

SWIFT TS06E

Elevating Work Platform PARTS MANUAL

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Proud Member of:



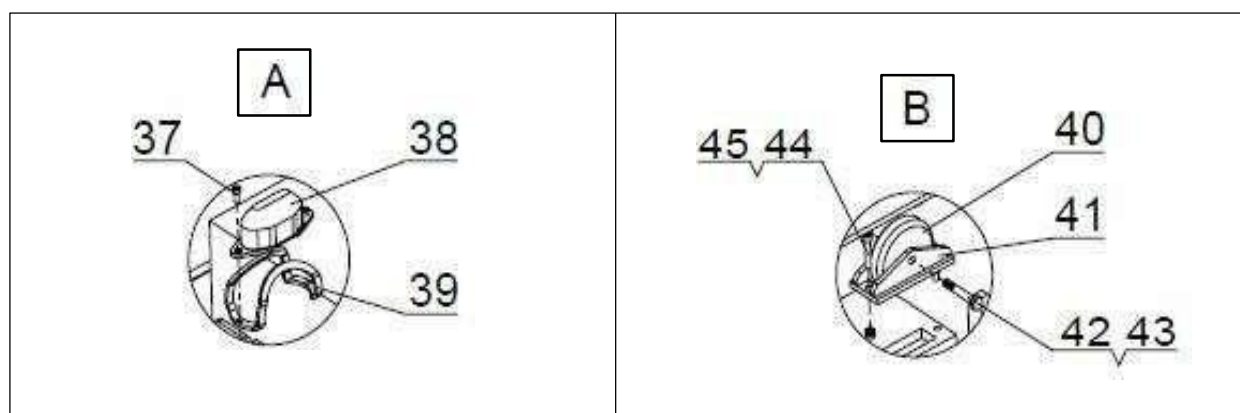
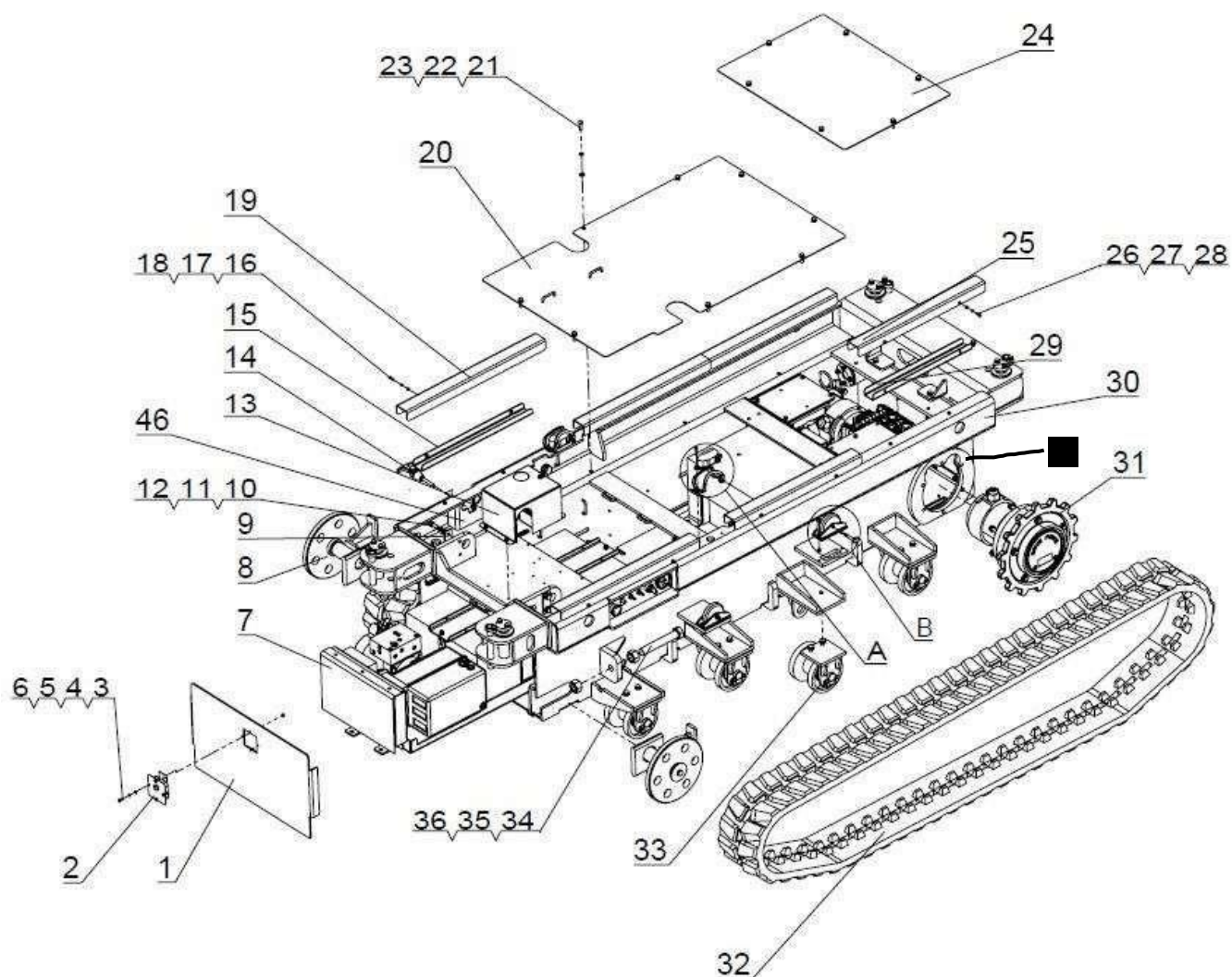
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Chapter 1

Chassis Assembly

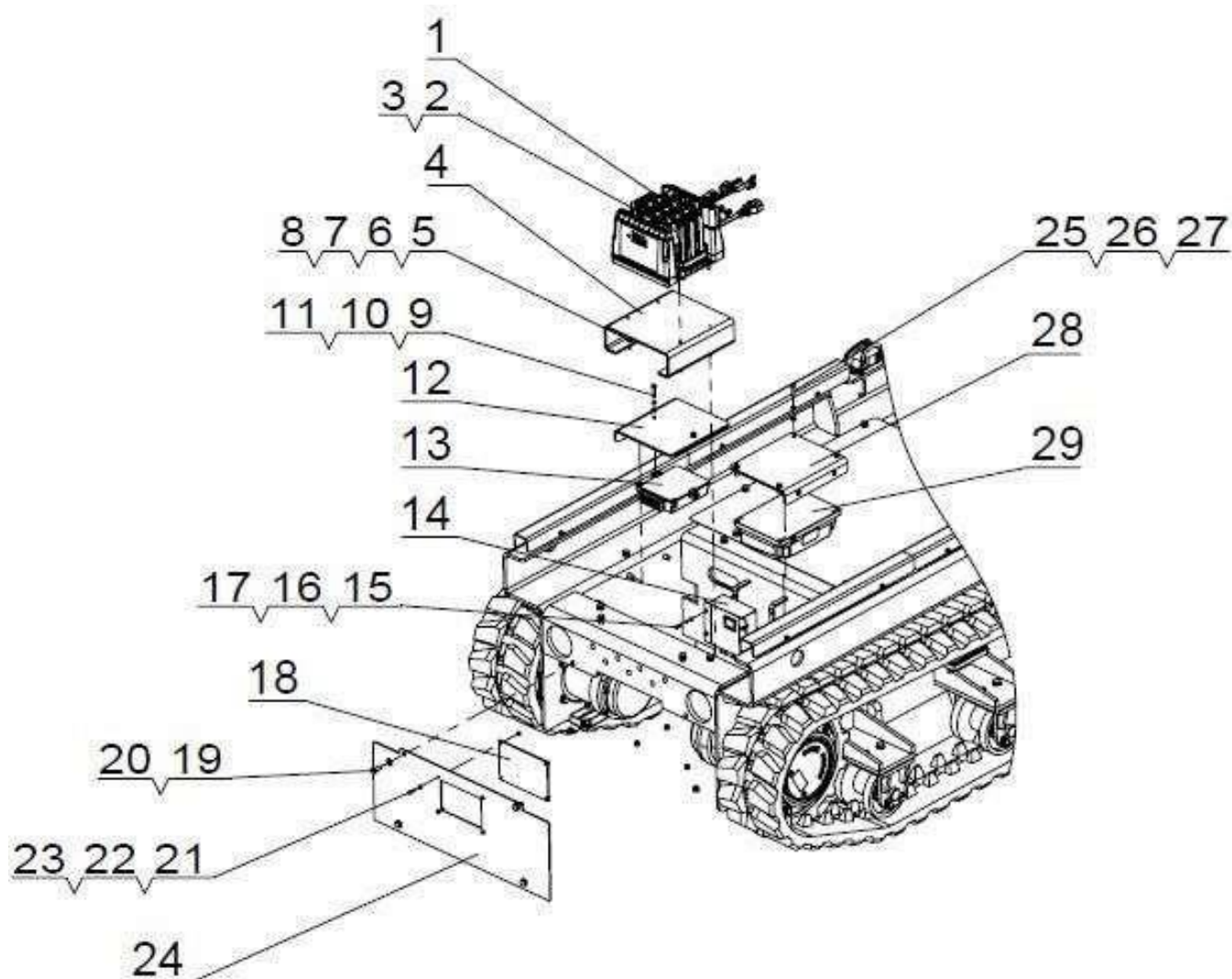
1.1 Chassis Assembly-1



Chassis Assembly

Item	Part No.	Description	Qty.
1	602110000604	Gate	1
2	609110000060	Door lock	1
3	608100000318	Screw (M5×15)	4
4	608100000326	Washer (5)	4
5	608100000282	Washer (5)	4
6	608100000276	Nut (M5)	4
7	602010000747	Sliding Tray	1
8a	602010000466	Left Tension Wheel Assembly	1
8b	602010000467	Right Tension Wheel Assembly	1
9	602310000245	Plate	2
10	608100000248	Bolt (M10×25)	2
11	608100000328	Washer (10)	2
12	608100000279	Washer (10)	2
13	602010000520	Assy, Limit Switch	1
14	606110000709	Emergency Pull Wire	1
15	602110001156	Wire Slot	2
16	608100000354	Bolt (M5×16)	8
17	608100000326	Washer (5)	8
18	608100000282	Washer (5)	8
19	602210001829	Cover Plate	2
20	602110001290	Cover Plate	1
21	608100000257	Bolt (M8×25)	14
22	608100000306	Washer (8)	14
23	608100000284	Washer (8)	14
24	602310001954	Cover Plate	1
25	602210000183	Cover Plate	4
26	608100000354	Bolt (M5×16)	16
27	608100000326	Washer (5)	16
28	608100000282	Washer (5)	16
29	602110001157	Wire Slot	4
30	602110001146	Chassis Weldment	1
31	602010000418	Driving Wheel Assembly	2
32-1	609110000167	Track (Grey)	2
32-2	609110000031	Track (Black)	2
33	602010000425	Supporting Wheel Assembly	8
34	608100000534	Bolt (M24×150)	2
35	608100000535	Nut (M24)	2
36	608100000535	Nut (M24)	2
37	608100000385	Screw (M5×12)	4
38		Ref. Electric Wiring Distribution (Refer to 5.1)	
39	602210000232	Forming, Beacon Mount	2
40	602010000506	Track Support Wheel	8
41	602110000693	Support Frame	8
42	602710000223	Pin	8
43	608100000278	Nut (M8)	8
44	608100000346	Screw (M6×35)	16
45	608100000277	Nut (M6)	16
46	605110000343	Air Switch (Optional)	1
N/A	606110000468	8lt Oil Tank	1

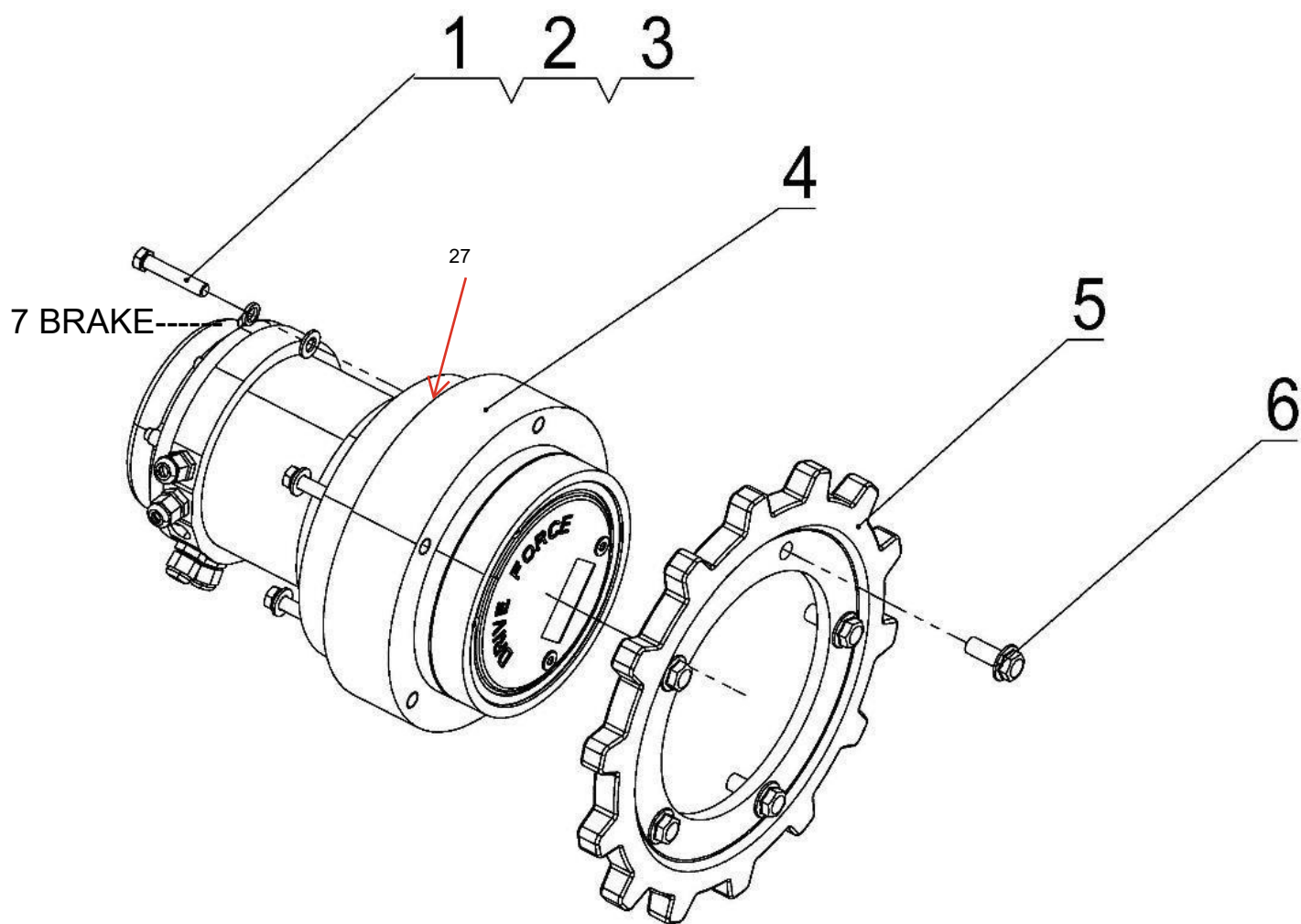
1.2 Chassis Assembly-2



Chassis Assembly

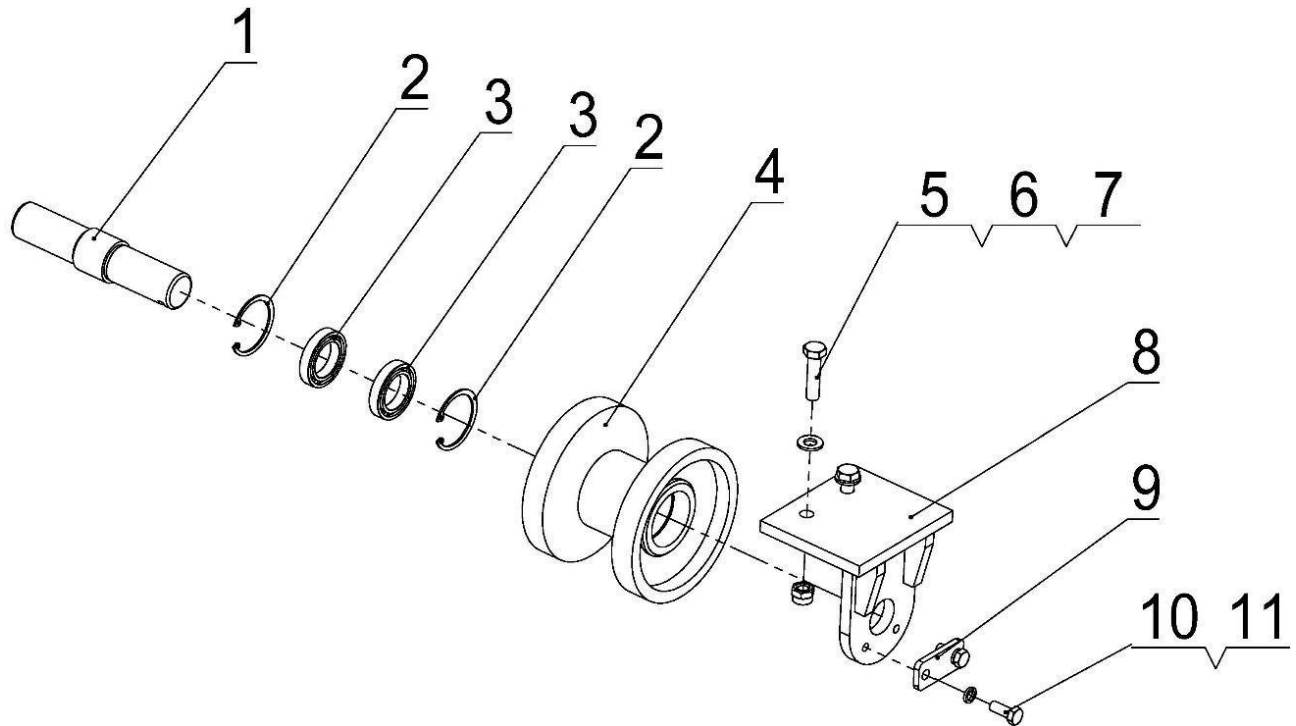
Item	Part No.	Description	Qty.
1		Ref. Electric Wiring Distribution (refer to 5.1)	
2	608100000353	Screw (M6×20)	4
3	608100000283	Washer (6)	4
4	602210001039	Charger Mounting Plate	1
5	608100000296	Bolt (M6×25)	4
6	608100000327	Washer (6)	4
7	608100000283	Washer (6)	4
8	608100000277	Nut (M6)	4
9	608100000296	Bolt (M6×25)	2
10	608100000327	Washer (6)	2
11	608100000283	Washer (6)	2
12	602110000791	Weldment , GPS/ Motor Mounting Plate	1
13	605100000406	Gateway (Optional)	1
14		Ref. Electric Wiring Distribution (refer to 5.1)	
15	608100000261	Screw (M4×16)	4
16	608100000325	Washer (4)	4
17	608100000281	Washer (4)	4
18	602310000960	Transparent Plate	1
19	608100000259	Bolt (M8×20)	4
20	608100000284	Washer (8)	4
21	608100000261	Screw (M4×16)	4
22	608100000281	Washer (4)	4
23	608100000300	Nut (M4)	4
24	602310001050	Gate	1
25	608100000296	Bolt (M6×25)	4
26	608100000327	Washer (6)	4
27	608100000283	Washer (6)	4
28	602110000791	Weldment , GPS/ Motor Mounting Plate	1
29		Ref. Electric Wiring Distribution (refer to 5.1)	

1.3 Driving Wheel Assembly



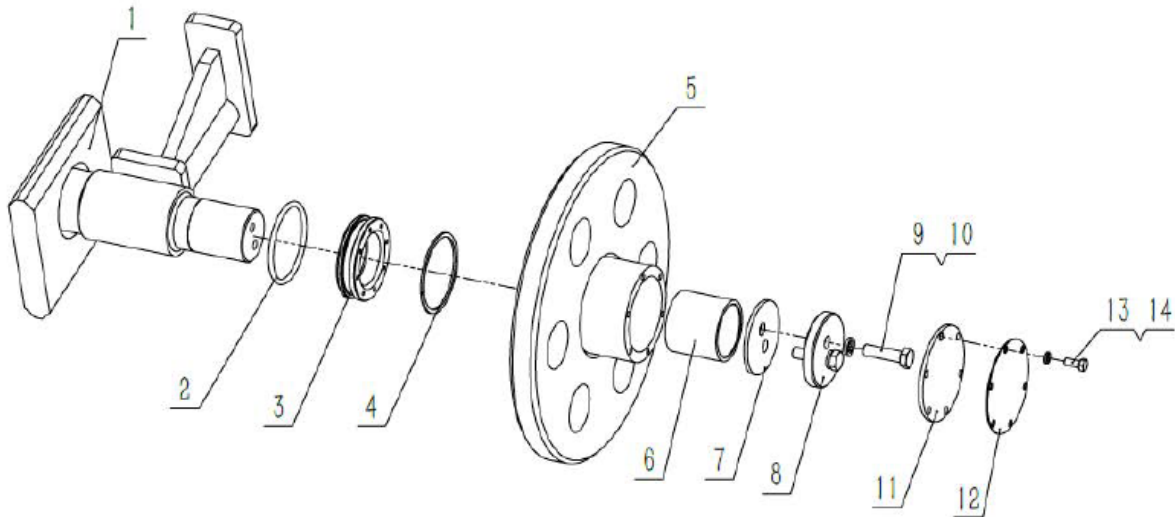
Item	Part No.	Description	Qty
1	608100000505	HFBOLT3/8-16UNC×2	6
2	608100000526	ASME/ANSI B 18.21.1-2009 3/8	6
3	608100000279	Washer (10)	6
4		Ref. Electric wiring distribution (refer to 5.1)	
5	602310000506	Driving Wheel	1
6	608100000558	Bolt (M12×30×1.5)	5
7	605110000916	Brake Assembly	2
27	605110001148	Lip Seal	

1.4 Supporting Wheel Assembly



Item	Part No.	Description	Qty
1	602710000168	Wheel Axle	1
2	608100000368	Hole Retaining Ring (47)	2
3	608100000126	Bearing	2
4	602710000038	Wheel	1
5	608100000335	Bolt (M10×40)	2
6	608100000279	Washer (10)	2
7	608100000274	Nut (M10)	2
8	602110000539	Support Frame	1
9	602310000769	Baffle Plate	1
10	608100000439	Bolt (M8×20)	2
11	608100000306	Washer (8)	2
12	608100000186	Seal (Not Shown)	1

1.5 Tension Wheel Assembly



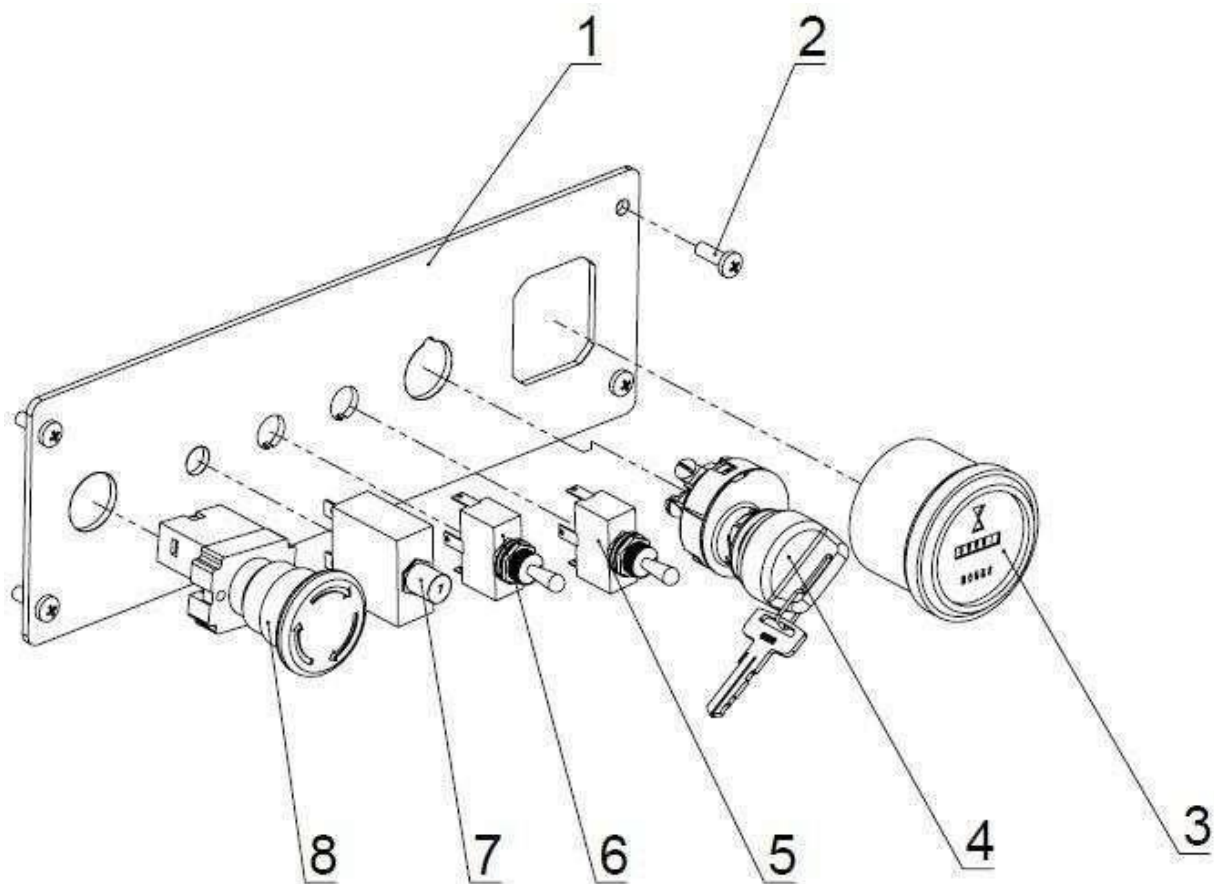
Item	Part No.	Description	Qty
1	602110001900	FS0610TL Welds, left tensioning wheel shaft	1
	602110001899	FS0610TL Welds, right tensioning wheel shaft	1
2	608100000745	GB/T3452.1-0 53x3.55 Ring	1
3	602310002937	FS0610TL Copper pad	1
4	606110001868	Sealing washer	1
5	602110001956	FS0610TL Weldment, tensioning wheel set	1
6	603110000010	ID38.1 X OD44.45 X L40 Axle sleeve	1
7	602310003130	FS0610TL Copper pad II	1
8	602310002938	FS0610TL Plate	1
9	608100000456	GB/T5783 M8 x 30 Bolt	2
10	608100000306	GB/T93 Washer 8	2
11	603110000567	FS0610TL Sealing pad	1
12	602310003045	FS0610TL Cover	1
13	608100000689	GB/T5783 M5 x 12 Bolt	1
14	608100000326	GB/T93 Washer 5	1

Complete Assembly includes all of above:

602010001216 - LHS

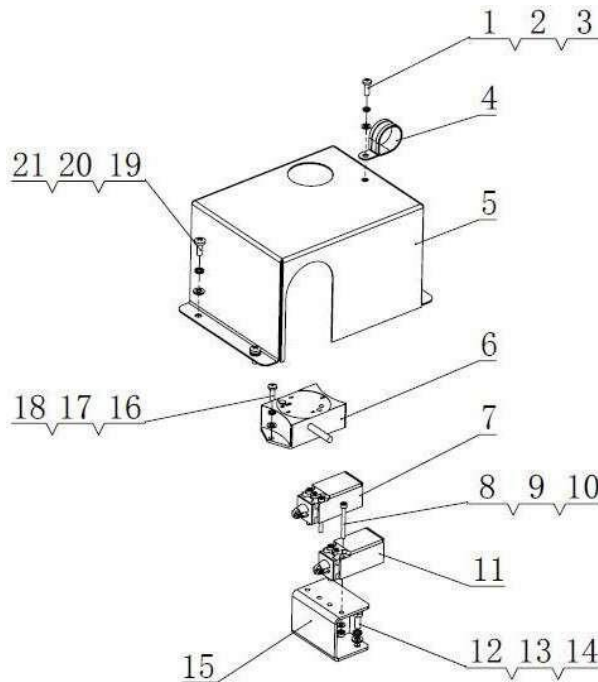
602010001215 - RHS

1.6 Control Panel



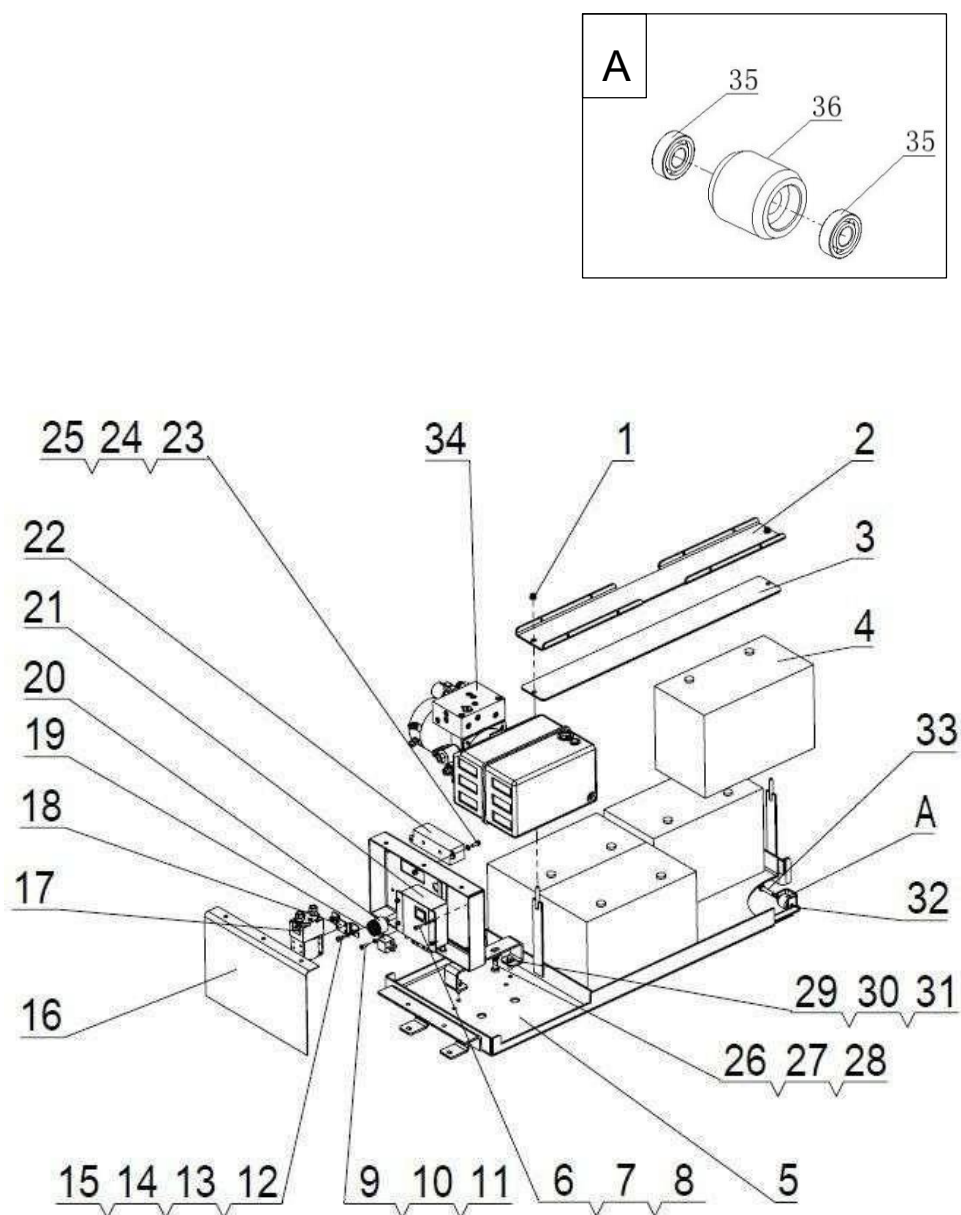
Item	Part No.	Description	Qty.
1	602310000720	Control Panel	1
2	608100000318	Screw (M5×15)	4
3		Ref. Electric wiring distribution (refer to 5.1)	
4		Ref. Electric wiring distribution (refer to 5.1)	
5		Ref. Electric wiring distribution (refer to 5.1)	
6		Ref. Electric wiring distribution (refer to 5.1)	
7		Ref. Electric wiring distribution (refer to 5.1)	
8		Ref. Electric wiring distribution (refer to 5.1)	

1.7 Testing Assembly



Item	Part No.	Description	Qty.
1	608100000318	Screw (M5×15)	1
2	608100000326	Washer (5)	1
3	608100000282	Washer (5)	1
4	609110000071	Pipe Clamp	1
5	602110000741	Plate, Cover	1
6		Ref. Electric Wiring Distribution (Refer to 5.1)	
7		Ref. Electric Wiring Distribution (Refer to 5.1)	
8	608100000378	Screw (M4×40)	4
9	608100000281	Washer (4)	4
10	608100000300	Nut (M4)	4
11		Ref. Electric Wiring Distribution (Refer to 5.1)	
12	608100000254	Bolt (M6×16)	2
13	608100000327	Washer (6)	2
14	608100000283	Washer (6)	2
15	602110001396	Mounting Plate	1
16	608100000318	Screw (M5×15)	2
17	608100000326	Washer (5)	2
18	608100000282	Washer (5)	2
19	608100000295	Bolt (M6×15)	4
20	608100000327	Washer (6)	4
21	608100000283	Washer (6)	4

1.8 Sliding Tray Assembly

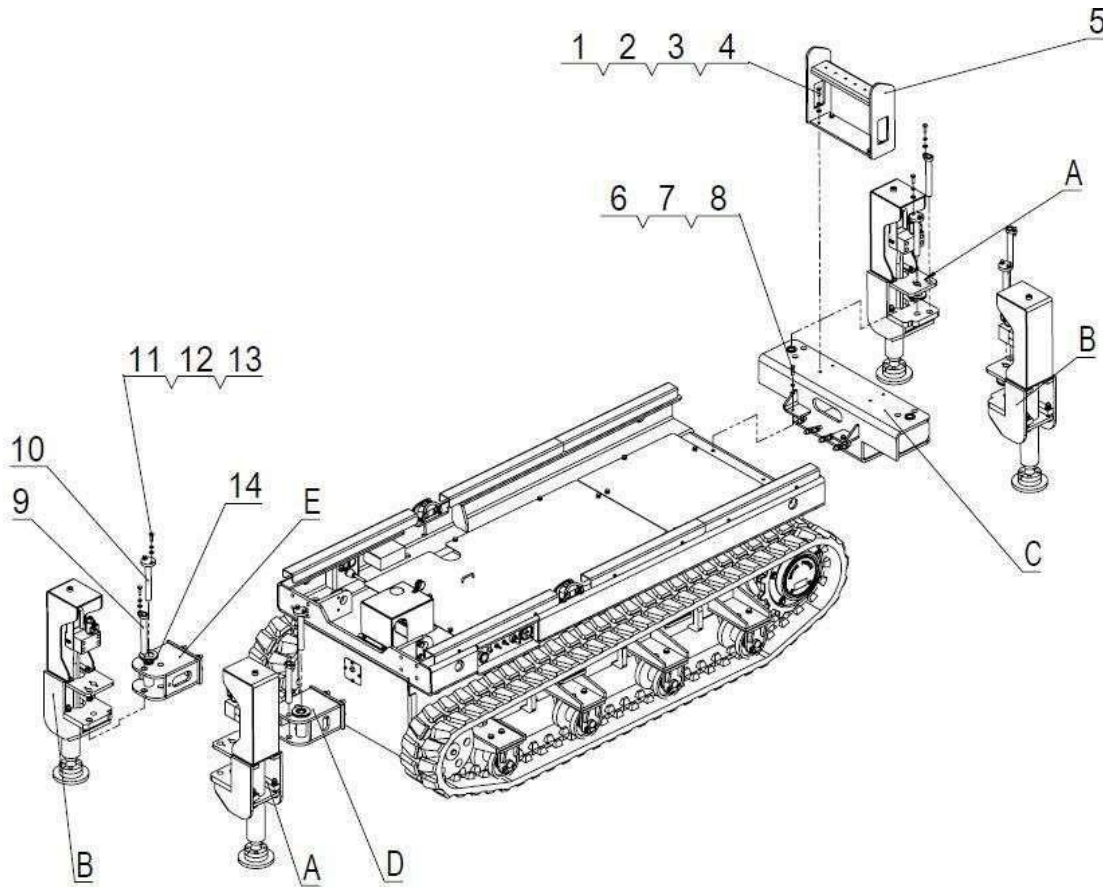


Chassis Assembly

Item	Part No.	Description	Qty.
1	608100000278	Nut (M8)	2
2	602310000951	Plate	1
3	603110000173	Plate	1
4		Ref. Electric Wiring Distribution (Refer to	
5	602110001148	5.1) Tray	1
6	608100000261	Screw (M4×16)	4
7	608100000325	Washer (4)	4
8	608100000281	Washer (4)	4
9	608100000318	Screw (M5×15)	1
10	608100000282	Washer (5)	1
11	608100000276	Nut (M5)	1
12	608100000295	Bolt (M6×15)	2
13	608100000327	Washer (6)	2
14	608100000283	Washer (6)	2
15	608100000277	Nut (M6)	2
16	609110000061	Plate	1
17		Ref. Electric Wiring Distribution (Refer to	
18	602210000776	5.1) Contactor, Mounting Plate	1
19		Ref. Electric Wiring Distribution (Refer to	
20		5.1) Ref. Electric Wiring Distribution (Refer	
21		to 5.1) Ref. Electric Wiring	
22		Distribution (Refer to 5.1) Ref. Electric	
23	608100000254	Wiring Distribution (Refer to 5.1) Bolt	2
24	608100000283	(M6×16)	2
25	608100000277	Washer (6)	2
26	608100000247	Nut (M6)	2
27	608100000328	Bolt (M10×20)	2
28	608100000279	Washer (10)	2
29	608100000257	Washer (10)	2
30	608100000306	Bolt (M8×25)	2
31	608100000284	Washer (8)	2
32	608100000278	Washer (8)	6
33	602710000185	Nut (M8)	6
34		Pin	
A	602010000495	Ref. Electric Wiring Distribution (Refer to	6
35	608100000126	5.1) Wheel Set, Tray	12
36	603110000037	Bearing	6

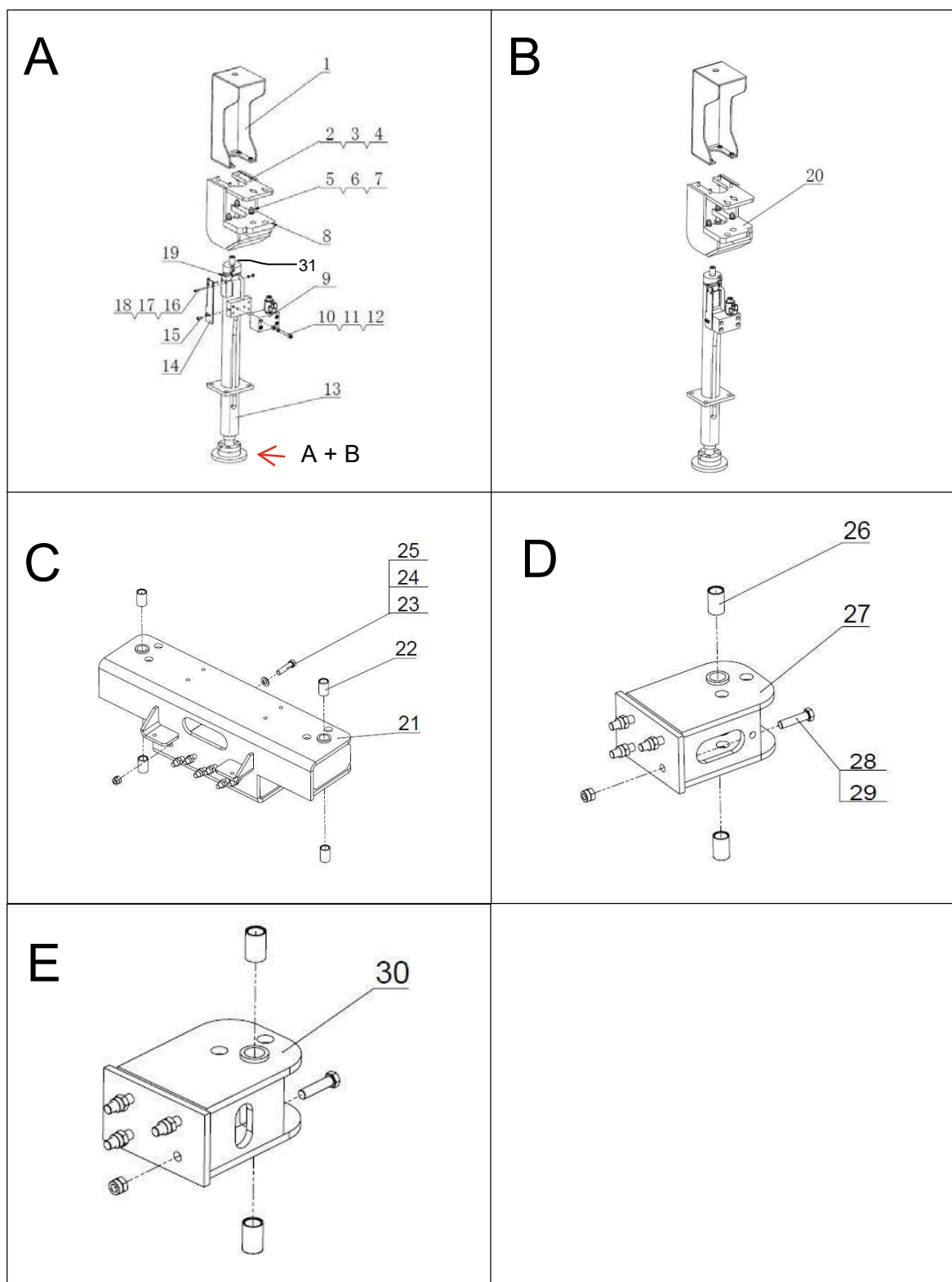
Wheel

1.9 Outrigger Assembly



Item	Part No.	Description	Qty.
1	608100000257	Bolt (M8×25)	4
2	608100000306	Washer (8)	4
3	608100000284	Washer (8)	4
4	608100000278	Nut (M8)	4
5	602110001149	Ladder	1
6	608100000363	Bolt (M8×30)	2
7	608100000306	Washer (8)	2
8	608100000284	Washer (8)	2
9	602710000335	Outrigger Fixing Pin #2	4
10	602710000334	Outrigger Fixing Pin #1	4
11	608100000257	Bolt (M8×25)	12
12	608100000306	Washer (8)	12
13	608100000284	Washer (8)	12
14	602310001775	Washer	4
A	602010000875	Leg Assembly #2	2
B	602010000874	Leg Assembly #1	2
C	602010000746	Outrigger Assembly #3	1
D	602010000743	Outrigger Assembly #2	1
E	602010000742	Outrigger Assembly #1	1

1.10 Outrigger Assembly



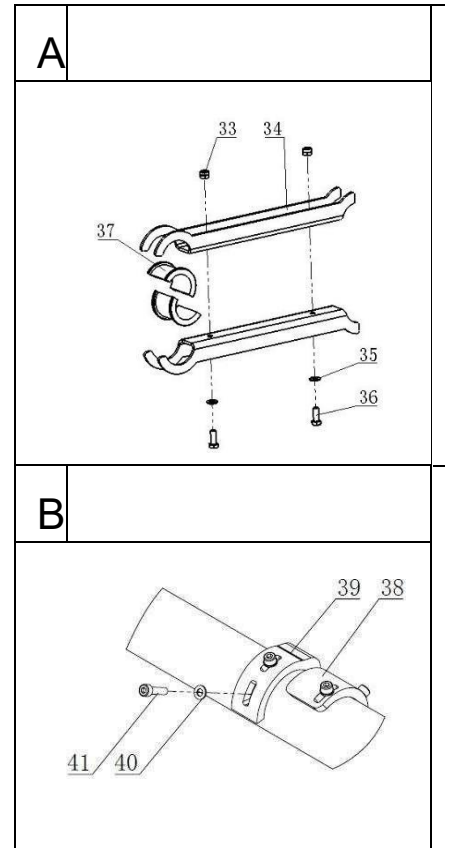
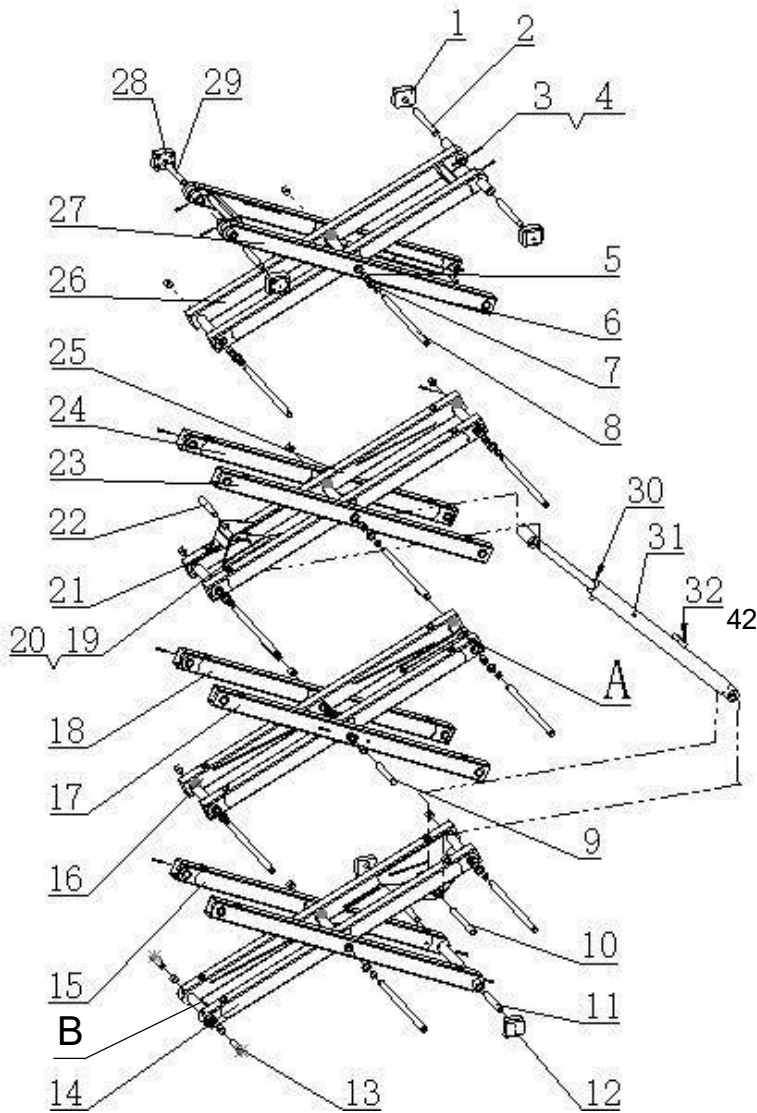
Chassis Assembly

Item	Part No.	Description	Qty.
1	602110001413	Outrigger Cylinder Shield	2
2	608100000363	Bolt (M8×30)	8
3	608100000306	Washer (8)	8
4	608100000284	Washer (8)	8
5	602710000365	Pin	8
6	608100000279	Washer (8)	8
7	608100000274	Nut (M10)	8
8	602110001412	Weldment, Outrigger Seat # II	1
9	606110001424	Outrigger Solenoid Valve	2
10	608100000507	Screw (M8×55)	8
11	608100000306	Washer (8)	8
12	608100000284	Washer (8)	8
13	602010000876	Assembly, Outrigger Cylinder	2
13	606110001406 B	Outrigger Cylinder Base	4
13	606110001405 A	Outrigger Oil Cylinder Pressing Plate Sold as pair	4
13	606110001409	Outrigger Cylinder	2
13	606110000938	Outrigger Cylinder Guide Column	2
14	602210002178	Limit Switch, Mounting Plate #I	2
15	608100000686	Screw (M6×12)	4
16	608100000378	Screw (M4×40)	4
17	608100000281	Washer (4)	4
18	608100000300	Nut (M4)	4
19		Ref. Electric Wiring Distribution (Refer to 5.1)	
20	602110001411	Weldment, Outrigger Seat #I	1
21	602110001145	Outrigger # III	1
22	603110000211	Bushing	4
23	608100000250	Bolt (M12×50)	7
24	608100000280	Washer (12)	7
25	608100000275	Nut M (12)	7
26	603110000211	Bushing	4
27	602110001142	Weldment, Outrigger Seat	1
28	608100000250	Bolt (M12×50)	8
29	608100000275	Nut (M12)	8
30	602110001141	Weldment, Outrigger Seat	1
31	606110000938	Guide stud	4
13	606110001734	Outrigger seal kit (NOT SHOWN)	4

Chapter 2

Linkset Assembly

2.1 Linkset Assembly



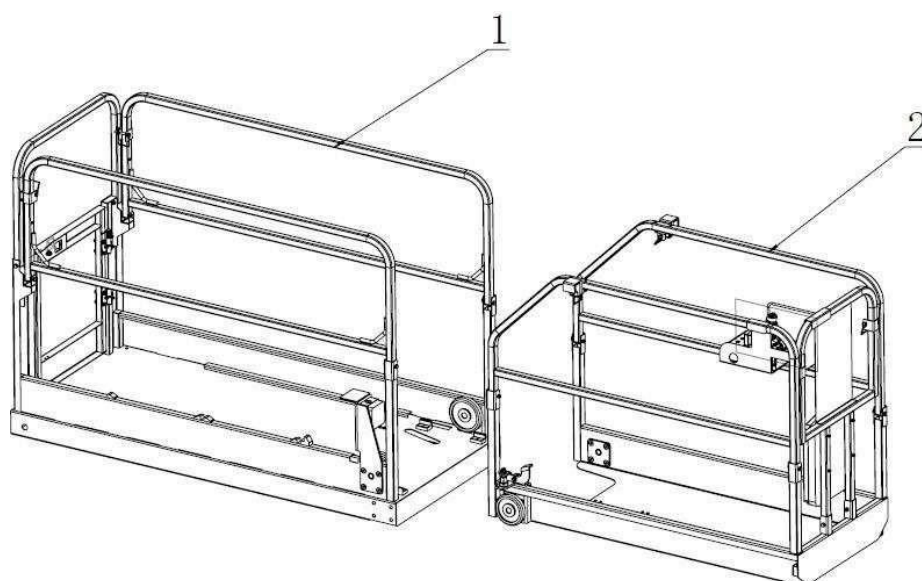
Linkset Assembly

Item	Part No.	Description	Qty.
1	603110000013	Slider Block, Platform	2
2	602710000015	Pin	2
3	608100000311	Bolt (M8×65)	18
4	608100000278	Nut (M8)	18
5	603110000011	Bushing	24
6	602310000021	Washer (32)	11
7	608100000382	Retaining Ring (32)	11
8	602710000165	Pin	9
9	602710000020	Pin	2
10	602710000166	Pin	1
11	602710000170	Pin	2
12	603110000188	Slider Block, Chassis	2
13	602710000066	Pin	2
14	602110000516	Arm-#1 Inner	1
15	602110000624	Arm-#1 Outer	1
16	602110000517	Arm-#2 Inner	1
17	602110000518	Arm-#2 Outer	1
18	602110000519	Arm-#2 Outer	1
19	608100000312	Bolt (M8×65)	1
20	608100000283	Washer (6)	5
21	609110000008	Rod End	1
22	602710000167	Pin	1
23	602110000520	Arm-#3 Outer	1
24	602110000519	Arm-#2 Outer	2
25	602110000521	Arm-#3 Inner	1
26	602110000523	Arm-#4 Inner	1
27	602110000522	Arm-#4 Outer	1
28	603110000014	Block, Platform Anchor	2
29	602710000016	Pin	2
30-1	606110000874	Repair Kit (TS06E)	1
30-2	606110001440	Repair Kit (TS06E)	1
31-1	606110000702	Lifting Cylinder (TS06E)	1
31-2	606110000875	Lifting Cylinder (TS06E)	1
32		Ref. Electric Wiring Distribution (Refer to 5.1)	
33	608100000274	Nut (M10)	2
34	602210000023	Safety Chock	2
35	608100000279	Washer (10)	2
36	608100000248	Bolt (M10×25)	2
37	603110000008	Cross Tube Collar	2
38	603110000432	Nylon Block, Upper Limit	1
39	603110000448	Nylon Block, Lower Limit	1
40	608100000291	Screw (M5×20)	4
41	608100000282	Washer (5)	4
42	606110000126	Lowering Valve block assy	1

Chapter 3

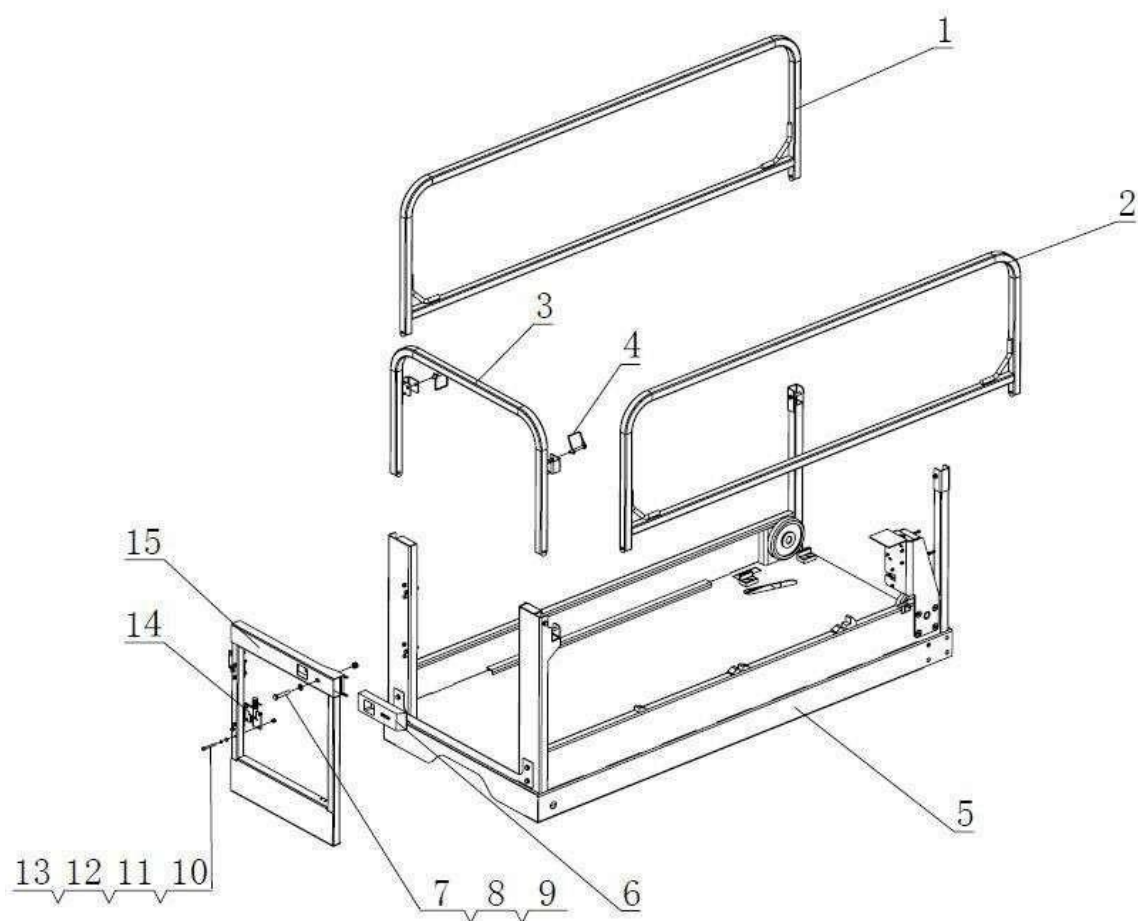
Platform Assembly

3.1 Platform Assembly



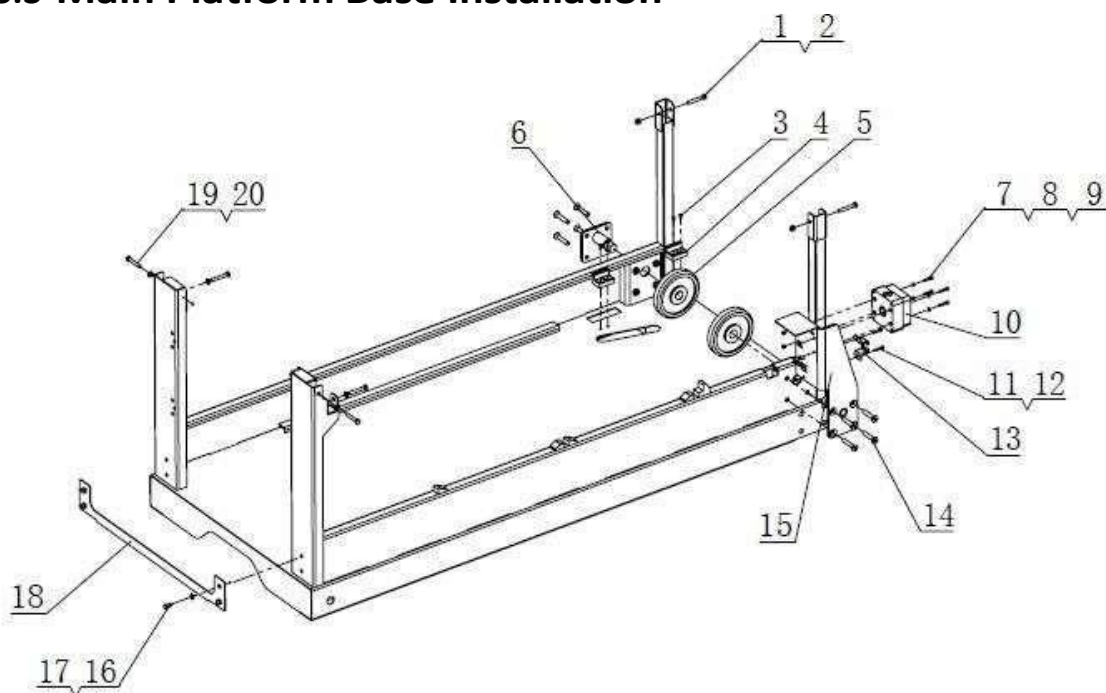
Item	Part No.	Description	Qty.
1	602010000749	Main Platform Assembly	1
2	602010000530	Extension Platform Assembly	1

3.2 Main Platform Installation



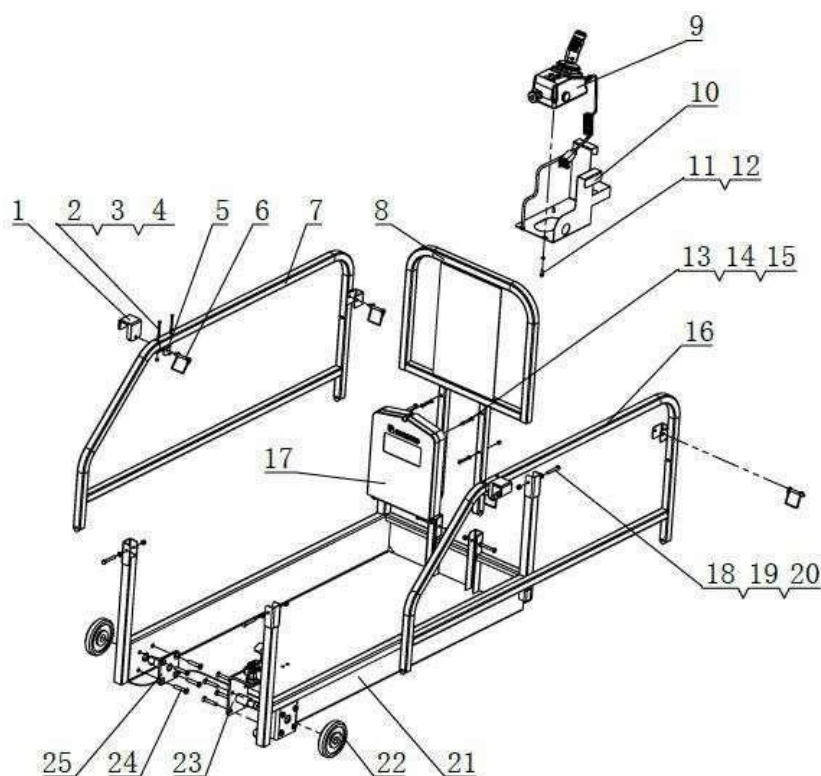
Item	Part No.	Description	Qty.
1	602110000531	Weldment, Main Platform Side Guardrail	1
2	602110000531	Weldment, Main Platform Side Guardrail	1
3	602110000564	Weldment, Main Platform Entrance Guardrail	1
4	609110000004	Safety Pin	2
5	602110000530	Weldment, Main Platform Base	1
6	609110000101	Door Lock	1
7	608100000241	Bolt (M10x55)	1
8	608100000279	Washer (10)	1
9	608100000274	Nut (M10)	1
10	608100000244	Bolt (M6x50)	12
11	608100000327	Washer (6)	12
12	608100000283	Washer (6)	12
13	608100000277	Nut (M6)	12
14	609110000103	Hinge assy	2
15	602110001382	Gate	1
14a	602610000142	Spring for Hinge	2

3.3 Main Platform Base Installation



Item	Part No.	Description	Qty.
1	608100000345	Bolt (M8×55)	4
2	608100000278	Nut (M8)	4
3	608100000067	Rivet 5x10	8
4	603110000128	Wear Pad , Platform	4
5	603110000160	Roller	2
6	602110000153	Main Platform, Roller Carrier	1
7	608100000690	Screw (M5×25)	4
8	608100000282	Washer (5)	4
9	608100000276	Nut (M5)	4
10-1	605110000018	Plug, Waterproof, GB (Optional)	1
10-2	605110000360	Plug, Waterproof, EN (Optional)	1
10-3	605110000018	Plug, Waterproof, AS (Optional)	1
10-4	605110000334	Plug, Waterproof, ANSI (Optional)	1
10-5	605110000437	Plug, Waterproof, BSI (Optional)	1
11	608100000690	Screw (M5×25)	2
12	608100000276	Nut (M5)	2
13	602210000132	Plug Holder	1
14	608100000620	Screw (M10×55)	8
15	602110000118	Weldment, Platform Outlet	1
16	608100000258	Bolt (M8×16)	4
17	608100000284	Washer (8)	4
18	602310002092	Guard Plate, Revolving Door	1
19	608100000246	Bolt (M8×50)	2
20	608100000284	Washer (8)	2

3.4 Extension Platform Installation

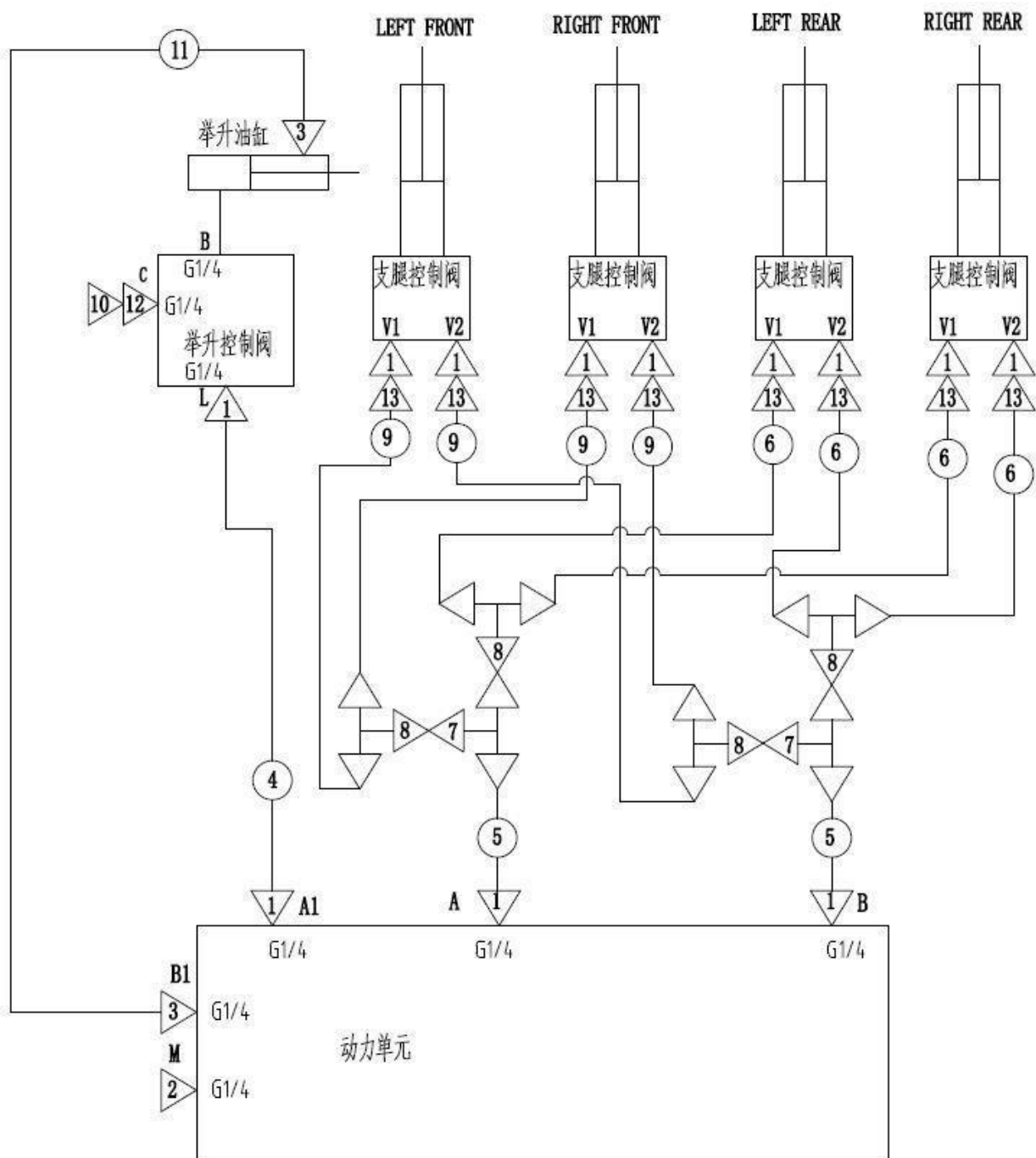


Item	Part No.	Description	Qty.
1	603110000126	Guide Slider	2
2	608100000399	Bolt (M5×45)	4
3	608100000282	Washer (5)	4
4	608100000276	Nut (M5)	4
5	602210000379	Mounting plate, Guide Slider	2
6	609110000004	Pin	4
7	602110000133	Weldment, Left Guardrail, Ext Platform	1
8	602110000566	Weldment, Front Guardrail, Ext Platform	1
9		Ref. Electric Wiring Distribution (Refer to 5.1)	
10	602110001196	Upper Control Bracket	1
11	608100000254	Bolt (M6×16)	4
12	608100000283	Washer (6)	4
13	608100000254	Bolt (M6×16)	4
14	608100000283	Washer (6)	4
15	608100000277	Nut (M6)	4
16	602110000134	Weldment, Right Guardrail, Ext platform	1
17	603110000100	File Box	1
18	608100000345	Bolt (M8×55)	4
19	608100000284	Washer (8)	4
20	608100000278	Nut (M8)	4
21	602110000565	Weldment, Extension Platform	1
22	603110000160	Platform Roller	2
23	602110000481	Roller Support Bracket	1
24	608100000268	Screw (M10×45)	8
25	602110000480	Roller Bracket, Ext Platform	1

Chapter 4

Hydraulic System

4.1 Hydraulic Hoses & Fittings Distribution



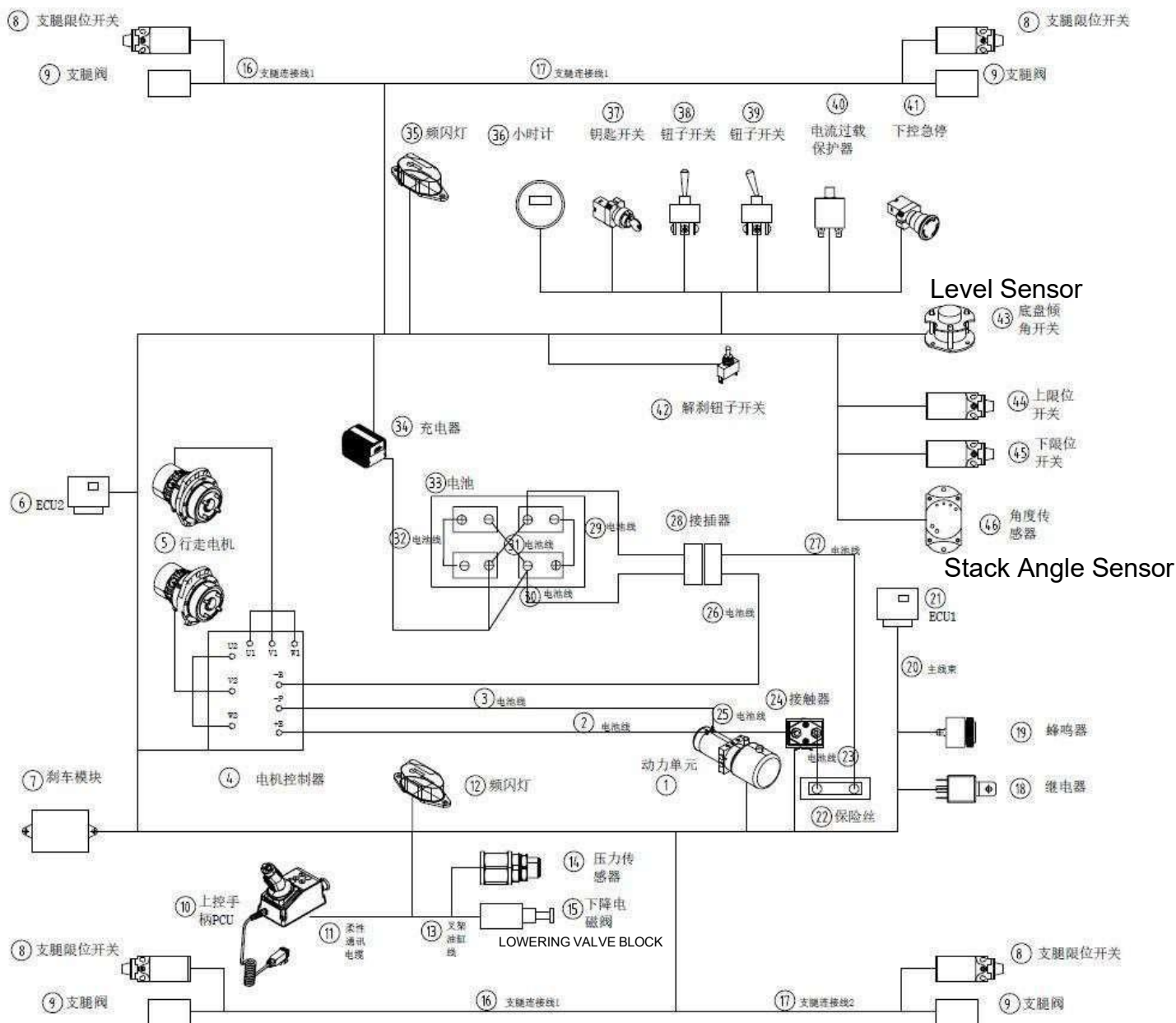
Hydraulic System

Item	Part No.	Description	Qty.
1	606110000068	Connector	12
2	606110000066	Connector	1
3	606110000136	Connector	2
4	606110001285	Hose	1
5	606110001286	Hose	2
6	606110001287	Hose	4
7	606110000400	Connector	2
8	606110000660	Connector	4
9	606110001288	Hose	4
10		Ref. Electric Wiring Distribution (Refer to 5.1)	
11	606110001289	Hose	1
12	606110000694	Connector	1
13	606110001294	Connector	8

Chapter 5

Electric System

5.1 Electrical wiring diagram



Electric System

Item	Part No.	Description	Qty.
1	606110000924	Power Unit	1
2	605110000289	Battery Harness	1
3	605110000290	Battery Harness	1
4	605110000409	Motor Controller	1
5	605110000269	Driving Motor	2
6	605110000424	ECU #2	1
7	605110000138	Brake Module	1
8	605110000192	Limit Switch, Outrigger	4
9	606110001424	Outrigger Valve	4
10	605110000425	PCU - See 5.2 for breakdown	1
11	605110000586	Flexible Communication Cable	1
12	605110000105	Strobe Light Red Fork Oil	1
13	605110000035	Cylinder Line	1
14	606110000466	Strobe Light Sensor	1
15	606110000126	Control Valve	1
16	605110000588	Outrigger Connecting Line #1	2
17	605110000587	Outrigger Connecting Line #2	2
18	605110000012	Relay	1
19	605110000013	Buzzer	1
20	606110000054	Main Harness	1
21	605110000423	ECU #1	1
22	605110000011	Fuse	1
22	605110000009	Fuse Holder	1
23	605110000164	Battery Harness	1
24	605110000093	Contactor	1
25	605110000165	Battery Harness	1
26	605110000291	Battery Harness	1
27	605110000163	Battery Harness	1
28	605110000352	Connector	2
29	605110000284	Battery Harness	1
30	605110000283	Battery Harness	1
31	605110000282	Battery Harness	1
32	605110000281	Battery Harness	3
33	605110000140	Battery	4
33	605110000336	Battery	4
33	605110000560	Battery	4
34	605110000353	Charger	1
34	605110000390	Charger	1
35	605110000105	Strobe light	1
36	605110000098	Hour Meter	1
37	605110000677	Key Switch	1
37	605110000663	Key Switch (Australia Only)	1
38	605110000095	Toggle Switch - Lift/Lower	1
39	605110000096	Toggle Switch	1
40	605110000638	Circuit Breaker	1
	605110000032	Strobe Light Orange	

Electric System

Item	Part No.	Description	Qty.
41	605110000109	Lower Controller Switch	1
42	605110000141	Toggle Switch	1
43	605110000584	Sensor, Level, Universal	1
44	605110000033	Upper Limit Switch	1
45	605110000034	Lower Limit Switch	1
46	605110000060	Angle Sensor	1

47	605110000666	NEW KEY SWITCH FROM SERIAL No FSTL0610B0129C	
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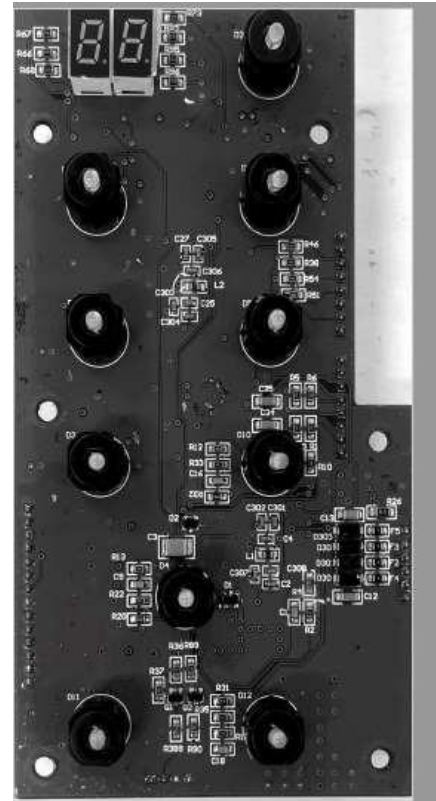
	605110000425	Complete Unit
1	605110000861	Platform loom
2	605110000109	E Stop
3	605110000801	Controller
4	605110000862	Platform Decal
5	605110000863	PCU Plastic Box
Not Shown	605110000853	PCU Main Circuit Card
Not Shown	605110000860	PCU Plastic Switch Insert
Not Shown	605110000804	PCU Selector Switch
Not Shown	605110000013	PCU Beeping Alarm



PCU MAIN CIRCUIT CARD

PART NUMBER:

605110000853



PCU PLASTIC SWITCH INSERT

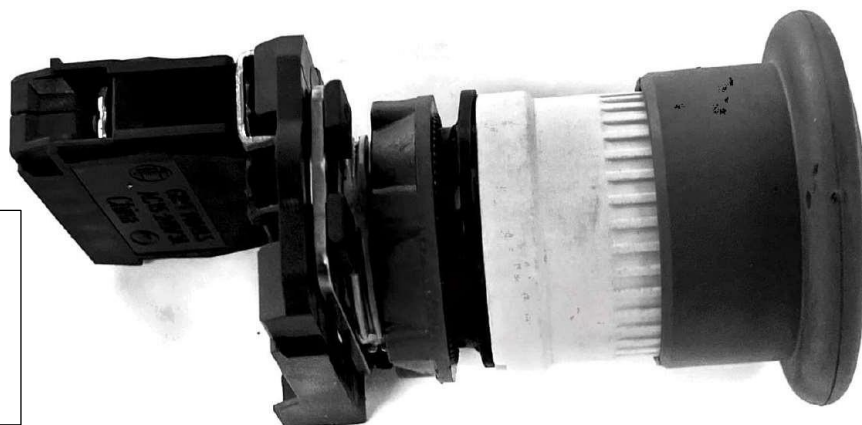
PART NUMBER:

605110000860



**PCU EMERGENCY STOP
BUTTON**

PART NUMBER:
605110000109



PCU CORD

PART NUMBER:
605110000861



PCU SWITCH DECAL STICKER

PART NUMBER:

605110000862

PCU SWITCH DECAL STICKER

PART NUMBER:

605110000862

PCU SWITCH DECAL STICKER

PART NUMBER:

605110000862

PCU Plastic housing

PART NUMBER:

605110000863

PCU Plastic housing

PART NUMBER:

605110000863

PCU Plastic housing

PART NUMBER:

605110000863



PCU Joystick

PART NUMBER:

605110000801

PCU Joystick

PART NUMBER:

605110000801

PCU Joystick

PART NUMBER:

605110000801



**Connector – from PCU to
main loom**

PART NUMBER:

605110000802



**Connector – from main loom
to PCU**

PART NUMBER:

605110000803



PCU Selector switch

PART NUMBER:
605110000804



PCU Beeping Alarm

PART NUMBER:
605110000013

