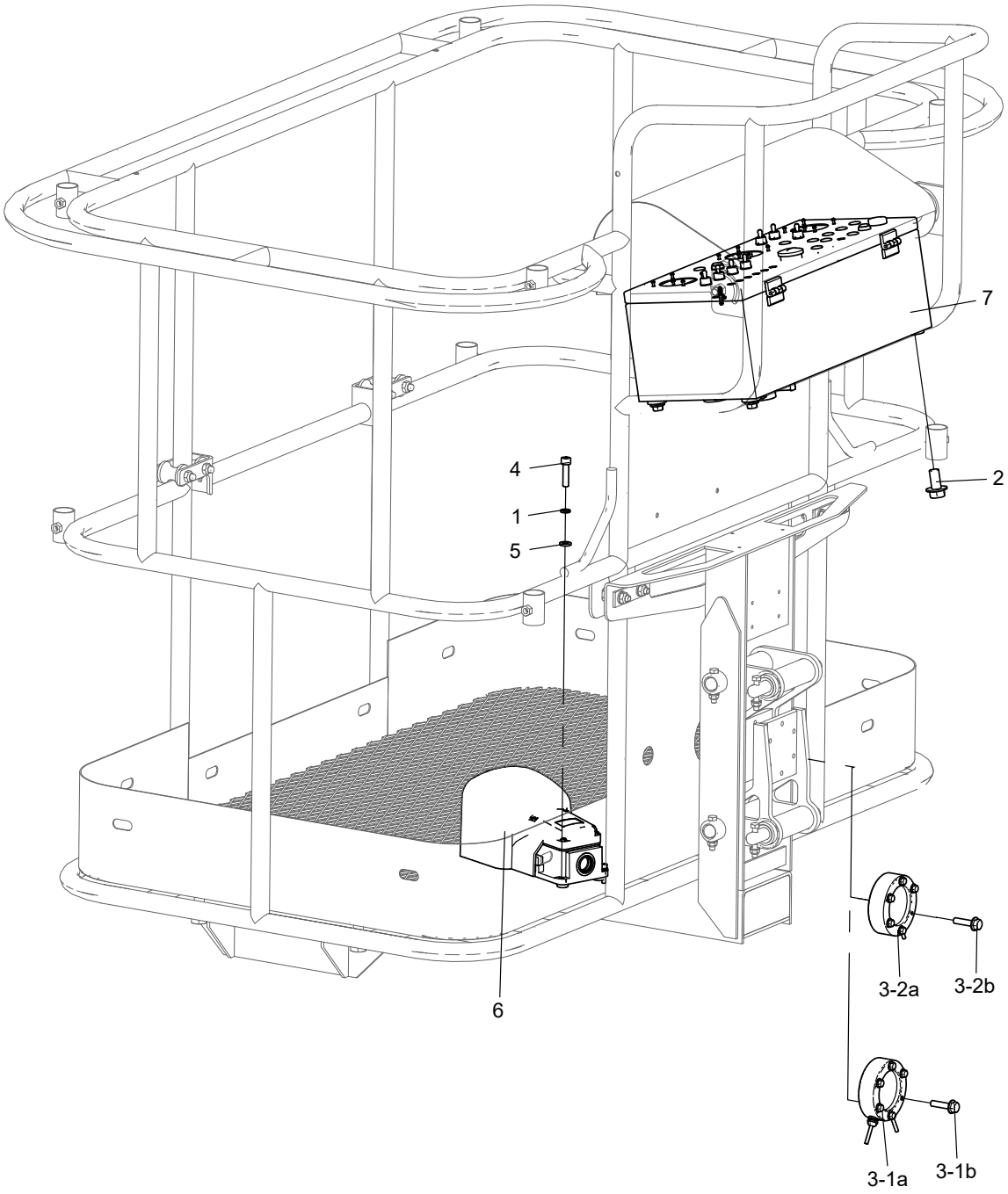
No.	Part No.	Qty.	Description
1	203060000020	1	Button, yellow
2	203060000142	1	Emergency stop switch
3	203020000038	1	Controller, ground control box
4	203060000003	6	Switch, toggle
5	105042060019	1	Ground control box
6	105029060005	1	Membrane, ground control box
7	105001060106	3	Retaining plate, display screen
8	203060000114	1	Key switch
9	203060000029	1	Select switch
10	203040003005	1	Delay relay
11	203050000005	1	Alarm
12	203060000021	3	Switch, toggle
13	203030000015	1	Integrated board, relay
14	105045060004	3	Plug, controller
15	203080000523	1	Connector, 31 position, male
16	203080000101	9	Cover, toggle switch
17	203080000518	1	Connector, 21 position, male
18	203200000004	1	Display screen
19	203080000109	9	Nut
20	203080000516	1	Connector, 31 position, female
21	215040000033	4	Washer 6-A2 GB/T 97.1
22	215040000004	4	Washer 6-A2-70 GB/T 93
23	215020000118	4	Screw M6×25-A2-70 GB/T 818
24	215040000002	1	Washer 4-A2-70 GB/T 93
25	215020000104	1	Screw M4×10-A2-70 GB/T 818
26	215040000032	11	Washer 5-A2 GB/T 97.1
27	215020000109	6	Screw M5×10-A2-70 GB/T 818
28	215040000003	11	Washer 5-A2-70 GB/T 93
29	215020000110	5	Screw M5×12-A2-70 GB/T 818

7.2.3 BOOM ELECTRICAL COMPONENTS INSTALLATION (REXROTH)



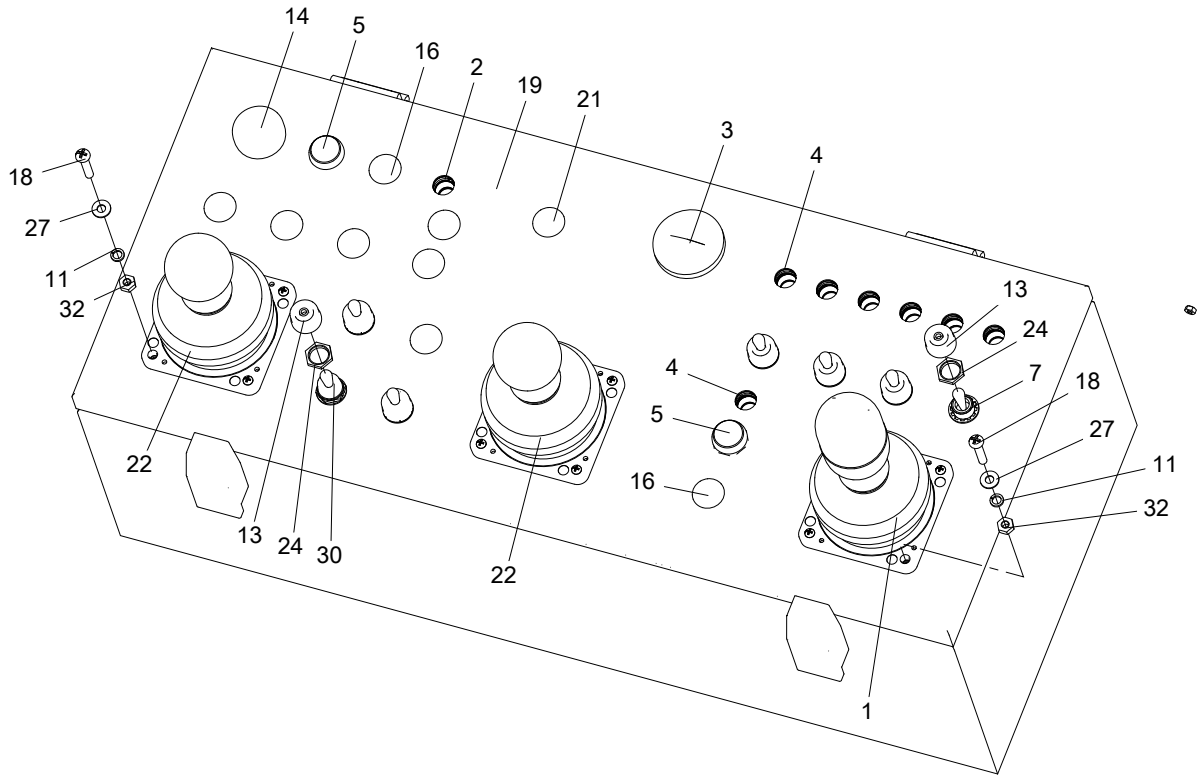
No.	Part No.	Qty.	Description
1	203150003010	2	Proximity switch
2	203150000058	1	Sensor, CAN bus
3	203080003094	1	Plug, with cable
4	203150000051	1	Length sensor
5	105001010254	1	Mount, length sensor
6	105001060075	1	Thread rod, for length sensor
7	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
8	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
9	215010000229	2	Bolt M6×10-8.8-ZnD GB/T 5789
10	215040000033	4	Washer 6-A2 GB/T 97.1
11	215040000004	3	Washer 6-A2-70 GB/T 93
12	215010000050	3	Bolt M6×16-A2-70 GB/T 5783

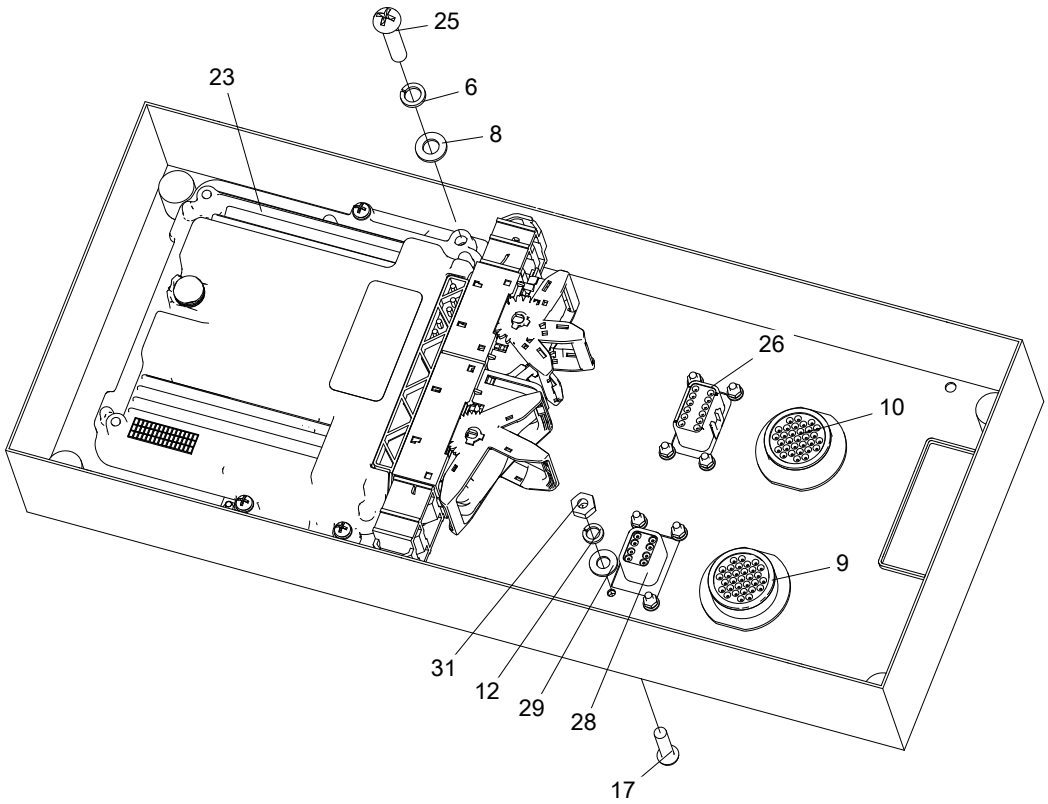
7.2.4 PLATFORM ELECTRICAL COMPONENTS INSTALLATION (REXROTH)



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	1	Load sensor options
3-1	103006060026	1	Load sensor, dual-channel
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, single-channel
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	105031060023	1	Platform controller assembly

7.2.5 PLATFORM CONTROL BOX ASSEMBLY (PN.105031060023)

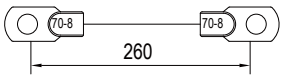




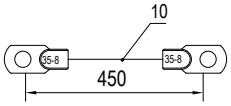
No.	Part No.	Qty.	Description
1	203060000017	1	Joystick
2	203050003014	1	Indicator light
3	203060000142	1	Emergency stop switch
4	203050003015	7	Indicator light
5	203060000020	2	Button, yellow
6	215040000003	4	Washer 5-A2-70 GB/T 93
7	203060000021	4	Switch, toggle
8	215040000032	4	Washer 5-A2 GB/T 97.1
9	203080000523	1	Connector, 31 position, male
10	203080000516	1	Connector, 31 position, female
11	215040000001	12	Washer 3-A2-70 GB/T 93
12	215040000002	8	Washer 4-A2-70 GB/T 93
13	203080000101	7	Cover, toggle switch
14	203050000006	1	Alarm
15	105029060025	1	PC film, platform controller(Not shown)
16	105045060004	8	Plug, controller
17	215020000106	8	Screw M4×16-A2-70 GB/T 818
18	215020000102	12	Screw M3×16-A2-70 GB/T 818
19	105042060017	1	Platform control box
20	105029060006	1	Film, platform controller(Not shown)
21	105045060005	1	Plug, controller
22	203060000049	2	Joystick
23	203020000038	1	Controller, ground control box
24	203080000109	7	Nut
25	215020000113	4	Screw M5×25-A2-70 GB/T 818
26	203060000090	1	Connector, 12 position, with flange
27	215040000030	12	Washer 3-A2 GB/T 97.1
28	203060000088	1	Connector, 8 position, with flange
29	215040000031	8	Washer 4-A2 GB/T 97.1
30	203060000003	3	Switch, toggle
31	215030000002	8	Nut M4-8-A2-70 GB/T 6170
32	215030000001	12	Nut M3-A2-70 GB/T 6170

7.2.6 POWER CABLE KIT (CUMMINS)

BAT1- – BAT2- (black)

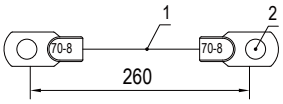


Manual Switch – Power Box B01(red)

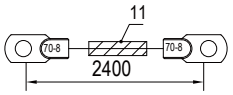


Add PVC sheath at the one end , red

BAT1+ – BAT2+ (red)

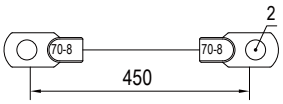


FU4 – Starter 50(red)

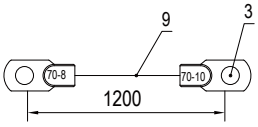


Add PVC sheath at the one end , red

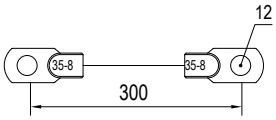
BAT1+ – FU4



BAT2- – GND (black)

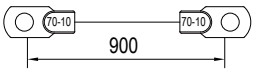


BAT1+ – Manual Switch (red)

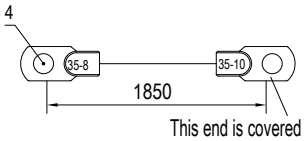


Add PVC sheath at the one end , red

Engine – GND (black)

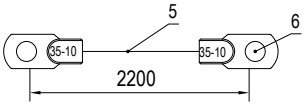


Power Box 12 – Auxiliary Pump (red)



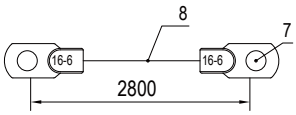
This end is covered with PVC sheath , red

Auxiliary Pump- – GND (black)



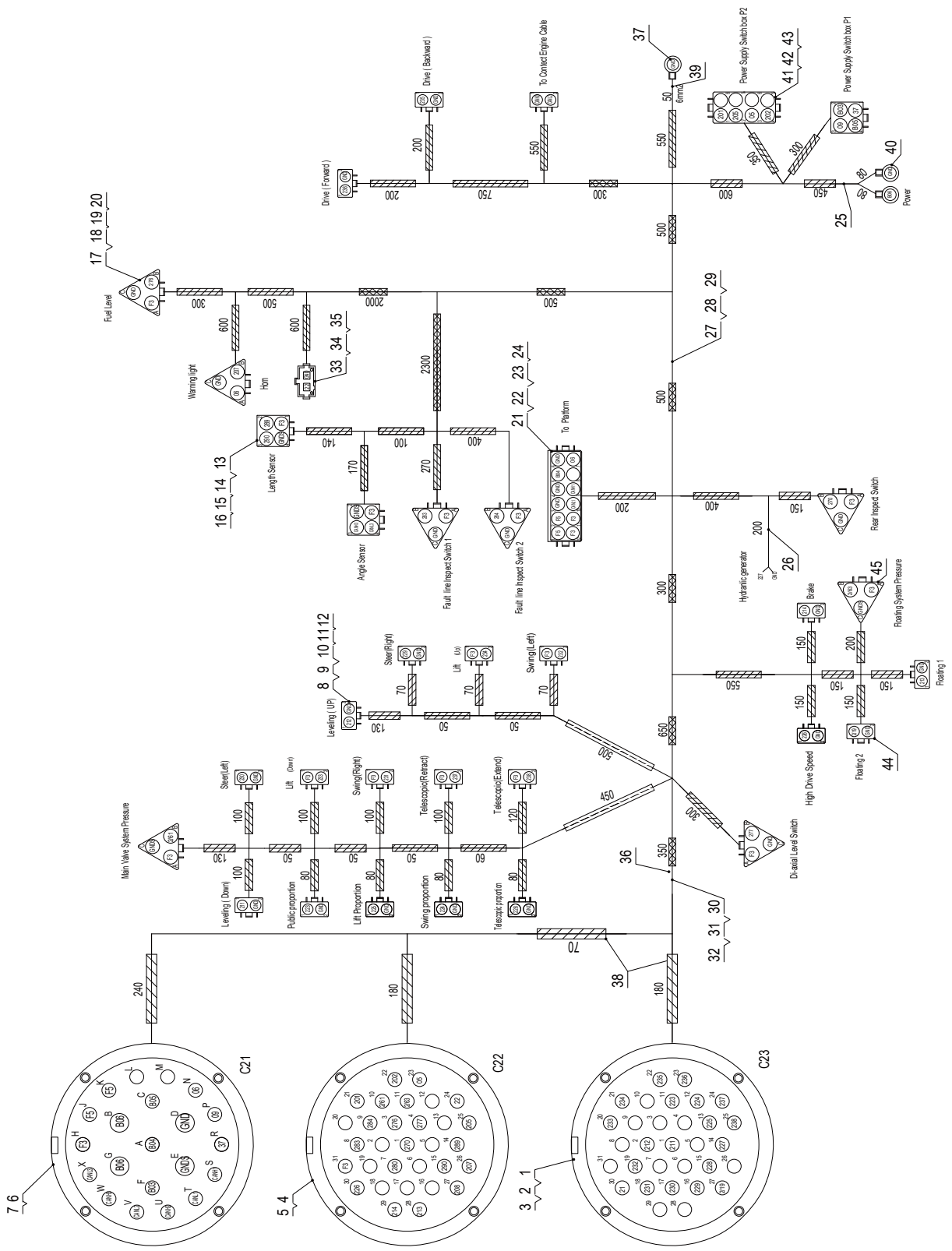
Add PVC sheath at the one end , black

Power Box 15 – Engine Glow plug+ (red)



No.	Part No.	Qty.	Description
1	203080000578	3	Cable (red)
2	203080000581	9	Cable lug, copper
3	203080000574	3	Cable lug, copper
4	203080000038	5	Cable lug, copper
5	203080000580	2	Cable (black)
6	203080000045	3	Cable lug, copper
7	203080000260	2	Cable lug, copper
8	203080000115	3	Cable
9	203080000573	2	Cable (black)
10	203080000579	3	Cable (red)
11	203080000422	8	Nylon hose, open-end
12	203080000004	5	Jacket, PVC

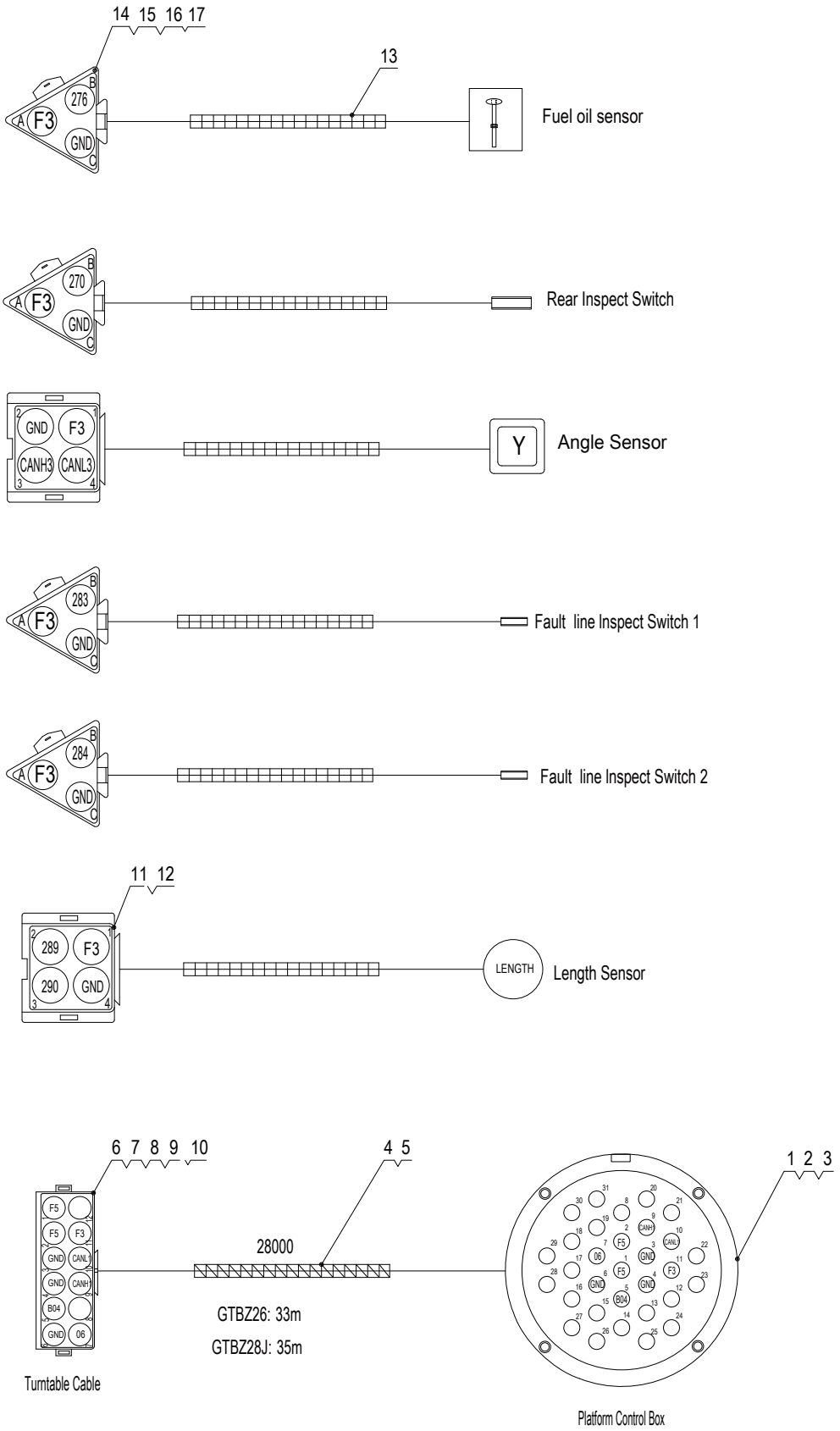
7.2.7 TURNTABLE HARNESS (REXROTH&CUMMINS)



No.	Part No.	Qty.	Description
	105031060028	1	Wiring harness, turntable
1	203080000515	1	Terminal jacket, 31-pin, male
2	203060000096	3	End clip, 180 deg.
3	203080000519	18	Terminal, male
4	203080000520	1	Terminal jacket, 31-pin, female
5	203080000524	34	Terminal, female
6	203080000517	1	terminal jacket, 21-pin, female
7	203080000521	4	Terminal, female
8	203080000410	21	Jacket
9	203080000016	21	Lock
10	203080000041	89	Terminal, female
11	203080000437	21	End attachments, 2-pin, female
12	203080000448	21	Rubber, 2-pin
13	203080000044	3	Jacket
14	203080000020	3	Lock
15	203080000445	3	End attachments, 4-pin, female
16	203080000446	3	Rubber, 4-pin
17	203080000404	6	Jacket
18	203080000032	6	Lock
19	203080000442	6	End attachments, 3-pin, female
20	203080000458	6	Rubber, 3-pin
21	203080000414	1	Jacket
22	203080000159	1	Latch
23	203080000068	33	Blind plug
24	203080000461	1	Connector, 12-pin, female
25	203080000161	3	Cable
26	203080000035	1	Pipe, heat-shrink
27	203080000463	7	Hose, nylon, closed-end
28	203080000422	5	Nylon hose, open-end
29	203080000037	2	Pipe, corrugated
30	203080000564	150	Cable, thin wall (white)
31	203080000563	60	Cable, thin wall (black)
32	203080000562	30	Cable, thin wall (red)
33	203080000427	1	Jacket
34	203080000428	2	Pin, female
35	203080000429	1	Cap, waterproof

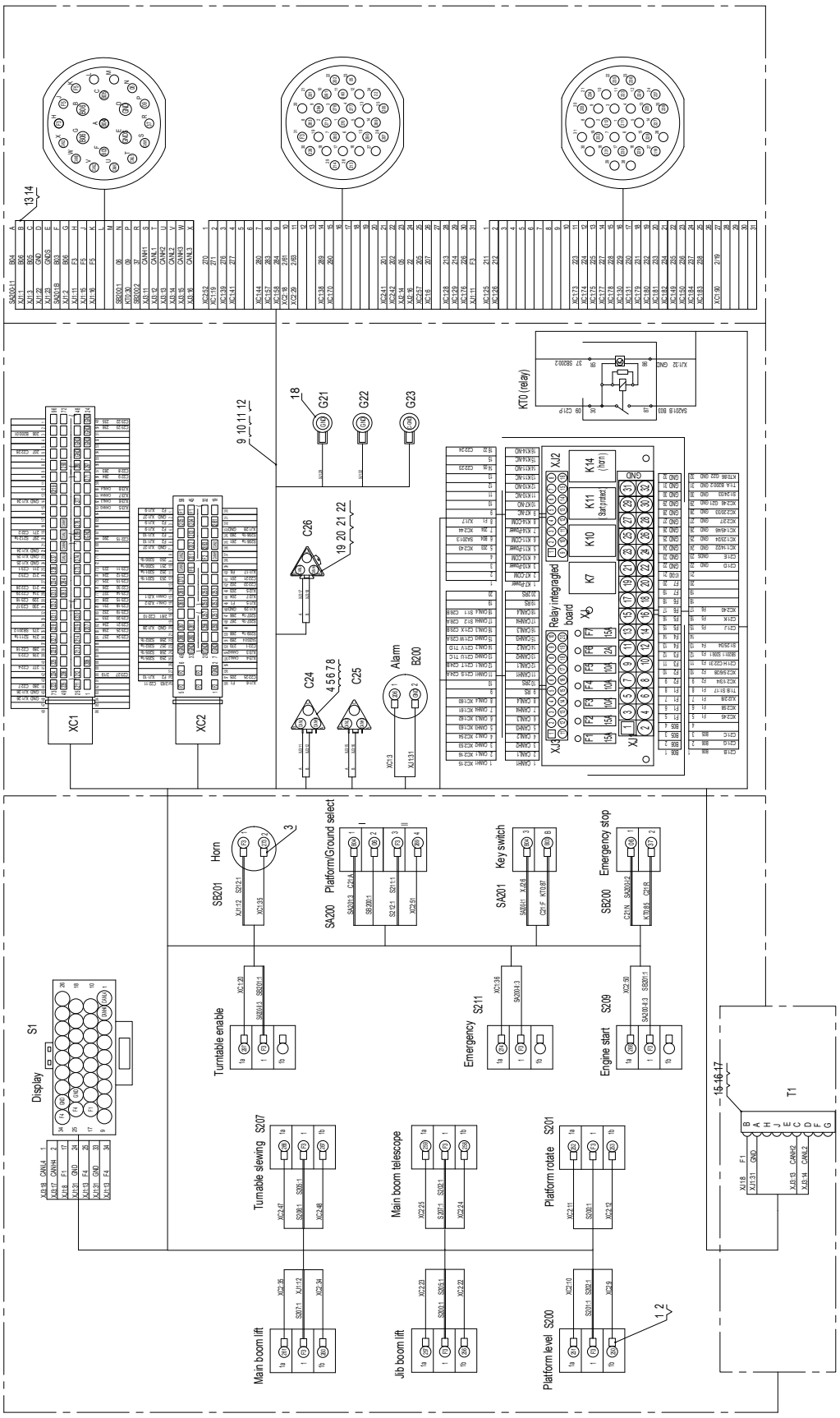
No.	Part No.	Qty.	Description
36	203080000135	1	Corrugated pipe (Black)
37	203080000244	1	Terminal, round top insulated
38	203080000417	1	Nylon hose, closed-end
39	203080000191	4	Cable
40	203080000134	2	Terminal, blade-hole type
41	203080000406	1	Jacket
42	203080000112	1	Lock
43	203080000449	1	Connector, 8 position, female
44	203080000474	1	Cover, waterproof, 2-pin, female
45	203080000473	1	Cap, 3 position, female

7.2.8 TURNTABLE SENSORS HARNESS (REXROTH)



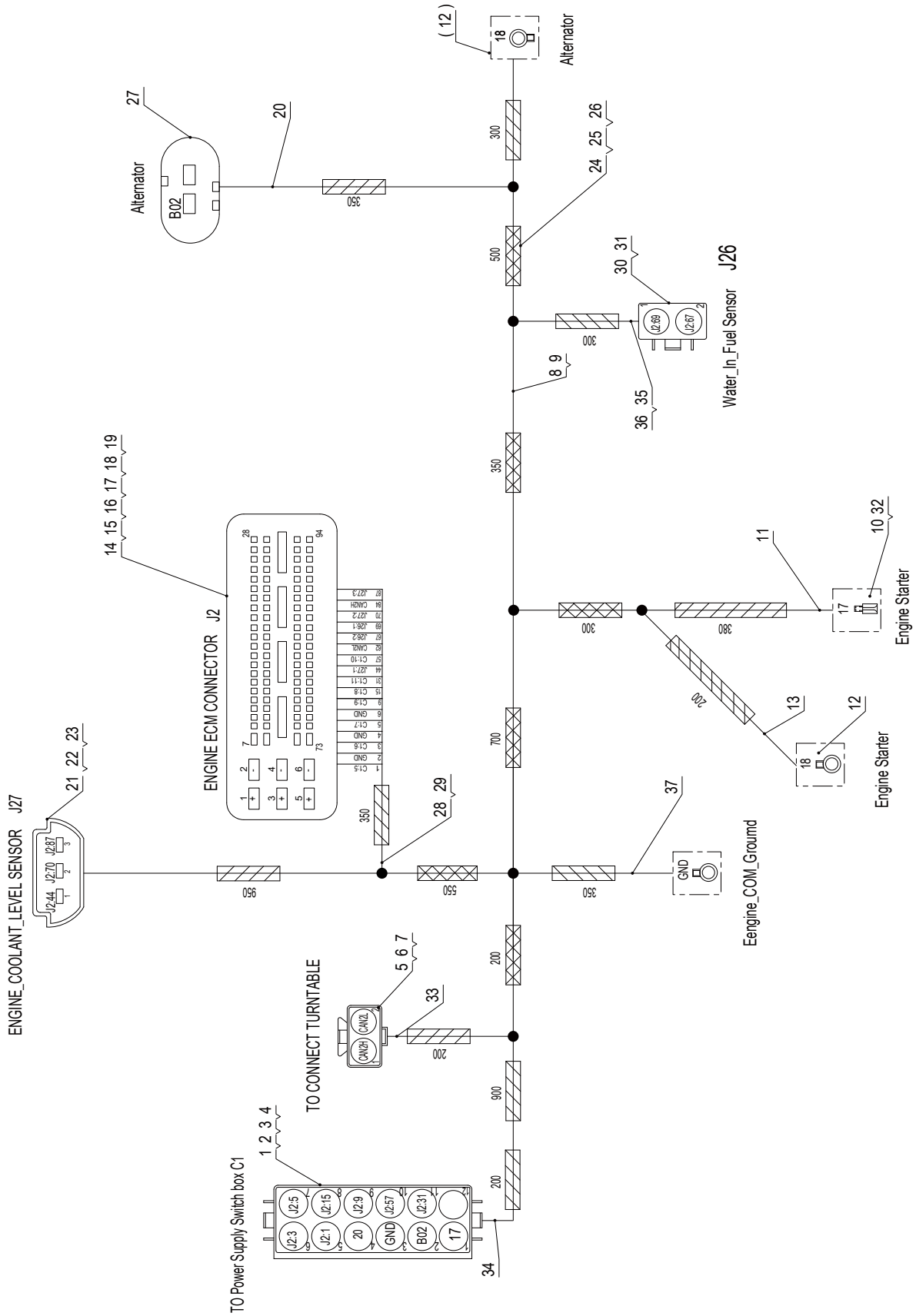
No.	Part No.	Qty.	Description
1	203080000520	1	Terminal jacket, 31-pin, female
2	203060000096	1	End clip, 180 deg.
3	203080000524	10	Terminal, female
4	203080000560	35	Cable, cable track
5	203080000555	35	Cable, CAN bus, cable track
6	203080000403	1	Jacket
7	203080000157	1	Lock
8	203080000033	30	Terminal, male
9	203080000068	23	Blind plug
10	203080000459	1	Connector, 12 position, male
11	203080000054	2	Jacket
12	203080000088	2	Lock
13	203080000463	2	Hose, nylon, closed-end
14	203080000405	4	Jacket
15	203080000046	4	Lock
16	203080000035	1	Pipe, heat-shrink
17	203080000466	4	End clip, 3-pin, male

7.2.9 GROUND CONTROL BOX HARNESS (REXROTH&CUMMINS)



No.	Part No.	Qty.	Description
1	203080000036	36	Terminal
2	203080000022	1	Heat shrink
3	203080000023	4	Terminal
4	203080000041	4	Terminal, female
5	203080000068	8	Blind plug
6	203080000032	2	Lock
7	203080000404	2	Jacket
8	203080000473	2	Cap, 3 position, female
9	203080000564	15	Cable, thin wall (white)
10	203080000562	5	Cable, thin wall (red)
11	203080000563	7	Cable, thin wall (black)
12	216020000020	30	Cable tie, nylon
13	203080000047	1	Cable
14	203080000196	1	Cable
15	203080000334	1	Socket, 9-pin diagnostic interface
16	203080000326	1	Latch
17	203080000327	4	Pin
18	203080000133	3	Terminal, blade-hole type
19	203080000405	1	Jacket
20	203080000046	1	Lock
21	203080000033	2	Terminal, male
22	203080000086	1	Connector

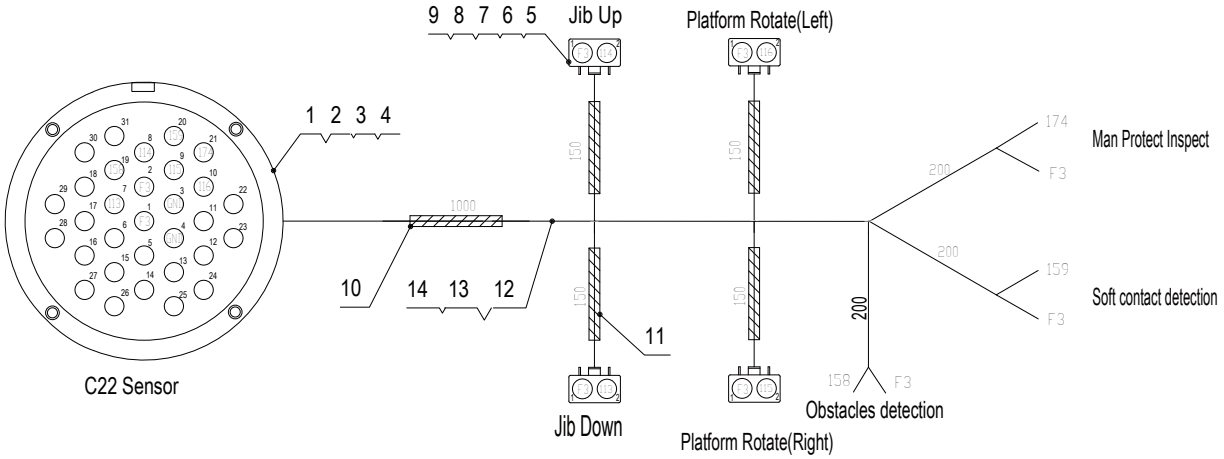
7.2.10 CUMMINS ENGINE HARNESS



No.	Part No.	Qty.	Description
	105031060010	1	Wiring harness, Cummins engine
1	203080000414	1	Jacket
2	203080000159	1	Latch
3	203080000041	12	Terminal, female
4	203080000068	2	Blind plug
5	203080000408	1	Jacket
6	203080000021	1	Lock
7	203080000033	2	Terminal, male
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	Terminal, 94-pin
15	203080000325	6	Pin
16	203080000333	11	Pin
17	203080000322	6	Seal ring
18	203080000324	73	Blind plug, small
19	203080000328	4	Blind plug, big
20	203080000035	1	Pipe, heat-shrink
21	203080000331	1	Terminal
22	203080000323	3	Pin
23	203080000332	1	Seal plug
24	203080000037	2	Pipe, corrugated
25	203080000422	1	Nylon hose, open-end
26	203080000463	2	Hose, nylon, closed-end
27	203080000329	1	Plug, generator
28	203080000369	6	Cable
29	203080000582	8	Cable
30	203080000410	1	Jacket
31	203080000016	1	Lock
32	203080000129	1	Jacket, flexible
33	203080000465	1	End clip, 2-pin, male
34	203080000461	1	Connector, 12-pin, female
35	203080000437	1	End attachments, 2-pin, female

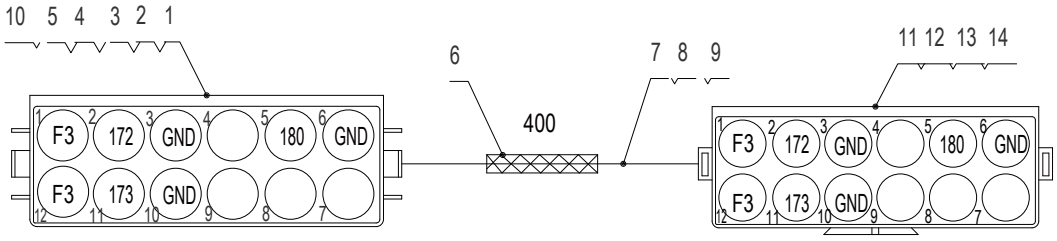
No.	Part No.	Qty.	Description
36	203080000448	1	Rubber, 2-pin
37	203080000191	1	Cable

7.2.11 PLATFORM HARNESS (REXROTH)



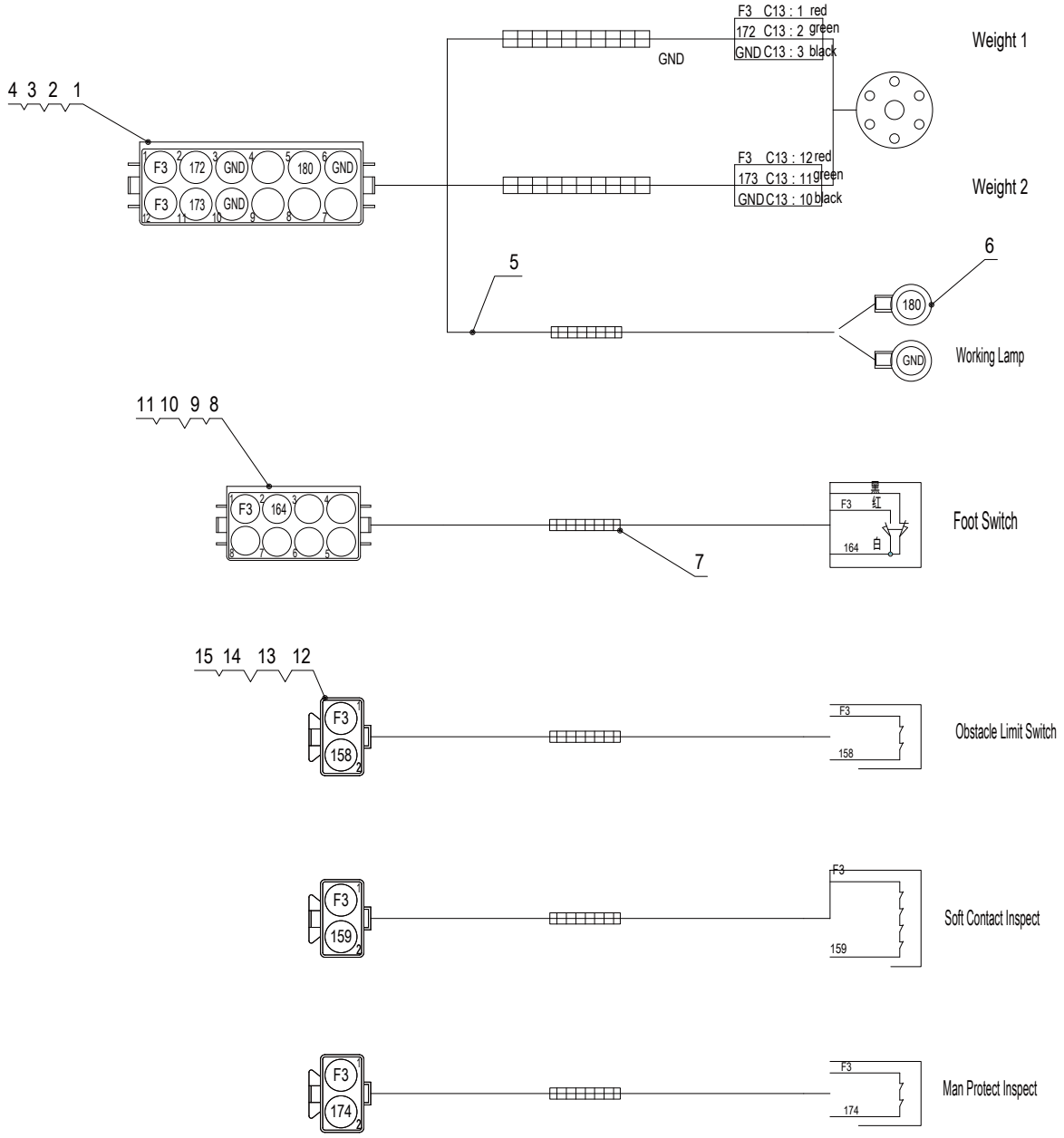
No.	Part No.	Qty.	Description
	105031060018	1	Platform wiring harness
1	203080000515	1	Terminal jacket, 31-pin, male
2	203080000068	20	Blind plug
3	203080000519	11	Terminal, male
4	203060000096	1	End clip, 180 deg.
5	203080000410	4	Jacket
6	203080000016	4	Lock
7	203080000041	8	Terminal, female
8	203080000437	4	End attachments, 2-pin, female
9	203080000448	4	Rubber, 2-pin
10	203080000419	1	Tube
11	203080000463	1	Hose, nylon, closed-end
12	203080000564	7	Cable, thin wall (white)
13	203080000563	1	Cable, thin wall (black)
14	203080000562	5	Cable, thin wall (red)

7.2.12 PLATFORM HARNESS 2



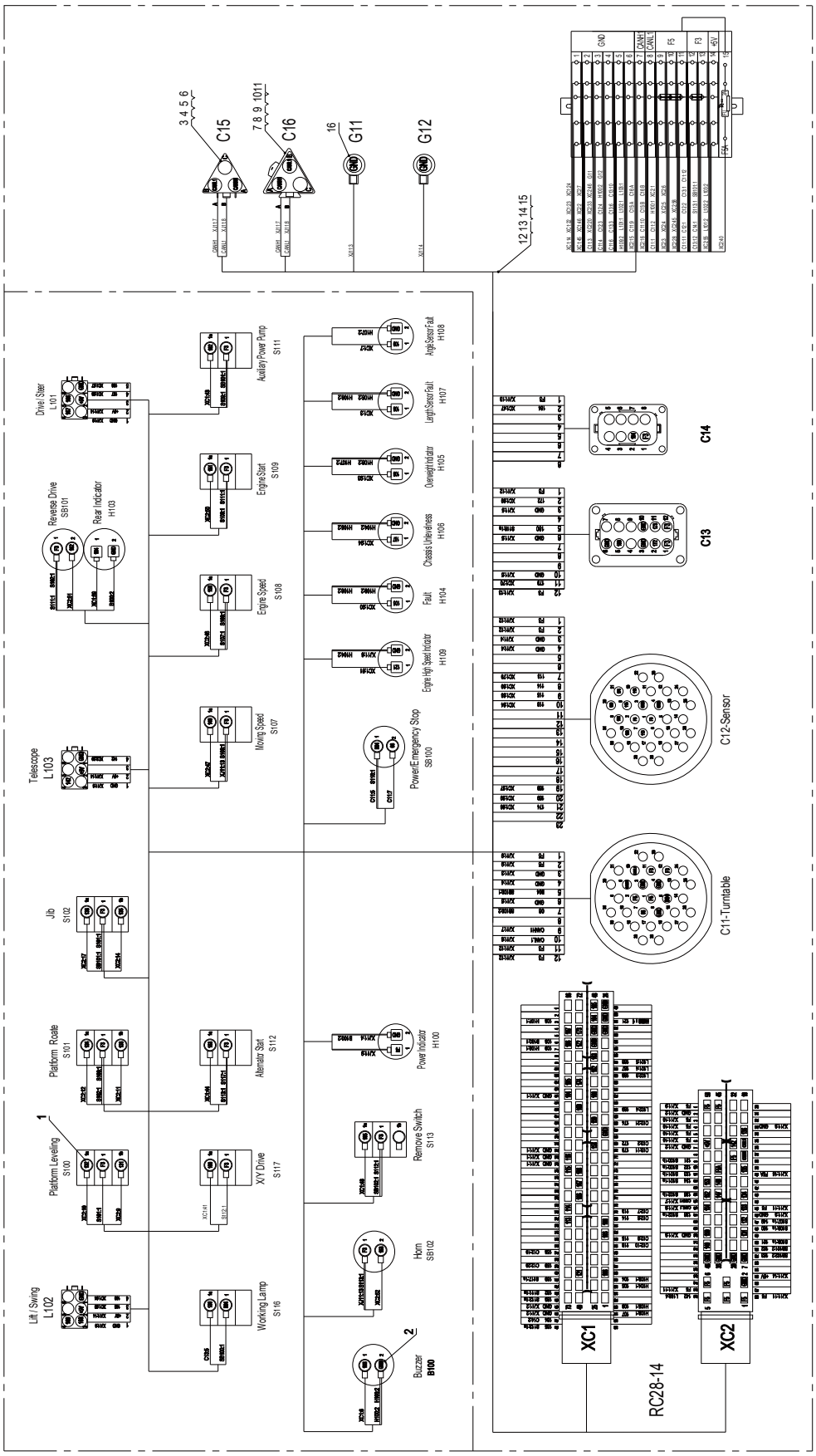
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Latch
3	203080000041	8	Terminal, female
4	203080000068	8	Blind plug
5	203080003001	1	Connector, 12 position, female
6	203080000037	1m	Pipe, corrugated
7	203080000562	2	Cable, thin wall (red)
8	203080000563	2	Cable, thin wall (black)
9	203080000564	1	Cable, thin wall (white)
10	203080003010	1	Nut, big-size
11	203080000403	1	Jacket
12	203080000157	1	Lock
13	203080000033	8	Terminal, male
14	203080000459	1	Connector, 12 position, male

7.2.13 PLATFORM SENSORS HARNESS (REXROTH)



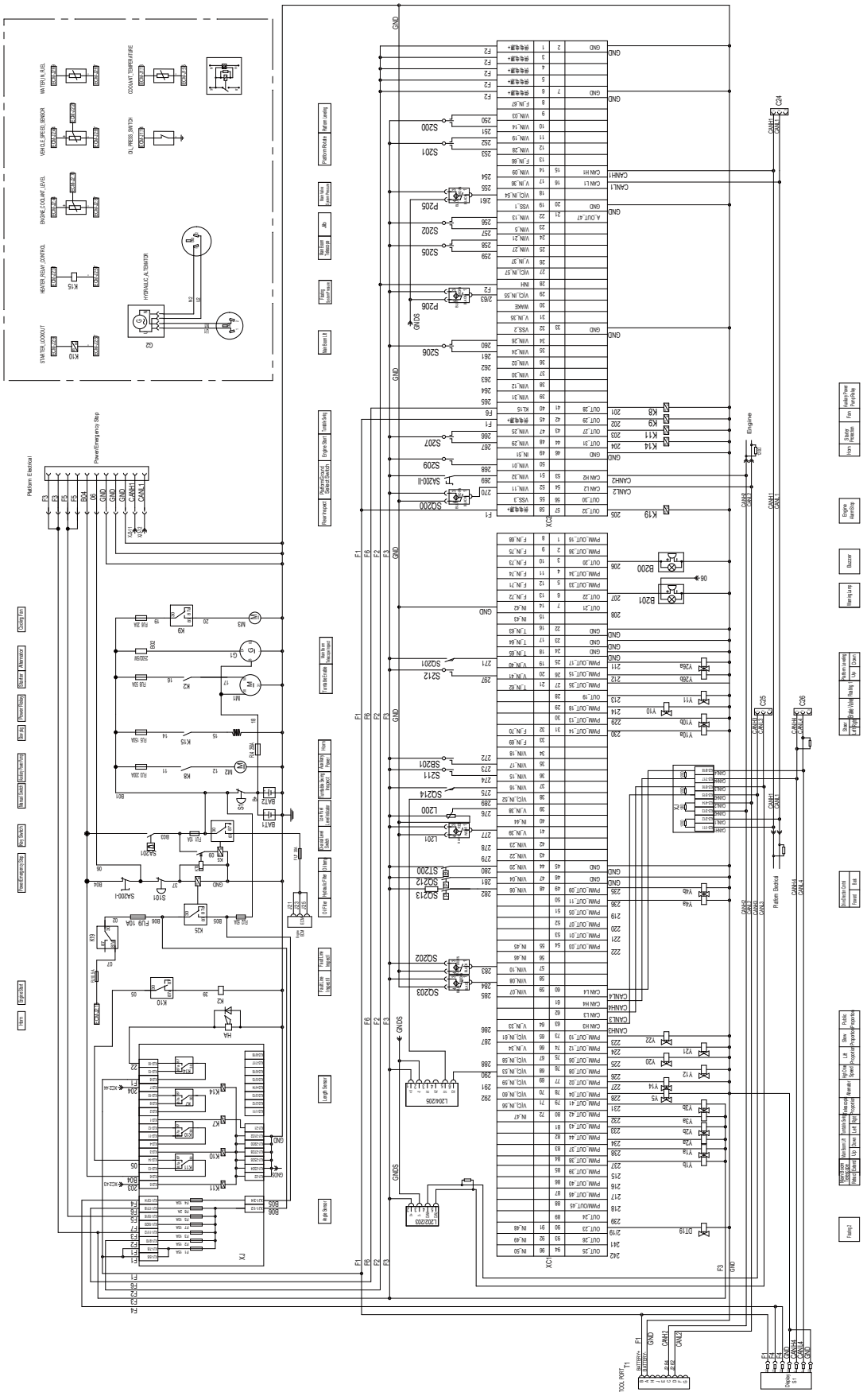
No.	Part No.	Qty.	Description
1	203080000414	1	Jacket
2	203080000159	1	Latch
3	203080000041	10	Terminal, female
4	203080000461	1	Connector, 12-pin, female
5	203080000424	6	Tube
6	203080000105	2	Terminal
7	203080000558	10	Cable, cable track
8	203080000406	1	Jacket
9	203080000068	10	Blind plug
10	203080000112	1	Lock
11	203080000449	1	Connector, 8 position, female
12	203080000408	3	Jacket
13	203080000021	3	Lock
14	203080000033	6	Terminal, male
15	203080000465	3	End clip, 2-pin, male

7.2.14 PLATFORM CONTROL BOX HARNESS (REXROTH)

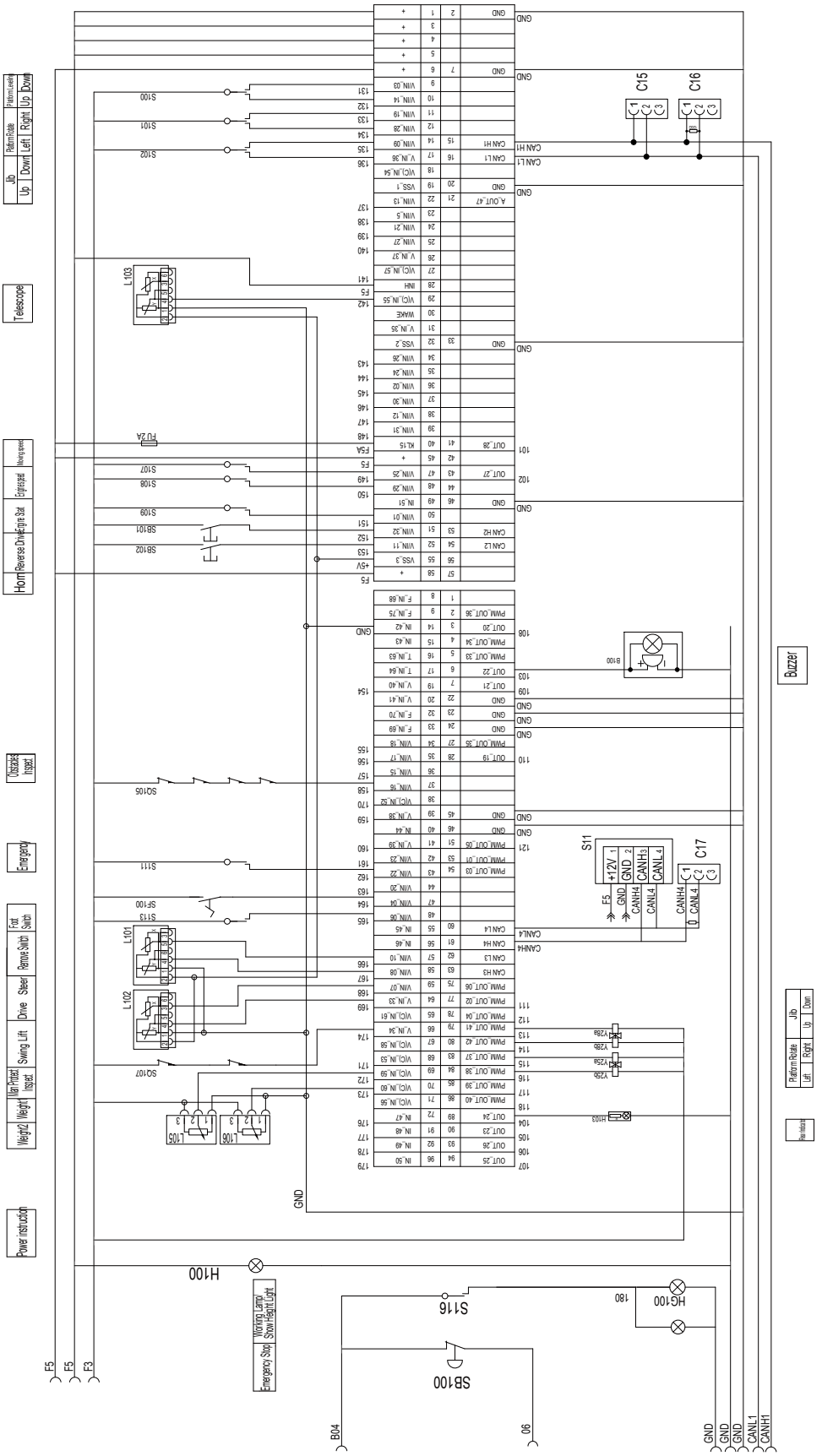


No.	Part No.	Qty.	Description
1	203080000023	28	Terminal
2	203080000032	1	Lock
3	203080000033	2	Terminal, male
4	203080000036	20	Terminal
5	203080000041	2	Terminal, female
6	203080000046	1	Lock
7	203080000068	2	Blind plug
8	203080000086	1	Connector
9	203080000133	2	Terminal, blade-hole type
10	203080000404	1	Jacket
11	203080000405	1	Jacket
12	203080000473	1	Cap, 3 position, female
13	203080000562	5	Cable, thin wall (red)
14	203080000563	7	Cable, thin wall (black)
15	203080000564	15	Cable, thin wall (white)
16	216020000020	30	Cable tie, nylon

7.2.15 TURNTABLE ELECTRICAL SCHEMATIC (REXROTH&CUMMINS)

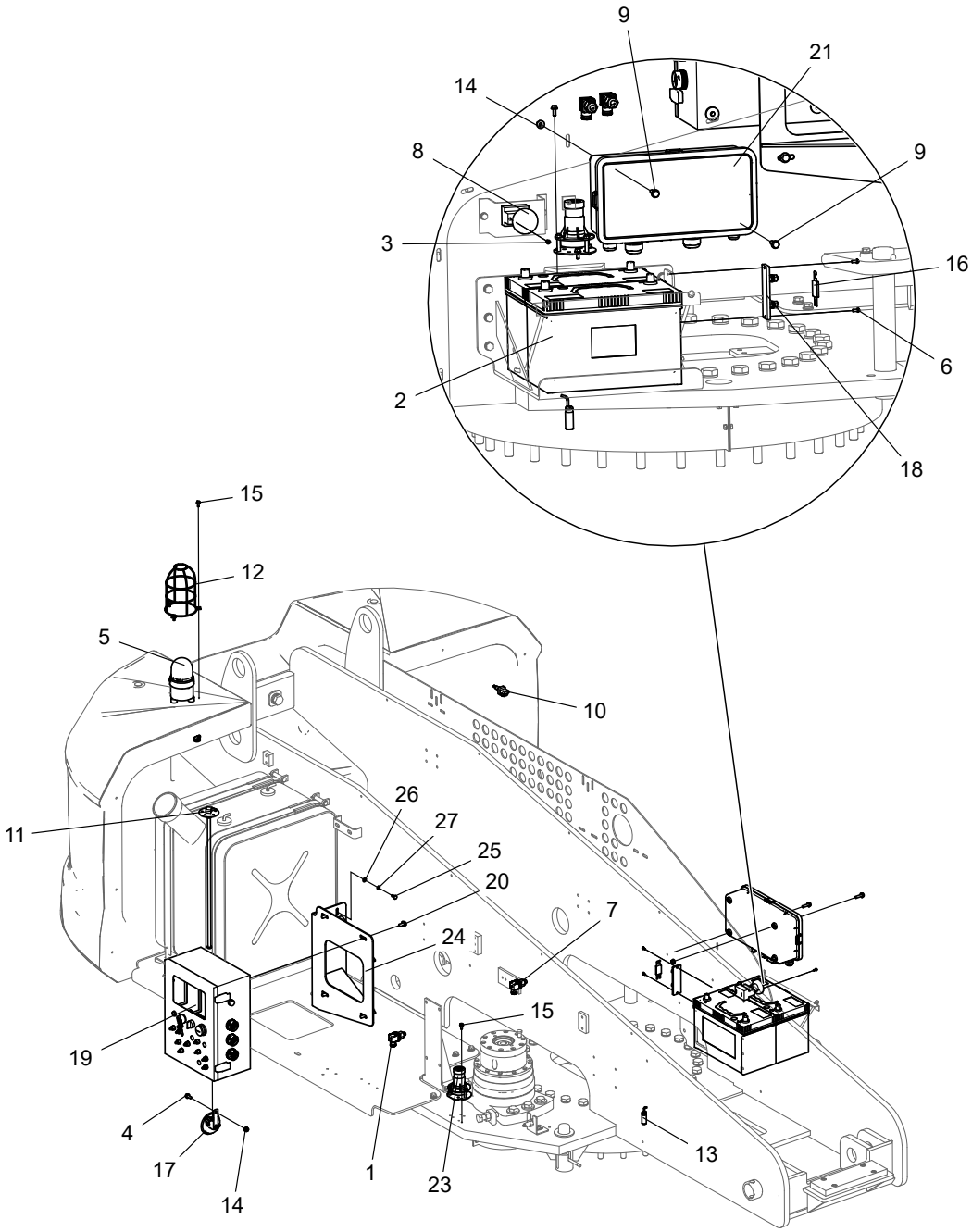


7.2.16 PLATFORM ELECTRICAL SCHEMATIC (REXROTH)



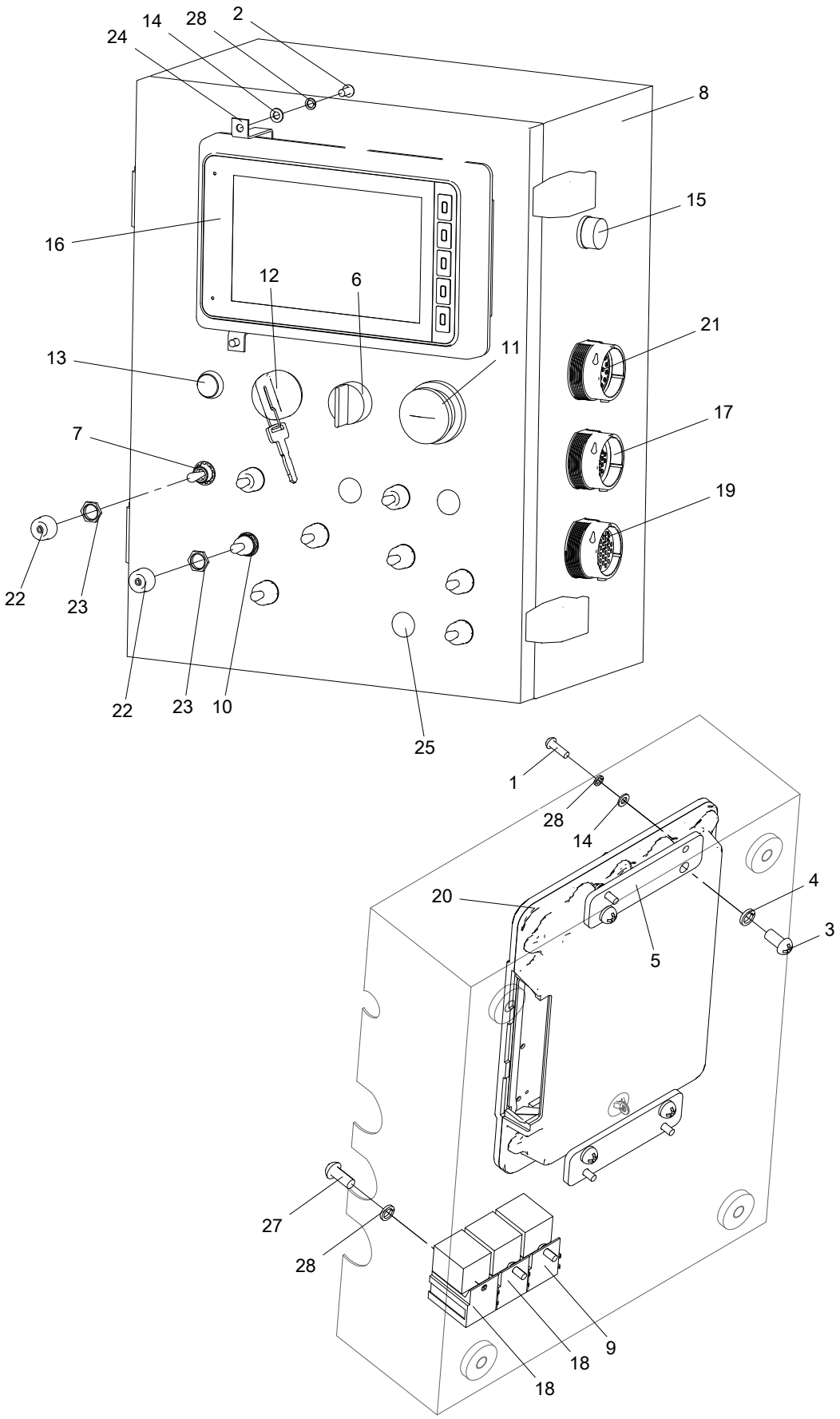
7.3 ELECTRICAL SYSTEM (HUAXING&CUMMINS)

7.3.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (HUAXING&CUMMINS)



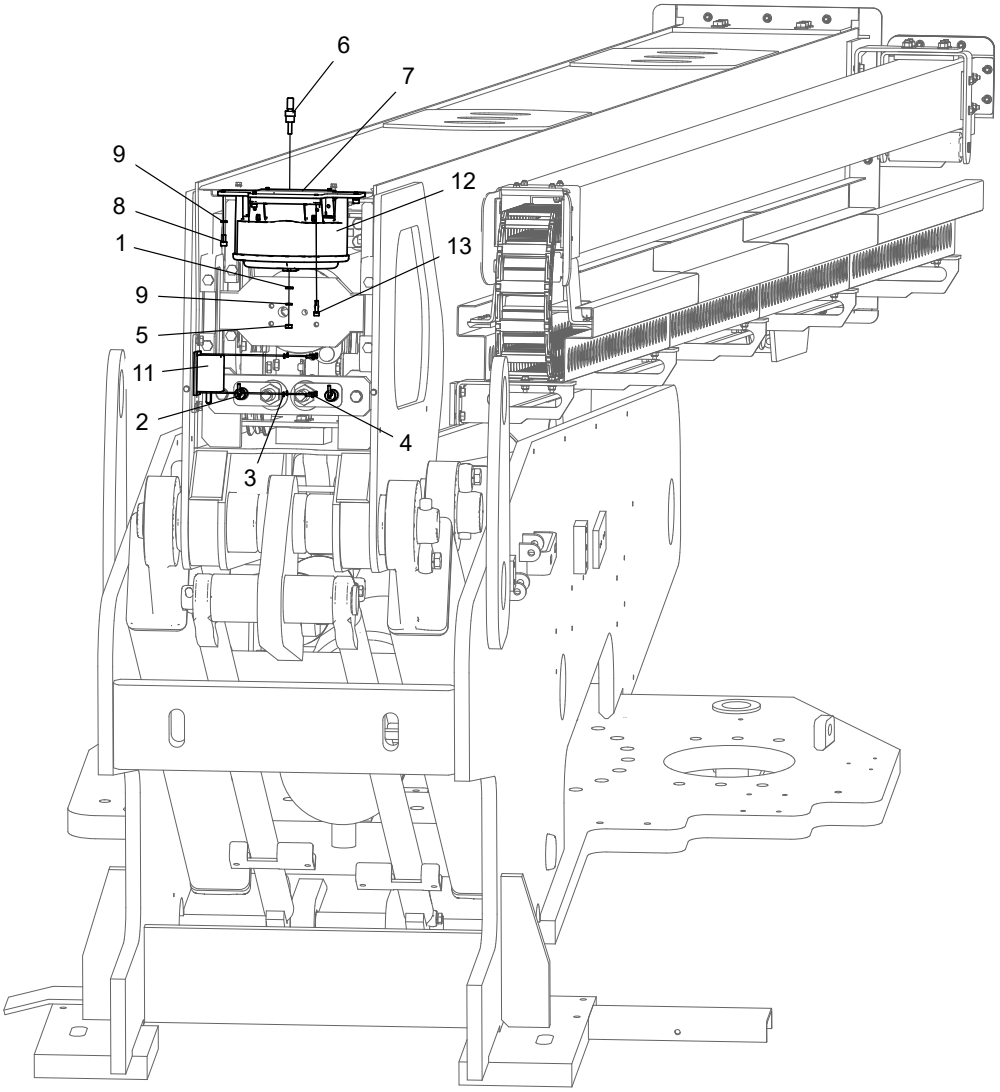
No.	Part No.	Qty.	Description
1	203150003014	1	Pressure switch
2	203100000061	2	Battery, maintenance-free
3	215020000110	4	Screw M5×12-A2-70 GB/T 818
4	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
5	203050000060	1	Light, beacon
6	215040000003	4	Washer 5-A2-70 GB/T 93
7	203150003016	1	Pressure switch
8	203060000024	1	Emergency stop switch
9	215010000236	3	Bolt M8×30-8.8-ZnD GB/T 5789
10	203150000035	1	Liquid level sensor
11	203150000006	1	Sensor, liquid level
12	105021060024	1	Guard, beacon light
13	203150003010	1	Proximity switch
14	215030000108	2	Nut M8-8-ZnD GB/T 6183
15	215010000230	6	Bolt M6×16-8.8-ZnD GB/T 5789
16	203070000048	1	Fuse
17	203050000034	1	Horn
18	203070000056	1	Mount, fuse
19	105029060001	1	Ground controller assembly
20	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
21	203100003011	1	Power switch box
22	216020000024	2	Retaning ring, SSG
23	203150000039	1	Level switch
24	105025020046	1	Bracket, ground control box
25	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
26	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
27	215040000005	4	Washer 8-ZnD GB/T 93

7.3.2 GROUND CONTROL BOX ASSEMBLY (PN.105029060001)



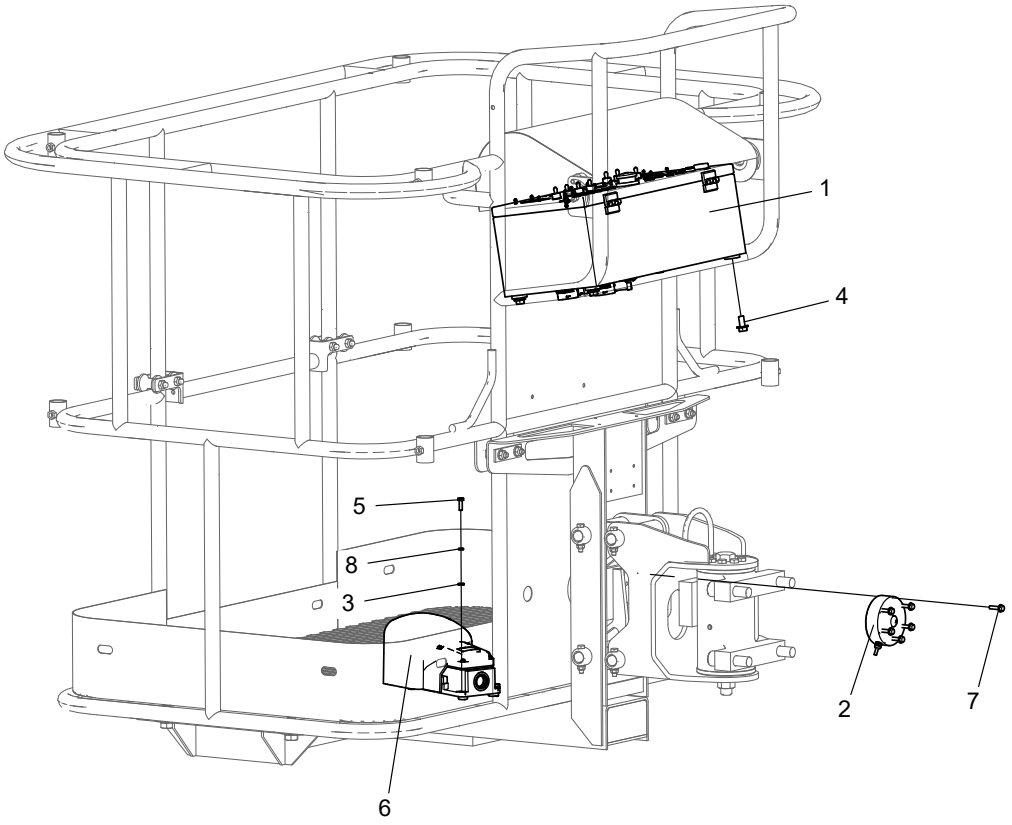
No.	Part No.	Qty.	Description
1	215020000111	4	Screw M5×16-A2-70 GB/T 818
2	215020000109	6	Screw M5×10-A2-70 GB/T 818
3	215020000120	4	Screw M8×16-4.8-ZnD GB/T 818
4	215040000005	4	Washer 8-ZnD GB/T 93
5	105001060108	2	Connecting plate, controller
6	203060000029	1	Select switch
7	203060000021	3	Switch, toggle
8	105029060026	1	Ground controller assembly
9	203040003005	1	Delay relay
10	203060000003	6	Switch, toggle
11	203060000142	1	Emergency stop switch
12	203060000114	1	Key switch
13	203060000020	1	Button, yellow
14	215040000032	10	Washer 5-A2 GB/T 97.1
15	203050000005	1	Alarm
16	203200000004	1	Display screen
17	203080000523	1	Connector, 31 position, male
18	203040000003	2	Relay
19	203080000516	1	Connector, 31 position, female
20	203020000040	1	Controller
21	203080000518	1	Connector, 21 position, male
22	203080000101	9	Cover, toggle switch
23	203080000109	9	Nut
24	105001060106	3	Retaining plate, display screen
25	105045060004	3	Plug, controller
26	105029060005	1	Membrane, ground control box
27	215020000110	3	Screw M5×12-A2-70 GB/T 818
28	215040000003	13	Washer 5-A2-70 GB/T 93

7.3.3 BOOM ELECTRICAL COMPONENTS INSTALLATION (HUAXING)



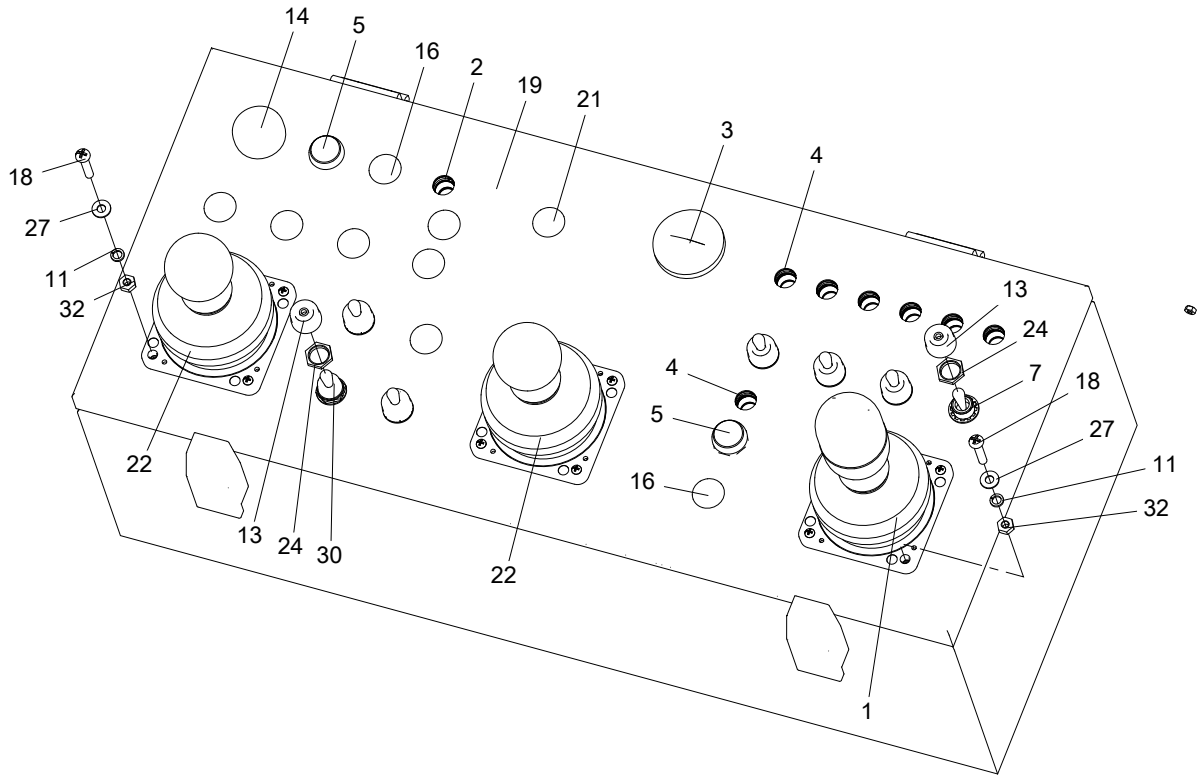
No.	Part No.	Qty.	Description
1	215040000033	1	Washer 6-A2 GB/T 97.1
2	203150003010	2	Proximity switch
3	215040000002	4	Washer 4-A2-70 GB/T 93
4	215010000038	4	Bolt M4×10-A2-70 GB/T 5783
5	215030000004	1	Nut M6-A2-70 GB/T 6170
6	105001060075	1	Thread rod, for length sensor
7	105001010254	1	Mount, length sensor
8	215020000010	2	Screw M6×12-A2-70 GB/T 70.1
9	215040000004	3	Washer 6-A2-70 GB/T 93
10	215040000003	4	Washer 5-A2-70 GB/T 93
11	203150000010	1	Angle sensor
12	203150000051	1	Length sensor
13	215020000008	4	Screw M5×20-A2-70 GB/T 70.1

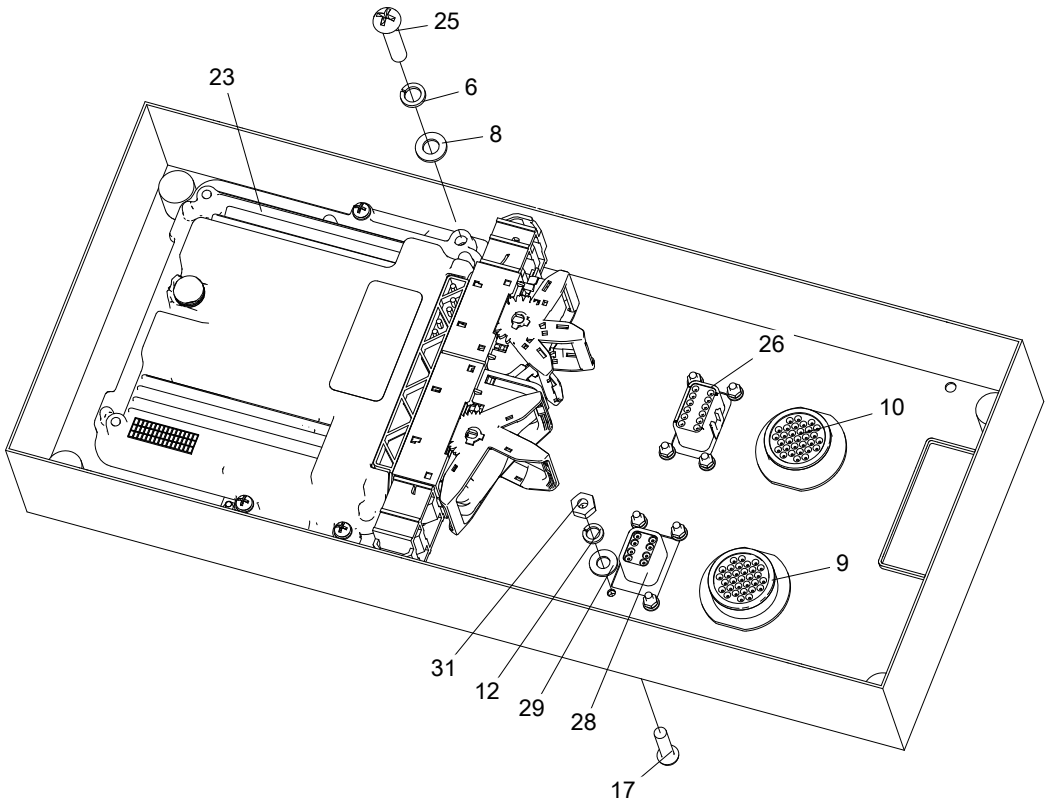
7.3.4 PLATFORM ELECTRICAL COMPONENTS INSTALLATION (HUAXING)



No.	Part No.	Qty.	Description
1	105029060003	1	Platform controller assembly
2	203150000069	1	Load sensor
3	215040000033	3	Washer 6-A2 GB/T 97.1
4	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
5	215010000051	3	Bolt M6×20-A2-70 GB/T 5783
6	203060000009	1	Footswitch
7	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
8	215040000004	3	Washer 6-A2-70 GB/T 93

7.3.5 PLATFORM CONTROL BOX ASSEMBLY (PN.105031060023)

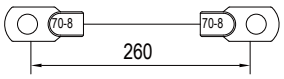




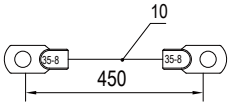
No.	Part No.	Qty.	Description
1	203060000017	1	Joystick
2	203050003014	1	Indicator light
3	203060000142	1	Emergency stop switch
4	203050003015	7	Indicator light
5	203060000020	2	Button, yellow
6	215040000003	4	Washer 5-A2-70 GB/T 93
7	203060000021	4	Switch, toggle
8	215040000032	4	Washer 5-A2 GB/T 97.1
9	203080000523	1	Connector, 31 position, male
10	203080000516	1	Connector, 31 position, female
11	215040000001	12	Washer 3-A2-70 GB/T 93
12	215040000002	8	Washer 4-A2-70 GB/T 93
13	203080000101	7	Cover, toggle switch
14	203050000006	1	Alarm
15	105029060025	1	PC film, platform controller(Not shown)
16	105045060004	8	Plug, controller
17	215020000106	8	Screw M4×16-A2-70 GB/T 818
18	215020000102	12	Screw M3×16-A2-70 GB/T 818
19	105042060017	1	Platform control box
20	105029060006	1	Film, platform controller(Not shown)
21	105045060005	1	Plug, controller
22	203060000049	2	Joystick
23	203020000038	1	Controller, ground control box
24	203080000109	7	Nut
25	215020000113	4	Screw M5×25-A2-70 GB/T 818
26	203060000090	1	Connector, 12 position, with flange
27	215040000030	12	Washer 3-A2 GB/T 97.1
28	203060000088	1	Connector, 8 position, with flange
29	215040000031	8	Washer 4-A2 GB/T 97.1
30	203060000003	3	Switch, toggle
31	215030000002	8	Nut M4-8-A2-70 GB/T 6170
32	215030000001	12	Nut M3-A2-70 GB/T 6170

7.3.6 POWER CABLE KIT (CUMMINS)

BAT1- – BAT2- (black)

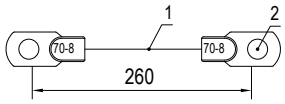


Manual Switch – Power Box B01(red)

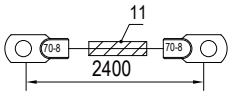


Add PVC sheath at the one end , red

BAT1+ – BAT2+ (red)

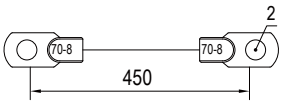


FU4 – Starter 50(red)

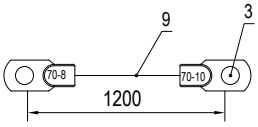


Add PVC sheath at the one end , red

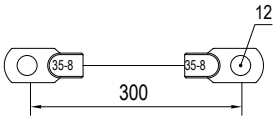
BAT1+ – FU4



BAT2- – GND (black)

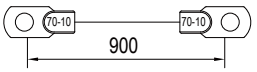


BAT1+ – Manual Switch (red)

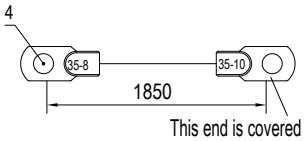


Add PVC sheath at the one end , red

Engine – GND (black)

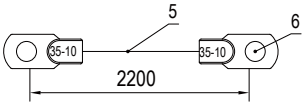


Power Box 12 – Auxiliary Pump (red)



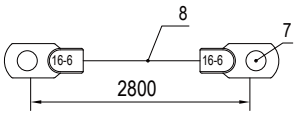
This end is covered with PVC sheath , red

Auxiliary Pump- – GND (black)



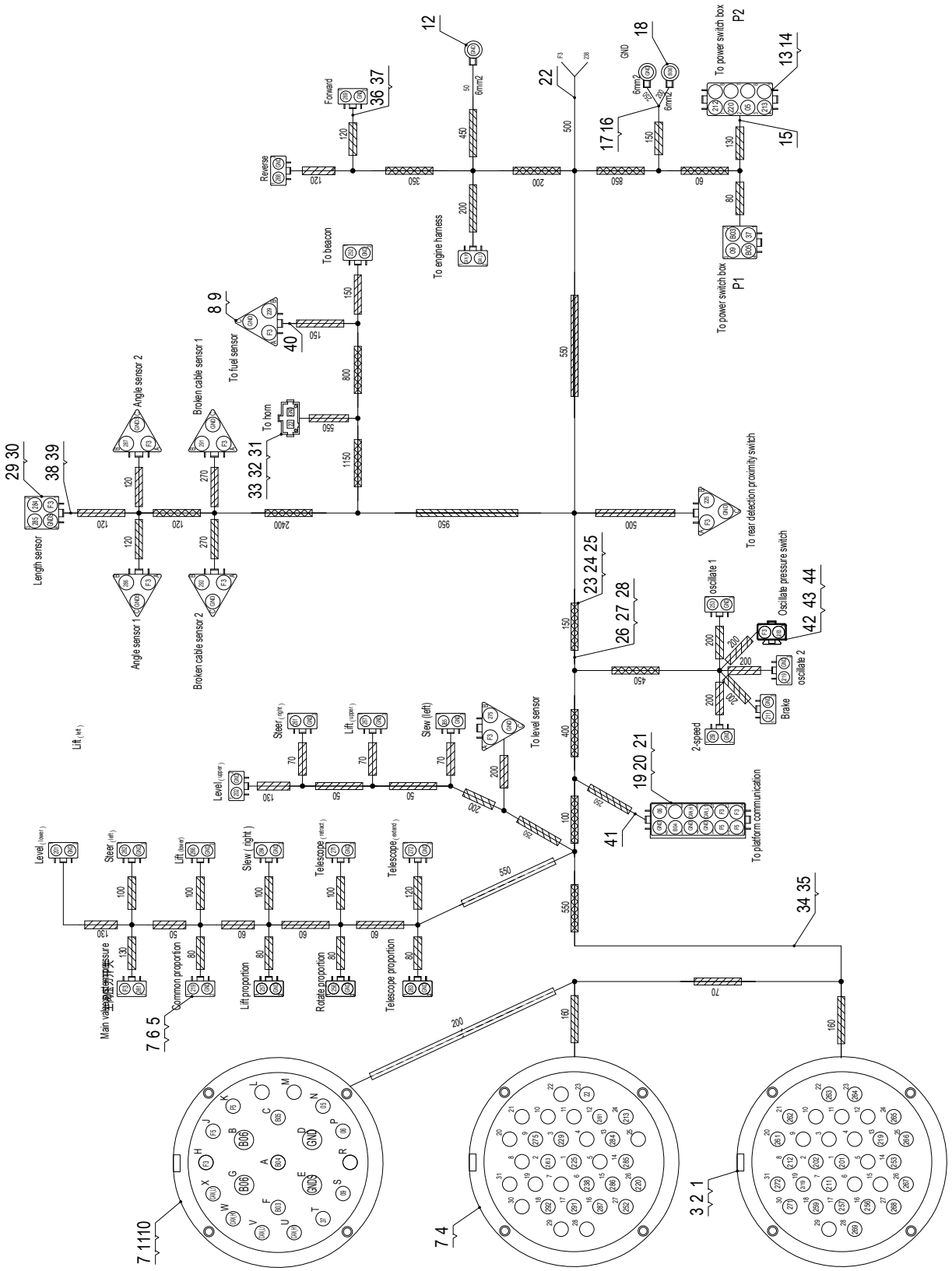
Add PVC sheath at the one end , black

Power Box 15 – Engine Glow plug+ (red)



No.	Part No.	Qty.	Description
1	203080000578	3	Cable (red)
2	203080000581	9	Cable lug, copper
3	203080000574	3	Cable lug, copper
4	203080000038	5	Cable lug, copper
5	203080000580	2	Cable (black)
6	203080000045	3	Cable lug, copper
7	203080000260	2	Cable lug, copper
8	203080000115	3	Cable
9	203080000573	2	Cable (black)
10	203080000579	3	Cable (red)
11	203080000422	8	Nylon hose, open-end
12	203080000004	5	Jacket, PVC

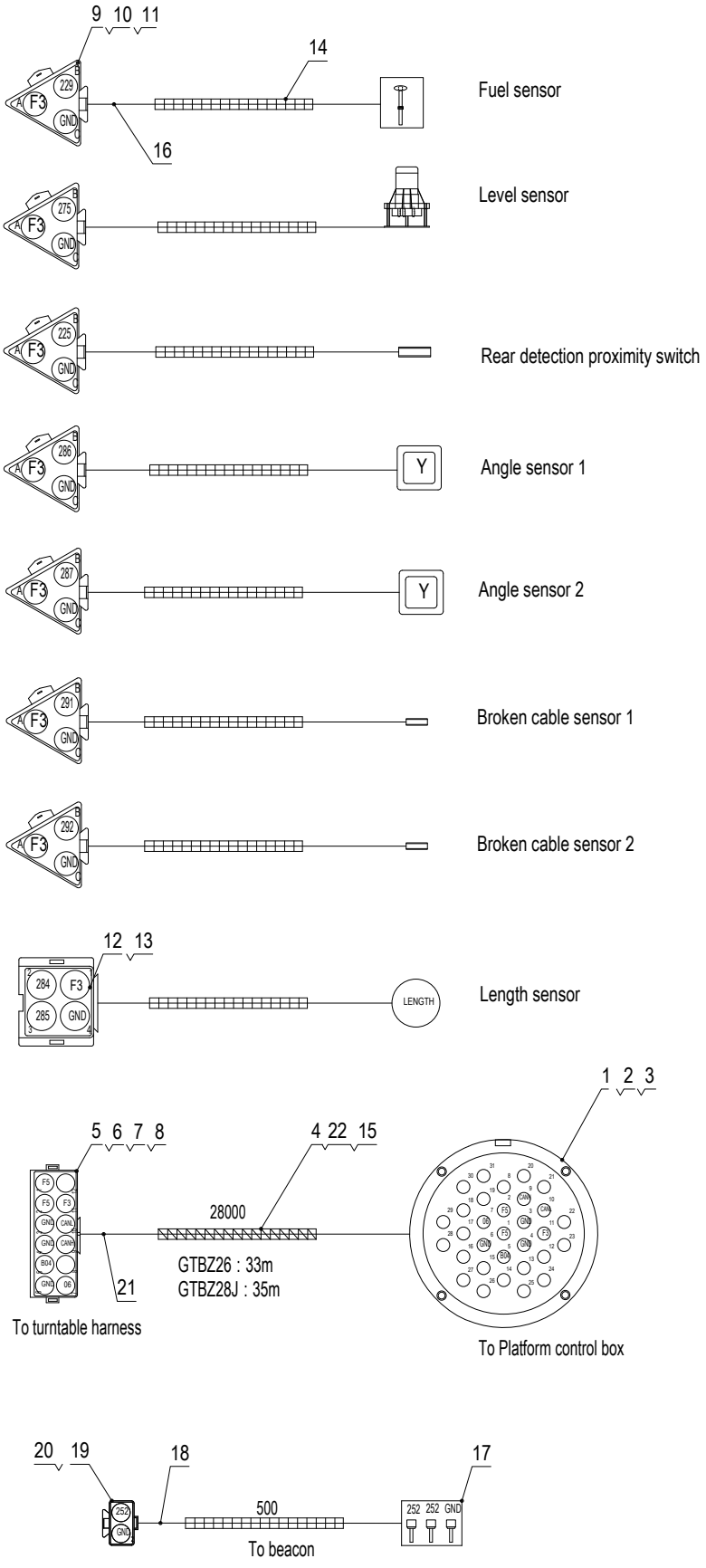
7.3.7 TURNTABLE HARNESS (HUAXING&CUMMINS)



No.	Part No.	Qty.	Description
	105029063038	1	Wiring harness, turntable
1	203080000515	1	Terminal jacket, 31-pin, male
2	203060000096	3	End clip, 180 deg.
3	203080000033	23	Terminal, male
4	203080000520	1	Terminal jacket, 31-pin, female
5	203080000410	24	Jacket
6	203080000016	24	Lock
7	203080000041	124	Terminal, female
8	203080000404	7	Jacket
9	203080000032	7	Lock
10	203080000517	1	terminal jacket, 21-pin, female
11	203060000097	4	Terminal, #12, female
12	203080000124	1	Terminal, blade-hole type
13	203080000406	1	Jacket
14	203080000112	1	Lock
15	203080000449	1	Connector, 8 position, female
16	203080000191	4	Cable
17	203080000161	6	Cable
18	203080000134	2	Terminal, blade-hole type
19	203080000414	1	Jacket
20	203080000159	1	Latch
21	203080000068	35	Blind plug
22	203080000035	1	Pipe, heat-shrink
23	203080000463	7	Hose, nylon, closed-end
24	203080000422	5	Nylon hose, open-end
25	203080000037	2	Pipe, corrugated
26	203080000564	150	Cable, thin wall (white)
27	203080000563	60	Cable, thin wall (black)
28	203080000562	30	Cable, thin wall (red)
29	203080000044	2	Jacket
30	203080000020	2	Lock
31	203080000427	1	Jacket
32	203080000428	2	Pin, female
33	203080000429	1	Cap, waterproof
34	203080000417	1	Nylon hose, closed-end
35	203080000419	1	Tube
36	203080000437	24	End attachments, 2-pin, female

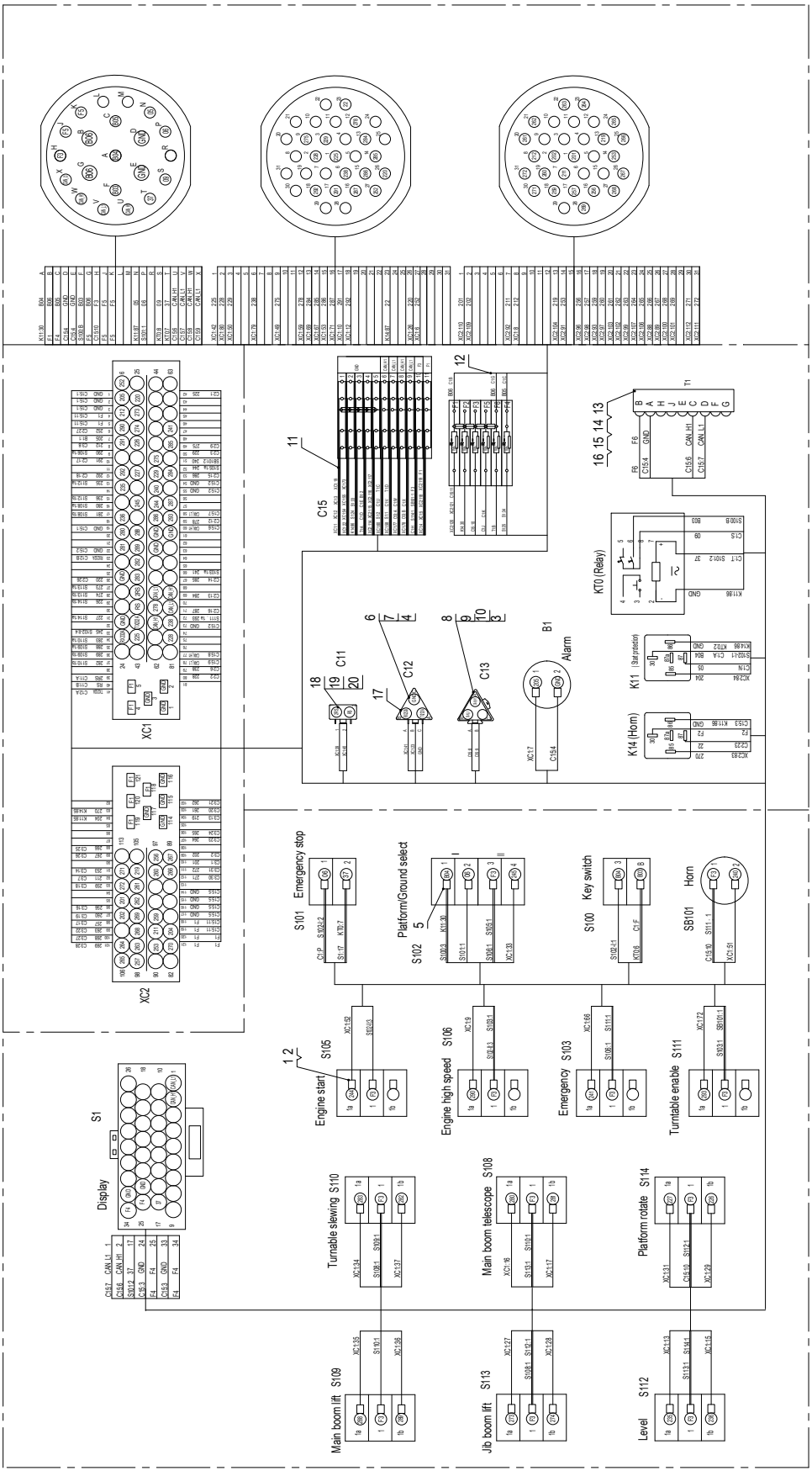
No.	Part No.	Qty.	Description
37	203080000448	24	Rubber, 2-pin
38	203080000445	2	End attachments, 4-pin, female
39	203080000446	2	Rubber, 4-pin
40	203080000508	7	Connector, 3 position, female
41	203080000461	1	Connector, 12-pin, female
42	203080000408	1	Jacket
43	203080000021	1	Lock
44	203080000465	1	End clip, 2-pin, male

7.3.8 TURNTABLE SENSORS HARNESS (HUAXING)



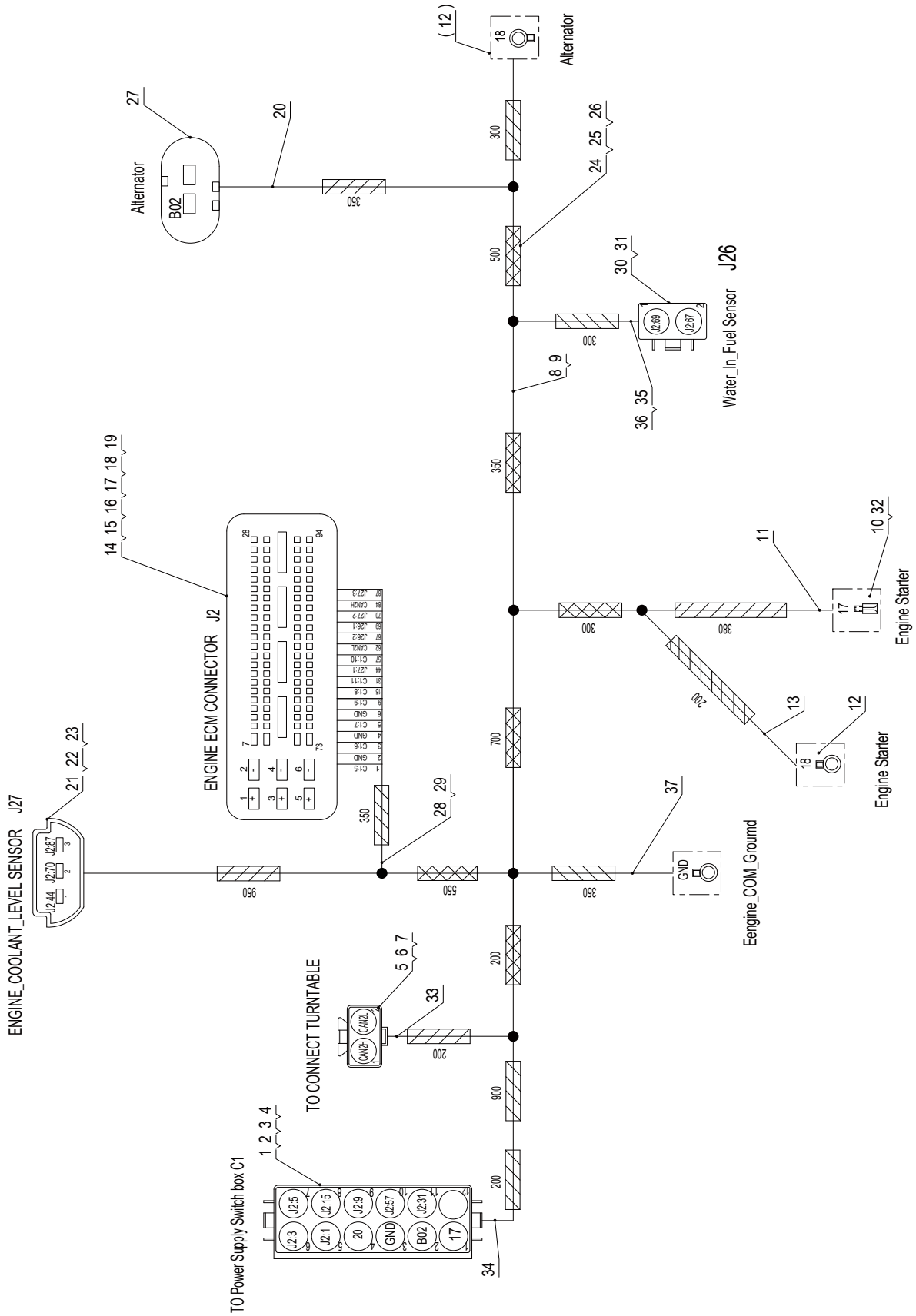
No.	Part No.	Qty.	Description
1	203080000520	1	Terminal jacket, 31-pin, female
2	203060000096	1	End clip, 180 deg.
3	203080000524	10	Terminal, female
4	203080000560	35	Cable, cable track
5	203080000403	1	Jacket
6	203080000157	1	Lock
7	203080000033	35	Terminal, male
8	203080000068	23	Blind plug
9	203080000405	7	Jacket
10	203080000046	7	Lock
11	203080000035	1	Pipe, heat-shrink
12	203080000054	1	Jacket
13	203080000088	1	Lock
14	203080000463	6	Hose, nylon, closed-end
15	203080000419	1	Tube
16	203080000466	7	End clip, 3-pin, male
17	203080000125	3	Terminal, tubular & pre-insulated
18	203080000465	1	End clip, 2-pin, male
19	203080000408	1	Jacket
20	203080000021	1	Lock
21	203080000459	1	Connector, 12 position, male
22	203080000555	35	Cable, CAN bus, cable track

7.3.9 GROUND CONTROL BOX HARNESS (HUAXING&CUMMINS)



No.	Part No.	Qty.	Description
1	203080000023	26	Terminal
2	203080000022	1	Heat shrink
3	203080000033	2	Terminal, male
4	203080000041	6	Terminal, female
5	203080000036	12	Terminal
6	203080000404	1	Jacket
7	203080000032	1	Lock
8	203080000405	1	Jacket
9	203080000046	1	Lock
10	203080000086	1	Connector
11	203080000096	50	Cable
12	203080000047	1	Cable
13	203080000334	1	Socket, 9-pin diagnostic interface
14	203080000326	1	Latch
15	203080000327	4	Pin
16	203080000068	6	Blind plug
17	203080000473	1	Cap, 3 position, female
18	203080000410	1	Jacket
19	203080000016	1	Lock
20	203080000474	1	Cover, waterproof, 2-pin, female

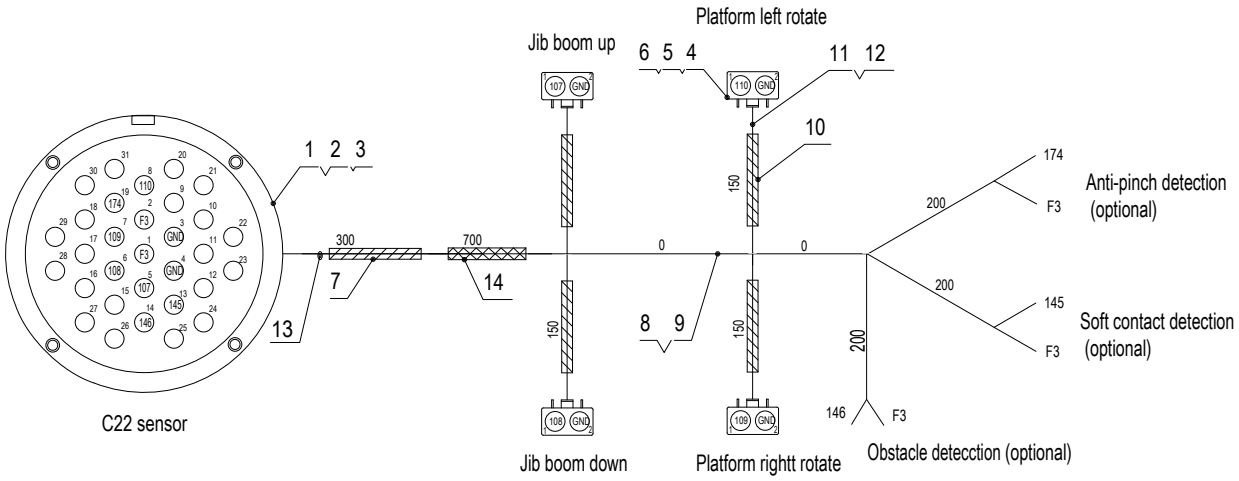
7.3.10 CUMMINS ENGINE HARNESS



No.	Part No.	Qty.	Description
	105031060010	1	Wiring harness, Cummins engine
1	203080000414	1	Jacket
2	203080000159	1	Latch
3	203080000041	12	Terminal, female
4	203080000068	2	Blind plug
5	203080000408	1	Jacket
6	203080000021	1	Lock
7	203080000033	2	Terminal, male
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	Terminal, 94-pin
15	203080000325	6	Pin
16	203080000333	11	Pin
17	203080000322	6	Seal ring
18	203080000324	73	Blind plug, small
19	203080000328	4	Blind plug, big
20	203080000035	1	Pipe, heat-shrink
21	203080000331	1	Terminal
22	203080000323	3	Pin
23	203080000332	1	Seal plug
24	203080000037	2	Pipe, corrugated
25	203080000422	1	Nylon hose, open-end
26	203080000463	2	Hose, nylon, closed-end
27	203080000329	1	Plug, generator
28	203080000369	6	Cable
29	203080000582	8	Cable
30	203080000410	1	Jacket
31	203080000016	1	Lock
32	203080000129	1	Jacket, flexible
33	203080000465	1	End clip, 2-pin, male
34	203080000461	1	Connector, 12-pin, female
35	203080000437	1	End attachments, 2-pin, female

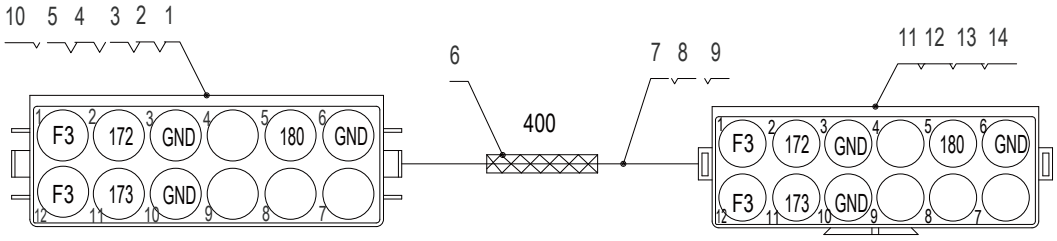
No.	Part No.	Qty.	Description
36	203080000448	1	Rubber, 2-pin
37	203080000191	1	Cable

7.3.11 PLATFORM HARNESS (HUAXING)



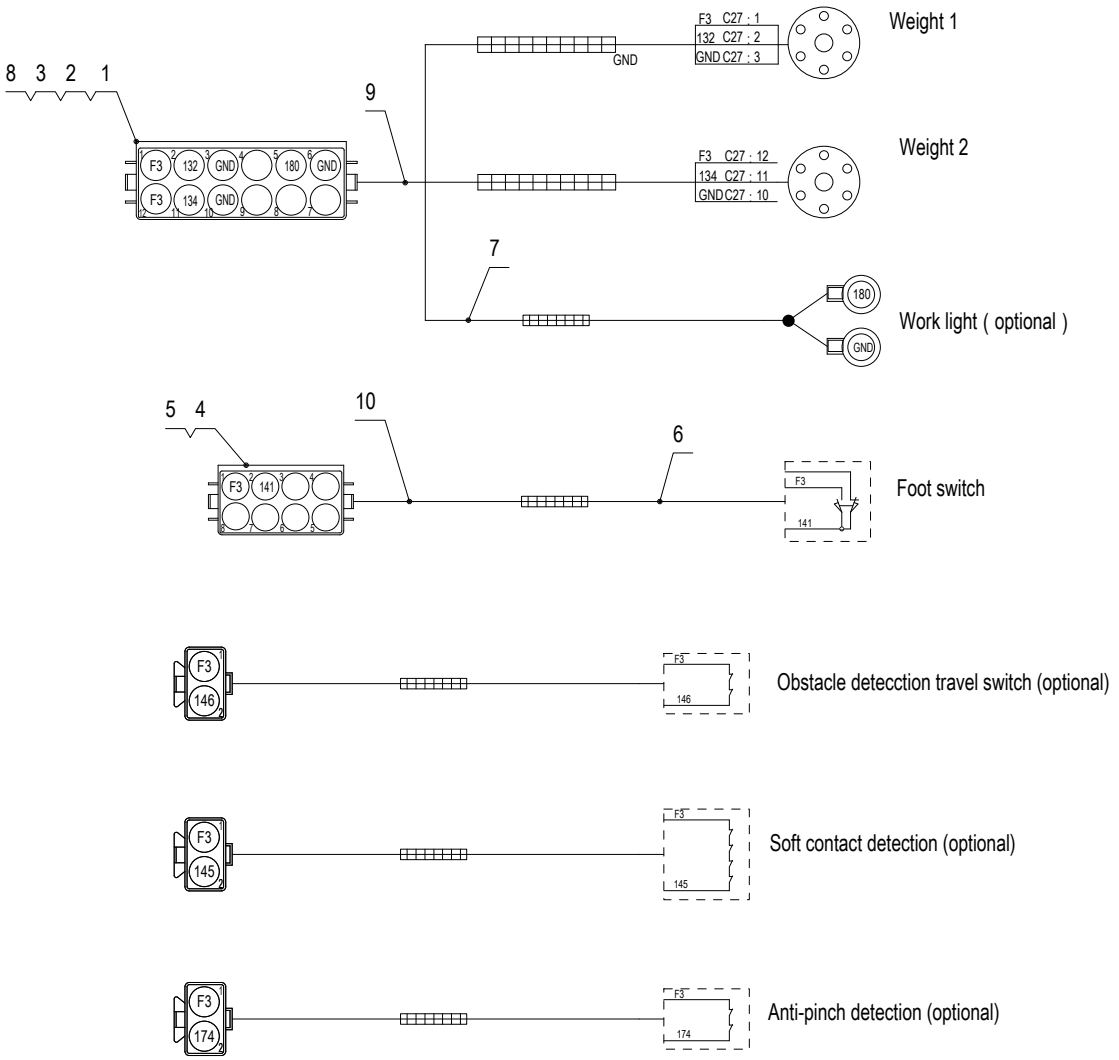
No.	Part No.	Qty.	Description
	105029060018	1	Wiring harness, platform
1	203080000515	1	Terminal jacket, 31-pin, male
2	203080000068	20	Blind plug
3	203080000519	11	Terminal, male
4	203080000410	2	Jacket
5	203080000016	2	Lock
6	203080000041	4	Terminal, female
7	203080000419	1	Tube
8	203080000128	7	Cable
9	203080000015	7	Cable
10	203080000463	1	Hose, nylon, closed-end
11	203080000437	2	End attachments, 2-pin, female
12	203080000448	2	Rubber, 2-pin
13	203060000096	1	End clip, 180 deg.
14	203080000135	1	Corrugated pipe (Black)

7.3.12 PLATFORM HARNESS 2



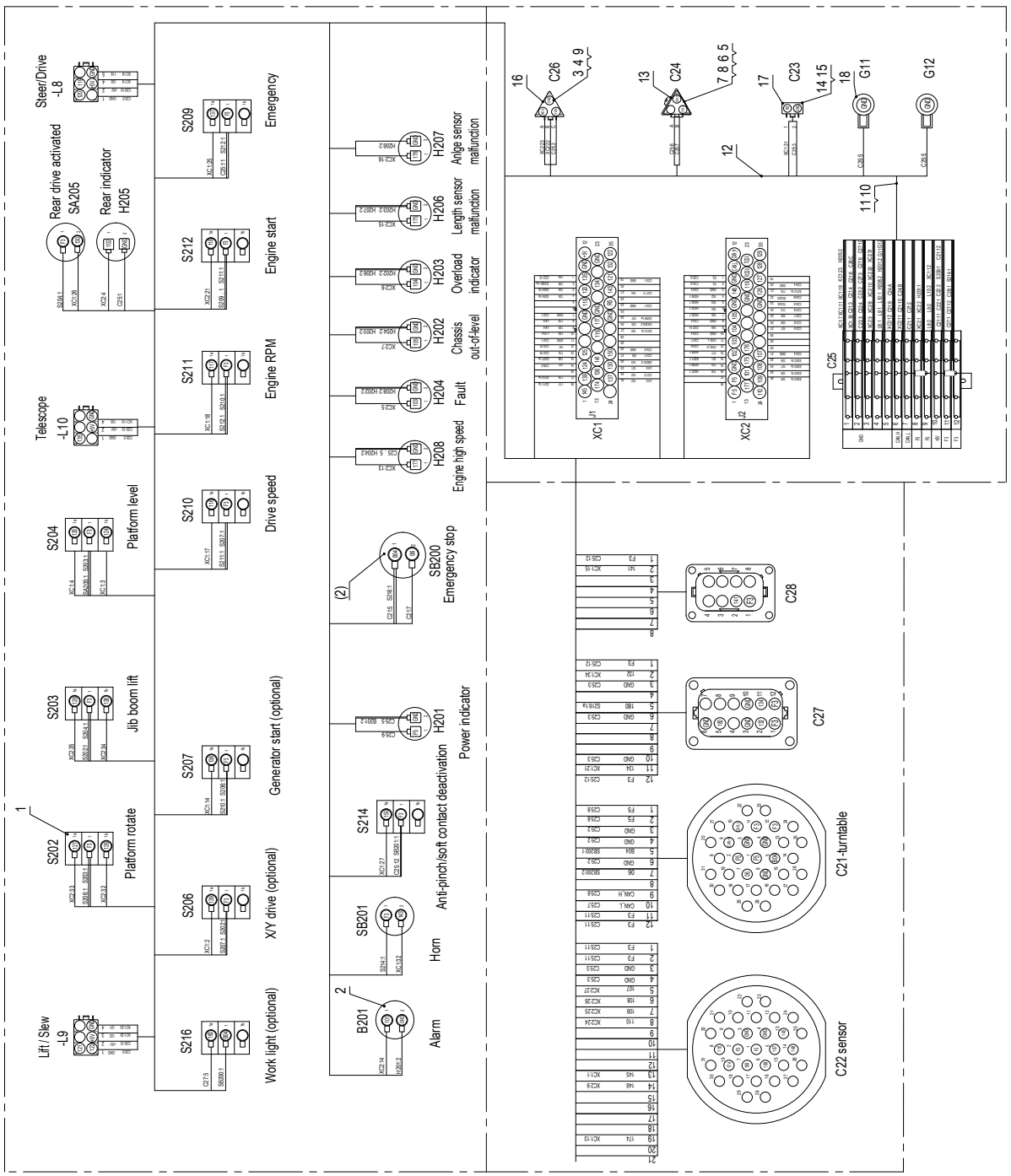
No.	Part No.	Qty.	Description
	103006063009	1	Wiring harness, platform
1	203080000155	1	Connector
2	203080000159	1	Latch
3	203080000041	8	Terminal, female
4	203080000068	8	Blind plug
5	203080003001	1	Connector, 12 position, female
6	203080000037	1m	Pipe, corrugated
7	203080000562	2	Cable, thin wall (red)
8	203080000563	2	Cable, thin wall (black)
9	203080000564	1	Cable, thin wall (white)
10	203080003010	1	Nut, big-size
11	203080000403	1	Jacket
12	203080000157	1	Lock
13	203080000033	8	Terminal, male
14	203080000459	1	Connector, 12 position, male

7.3.13 PLATFORM SENSORS HARNESS (HUAXING)



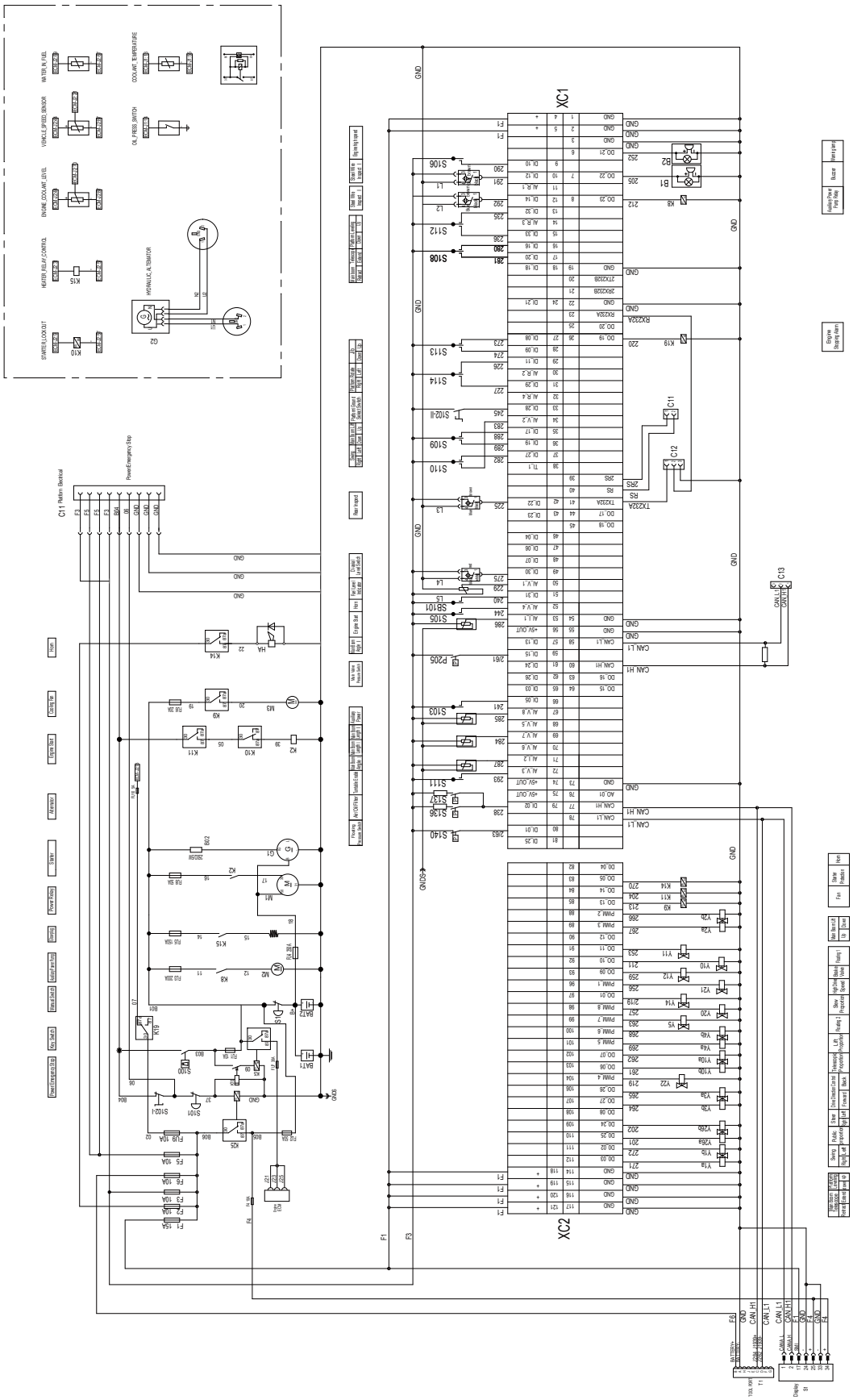
No.	Part No.	Qty.	Description
1	203080000414	1	Jacket
2	203080000159	1	Latch
3	203080000041	8	Terminal, female
4	203080000406	1	Jacket
5	203080000112	1	Lock
6	203080000558	1	Cable, cable track
7	203080000424	1	Tube
8	203080000068	12	Blind plug
9	203080000461	1	Connector, 12-pin, female
10	203080000449	1	Connector, 8 position, female

7.3.14 GROUND CONTROL BOX HARNESS (HUAXING)

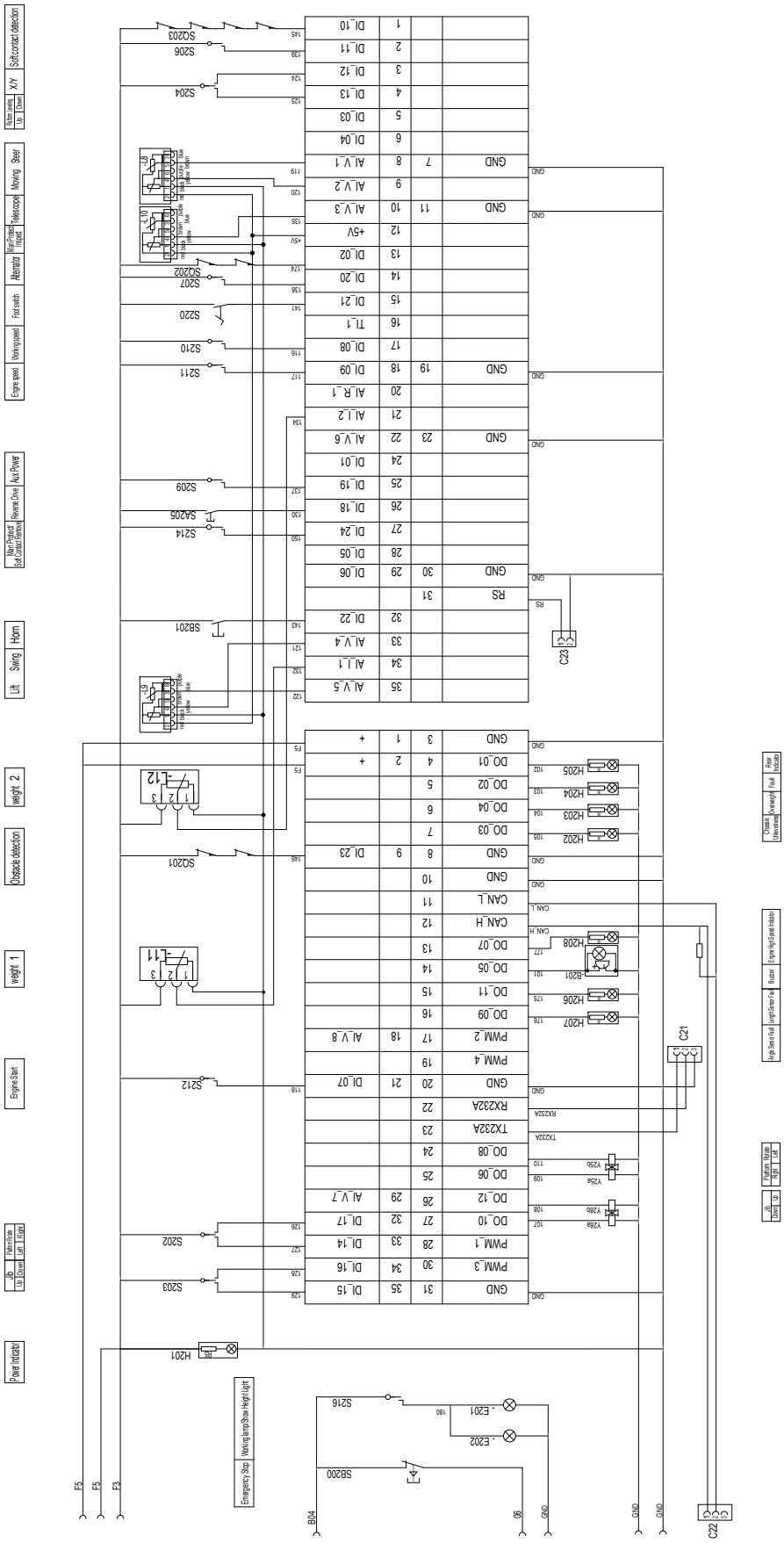


No.	Part No.	Qty.	Description
1	203080000023	30	Terminal
2	203080000036	8	Terminal
3	203080000404	1	Jacket
4	203080000032	1	Lock
5	203080000033	4	Terminal, male
6	203080000086	1	Connector
7	203080000405	2	Jacket
8	203080000046	1	Lock
9	203080000041	5	Terminal, female
10	203080000096	15	Cable
11	203080000107	5	Cable
12	216020000020	20	Cable tie, nylon
13	203080000068	1	Blind plug
14	203080000410	1	Jacket
15	203080000016	1	Lock
16	203080000473	1	Cap, 3 position, female
17	203080000474	1	Cover, waterproof, 2-pin, female
18	203080000133	2	Terminal, blade-hole type

7.3.15 TURNTABLE ELECTRICAL SCHEMATIC (HUAXING&CUMMINS)

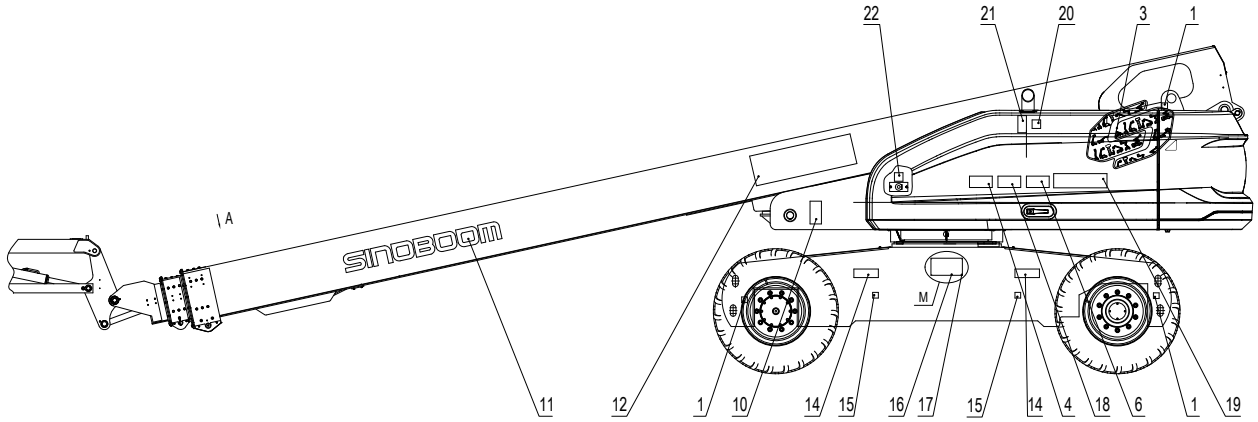


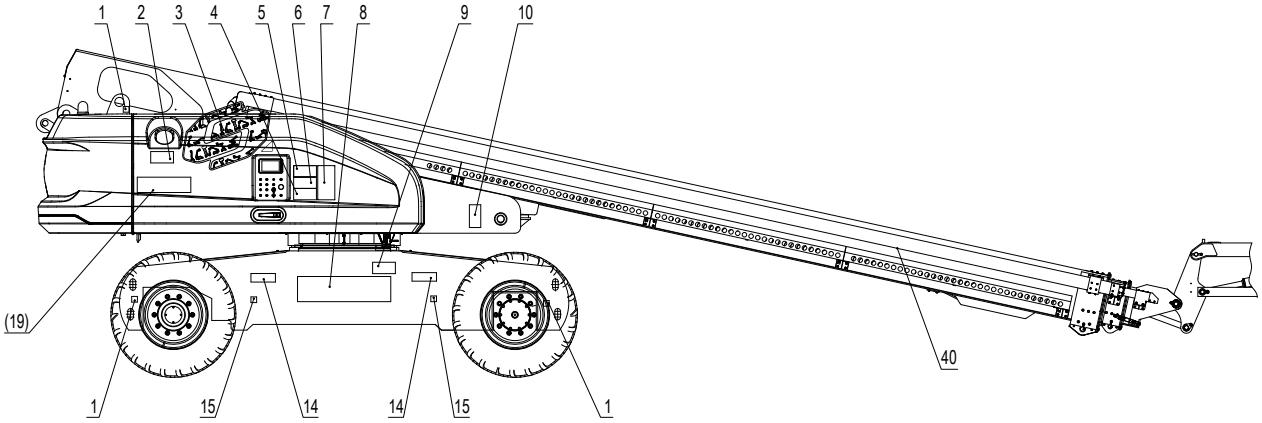
7.3.16 PLATFORM ELECTRICAL SCHEMATIC (HUAXING)

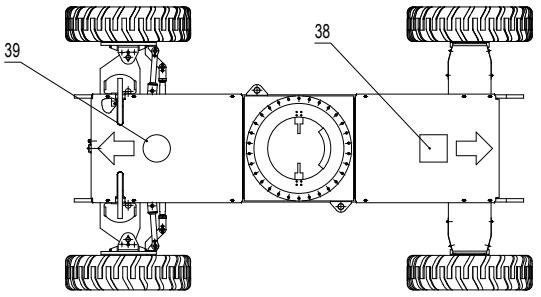


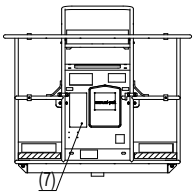
8 DECALS

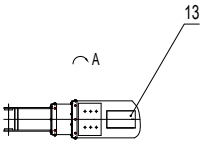
8.1 DECALS-GB

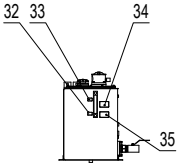

22
21
20
3
1
A
SINOBOOM
M
11
12
1
10
14
15
16
17
15
14
4
18
6
1
19

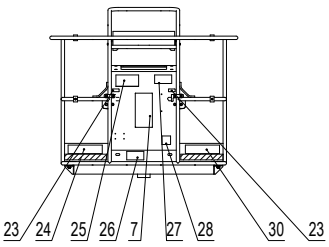

1
2
3
4
5
6
7
8
9
10
(19)
40
1
15
14
14
15
1

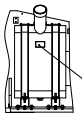

39
38

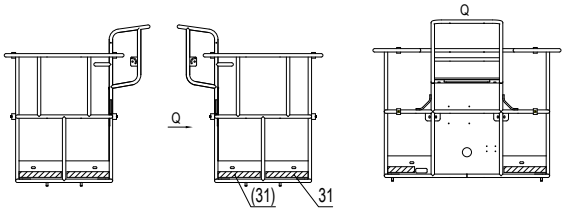

(7)

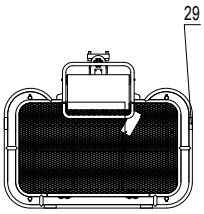

13
A

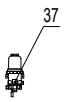

32
33
34
35


23
24
25
26
7
27
28
30
23


36


Q
Q
(31)
31

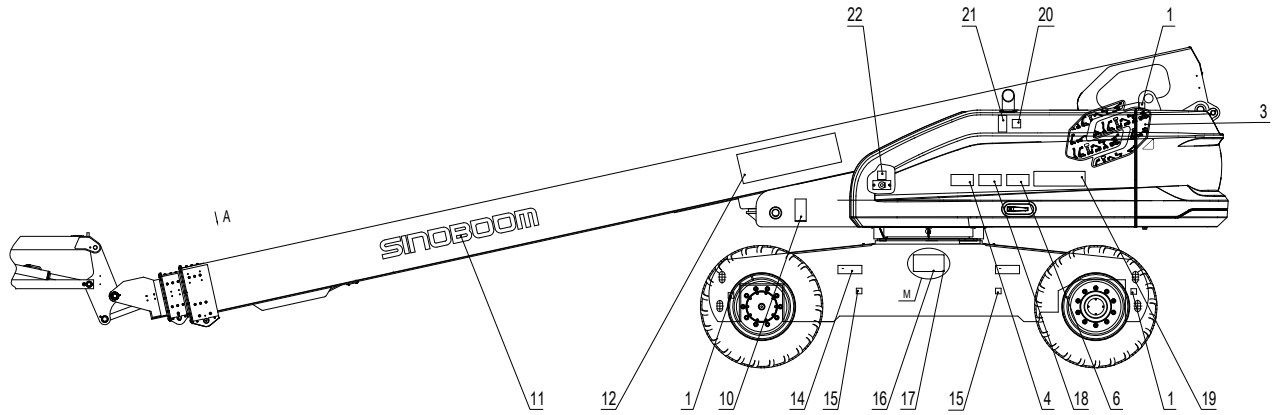

29

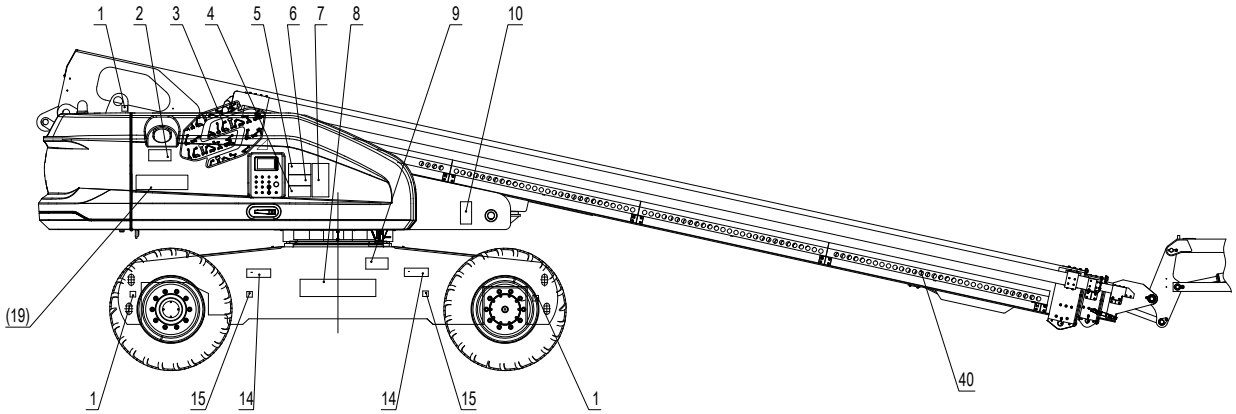

37

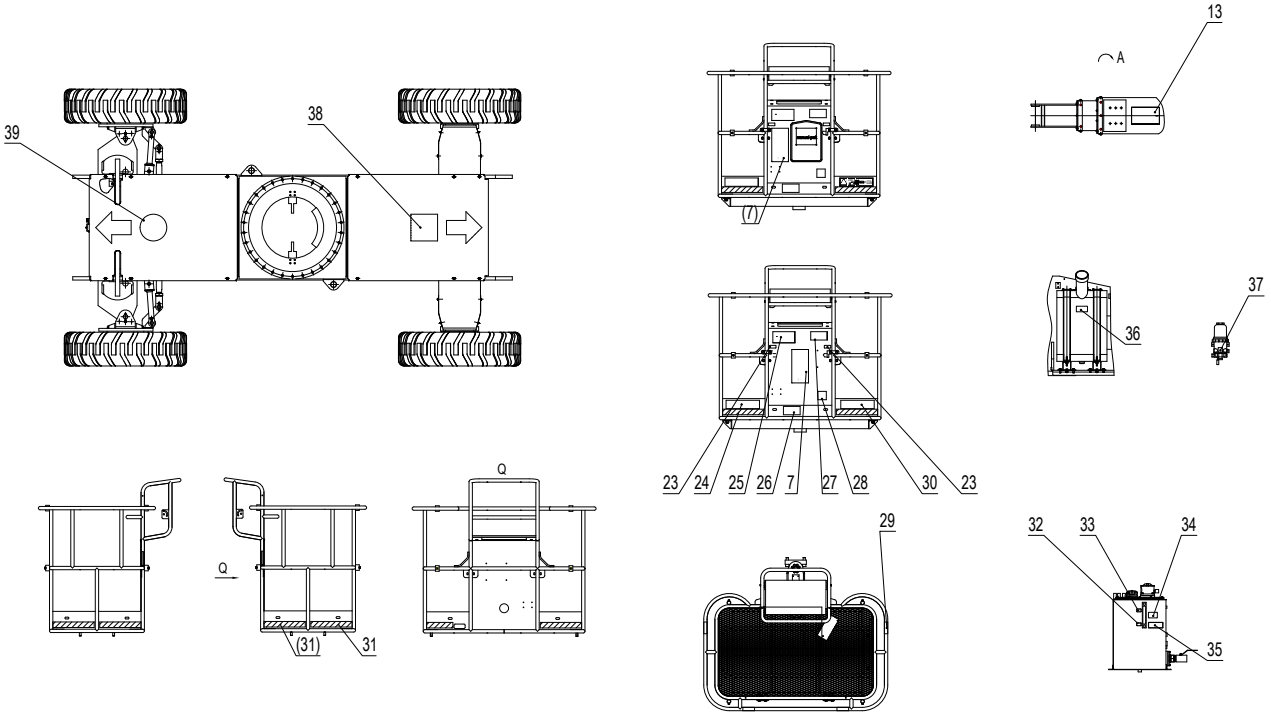
No.	Part No.	Qty.	Description
	105031100001	1	Decals(GB)-GTBZ26
	105032100002	1	Decals(GB)-GTBZ28J
1	104011100002	6	Decal-Lifting lugs
2	104011100014	1	Decal-Explosion hazard
3	105045103002	2	LOGO-symbol
4	104011100006	2	Decal-Bulkhead overhaul
5	104011100013	1	Decal-Electrocution hazard
6	104011100007	2	Decal-Tipping hazard
7	104011100020	2	Decal-General safety
8	105001100048	1	Decal-Contact information
9	104011100022	1	Decal-Turntable rotary lock
10	104011100011	2	Decal-Crush hazard
11	105057103001	1	LOGO-SINOBOOM
12-1	105031103004	1	Decal-TB26
12-2	105032103017	1	Decal-TB28J
13	104011100012	1	Decal-Fall hazard
14	104011100001	4	Decal-Tipping hazard
15	105004100001	4	Decal-Max. load of tire to ground 10000kg/22046 lb
16	105001100057	1	Nameplate GB
17	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
18	104011100005	1	Decal-Explosion hazard
19-1	105031103005	2	Decal-TB26
19-2	105032103018	2	Decal-TB28J
20	104011100008	1	Decal-Noise 82dB
21	104011100018	1	Decal-Burn hazard
22	104011100016	1	Decal-Emergency stop switch
23	101016100030	2	Decal-Lanyard anchorage points
24	104010100015	1	Decal-Tipping hazard
25	105021100003	1	Decal-Tipping hazard
26	104011100019	1	Decal-Crush hazard
27	104011100009	1	Decal-Read manuals
28	104011100017	1	Decal-Footswitch
29	104011100021	4	Decal-Crush hazard
30	104010100014	1	Decal-Rated load 250kg/551 lb
31	216060000002	4	Attention line
32	104011100003	1	Decal-Hydraulic oil level
33	104011100010	1	Decal-Hydraulic oil level

No.	Part No.	Qty.	Description
34	104010100021	1	Decal-Hydraulic oil temperature range
35	104009100018	1	Decal-Hydraulic oil
36	104009100019	1	Decal-Diesel fuels
37	104009100020	1	Decal-Fuel-water separator
38	105001100051	1	Decal-Direction
39	105001100053	1	Decal-Direction

8.2 DECALS-CE


22
21
20
1
3
A
SINOBOOM
M
11
12
1
10
14
15
16
17
15
4
18
6
1
19

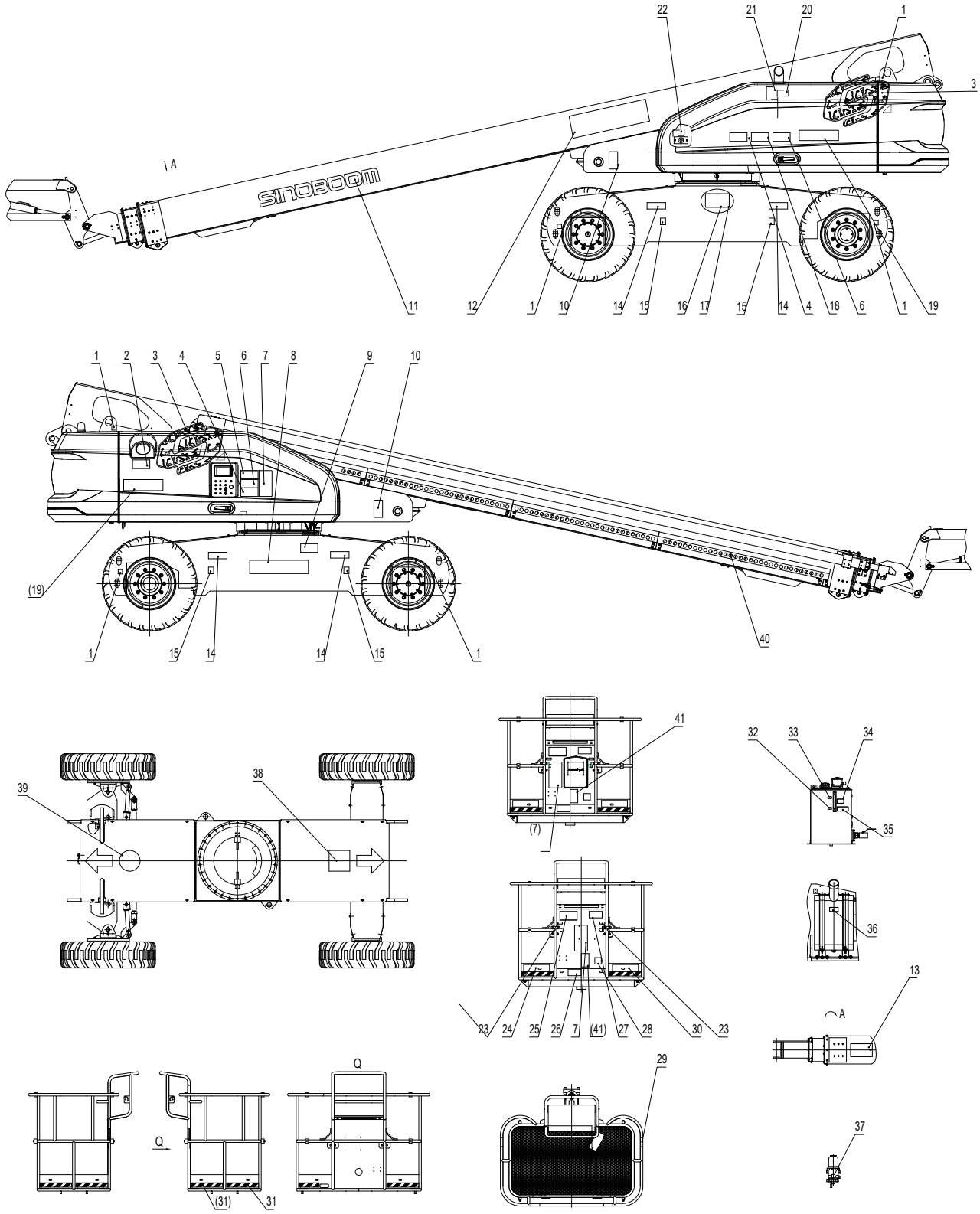

1
2
3
4
5
6
7
8
9
10
(19)
1
15
14
14
15
1
40


13
A
39
38
(7)
36
37
23
24
25
26
7
27
28
30
23
Q
Q
(31)
31
29
32
33
34
35

No.	Part No.	Qty.	Description
	105031100002	1	Decals(CE)-GTBZ26
	105032100003	1	Decals(CE)-GTBZ28J
1	104011100002	6	Decal-Lifting lugs
2	104011100014	1	Decal-Explosion hazard
3	105045103002	2	LOGO-symbol
4	104011100006	2	Decal-Bulkhead overhaul
5	104011100013	1	Decal-Electrocution hazard
6	104011100007	1	Decal-Tipping hazard
7	104011100020	2	Decal-General safety
8	105001100050	1	Decal-Contact information
9	104011100022	1	Decal-Turntable rotary lock
10	104011100011	2	Decal-Crush hazard
11	105057103001	1	LOGO-SINOBOOM
12-1	105031103004	1	Decal-TB26
12-2	105032103017	1	Decal-TB28J
13	104011100012	1	Decal-Fall hazard
14	104011100001	4	Decal-Tipping hazard
15	105004100001	4	Decal-Max. load of tire to ground 10000kg/22046 lb
16	105001100056	1	Nameplate, CE
17	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
18	104011100005	1	Decal-Explosion hazard
19-1	105031103005	2	Decal-TB26
19-2	105032103018	2	Decal-TB28J
20	104011100008	1	Decal-Noise 82dB
21	104011100018	1	Decal-Burn hazard
22	104011100016	1	Decal-Emergency stop switch
23	101016100030	2	Decal-Lanyard anchorage points
24	104010100015	1	Decal-Tipping hazard
25	105021100003	1	Decal-Tipping hazard
26	104011100019	1	Decal-Crush hazard
27	104011100009	1	Decal-Read manuals
28	104011100017	1	Decal-Footswitch
29	104011100021	4	Decal-Crush hazard
30	104010100014	1	Decal-Rated load 250kg/551 lb
31	216060000002	4	Attention line
32	104011100003	1	Decal-Hydraulic oil level
33	104011100010	1	Decal-Hydraulic oil level

No.	Part No.	Qty.	Description
34	104010100021	1	Decal-Hydraulic oil temperature range
35	104009100022	1	Decal-Hydraulic oil
36	104009100021	1	Decal-Diesel fuels
37	104009100020	1	Decal-Fuel-water separator
38	105001100051	1	Decal-Direction
39	105001100053	1	Decal-Direction

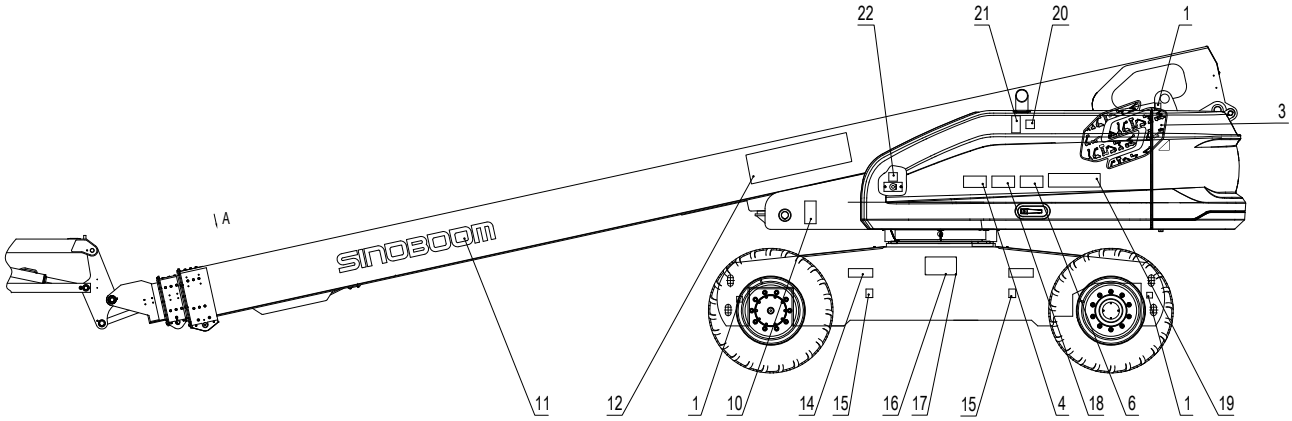
8.3 DECALS-CSA

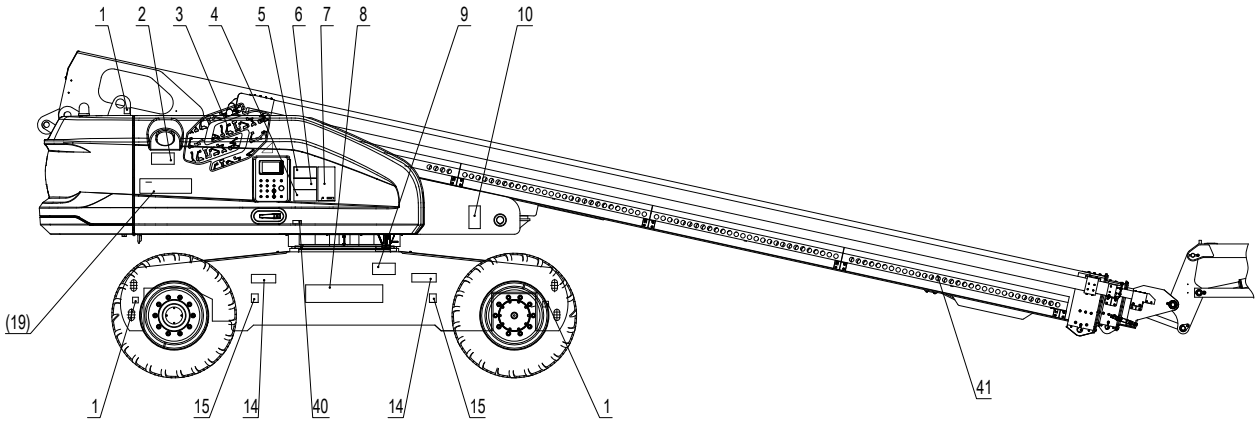


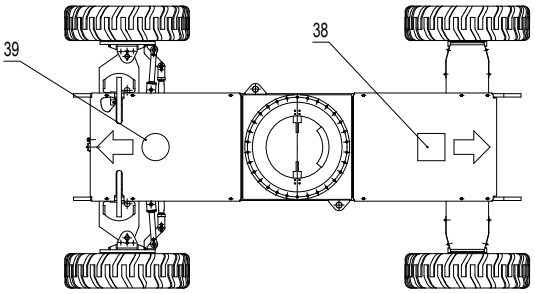
No.	Part No.	Qty.	Description
	105031103003	1	Decals(CSA)-GTBZ26
	105032103016	1	Decals(CSA)-GTBZ28J
1	104011100002	6	Decal-Lifting lugs
2	104011100014	1	Decal-Explosion hazard
3	105003100002	2	LOGO-symbol
4	104011100006	2	Decal-Bulkhead overhaul
5	104011100013	1	Decal-Electrocution hazard
6	104011100007	1	Decal-Tipping hazard
7	104011100020	2	Decal-General safety
8	105001100050	1	Decal-Contact information
9	104011100022	1	Decal-Turntable rotary lock
10	104011100011	2	Decal-Crush hazard
11	105001100070	1	LOGO-SINOBOOM
12-1	105031103002	1	Decal-TB850
12-2	105032103015	1	Decal-TB910J
13	104011100012	1	Decal-Fall hazard
14	104011100001	4	Decal-Tipping hazard
15	105004100001	4	Decal-Max. load of tire to ground 10000kg/22046 lb
16	103006103002	1	Nameplate CSA
17	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
18	104011100005	1	Decal-Explosion hazard
19-1	105031103001	2	Decal-TB850
19-2	105032103014	2	Decal-TB910J
20	104011100008	1	Decal-Noise 82dB
21	104011100018	1	Decal-Burn hazard
22	104011100016	1	Decal-Emergency stop switch
23	101016100030	2	Decal-Lanyard anchorage points
24	104010100015	1	Decal-Tipping hazard
25	105021100003	1	Decal-Tipping hazard
26	104011100019	1	Decal-Crush hazard
27	104011100009	1	Decal-Read manuals
28	104011100017	1	Decal-Footswitch
29	104011100021	4	Decal-Crush hazard
30	104010100014	1	Decal-Rated load 250kg/551 lb
31	216060000002	1	Attention line
32	104011100003	1	Decal-Hydraulic oil level
33	104011100010	1	Decal-Hydraulic oil level

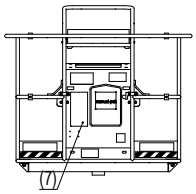
No.	Part No.	Qty.	Description
34	104010100021	1	Decal-Hydraulic oil temperature range
35	104009100022	1	Decal-Hydraulic oil
36	104009100021	1	Decal-Diesel fuels
37	104009100020	1	Decal-Fuel-water separator
38	105001100051	1	Decal-Direction
39	105001100053	1	Decal-Direction
41	105029103023	1	Decal-Operating instructions

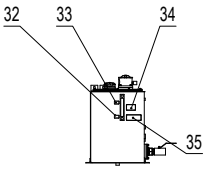
8.4 DECALS-ANSI

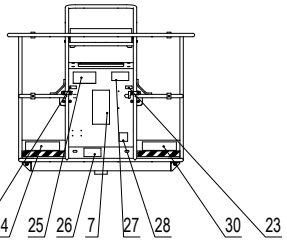


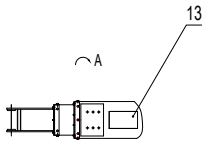


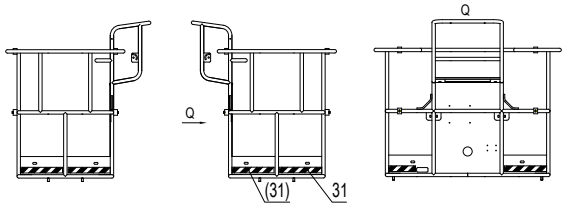


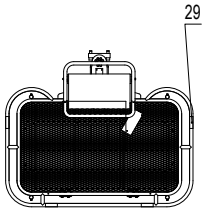


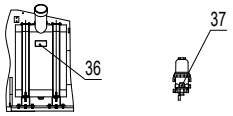












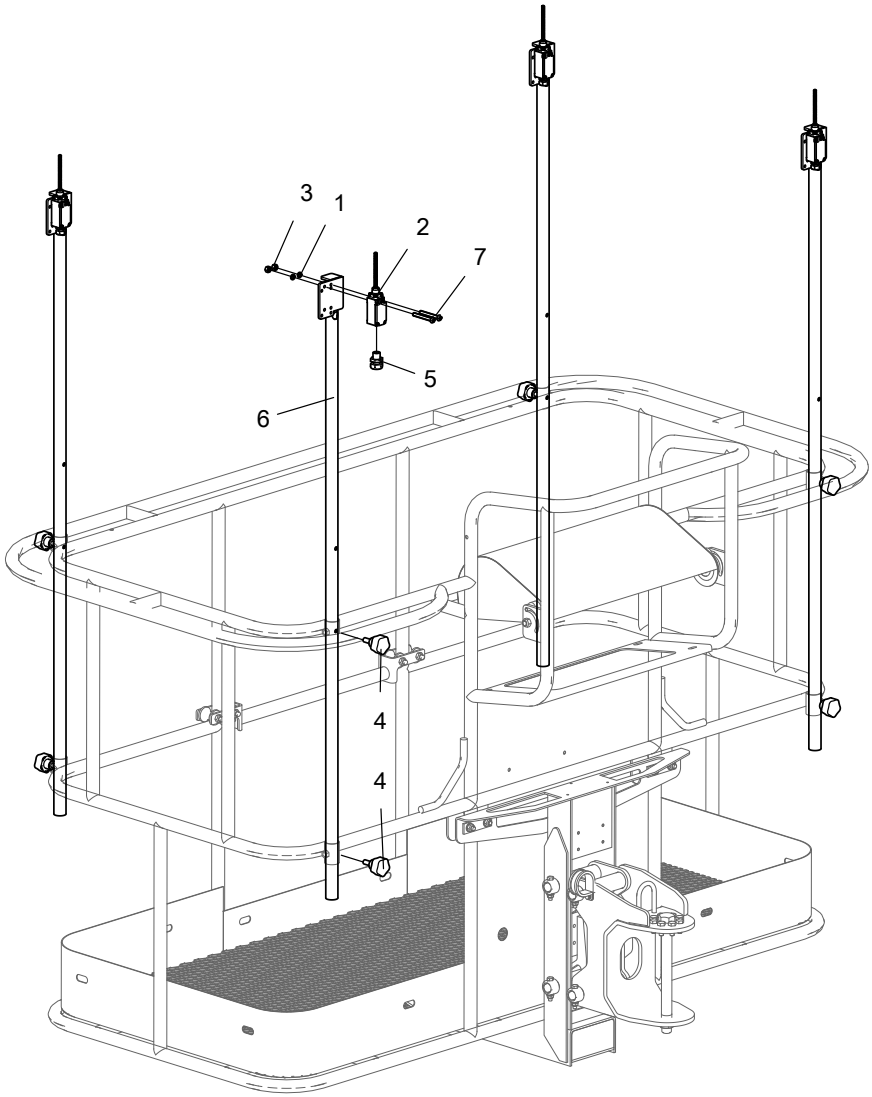
No.	Part No.	Qty.	Description
	105032103010	1	Decals(ANSI)-GTBZ28J
1	104011100002	6	Decal-Lifting lugs
2	104011100014	1	Decal-Explosion hazard
3	105003100002	2	LOGO-symbol
4	104011100006	2	Decal-Bulkhead overhaul
5	104011100013	1	Decal-Electrocution hazard
6	104011100007	1	Decal-Tipping hazard
7	104011100020	2	Decal-General safety
8	105001100050	1	Decal-Contact information
9	104011100022	1	Decal-Turntable rotary lock
10	104011100011	2	Decal-Crush hazard
11	105001100070	1	LOGO-SINOBOOM
12	105004000005	1	GTBZ28J
13	104011100012	1	Decal-Fall hazard
14	104011100001	4	Decal-Tipping hazard
15	105032103008	4	Decal-Max. load of tire to ground 10000kg/22046 lb
16	103007103000	1	Nameplate ANSI
17	215050000012	4	Blind rivet 4×8-ZnD GB/T 12618.2
18	104011100005	1	Decal-Explosion hazard
19	105004100002	2	GTBZ28J
20	104011100008	1	Decal-Noise 82dB
21	104011100018	1	Decal-Burn hazard
22	104011100016	1	Decal-Emergency stop switch
23	101016100030	2	Decal-Lanyard anchorage points
24	103007103002	1	Decal-Tipping hazard
25	105021100003	1	Decal-Tipping hazard
26	104011100019	1	Decal-Crush hazard
27	104011100009	1	Decal-Read manuals
28	104011100017	1	Decal-Footswitch
29	104011100021	4	Decal-Crush hazard
30	105032103003	1	Decal-Rated load 250kg/551 lb
31	216060000002	4	Attention line
32	104011100003	1	Decal-Hydraulic oil level
33	104011100010	1	Decal-Hydraulic oil level
34	104010100021	1	Decal-Hydraulic oil temperature range
35	104009100022	1	Decal-Hydraulic oil
36	104009100021	1	Decal-Diesel fuels

No.	Part No.	Qty.	Description
37	104009100020	1	Decal-Fuel-water separator
38	105001100051	1	Decal-Direction
39	105001100053	1	Decal-Direction
40	101040103015	1	Decal-Annual inspection

This Page Intentionally Left Blank

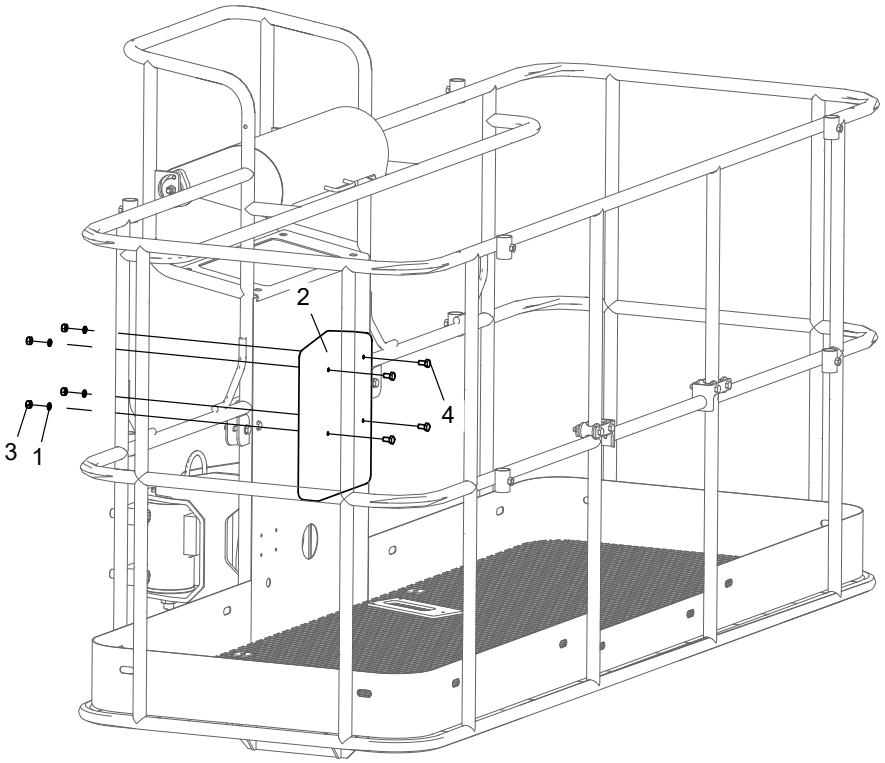
9 SPECIAL OPTIONS

9.1 OVERHEAD PROTECTION INSTALLATION



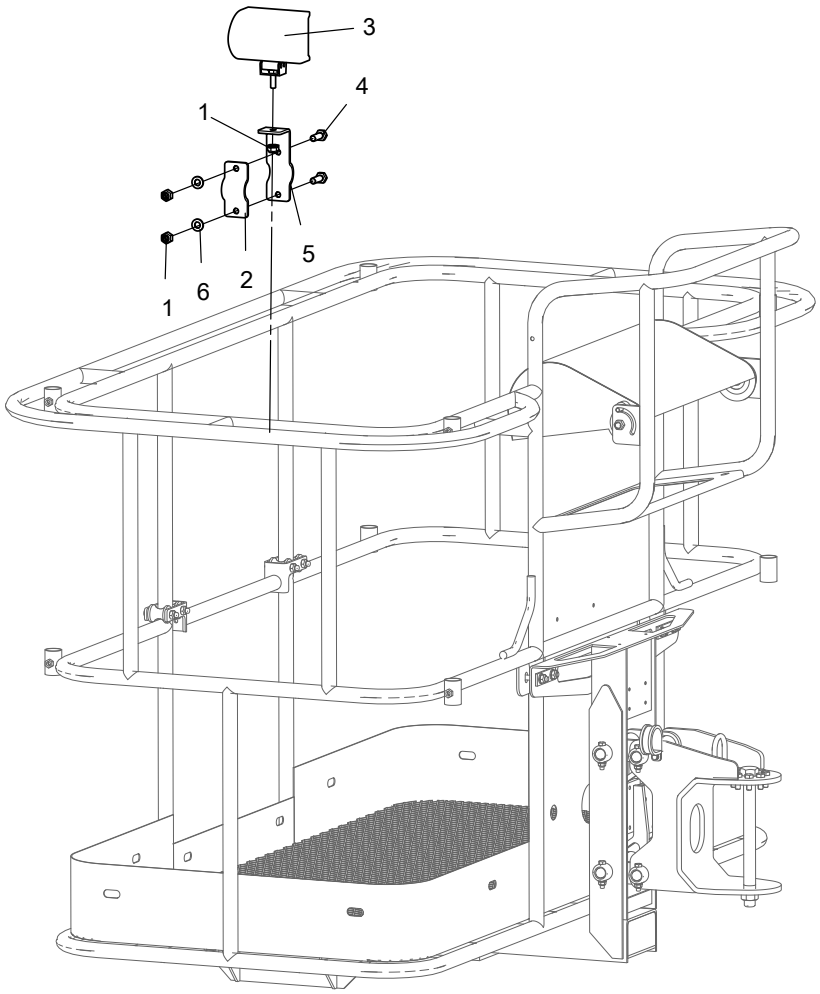
No.	Part No.	Qty.	Description
1	215040000003	8	Washer 5-A2-70 GB/T 93
2	203060000056	4	Limit switch
3	215030000003	8	Nut M5-A2-70 GB/T 6170
4	209030000006	8	Bolt, star-headed
5	203990000005	4	Connector, waterproof, nylon
6	105017060001	4	Steel pipe, overhead
7	215020000215	8	Screw M5×40-A2-70 GB/T 818

9.2 MANUAL STORAGE CONTAINER INSTALLATION



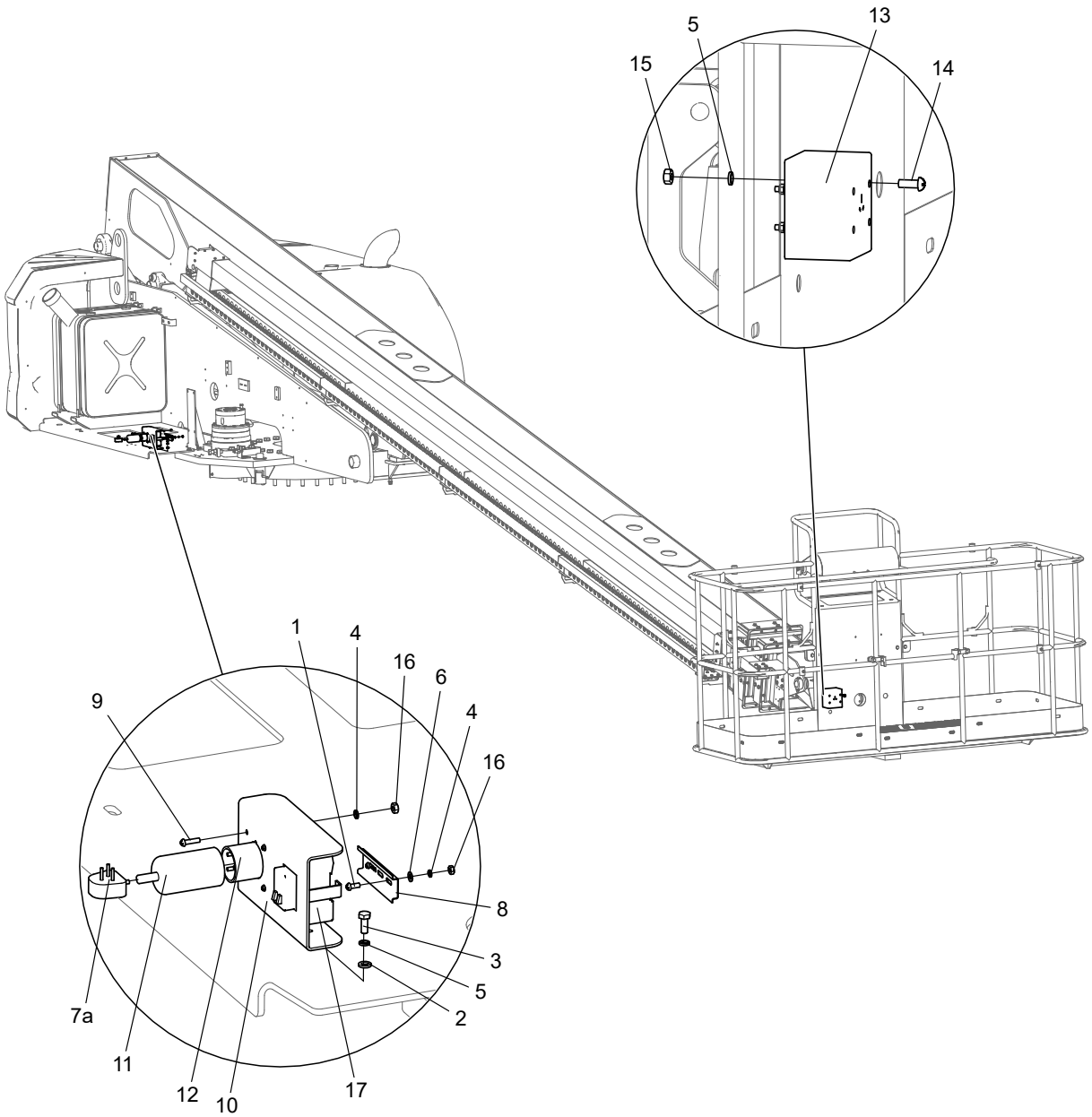
No.	Part No.	Qty.	Description
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

9.3 WORK LIGHT INSTALLATION



No.	Part No.	Qty.	Description
1	215030000026	3	Nut M8-8-ZnD GB/T889.1
2	105017060067	1	Clamp
3	203050000020	1	Work Light, LED
4	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
5	105017060066	1	Clamp
6	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1

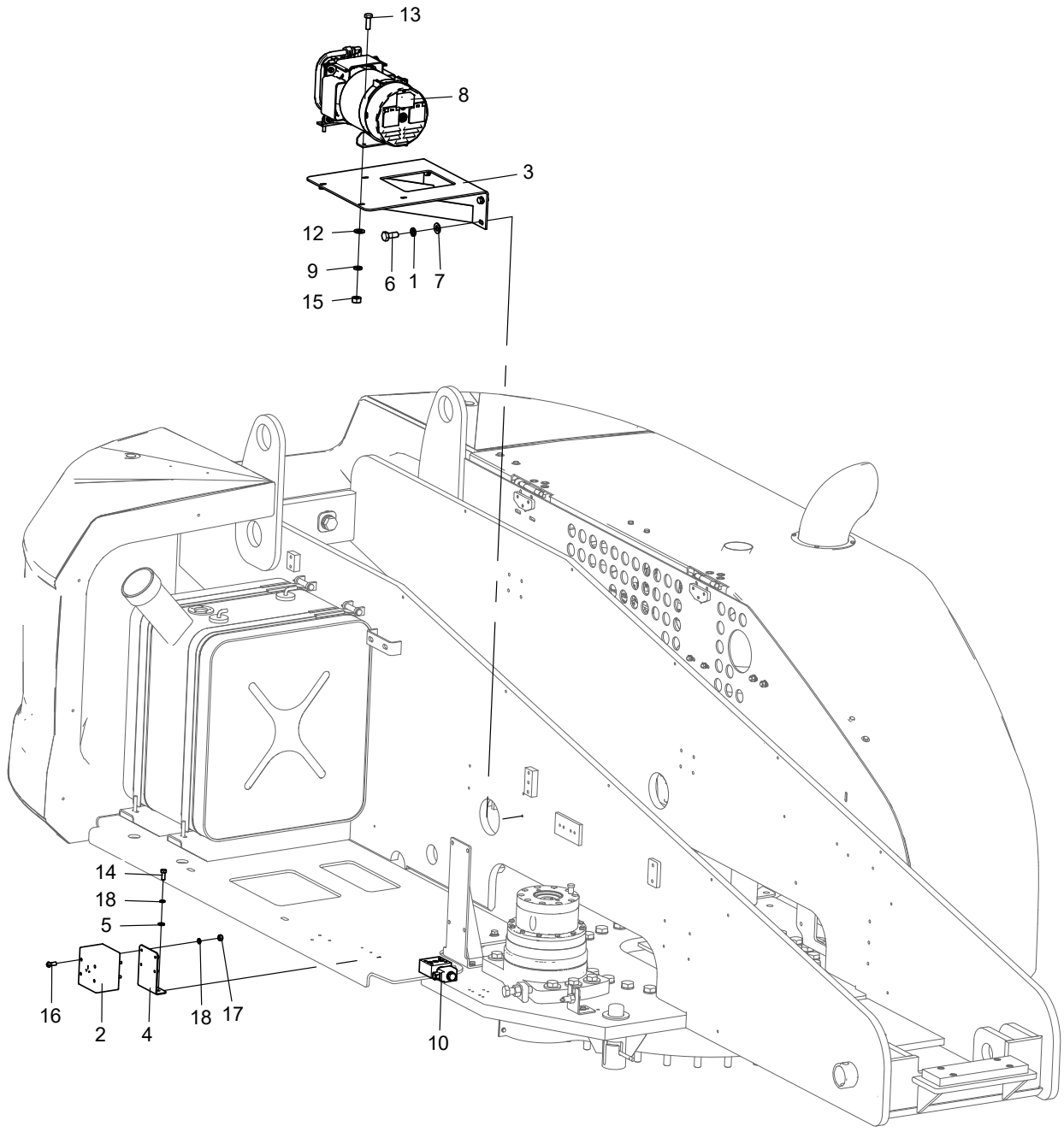
9.4 AC BOX AT PLATFORM INSTALLATION



© Sep 2020

No.	Part No.	Qty.	Description
1	215020000104	2	Screw M4×10-A2-70 GB/T 818
2	215040000033	1	Washer 6-A2 GB/T 97.1
3	215010000050	2	Bolt M6×16-A2-70 GB/T 5783
4	215040000002	6	Washer 4-A2-70 GB/T 93
5	215040000004	6	Washer 6-A2-70 GB/T 93
6	215040000031	2	Washer 4-A2 GB/T 97.1
7	105003060014	1	Platform AC power harness(Not shown)
7a	105017060063	1	Charger plug (with cord) options
7a-1	203080000175	1	Charger cord and plug(Type I, China and Australian specs)
7a-2	203080000173	1	Charger cord and plug (Type M, Macao specs)
7a-3	203080000176	1	Charger cord and plug (Type B, American and South American specs)
7a-4	203080000174	1	Charger cord and plug (Type J, Swiss specs)
7a-5	203080000177	1	Charger cord and plug (Type E+F, European and Brazilian specs)
7a-6	203080000178	1	Charger cord and plug (Type G, HongKong and Middle East specs)
7b	203080000274	35	Cable, cable track
8	203990000001	1	Guiderail
9	215020000106	4	Screw M4×16-A2-70 GB/T 818
10	105017060058	1	Bracket, leakage protector
11	203080000167	1	Plug, WEIPU
12	203080000168	1	Receptacle, WEIPU, 16A
13	203080000249	1	Receptacle, waterproof
14	215020000116	4	Screw M6×16-A2-70 GB/T 818
15	215030000004	4	Nut M6-A2-70 GB/T 6170
16	215030000002	6	Nut M4-8-A2-70 GB/T 6170
17	203160000002	1	Current leakage protector

9.5 HYDRAULIC GENERATOR INSTALLATION



No.	Part No.	Qty.	Description
1	215040000006	4	Washer 10-ZnD GB/T 93
2	203080000249	1	Receptacle, waterproof
3	105001020232	1	Bracket, hydraulic generator
4	105017060061	1	Bracket, waterproof receptacle
5	215040000033	2	Washer 6-A2 GB/T 97.1
6	215010000069	4	Nut M10×25-8.8-ZnD GB/T 5783
7	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
8	203180000001	1	Hydraulic generator
9	215040000005	4	Washer 8-ZnD GB/T 93
10	202040000015	1	Manifold, generator
11	105003060015	1	Harness, hydraulic generator(Not shown)
11a	203080000274	37	Cable, cable track
12	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
13	215010000058	4	Bolt M8×25-8.8-ZnD GB/T 5783
14	215010000050	2	Bolt M6×16-A2-70 GB/T 5783
15	215030000005	4	Nut M8-8-ZnD GB/T 6170
16	215020000116	4	Screw M6×16-A2-70 GB/T 818
17	215030000004	4	Nut M6-A2-70 GB/T 6170
18	215040000004	6	Washer 6-A2-70 GB/T 93

Always for Better Access Solutions

Hunan Sinoboom Intelligent Equipment Co., Ltd.

No.128, East Jinzhou Avenue, Ningxiang High-tech Industrial Park, Changsha, Hunan, China

0086-0731-87116222 (Sales) & 0086-0731-87116333 (Service)
sales@sinoboom.com
www.sinoboom.com

North American Subsidiary

Sinoboom North American LLC

310 Mason Creek Drive
unit #100
Katy, TX 77450, US
Tel: (281) 729–5425
E-mail: info@sinoboom.us

Europe Subsidiary

Sinoboom B.V.

Nikkelstraat 26, NL-2984 AM Ridderkerk,
The Netherlands
Tel: +31 180 225 666
E-mail: info@sinoboom.eu

Korea Subsidiary

Sinoboom Korea Co., Ltd.

95, Docheong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea
Tel: 010–8310–8026
E-mail: ka1@sinoboom.com

Australia Subsidiary

Sinoboom Intelligent Equipment Pty Ltd.

112 Robinson Road #03-01 Robinson 112
Singapore 068902

Singapore Subsidiary

Star Access Solutions Pte. Ltd.

50/358 Clarendon St, South Melbourne
VIC 3205, Australia
E-mail: au@sinoboom.com