

Part Manual

EL 10

EL 12

EL14

Serial Number

17344XXX-PRESENT

Rev. No: 01

ELS LIFT



**OUTPOWER
THE GRAVITY.**

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GENERAL INFORMATION

INTRODUCTION

This manual introduces the detailed information about machine spare parts. Every person who maintains, inspects, tests or repairs the machine must be qualified and authorized to do.

You should contact ELS Lift when you come across a situation other than described in this part manual.

Contact Us: info@elslift.com
aftersales@elslift.com

DESCRIPTION

Machine Designation: Machines are identified by the manufacture, according to some technical specifications of the machine.

Description of Part Table: Every figure has a table which is described of part's quantity, item, number, description.

Part Manual Layout: Manual is designed under section titles of machine. Chassis, platform, scissors are examples of some titles of machine.

Non-Servised Parts: In some cases, it is necessary to Show the parts and assemblies that do not require non-servised parts. These parts in the part table are indicated as "no longer used" or "not sold seperately".

! USE THE ORIGINAL ELS SPARE PARTS FOR YOUR SAFETY !

HOW TO ORDER PARTS

When ordering replacement parts, please have the following machine information.

- ✓ Machine model number
- ✓ Machine serial number
- ✓ ELS part number
- ✓ Description of part
- ✓ Quantity of part
- ✓ Purchase order number
- ✓ Vat number
- ✓ Address for order to ship
- ✓ Desired method of shipment

Use the Part Order Form on the next page and mail or call your order to our After Sales Department.

PARTS ORDER FORM

Machine Model Number	
Machine Serial Number	
ELS Part Number	
Description of Part	
Quantity of Part	
Purchase Order Number	
Vat Number	
Address for Order to Ship	
Desired Method of Shipment	

Turkey

Els Lift Makine Sanayi Ticaret A.Ş

Organize Sanayi Bölgesi Lacivert Cadde No:11

16140 Nilüfer/Bursa / TÜRKİYE

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Kunze GmbH

Hermann-Oberth-Straße 3

D - 83052 Bruckmühl

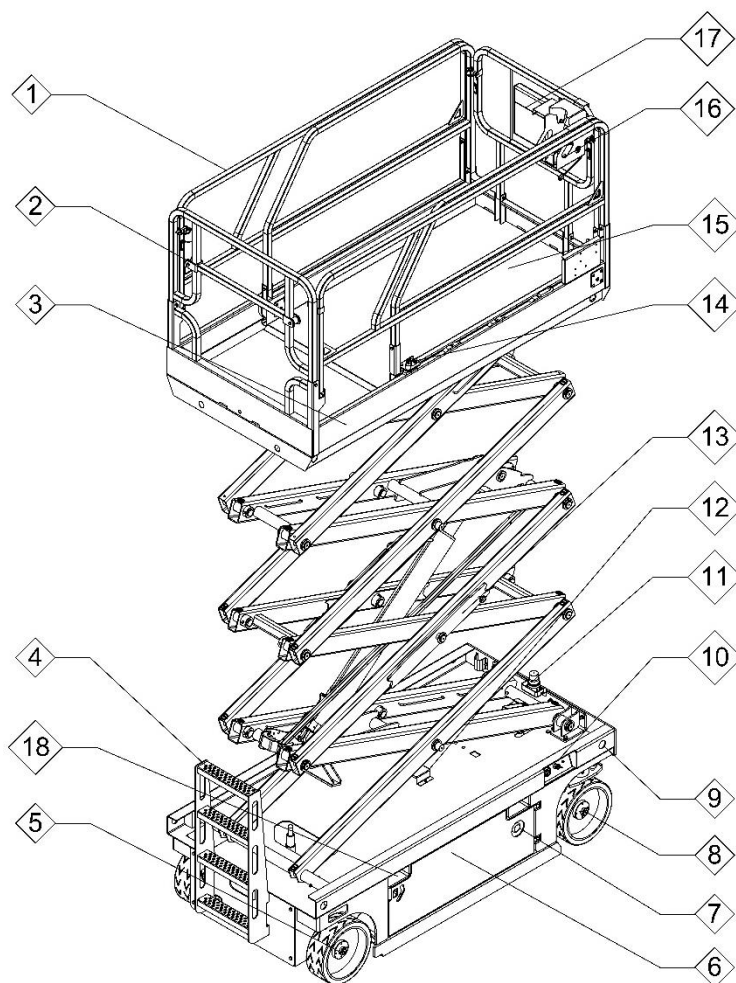
www.kunze-buehnen.com

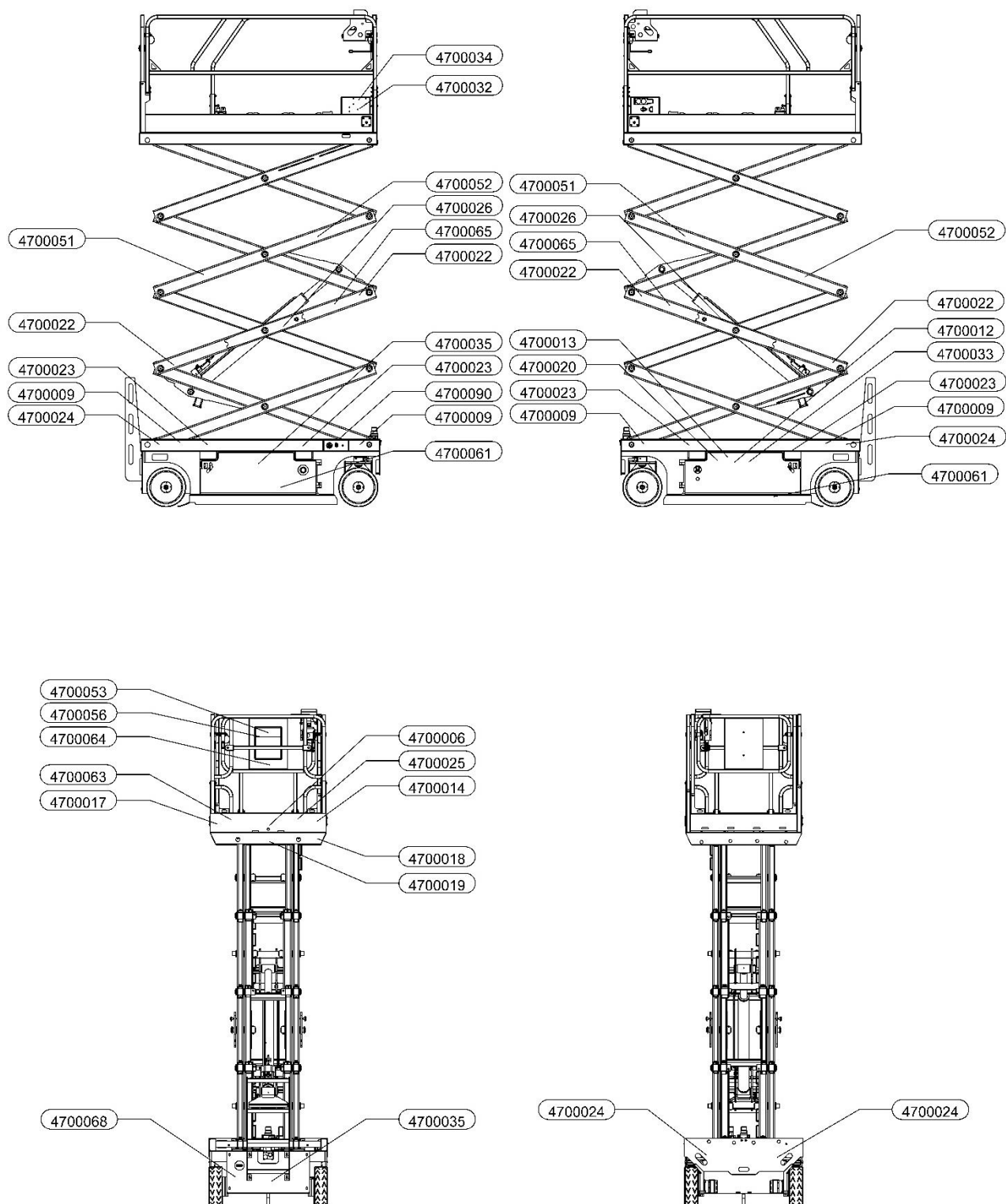
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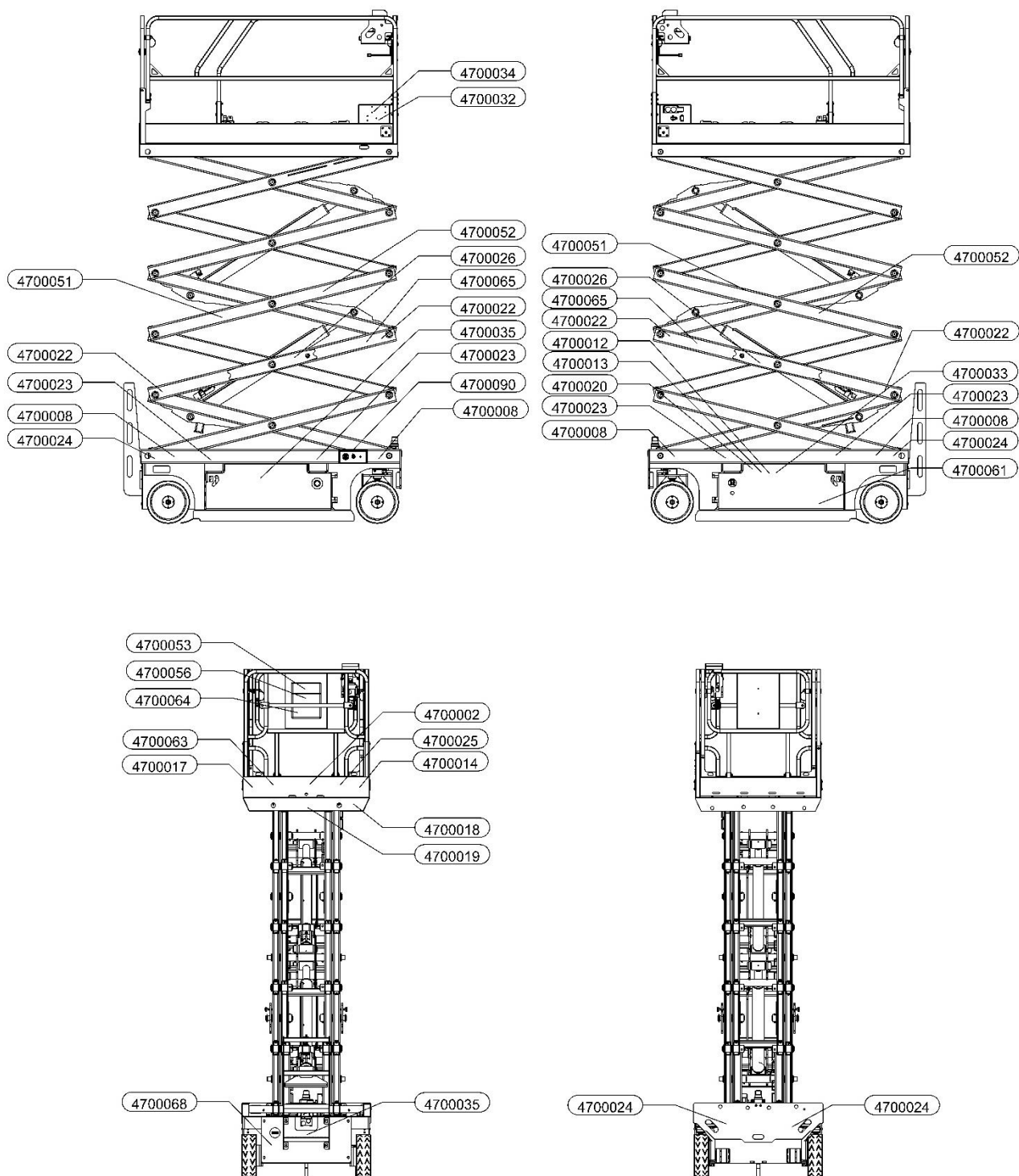
Tel: [+49 \(0\)8062/72611-0](tel:+4908062726110)

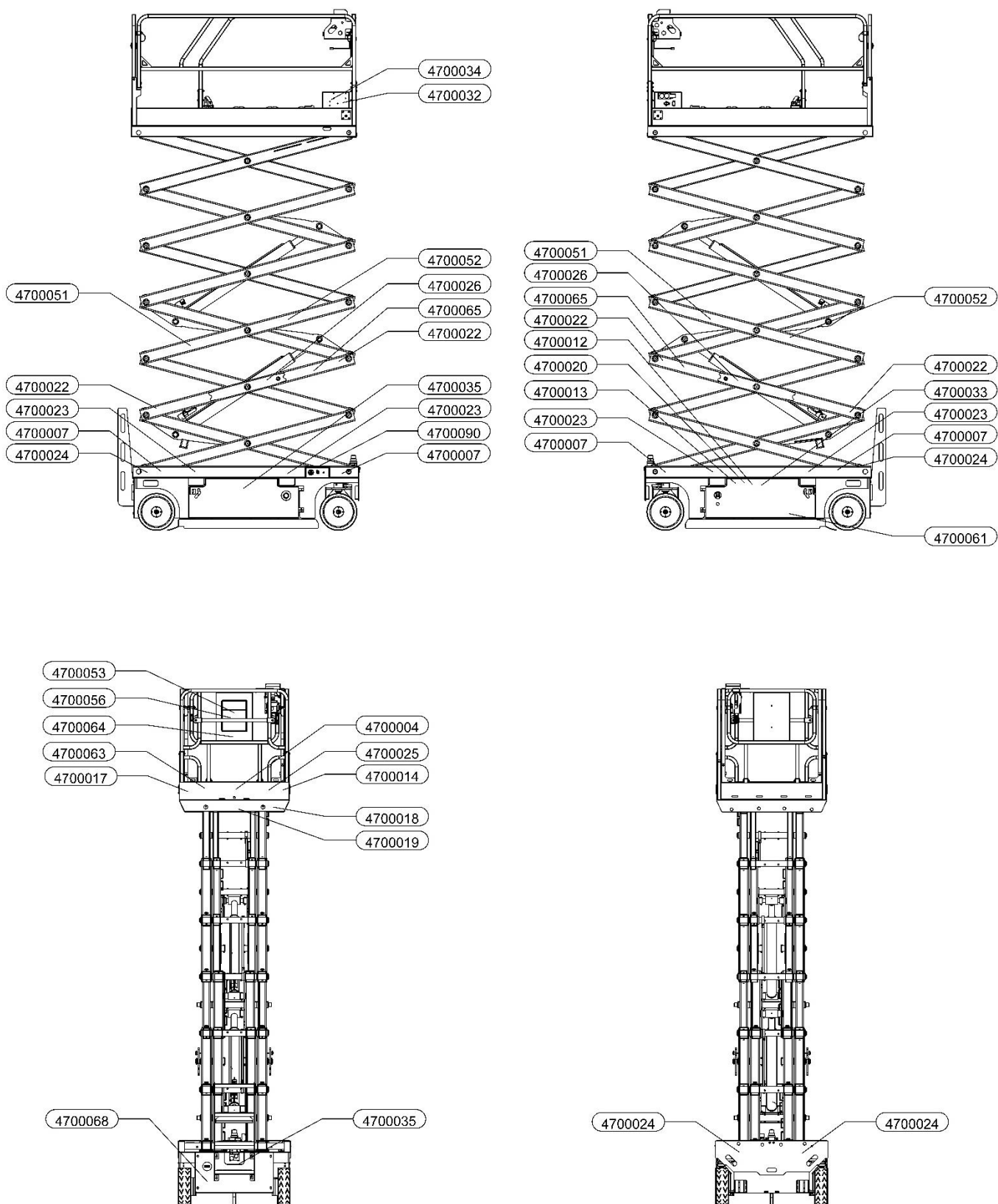
LEGEND

1. Platform Guide Rails
2. Platform Entry Gate
3. Platform
4. Platform Access Ladder
5. Castor Wheels
6. Batteries
7. Platform Emergency Stop Button
8. Steer Tires
9. Transport and Securing Bolt
10. Ground Control Panel
11. Flashlight - Platform control panel
12. Tilt Sensor
13. Maintenance Rod
14. Platform Extension Lock
15. Platform Extension
16. Platform Control Panel
17. Guide Storage Container
18. Forklift Pocket



EL 10 LOCATION OF SAFETY INDICATORS

EL 12 LOCATION OF SAFETY INDICATORS

EL 14 LOCATION OF SAFETY INDICATORS

List of Symbols and Hazard Legends

- 4700022 → Hand Crush Hazard
- 4700056 → Guide Inspection
- 4700018 → Place of Manufacture
- 4700064 → No Smoking
- 4700053 → Read the Operating Manual
- 4700035 → Brake Release Safety
- 4700033 → Battery Charge Plug
- 4700061 → Crush Hazard
- 4700065 → Warnings For Use
- 4700068 → Emergency Lowering Cable
- 4700012 → Do Not Use the Machine When Charging
- 4700013 → Battery Charging Interval
- 4700020 → Use Safety Gloves and Goggles
- 4700063 → Fall Hazard
- 4700014 → Misuse
- 4700025 → Platform Entry Gate Warning
- 4700019 → Electric Shock Hazard
- 4700024 → Attachment and Lifting Point
- 4700032 → Platform Power Supply Data
- 4700026 → Maintenance Rod
- 4700007 → EL 10 Wheel Load
- 4700008 → EL 12 Wheel Load
- 4700009 → EL 14 Wheel Load
- 4700023 → Forklift Pockets
- 4700066 → Forklift Lift Warning
- 4700002 → EL 12 Instructions for Inside Use and Outside Use
- 4700004 → EL 14 Instructions for Inside Use and Outside Use
- 4700006 → EL 10 Instructions for Inside Use and Outside Use
- 4700017 → Recommendations for Use
- 4700134 → Please Keep Locked
- 4700135 → Please wait till to batteries are fully charged. Check battery fluid and fill to batteries after charging batteries.

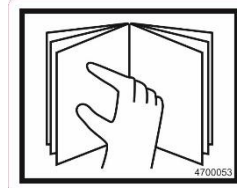
Description of Symbols and Hazard Legends



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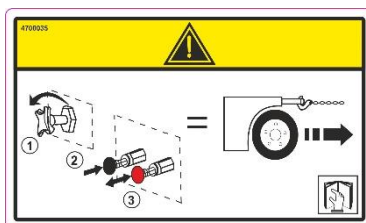
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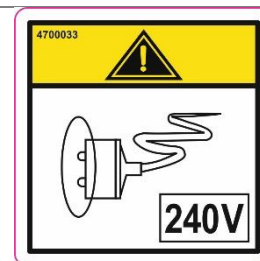
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4700022



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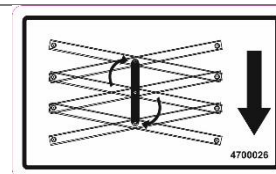
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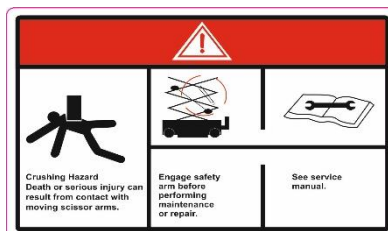
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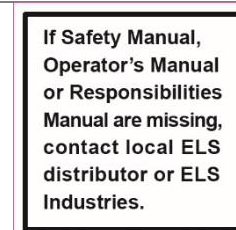
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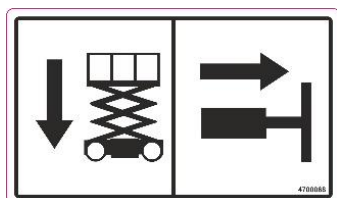
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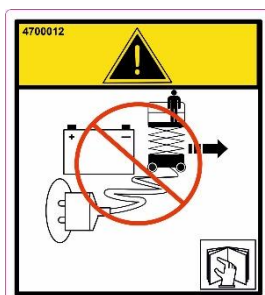
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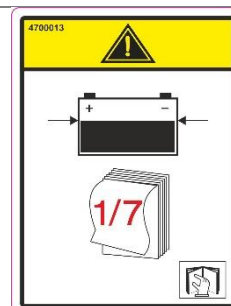
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4700012



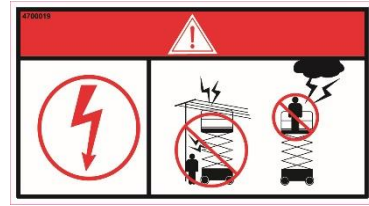
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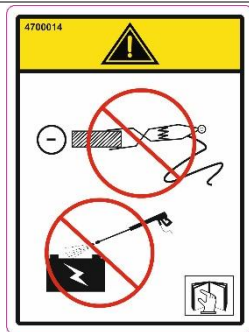
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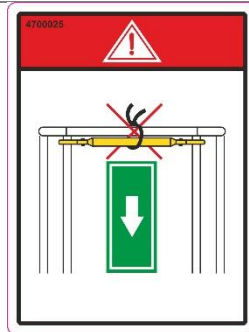
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4700014



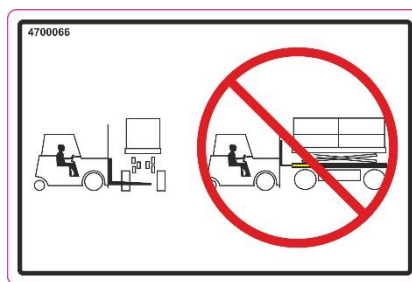
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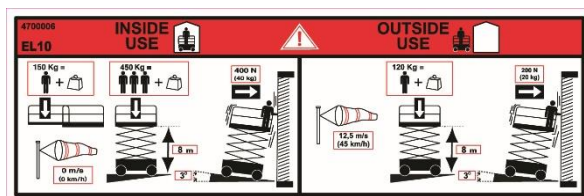
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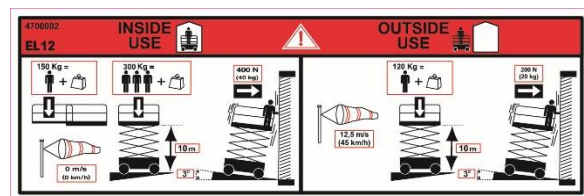
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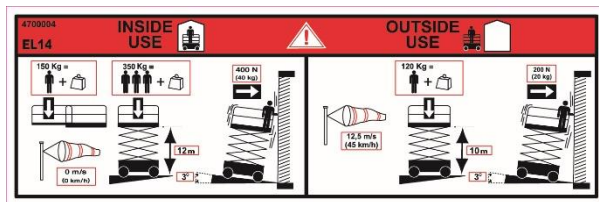
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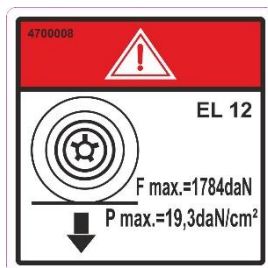
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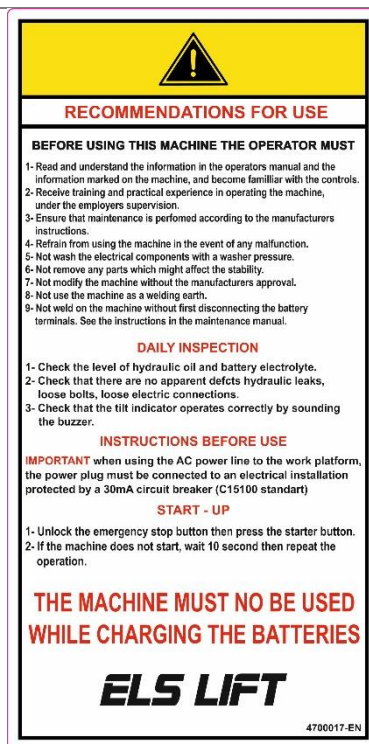
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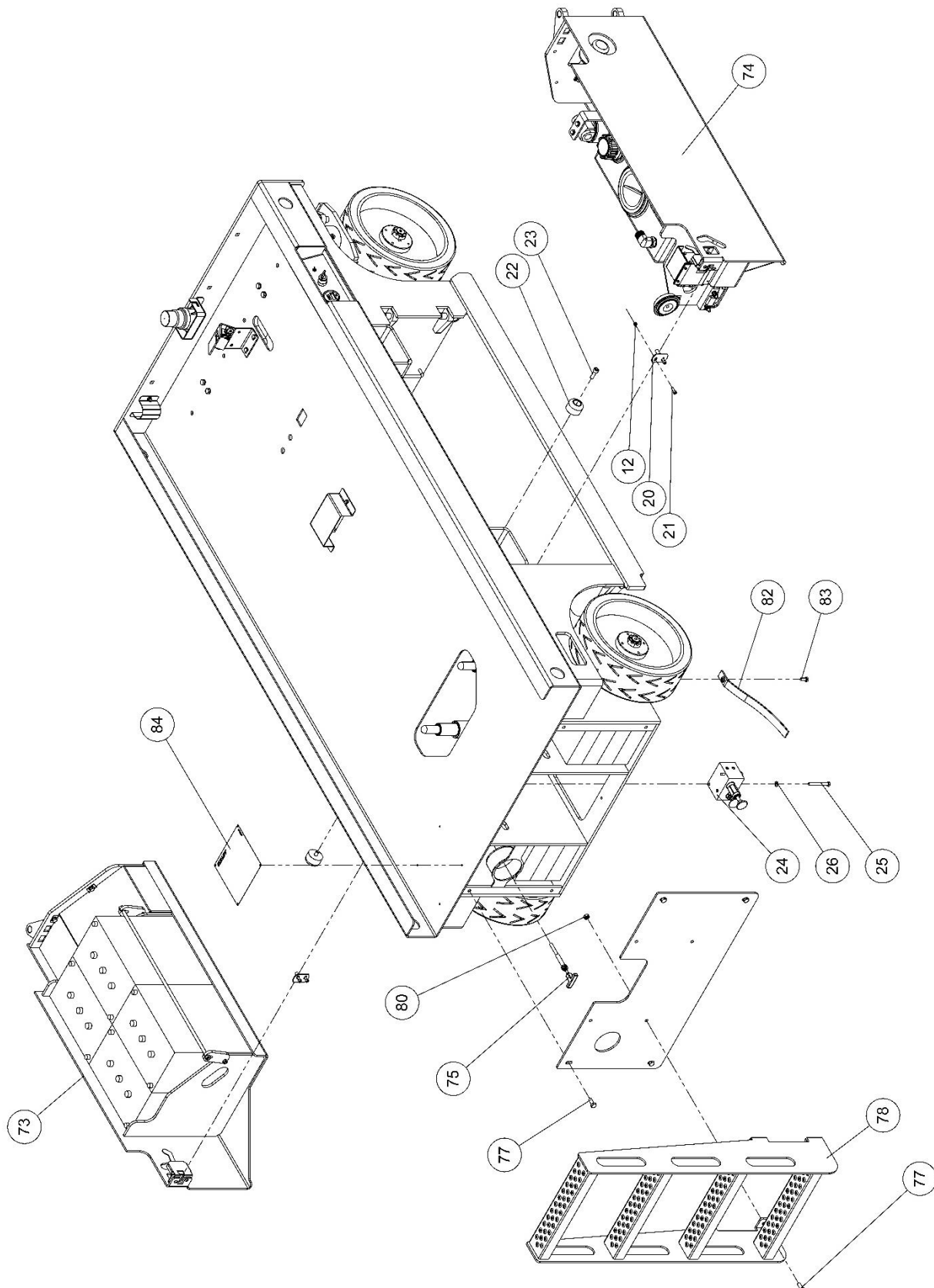
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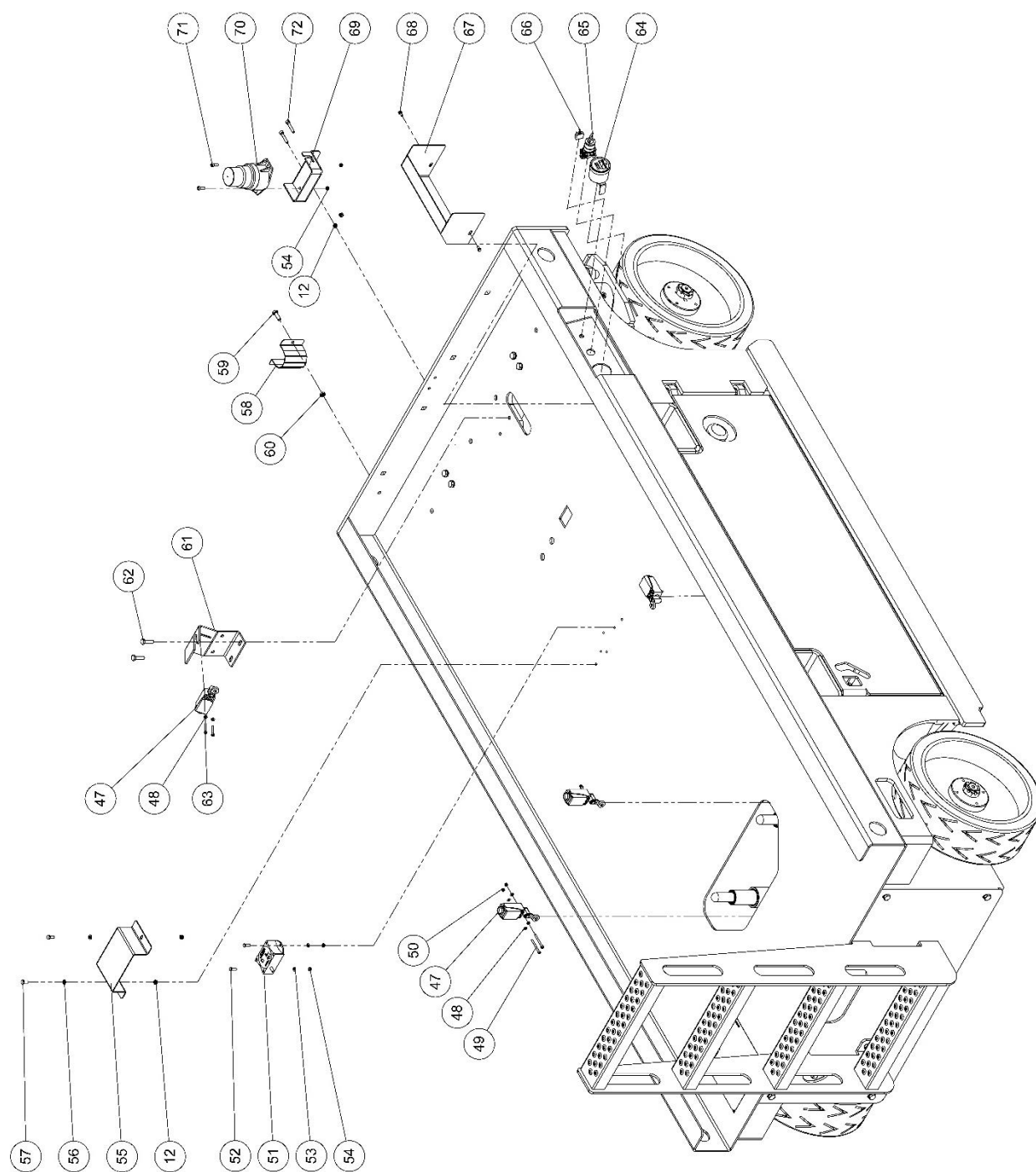


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CHASSIS

Chassis Assembly

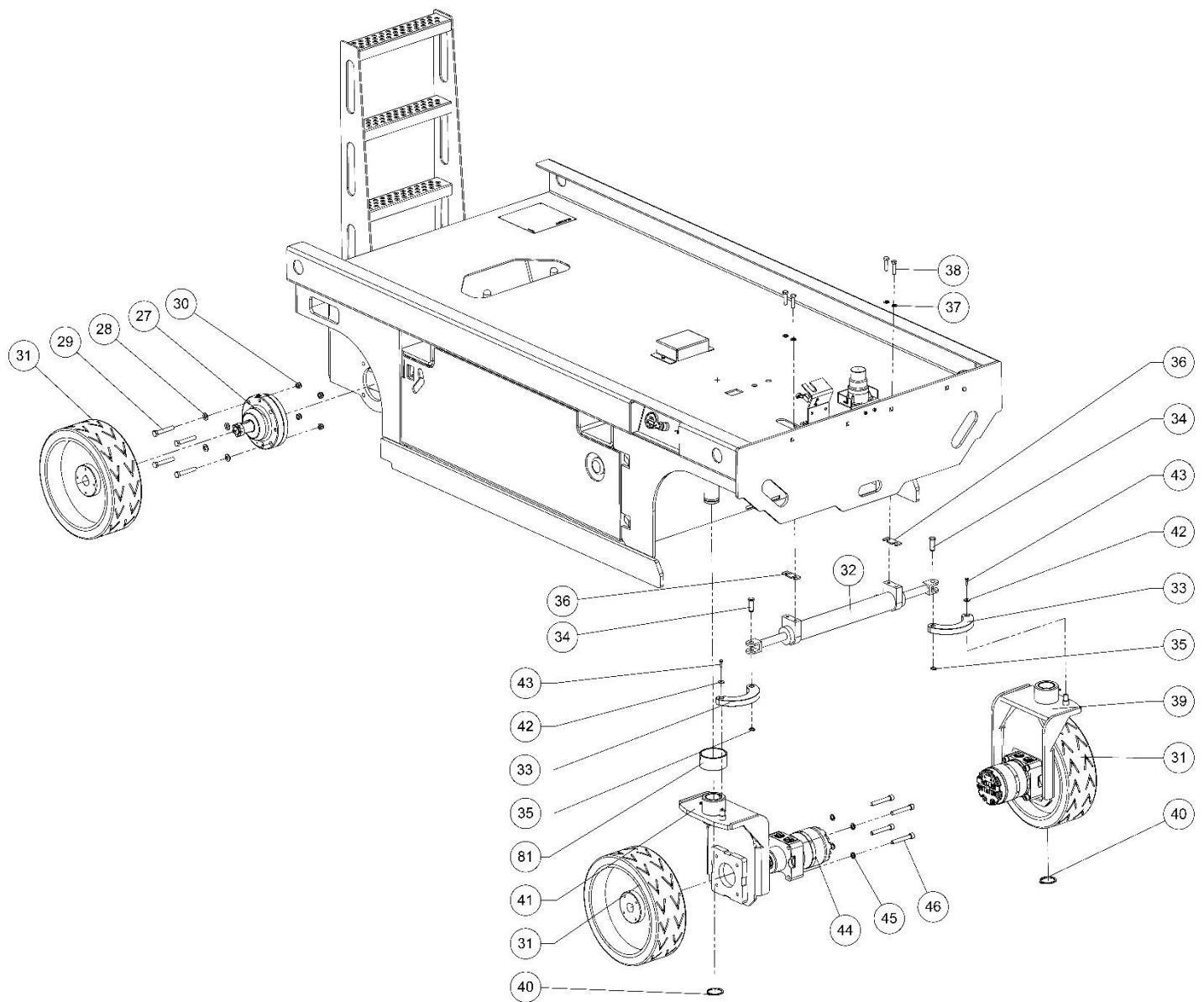




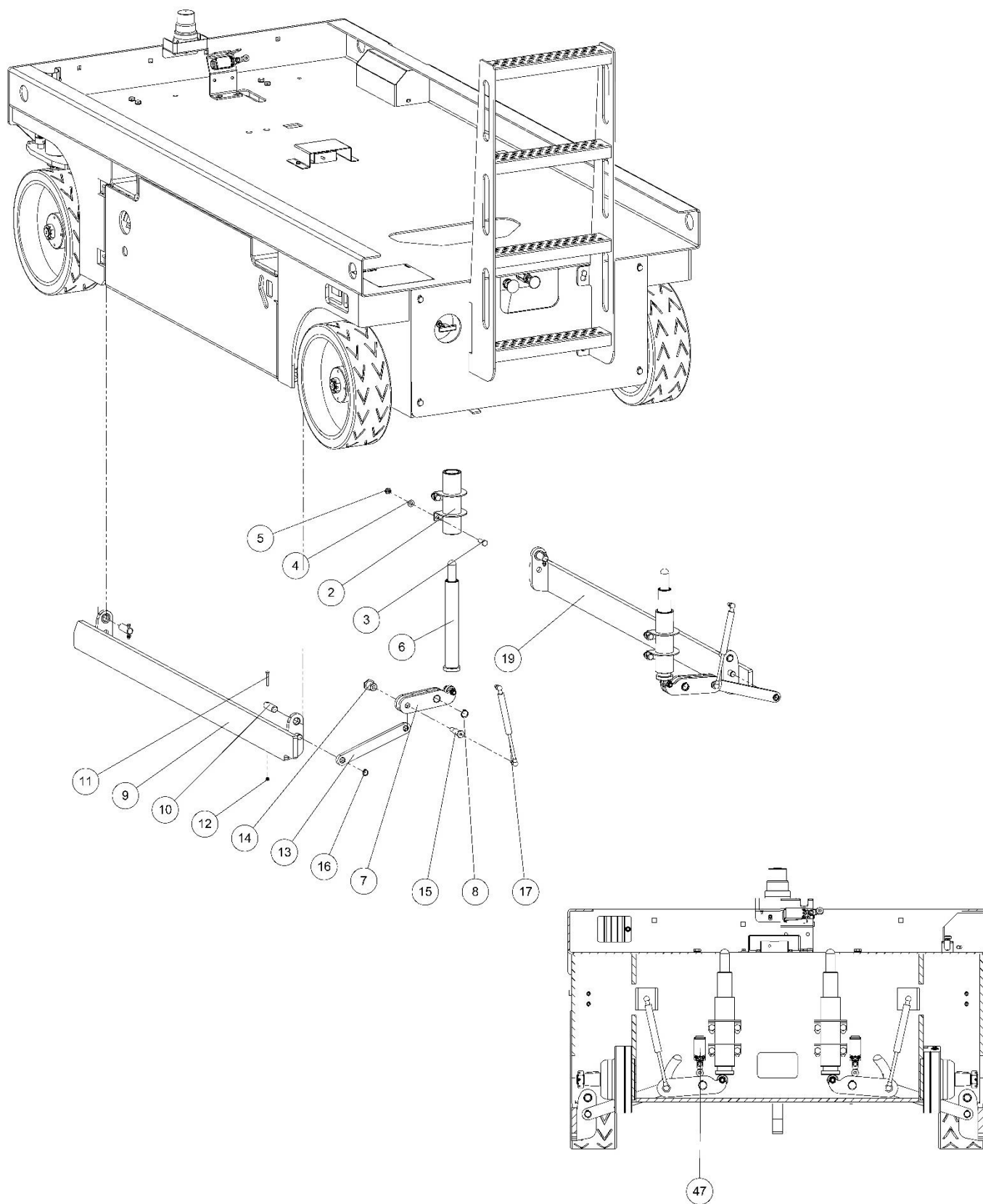
Item	Qty.	Description	Part No.
12	12	M6x40 Hex head cap screw DIN 518	S07006000AA
20	2	Latch	M01000003AA
21	4	M6x20 Socket head cap screw DIN 912	S21006008AA
22	2	Pack module stopper	11610001AA
23	2	M10x30 Socket head cap screw DIN 912	S21010010AA
24	1	Park release main block	H00600005AA
25	2	M8x75 Hex head cap screw DIN 518	S20008019AA
26	2	M8 Washer DIN 125	S01008000AA
47	4	Limit switch	E00820003AA
48	12	M4 Washer DIN 125	S01004000AA
49	4	M4x45 Socket head cap screw DIN 912	S21004013AA
50	6	M4 Prevailing torque nut ISO 10511	S07004000AA
51	1	Tilt sensor	E04302001AA
52	2	M5x16 Hex head cap screw DIN 518	S20005006AA
53	2	M5 Washer DIN 125	S01005000AA
54	4	M5 Prevailing torque nut ISO 10511	S07005000AA
55	1	Tilt sensor protection plate	19991004AA
56	2	M6 Washer DIN 125	S01006000AA
57	2	M6x15 Hex head cap screw DIN 518	S20006005AA
58	1	Battery charger plug plate	19991009AA
59	1	M8x25 Hex head cap screw DIN 518	S20008009AA
60	3	M8 Prevailing torque nut ISO 10511	S07008000AA
61	1	Limit switch protection plate	19991010AA
62	2	M8x30 Hex head cap screw DIN 518	S20008010AA

63	4	M4x35 Socket head cap screw DIN 912	S21004011AA
64	1	Battery charger indicator	E04600002AA
65	1	Key switch	E01800001AA
66	1	Toggle switch	E00622001AA
67	1	Ground control unit protection plate	11613800AA
68	2	M5x10 Hex head cap screw DIN 518	S20005003AA
69	1	Flasher linkage plate	19900100AA
70	1	Flasher	E00520001AA
71	2	M5x16 Socket head cap screw DIN 912	S21005006AA
72	2	M6x35 Socket head cap screw DIN 912	S21006011AA
73	1	Battery pack module assembly	11611100AA
74	1	Hydraulic pack module assembly	11611500AA
75	1	Emergency lowering cable	M00600100AA
77	12	M10x25 Hex head cap screw DIN 518	S20010009AA
78	1	Ladder weldment assembly	11612000AA
79	1	Cover	11610002AA
80	4	M10 Hex nut DIN 934 ISO 4029	S04010000AA
82	1	Static strap	M01510100AA
83	1	M8x20 Hex head cap screw DIN 518	S20008008AA
84	1	EL 14 Product label	M03100017AA
		EL 12 Product label	M03100015AA
		EL 10 Product label	M03100013AA

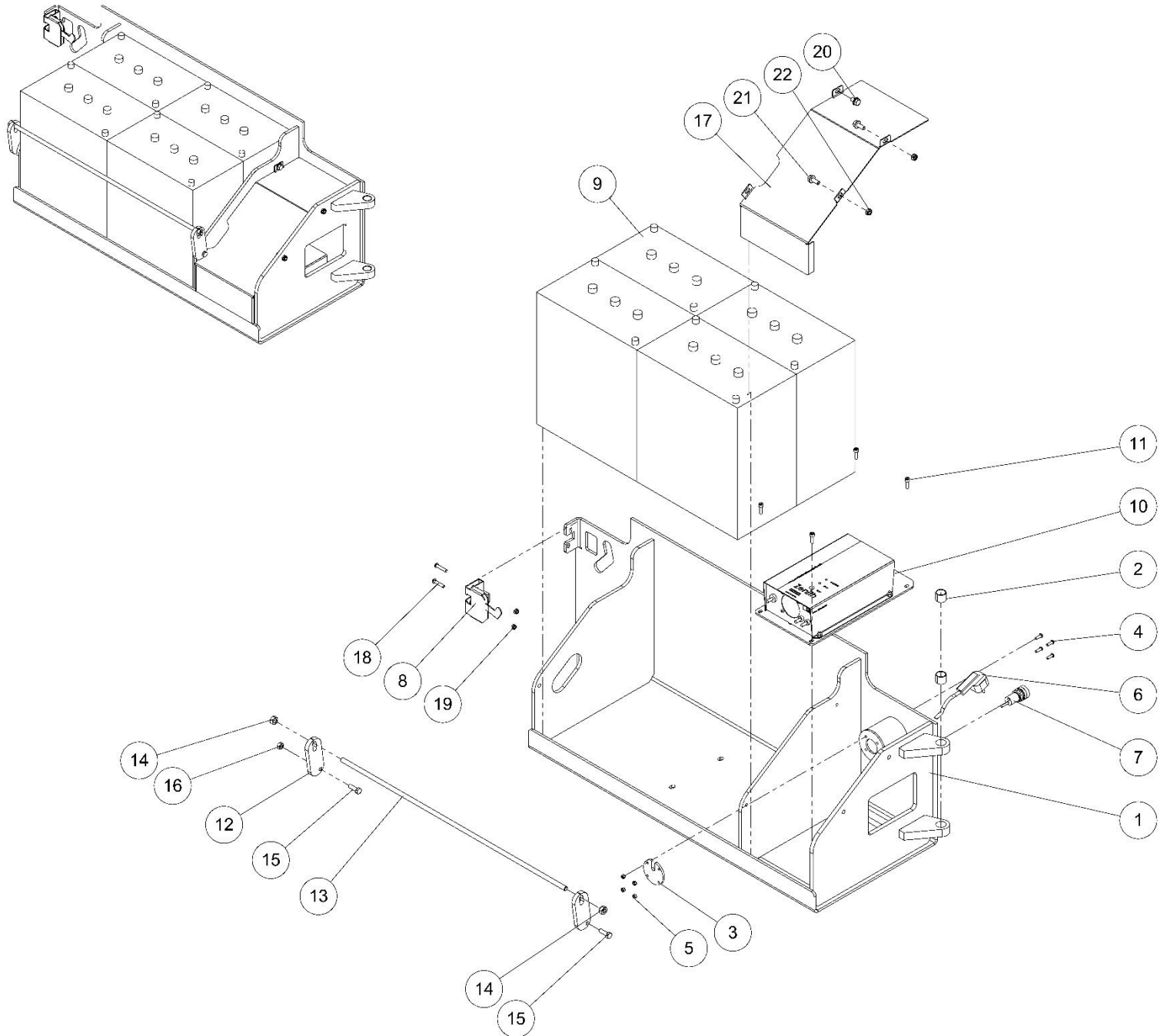
Steer Linkage and Drive Wheel Assembly



Item	Qty.	Description	Part No.
27	2	Hydraulic break	H00400001BA
28	8	M12 Washer DIN 125	S01012000AA
29	8	M12x75 Hex head cap screw DIN 518	S20012019AA
30	8	M12 Prevailing torque nut ISO 10511	S07012000AA
31	4	Wheel	M00200005AA
32	1	Steering cylinder	H00510009AA
33	2	Steer linkage plate	11613900AA
34	2	Steering cylinder linkage pin	11610007AA
35	2	Ø15 Circlip DIN 471	S14036000AA
36	2	Steering cylinder support plate	11610006AA
37	4	M10 Curved spring lock Washer DIN 128	S03010000AA
38	4	M10x40 Hex head cap screw DIN 518	S20010012AA
39	1	Wheel assembly, left	11613400AA
40	2	Ø50 Circlip DIN 471	S14074000AA
41	1	Wheel assembly, right	11613600A
42	2	Wheel steering washer	11610008AA
43	2	M6x20 Hex head cap screw DIN 518	S20006008AA
44	2	Drive motor	H00200001BA
45	8	M12 Curved spring lock Washer DIN 128	S03012000AA
46	8	M12x80 Socket head cap screw DIN 912	S21012020AA

Pot Hole Protection Assembly

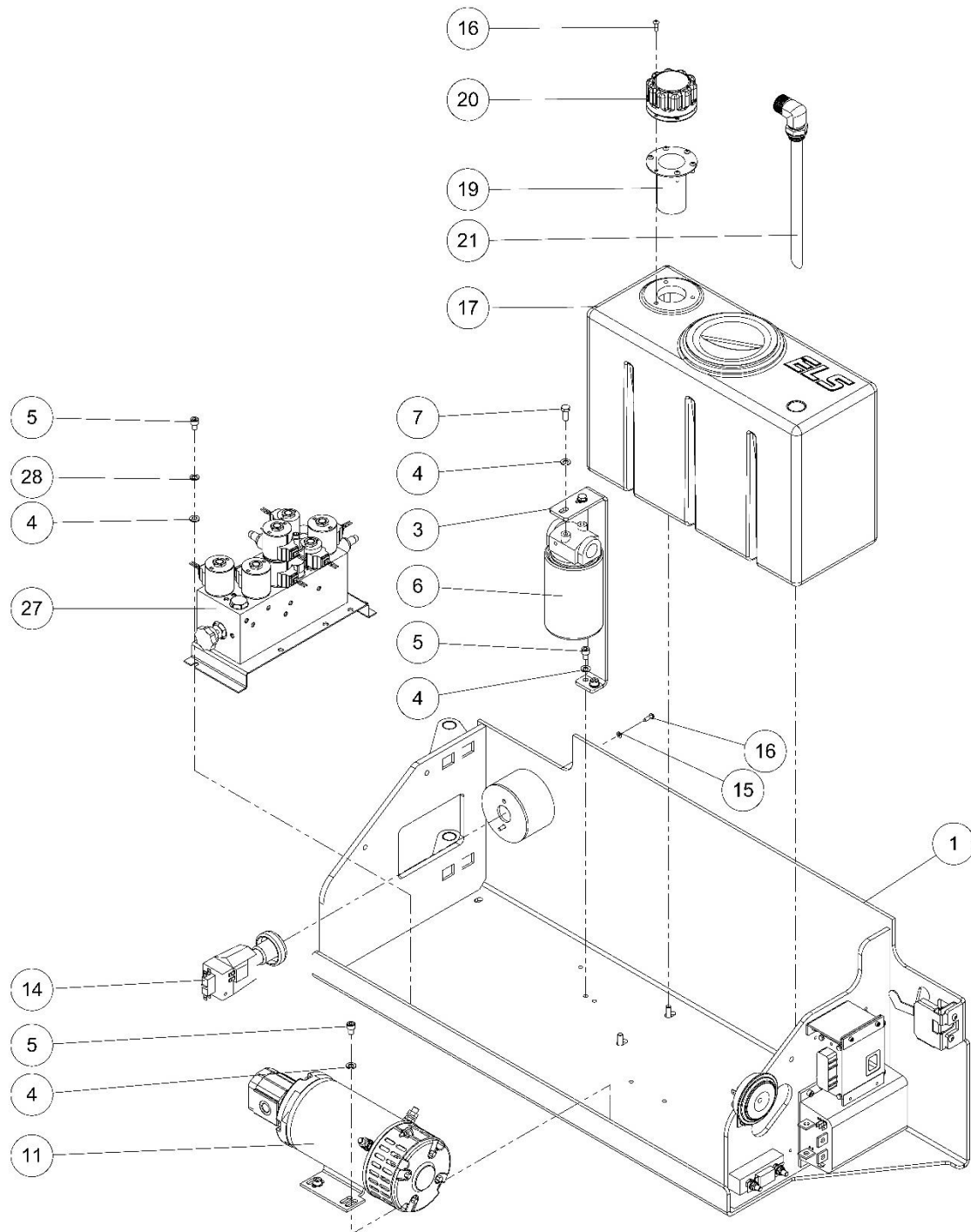
Item	Qty.	Description	Part No.
2	2	Pot hole guide bearing	11613000AA
3	8	M10x30 Hex head cap screw DIN 518	S20010010AA
4	8	M10 Washer DIN 125	S01010000AA
5	8	M10 Prevailing torque nut ISO 10511	S07010000AA
6	2	Pot hole pusher	11613200AA
7	1	Pot hole bell crank link	11612600AA
8	2	Ø20 Circlip DIN 471	S13043000AA
9	1	Pot hole guard weldment, left	11612100AA
10	4	Pot hole pin	11610003AA
11	4	M6x40 Hex head cap screw DIN 518	S20006012AA
12	12	M6 Prevailing torque nut ISO 10511	S07006000AA
13	2	Pothole linkage plate	11612500AA
14	2	Carriage bolt	11610004AA
15	2	Gas shock linkage bolt	11610005AA
16	2	Ø16 Circlip DIN 471	S13039000AA
17	2	Gas shock	M01200002AA
19	1	Pot hole guard weldment, right	11612300AA
47	2	Limit switch	E00820003AA

Battery Pack Module

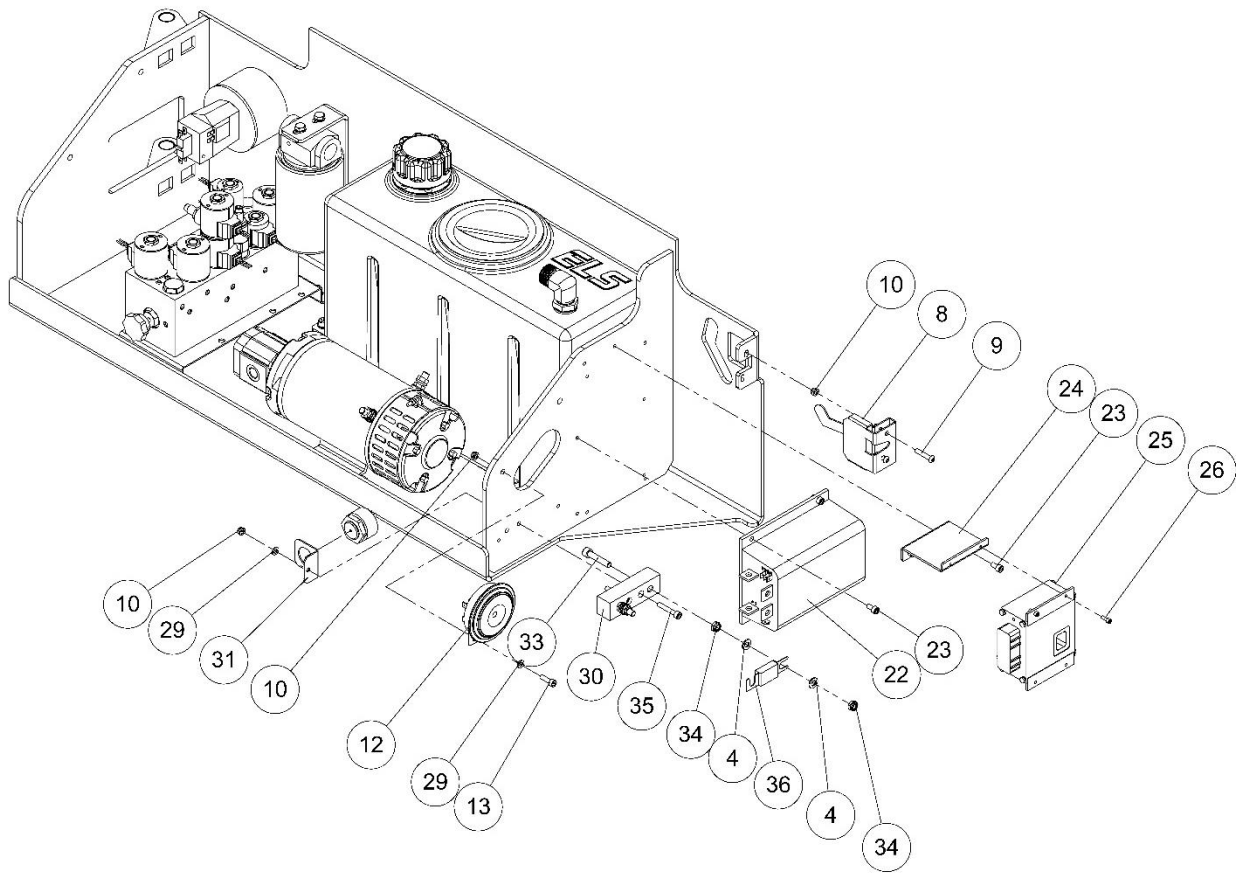
Item	Qty.	Description	Part No.
1	1	Battery pack weldment	11611200AA
2	2	Ø20x20 P10 Bearing	S31043008AA
3	1	Battery charger plug linkage	19991012AA
4	4	M5x16 Hexagon socket button head screw ISO 7380	S26005006AA
5	4	M5 Hex nut DIN 934 ISO 4029	S04005000AA
6	1	Battery charger plug	E02200001AA
7	1	Indicator	E00900001AA
8	1	Lock	M01000001AA
9	4	6V 315A Batteries	E00212002AA
10	1	24V 30A Battery charger	E00324001AA
11	4	M6x20 Socket head cap screw DIN 912	S21006008AA
12	2	Battery fixing plate	19991007AA
13	1	Battery fixing shaft	19991006AA
14	2	M10 Hex nut DIN 934 ISO 4029	S04010000AA
15	2	M8x25 Hex head cap screw DIN 518	S20008009AA
16	1	M8 Hex nut DIN 934 ISO 4029	S04008000AA
17	1	Battery charger protection plate	19991005AA
18	2	M6x30 Hexagon socket button head screw ISO 7380	S26006010AA
19	2	M6 Prevailing torque nut ISO 10511	S07006000AA
20	1	M8x12 Hexagon flange screw DIN 6921	S28008004AA
21	2	M8x20 Hexagon flange screw DIN 6921	S28008008AA
22	2	M8 Prevailing torque nut ISO 10511	S07008000AA

Hydraulic Pack Module

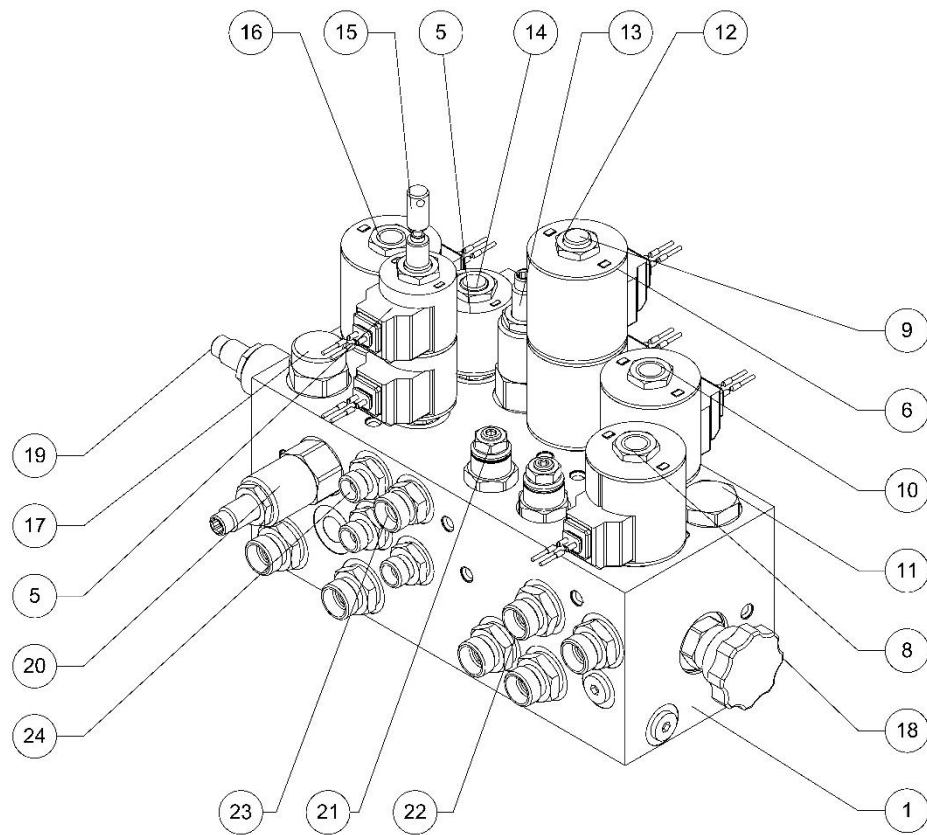
Hydraulic Pack



Item	Qty.	Description	Part No.
1	1	Hydraulic pack weldment assembly	11611600AA
3	1	Filter linkage plate	19991008AA
4	14	M8 Washer DIN 125	S01008000AA
5	8	M8x12 Socket head cap screw DIN 912	S21008004AA
6	1	Filter	H01100002AA
7	2	M8x20 Hex head cap screw DIN 518	S20008008AA
11	1	Hydraulic power pack	H00100001AA
14	1	Main Switch	E00400001AA
15	2	M5 Washer DIN 125	S01005000AA
16	8	M5x16 Hexagon socket button head fscrew ISO 7380	S26005006AA
17	1	Hydraulic oil tank	H01200002AA
19	1	Hydraulic oil tank filter	H01800001AA
20	1	Hydraulic oil tank cover	H01800001AA
21	1	Hydraulic oil tank return tube	11611800AA
27	1	Hydraulic manifold assembly	H00600001AA
28	2	M8 Curved spring lock Washer	S03008000AA

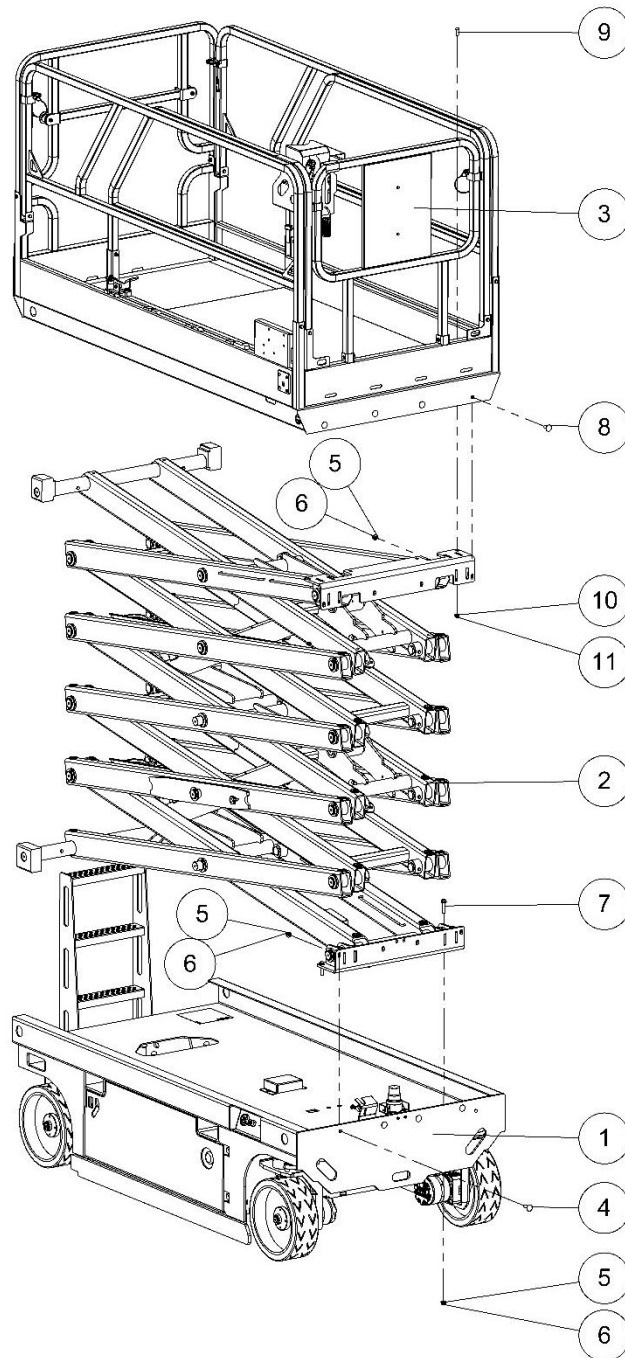
Electronic Control Unit

Item	Qty.	Description	Part No.
4	14	M8 Washer DIN 125	S01008000AA
8	1	Lock	M01000002AA
9	2	M6x30 Hexagon socket button head fscrew ISO 7380	S26006010AA
10	5	M6 Prevailing torque nut ISO 10511	S07006000AA
12	1	Horn	E01020001AA
13	1	M6x20 Socket head cap screw DIN 912	S21006008AA
22	1	Motor controller	E04000001AA
23	6	M6x12 Socket head cap screw DIN 912	S21006004AA
24	1	Electronic control unit linkage plate	11611501AA
25	1	Electronic control unit	E04110001AA
26	2	M4x12 Socket head cap screw DIN 912	S21004004AA
29	3	M6 Washer DIN 125	S01006000AA
30	1	Fuse linkage plate	11611502AA
31	1	Buzzer linkage plate	19991003AA
33	2	M8x40 Socket head cap screw DIN 912	S21008012AA
34	4	M8 Prevailing torque nut ISO 10511	S07008000AA
35	2	M6x35 Socket head cap screw DIN 912	S21006011AA
36	1	Fuse	E01100002AA

Hydraulic Manifold

Item	Qty.	Description	Part No.
1	1	Hydraulic block	H00700001AA
5	3	Coil 01	H00900001AA
6	5	Coil 02	H00900002AA
8	1	Solenoid valve 1	H00800001AA
10	1	Solenoid valve 2	H00800002AA
11	1	Flow divider valve 1	H00801001AA
12	1	Solenoid valve 3	H00800003AA
13	1	Reliefe valve 1	H00802001AA
14	1	Solenoid valve 4	H00800004AA
15	1	Solenoid valve 5	H00800005AA
16	1	Solenoid valve 6	H00800006AA
17	1	Flow regulator valve 1	H00803001AA
18	1	Flow control valve 1	H00804001AA
19	1	Reliefe valve 2	H00802002AA
20	1	Reliefe valve 3	H00802003AA
21	2	Countere balance 1	H00805001AA
22	6	G3/8" Ø12L Connector	H10252007AA
23	1	G1/4" Ø12L Connector	H10251007AA
24	3	G1/4" Ø8L Connector	H10251005AA

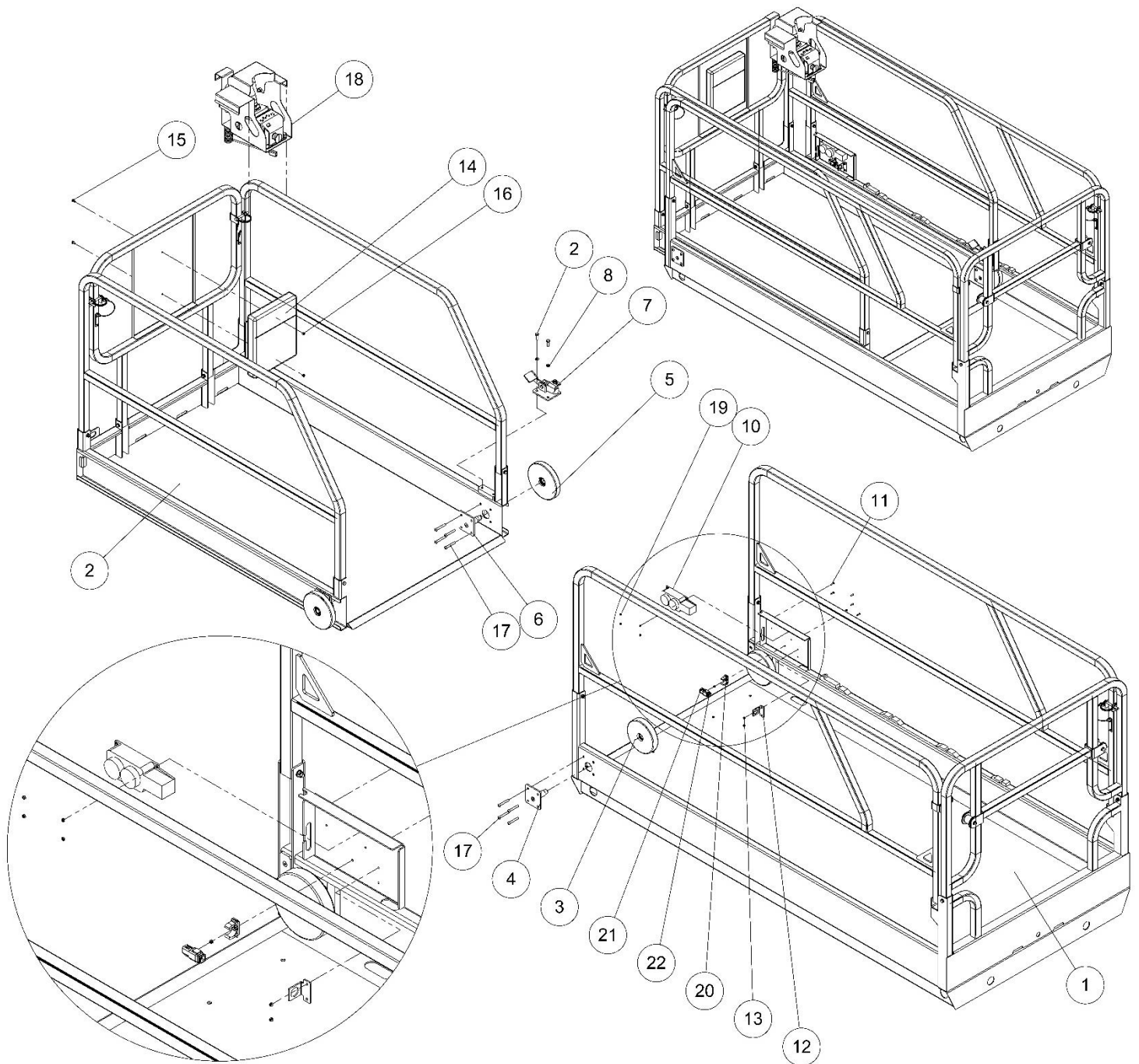
Scissors Assembly Installation



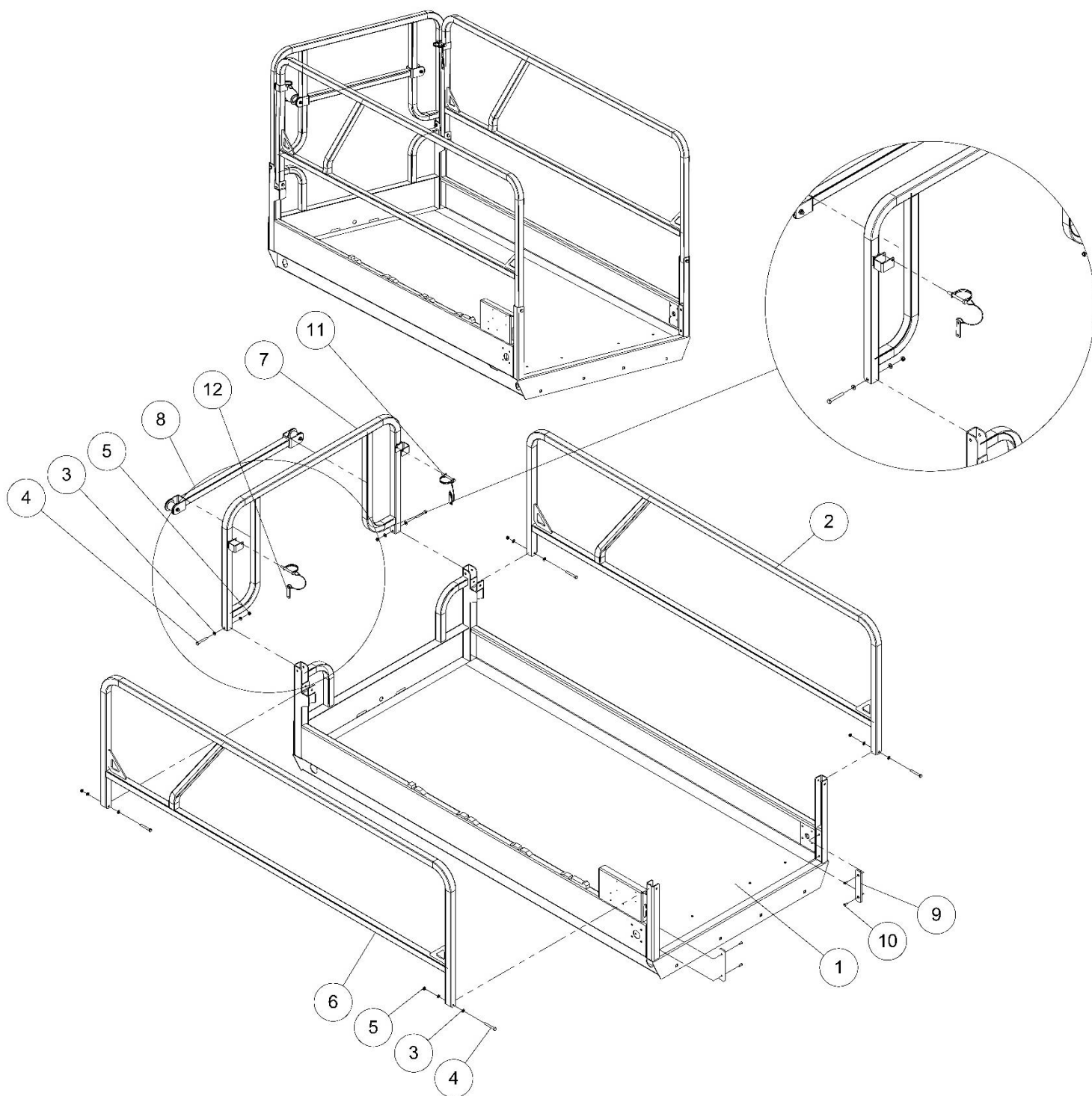
Item	Qty.	Description	Part No.
1	1	Chassis assembly	11610000AA
2	1	Scissors assembly	11620000AA
3	1	Platform assembly	11630000AA
4	4	M12x40 Mushroom head square neck bolt DIN 603	S27012012AA
5	16	M12 Washer DIN 125	S01012000AA
6	12	M12 Prevailing torque nut ISO 10511	S07012000AA
7	4	M12x55 Hex head cap screw DIN 518	S20012015AA
8	4	M12x30 Mushroom head square neck bolt DIN 603	S27012010AA
9	4	M10x30 Hexagon socket button head fscrew ISO 7380	S26010010AA
10	4	M10 Washer DIN 125	S01010000AA
11	4	M10 Prevailing torque nut ISO 10511	S07010000AA

PLATFORM

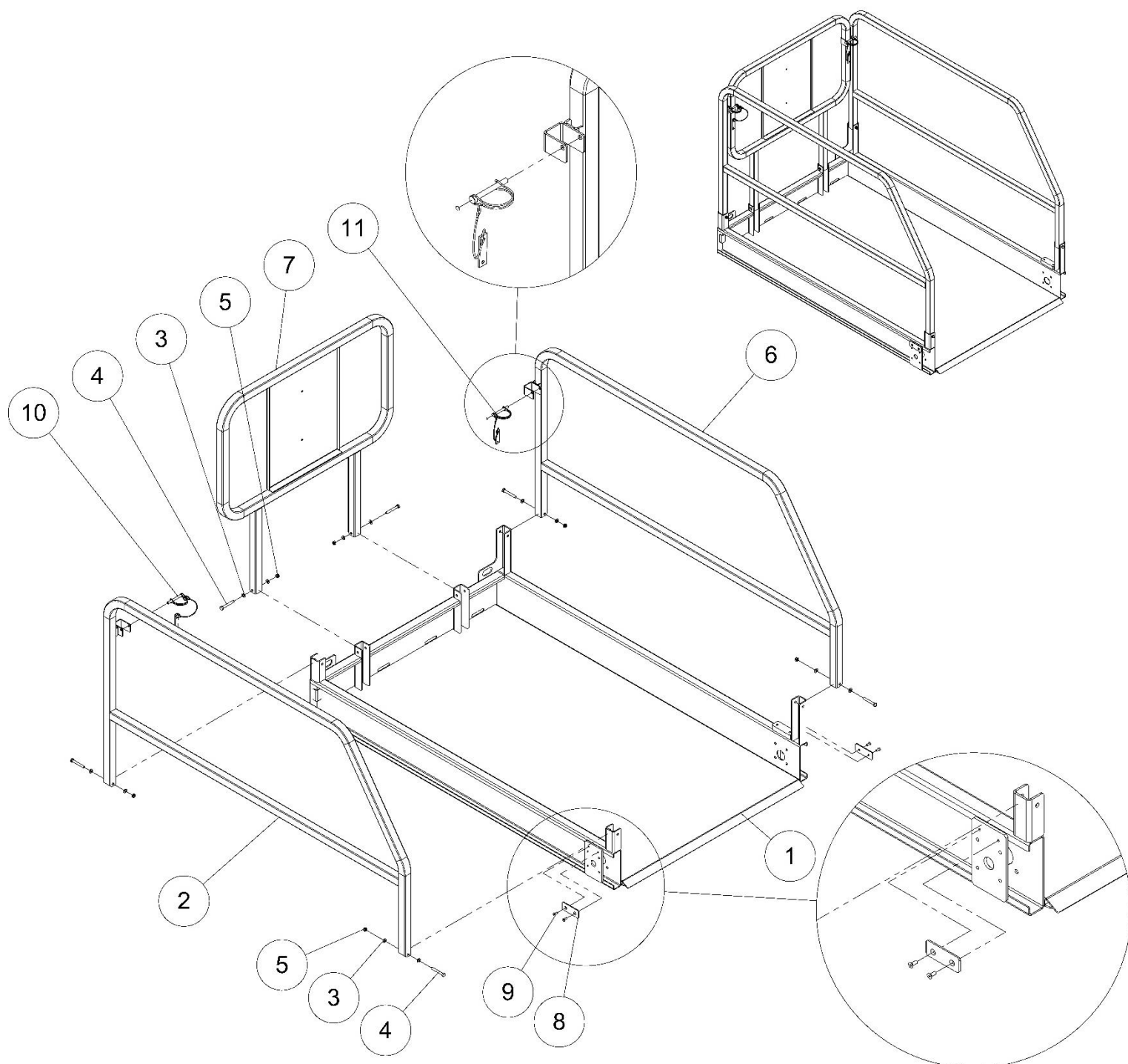
Platform Assembly



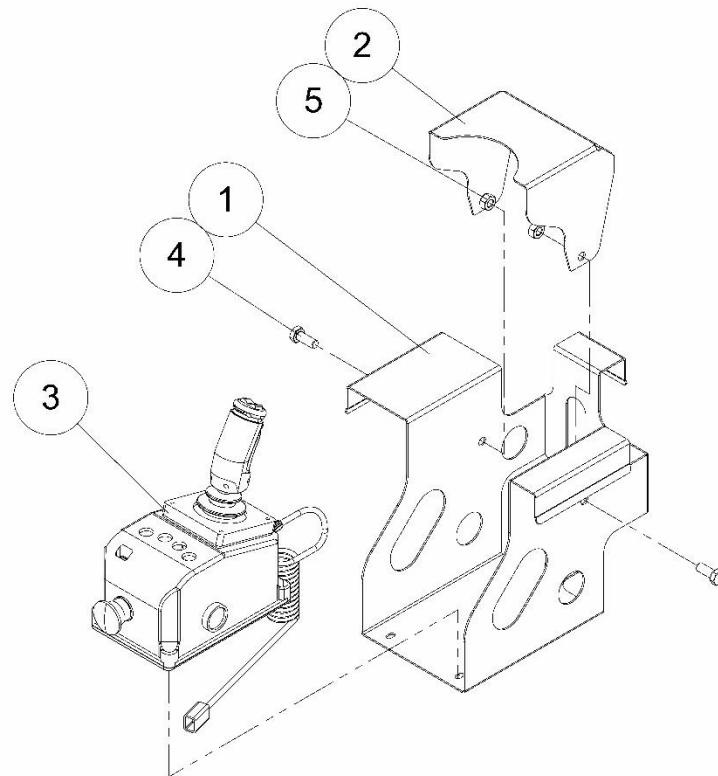
Item	Qty.	Description	Part No.
1	1	Main platform assembly	11630100AA
2	1	Platform extension assembly	11631200AA
3	2	Roller, Main platform	11632000AA
4	2	Main platform roller weldment assembly	11632100AA
5	2	Roller, Platform extension	11632200AA
6	2	Platform extension roller weldment assembly	11632200AA
7	1	Platform extension locking assembly	19930100AA
8	2	M8 Washer DIN 125	S01008000AA
9	2	M8x25 Hex head cap screw DIN 518	S20008009AA
10	1	Duplex receptacle	E02300001AA
11	7	M4x15 Hexagon socket button head screw ISO 7380	S26004005AA
12	1	Bracket, Cable transport	19993003AA
13	3	M4 Prevailing torque nut ISO 10511	S07004000AA
14	1	Manual box	M01300001AA
15	2	M6x10 Hex head cap screw DIN 518	S20006003AA
16	2	M6 Hex nut DIN 934 ISO 4029	S04006000AA
17	16	M8x55 Hexagon socket button head screw ISO 7380	S26008015AA
18	1	Joystick box assembly	19930600AA
19	4	M4 Hex nut DIN 934 ISO 4029	S04004000AA
20	1	Crochet	M01600001AA
21	1	Deutsch socket	E00720601AA
22	1	Deutsch socket	E00720601BA

Main Platform Assembly

Item	Qty.	Description	Part No.
1	1	Main platform deck weldment assembly	11630200AA
2	1	Main platform left rail weldment assembly	11630700AA
3	12	M8 Washer DIN 125	S01008000AA
4	6	M8x60 Hex head cap screw DIN 518	S20008016AA
5	6	M8 Prevailing torque nut ISO 10511	S07008000AA
6	1	Main platform right rail weldment assembly	11630800AA
7	1	Platform entry gate weldment assembly	11630900AA
8	1	Platform entry gate assembly	11631000AA
9	2	Main platform fixing delrin	11630101AA
10	4	M6x16 Hexagon socket countersunk head cap screw DIN 7991	S24006006AA
11	1	Steel rope pin assembly 1	M01030100AA
12	1	Steel rope pin assembly 2	M01030100AA

Platform Extension Assembly

Item	Qty.	Description	Part No.
1	1	Platform extention deck weldment assembly	11631300AA
2	1	Platform extention left rail weldment assembly	11631700AA
3	12	M8 Washer DIN 125	S01008000AA
4	6	M8x60 Hex head cap screw DIN 518	S20008016AA
5	6	M8 Prevailing torque nut ISO 10511	S07008000AA
6	1	Platform extention right rail weldment assembly	11631800AA
7	1	Platform extention front rail weldment assembly	11631900AA
8	2	Platform extention fixing delrin	11631201AA
9	4	M6x16 Hexagon socket countersunk head cap screw DIN 7991	S24006006AA
10	1	Steel rope pin assembly 1	M01030100AA
11	1	Steel rope pin assembly 2	M01030100AA

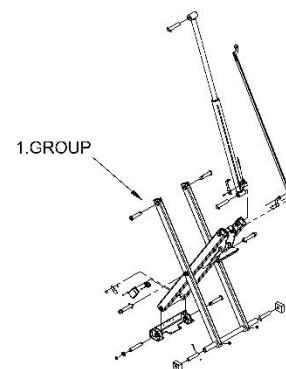
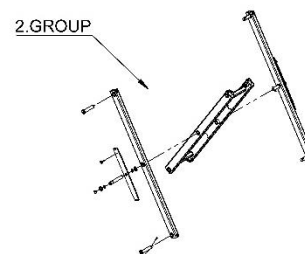
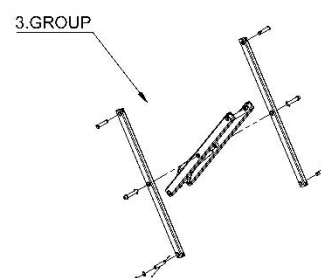
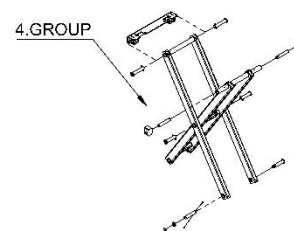
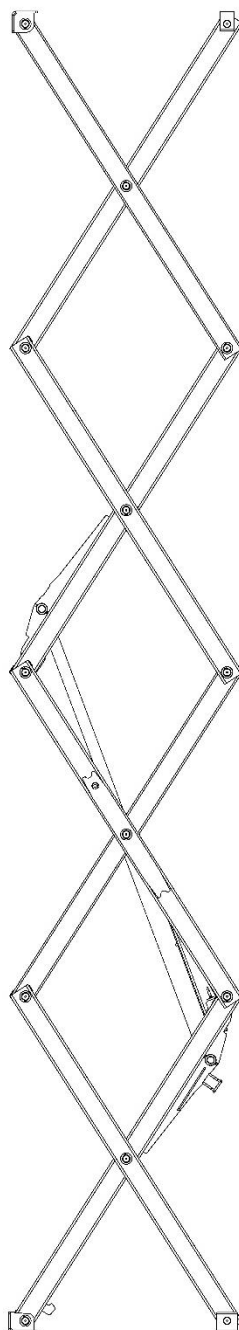
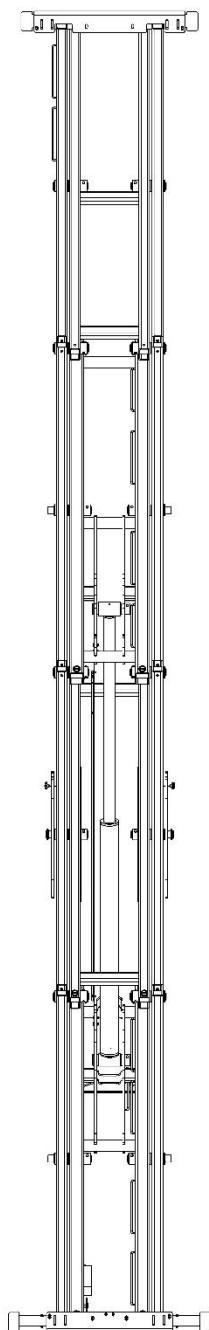
Joystick Assembly

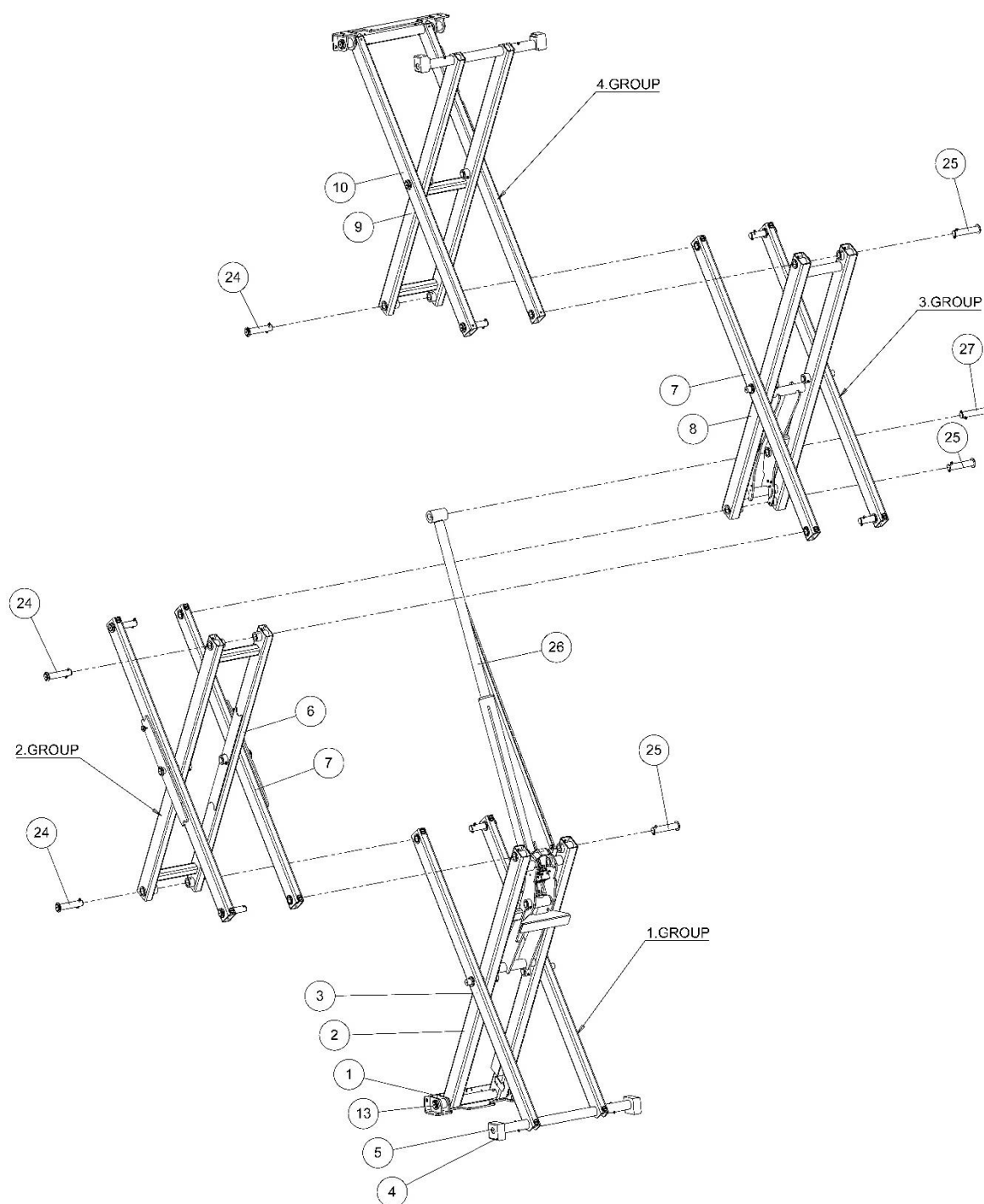
Item	Qty.	Description	Part No.
1	1	Platform control unit, platform linkage plate	19930700AA
2	1	Platform control unit protection plate	19930703AA
3	1	Platform control unit	E04120003AA
4	2	M10x25 Hex head cap screw DIN 518	S20010009AA
5	2	M10 Hex nut DIN 934 ISO 4029	S04010000AA

SCISSOR

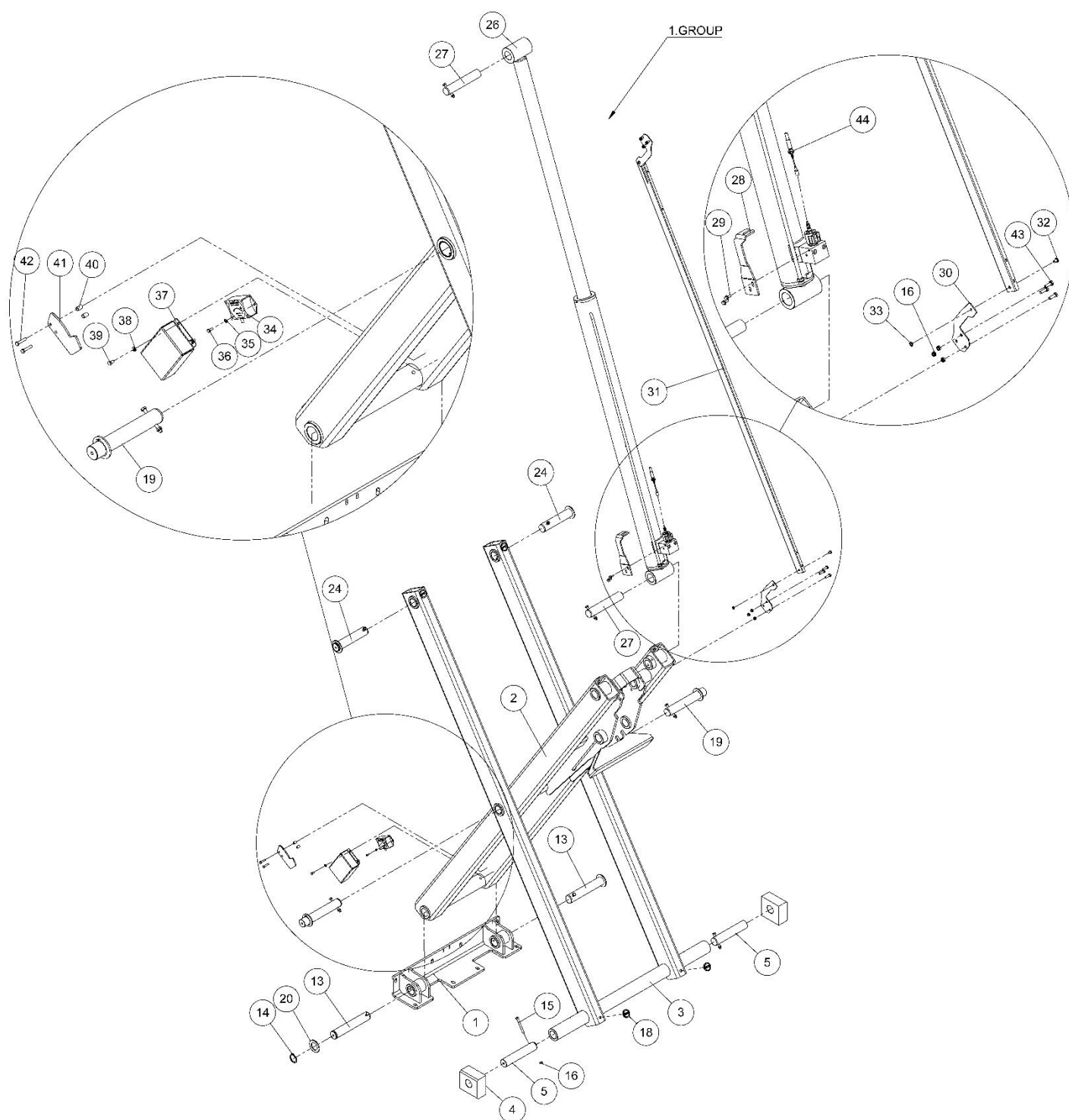
EL 10 SCISSOR GROUP

Scissor Assembly



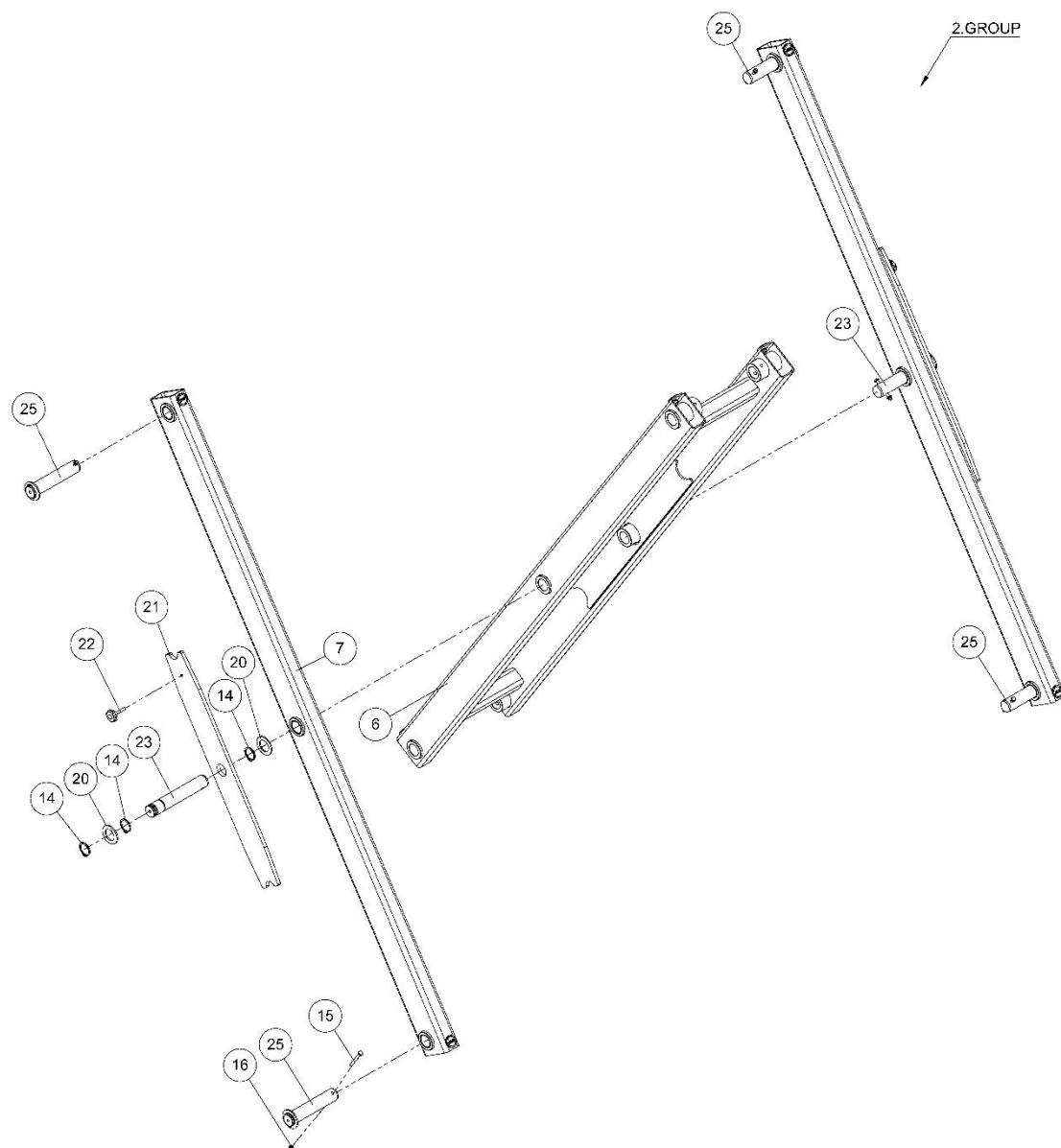


Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11620300AA
3	1	1. Outer arm assembly	11620700AA
4	2	Bottom linkage support block	11620001AA
5	2	Bottom linkage support block shaft	19992205AA
6	1	2. Inner arm weldment assembly	11620900AA
7	4	2. Outer arm assembly	11621000AA
8	1	3. Inner arm weldment assembly	11520100AA
9	1	4. Inner arm weldment assembly	11520200AA
10	1	5. Outer arm assembly	11621700AA
13	4	Scissor linkage shaft	19992207AA
24	8	Shaft 2	19992202AA
25	6	Scissor linkage shaft	19992201AA
26	1	Lift cylinder	H00510007AA
27	2	Cylinder, linkage shaft	19992209AA

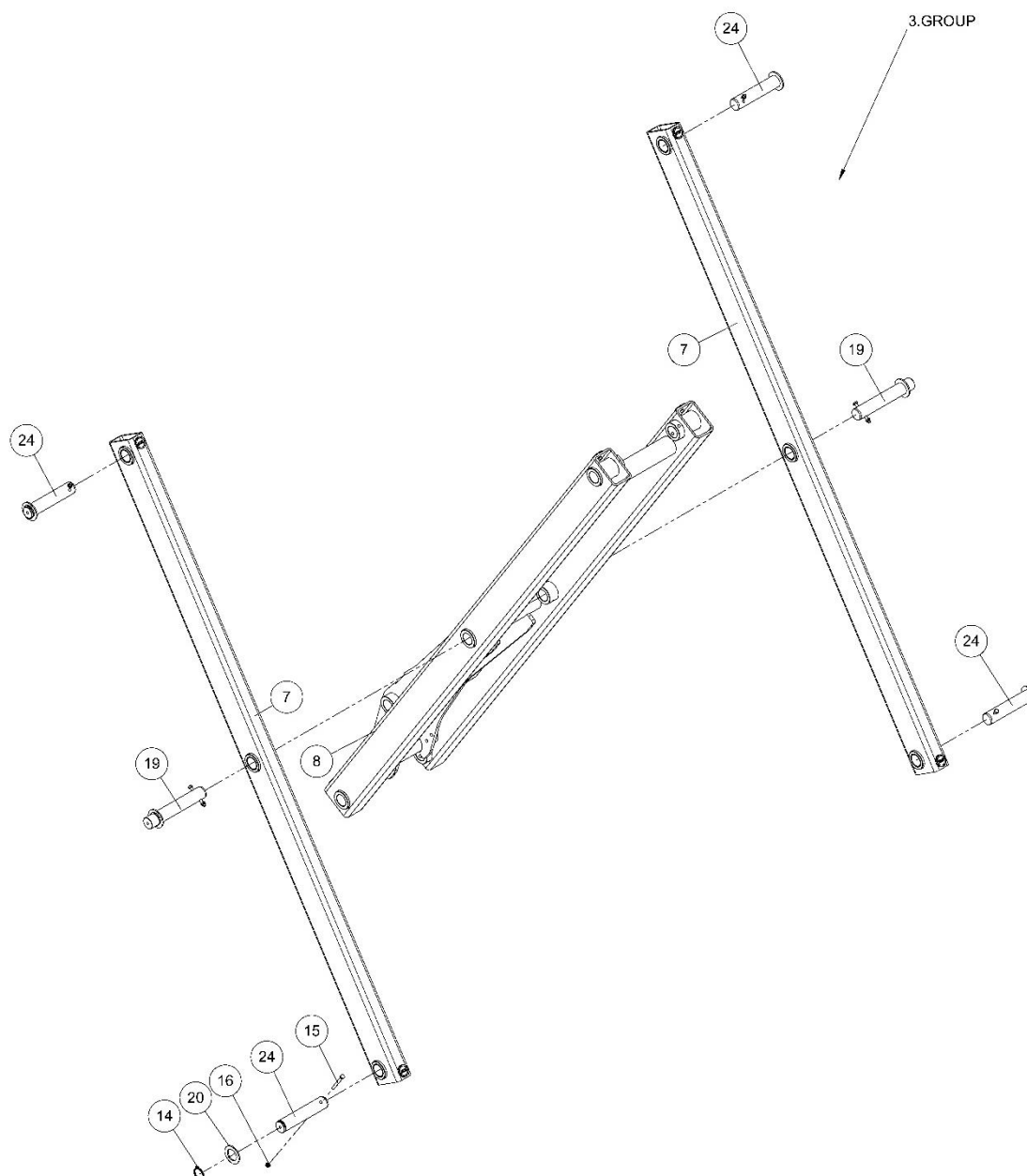
Scissor Group 1 Assembly

Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11620300AA
3	1	1. Outer arm assembly	11620700AA
4	2	Bottom linkage support block	11620001AA
5	2	Bottom linkage support block shaft	19992205AA
13	4	Scissor linkage shaft	19992207AA
14	28	Ø40 Circlip DIN 471	S14063000AA
15	30	M8x75 Hex head cap screw DIN 518	S20008019AA
16	36	M8 Prevailing torque nut ISO 10511	S07008000AA
18	24	ELS Cap	M01400001AA
19	4	Shaft 3	19992203AA
20	26	Washer	19992601AA
24	8	Shaft 2	19992202AA
26	1	Lift cylinder	H00510007AA
27	2	Cylinder, linkage shaft	19992209AA
28	1	Emergency lowering cable, cylinder linkage plate	19992001AA
29	2	M6x16 Hexagon flange screw DIN 6921	S28006006AA
30	2	Cable transport bridge linkage 1	19992007AA
31	1	Cable transport bridge	19992009AA
32	2	Cable transport bridge linkage pin	19992008AA
33	2	Ø8 Circlip DIN 6799	S15018000AA
34	1	Angle sensor	E04301001AA
35	2	M5 Washer DIN 125	S01005000AA
36	2	M5x12 Hex head cap screw DIN 518	S20005004AA

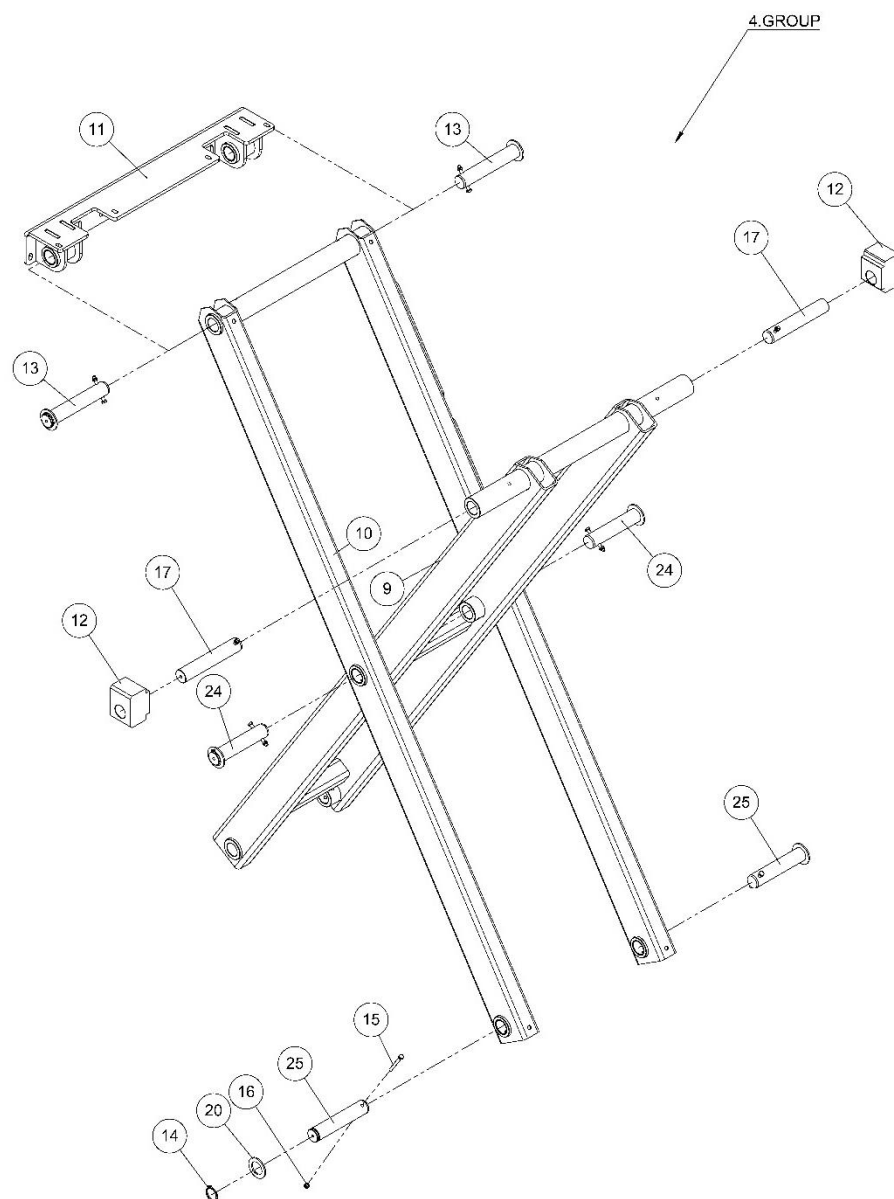
37	1	Angle sensor protection plate	19992002AA
38	2	M6 Washer DIN 125	S01006000AA
39	2	M6x15 Hex head cap screw DIN 518	S20006004AA
40	2	Limit switch mount plate pin	19992005AA
41	1	Limit switch mount plate	19992006AA
42	2	M6x30 Hex head cap screw DIN 518	S20006010AA
43	6	M8x25 Hex head cap screw DIN 518	S20008009AA
44	1	Emergency lowering cable, cylinder linkage	M00600100AA

Scisor Group 2 Assembly

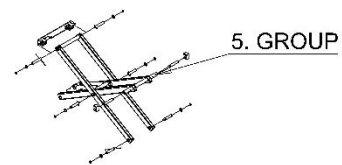
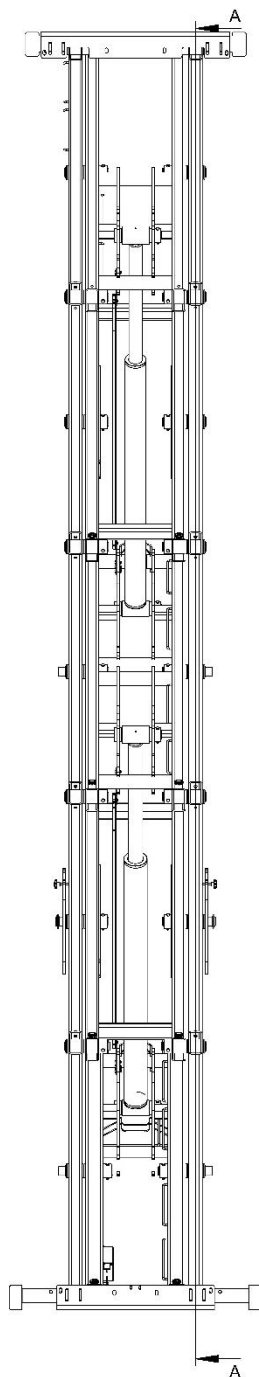
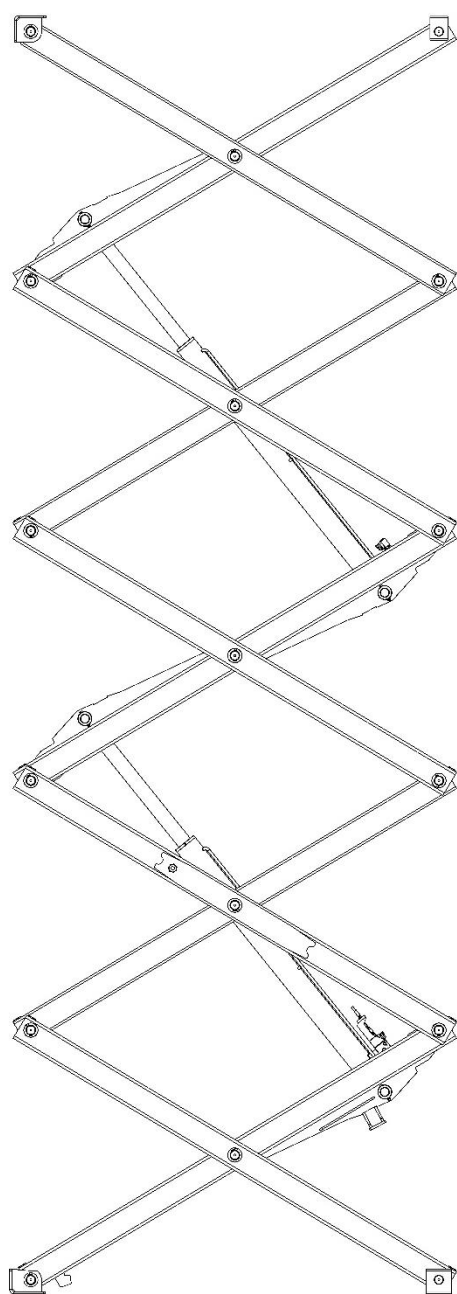
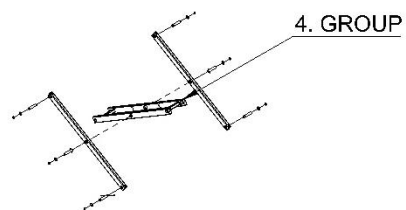
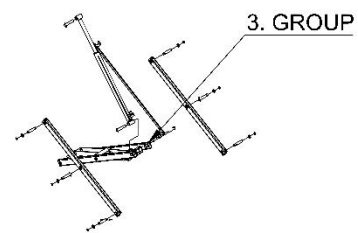
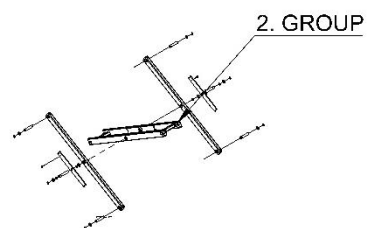
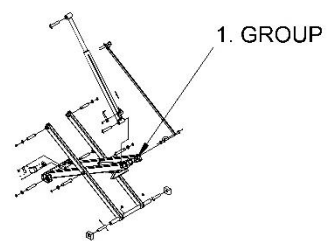
Item	Qty.	Description	Part No.
6	1	2. Inner arm weldment assembly	11620900AA
7	4	2. Outer arm assembly	11621000AA
14	28	Ø40 Circlip DIN 471	S14063000AA
15	30	M8x75 Hex head cap screw DIN 518	S20008019AA
16	36	M8 Prevailing torque nut ISO 10511	S07008000AA
20	26	Washer	19992601AA
21	2	Maintenance Rod	19992003AA
22	2	M8x40 Bakelite star knob	S30008012AA
23	2	Shaft 4	19992204AA
25	6	Scissor linkage shaft	19992201AA

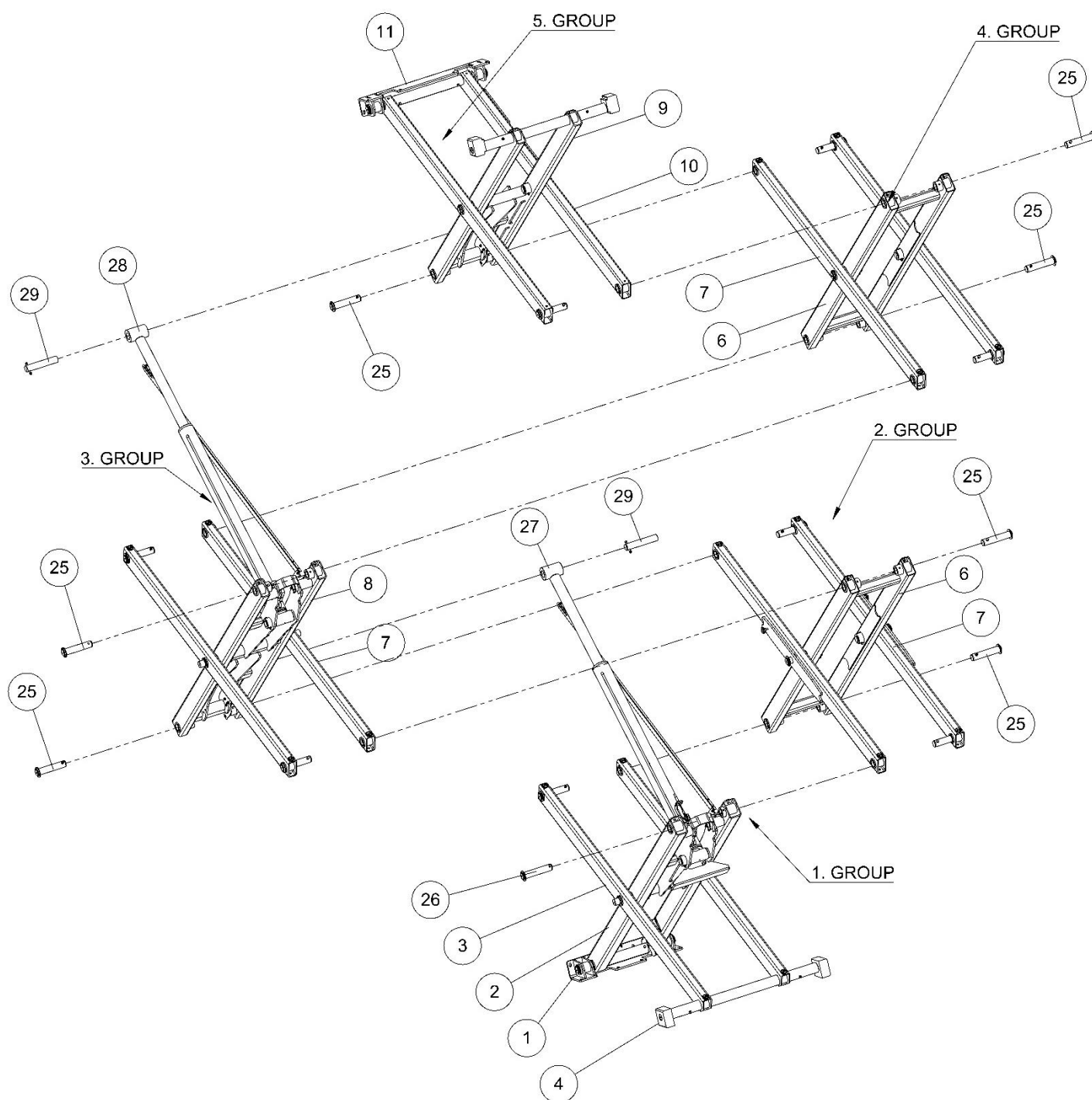
Scissor Group 3 Assembly

Item	Qty.	Description	Part No.
7	4	2. Outer arm assembly	11621000AA
8	1	3. Inner arm weldment assembly	11520100AA
14	28	Ø40 Circlip DIN 471	S14063000AA
15	30	M8x75 Hex head cap screw DIN 518	S20008019AA
16	36	M8 Prevailing torque nut ISO 10511	S07008000AA
19	4	Shaft 3	19992203AA
20	26	Washer	19992601AA
24	8	Shaft 2	19992202AA

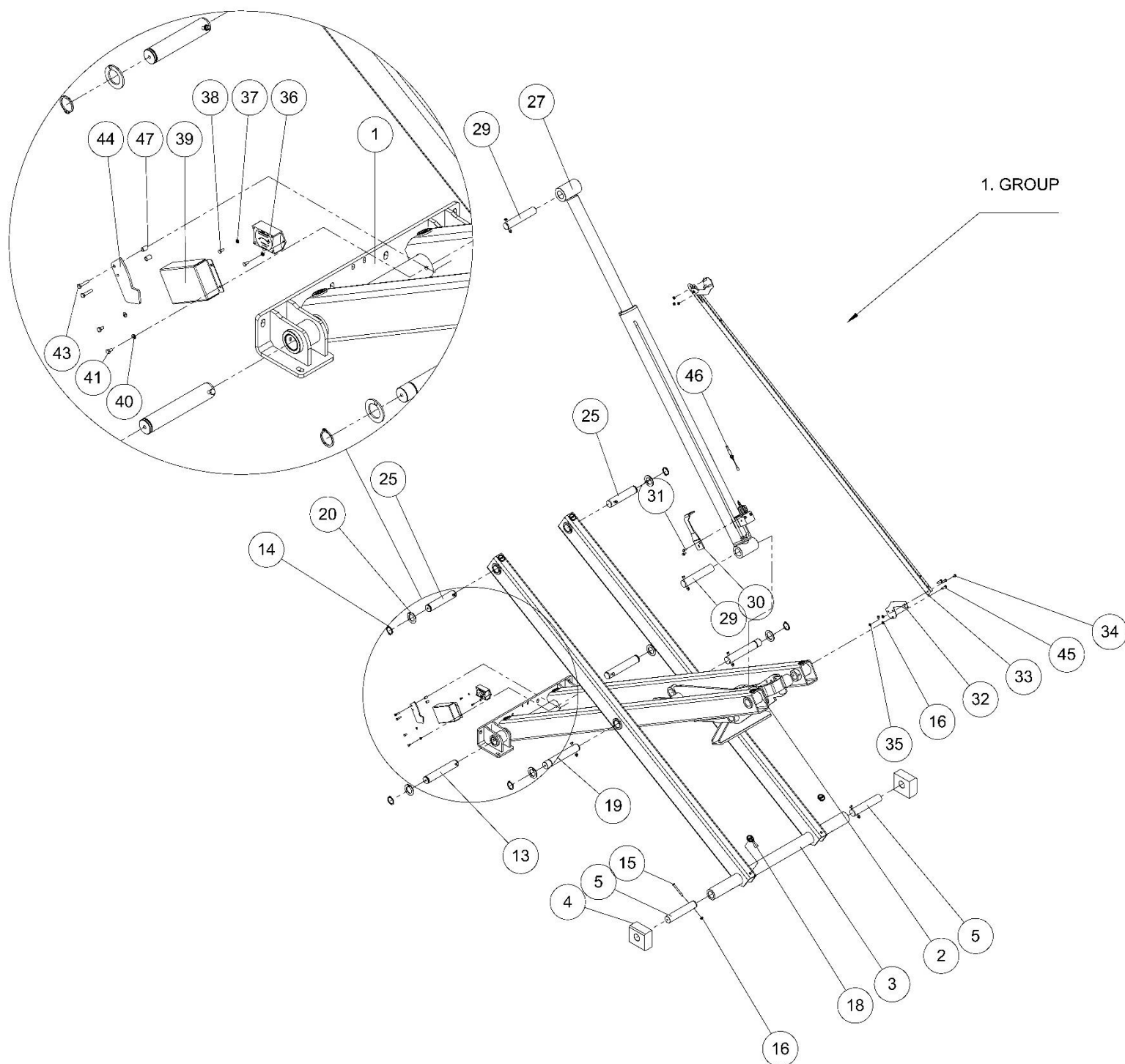
Scissor Group 4 Assembly

Item	Qty.	Description	Part No.
9	1	4. Inner arm weldment assembly	11520200AA
10	1	5. Outer arm assembly	11621700AA
11	1	Top linkage weldment	11621900AA
12	2	Top linkage support block	11620002AA
13	4	Scissor linkage shaft	19992207AA
14	28	Ø40 Circlip DIN 471	S14063000AA
15	30	M8x75 Hex head cap screw DIN 518	S20008019AA
16	36	M8 Prevailing torque nut ISO 10511	S07008000AA
17	2	Shaft 6	19992208AA
20	26	Washer	19992601AA
24	8	Shaft 2	19992202AA
25	6	Scissor linkage shaft	19992201AA

EL 12 SCISSOR GROUP**Scissor Assembly****5. GROUP****4. GROUP****3. GROUP****2. GROUP****1. GROUP**

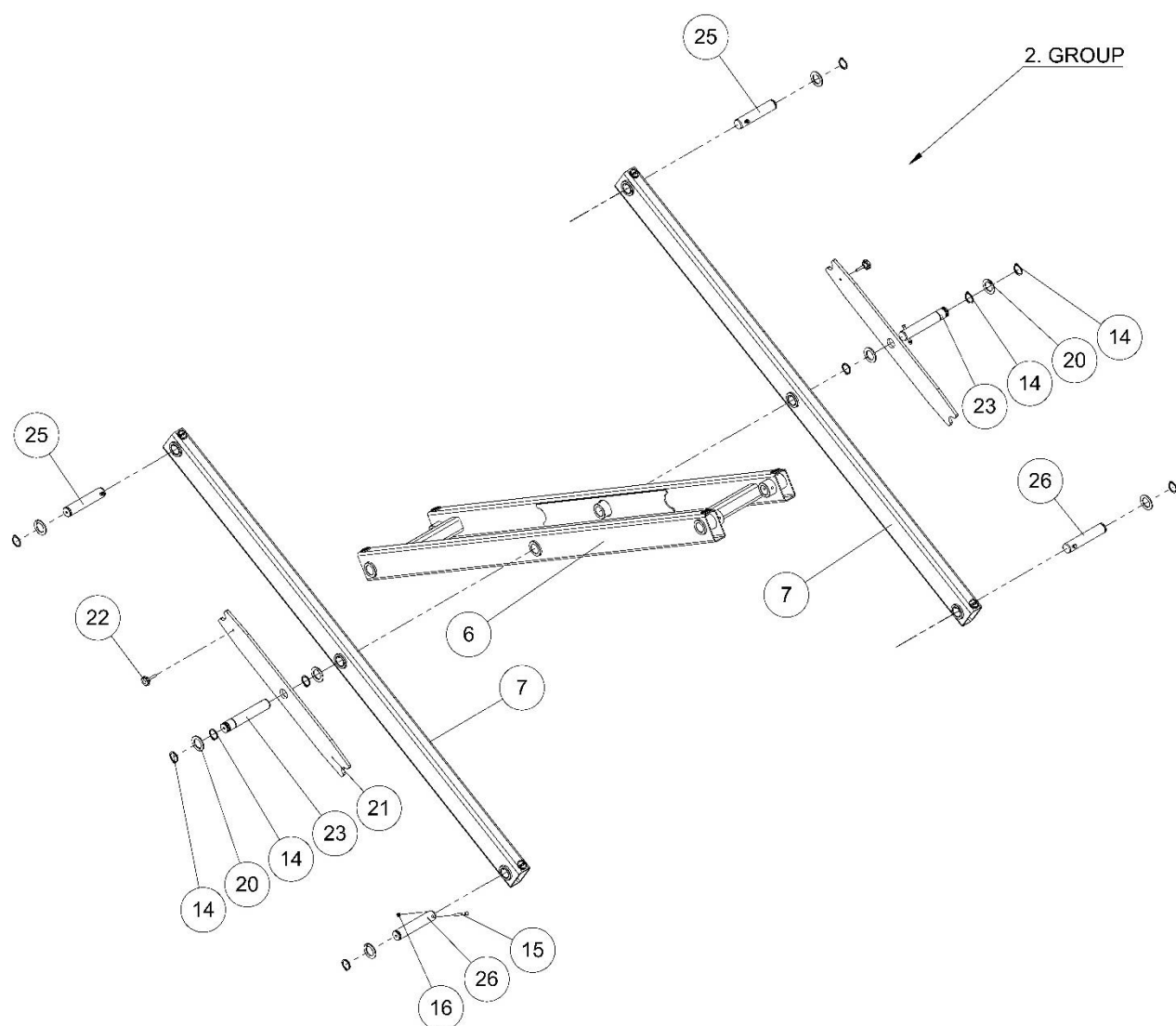


Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11620300AA
3	1	1. Outer arm assembly	11620700AA
4	2	Bottom linkage support block	11620001AA
6	2	2. Inner arm weldment assembly	11620900AA
7	6	2. Outer arm assembly	11621000AA
8	1	3. Inner arm weldment assembly	11621200AA
9	1	5. Inner arm weldment assembly	11621600AA
10	1	5. Outer arm assembly	11621700AA
11	1	Top linkage weldment	11621900AA
25	18	Shaft 2	19992202AA
26	2	Scissor, linkage shaft	19992210AA
27	1	Bottom lift cylinder	H00510007AA
28	1	Top lift cylinder	H00510008AA
29	4	Cylinder, linkage shaft	19992209AA

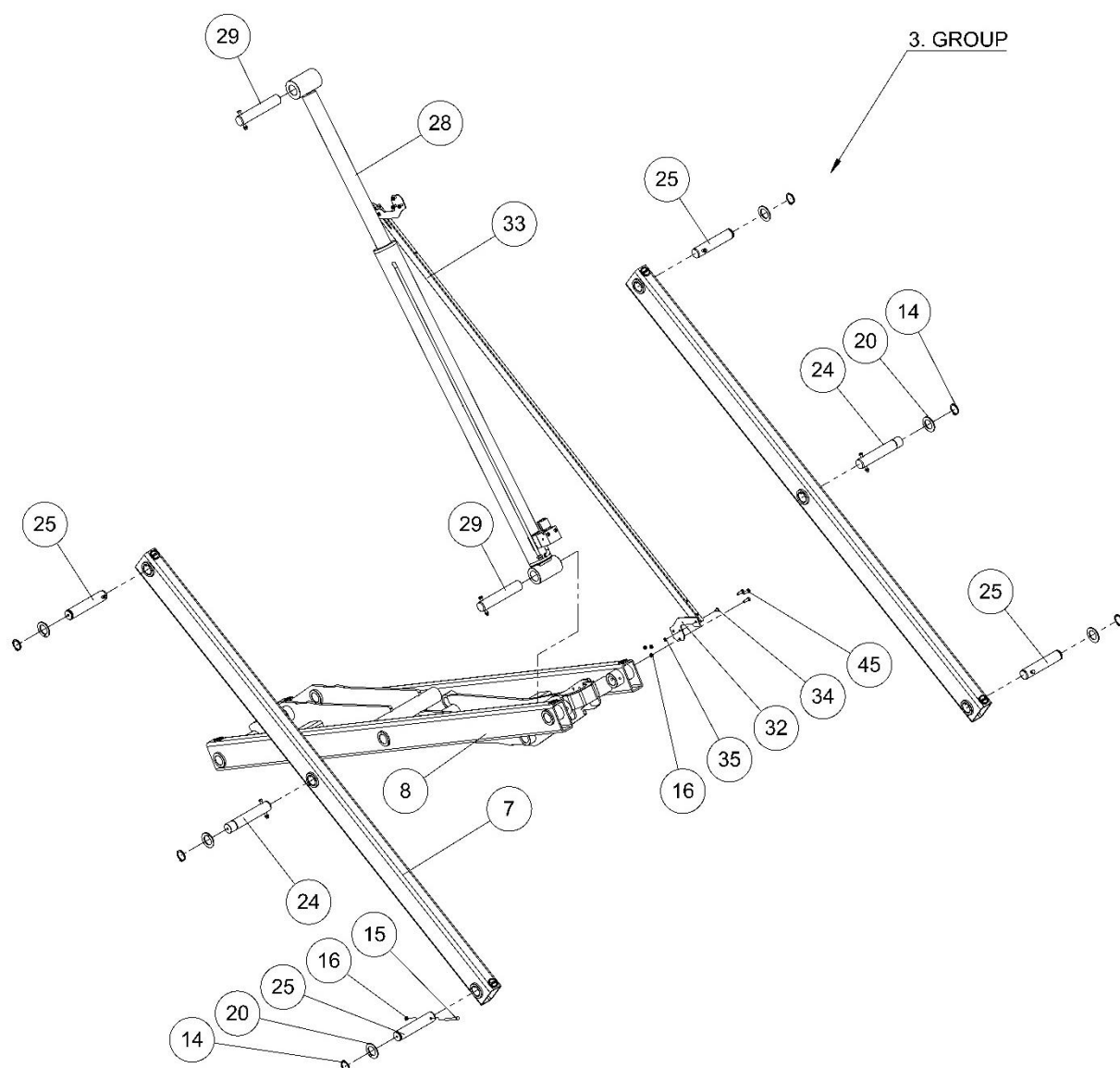
Scissor Group 1 Assembly

Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11620300AA
3	1	1. Outer arm assembly	11620700AA
4	2	Bottom linkage support block	11620001AA
5	2	Bottom linkage support block shaft	19992205AA
13	4	Scissor, linkage shaft	19992207AA
14	34	Ø40 Circlip DIN 471	S14063000AA
15	38	M8x75 Hex head cap screw DIN 518	S20008019AA
16	50	M8 Prevailing torque nut ISO 10511	S07008000AA
18	32	ELS Cap	M01400001AA
19	2	Shaft 3	19992203AA
20	32	Washer	19992208AA
25	18	Shaft 2	19992202AA
27	1	Bottom lift cylinder	H00510007AA
29	4	Cylinder, linkage shaft	19992209AA
30	1	Emergency lowering cable, cylinder linkage plate	19992001AA
31	1	M6x16 Hexagon flange screw DIN 6921	S28006006AA
32	4	Cable transport bridge linkage	19992007AA
33	2	Cable transport bridge	19992009AA
34	4	Cable transport bridge linkage pin	19992008AA
35	4	Ø8 Circlip DIN 6799	S15018000AA
36	1	Angle sensor	E04301001AA
37	2	M5 Washer DIN 125	S01005000AA
38	2	M5x12 Hex head cap screw DIN 518	S20005004AA

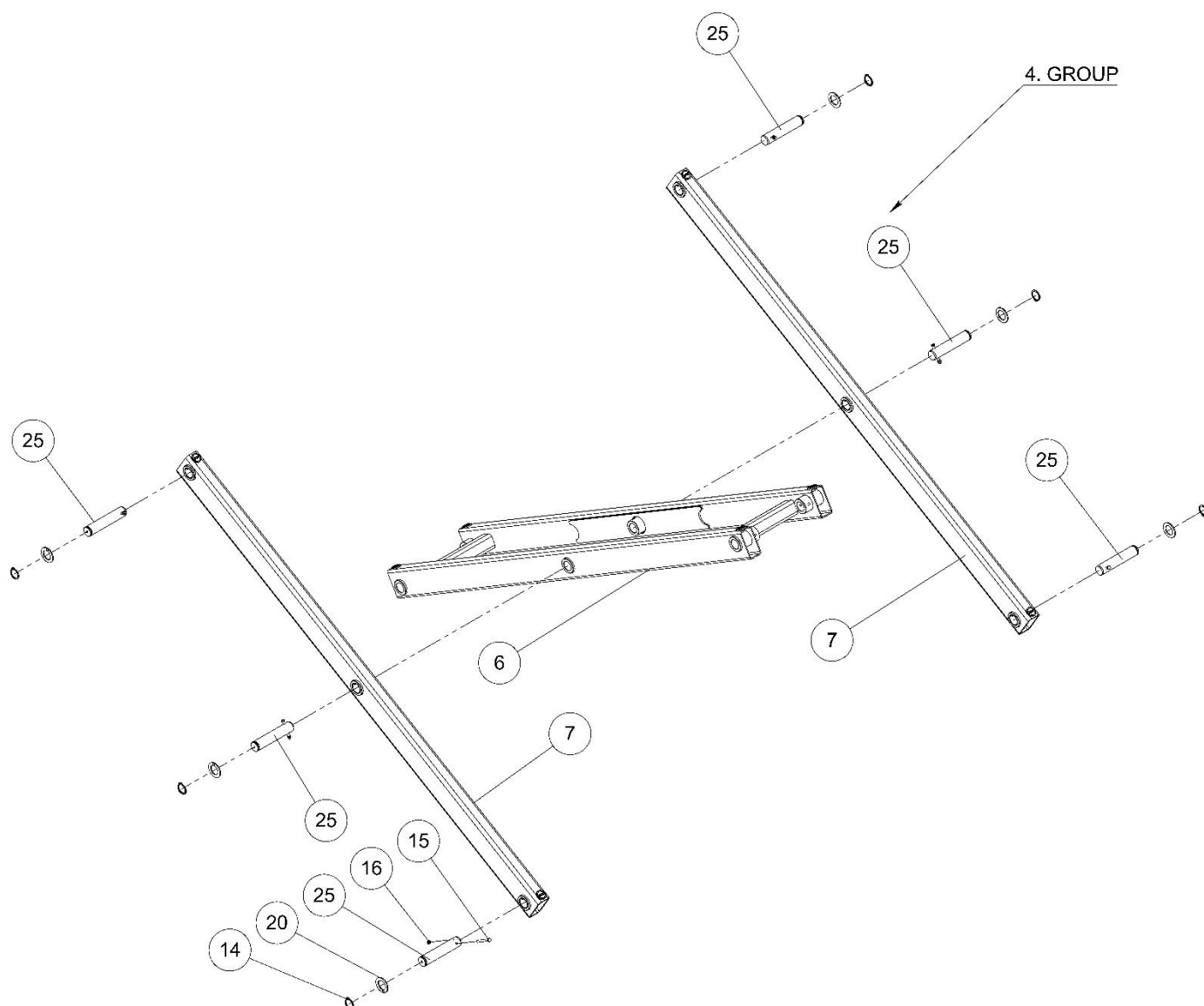
39	1	Angle sensor protection plate	19992002AA
40	2	M6 Washer DIN 125	S01006000AA
41	2	M6x15 Hex head cap screw DIN 518	S20006004AA
43	2	M6x30 Hex head cap screw DIN 518	S20006010AA
44	1	Limit switch mount plate	19992006AA
45	12	M8x25 Hex head cap screw DIN 518	S20008009AA
46	1	Emergency lowering cable, cylinder linkage	M00620100AA
47	2	Limit switch mount plate pin	19992005AA

Scisor Group 2 Assembly

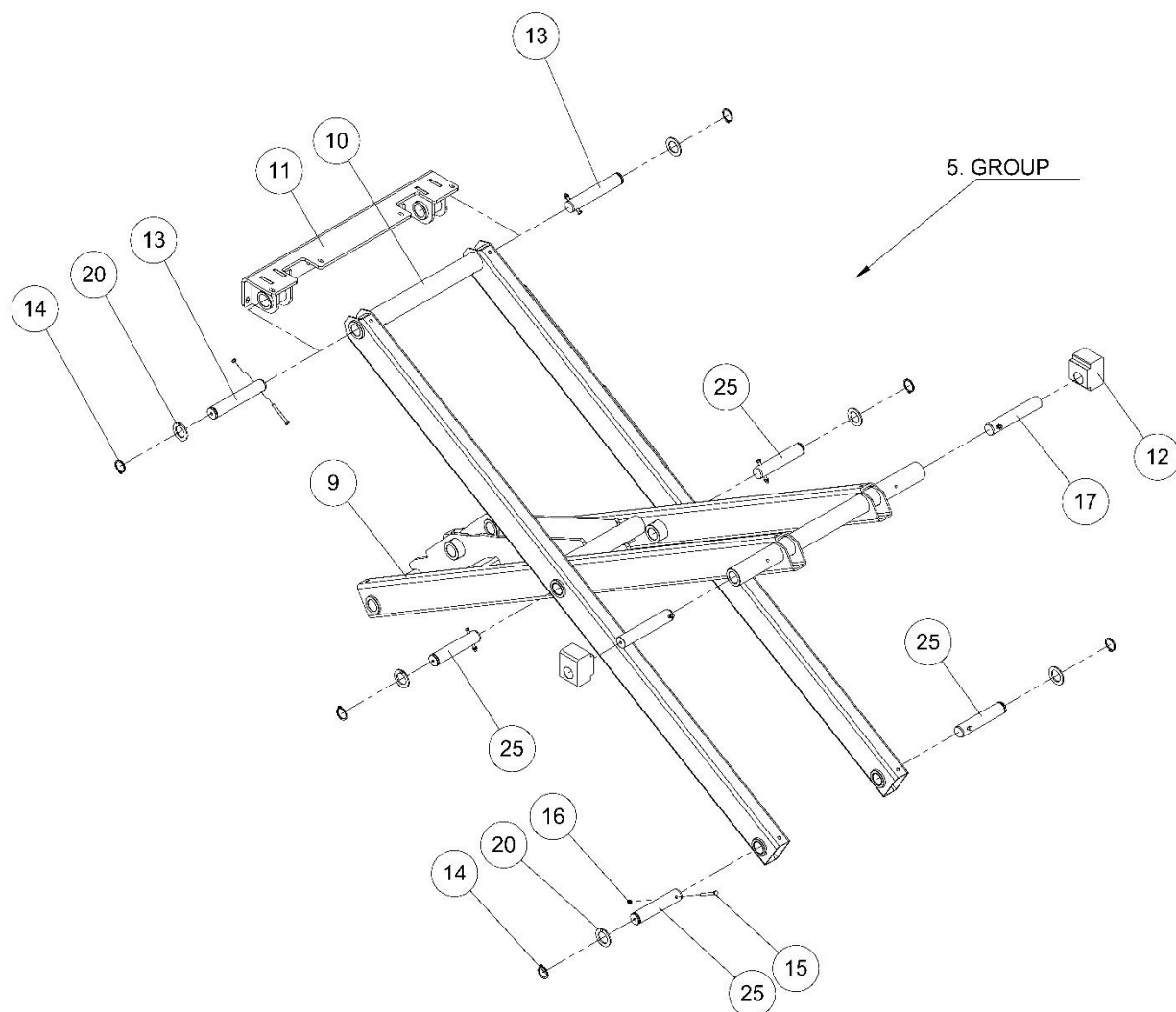
Item	Qty.	Description	Part No.
6	2	2. Inner arm weldment assembly	11620900AA
7	6	2. Outer arm assembly	11621000AA
14	34	Ø40 Circlip DIN 471	S14063000AA
15	38	M8x75 Hex head cap screw DIN 518	S20008019AA
16	50	M8 Prevailing torque nut ISO 10511	S07008000AA
20	32	Washer	19992208AA
21	2	Maintenance Rod	19992003AA
22	2	M8x40 Bakelite star knob	S30008012AA
23	2	Shaft 4	19992204AA
25	18	Shaft 2	19992202AA
26	2	Scissor, linkage shaft	19992201AA

Scissor Group 3 Assembly

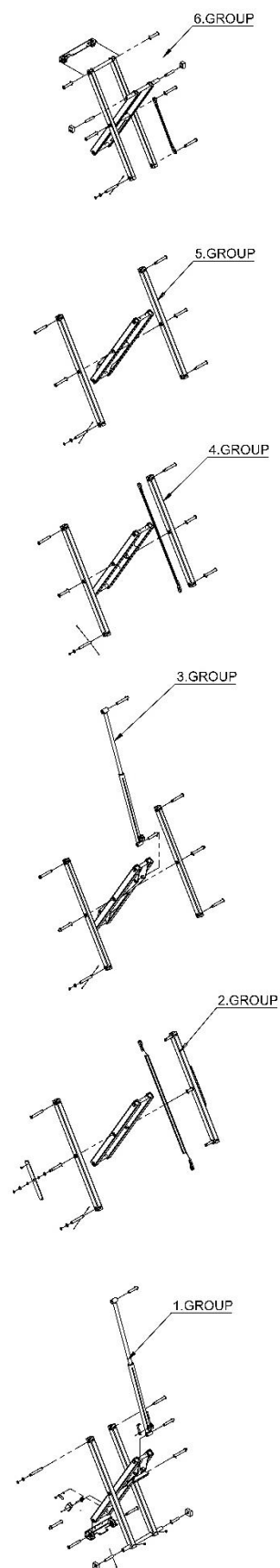
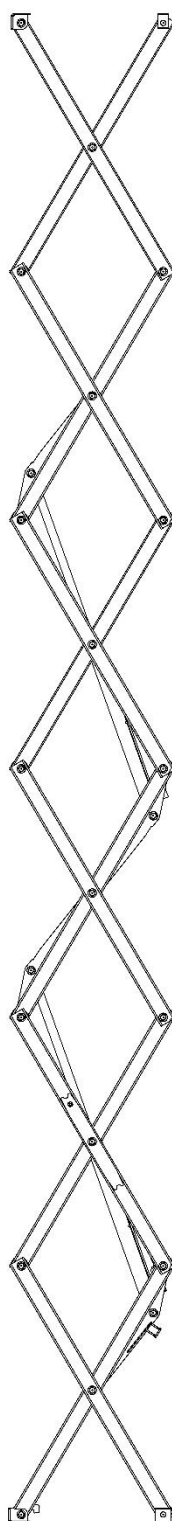
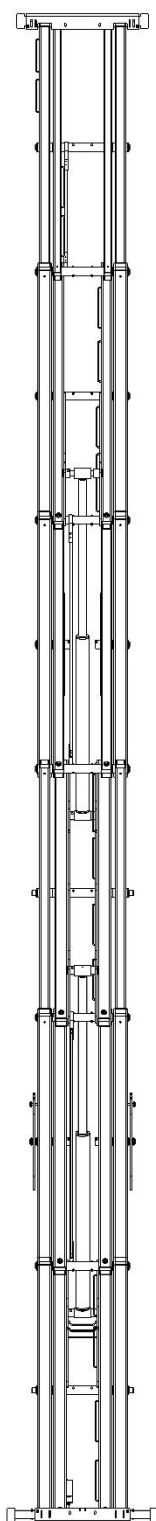
Item	Qty.	Description	Part No.
7	6	2. Outer arm assembly	11621000AA
8	1	3. Inner arm weldent assembly	11621200AA
14	34	Ø40 Circlip DIN 471	S14063000AA
15	38	M8x75 Hex head cap screw DIN 518	S20008019AA
16	50	M8 Prevailing torque nut ISO 10511	S07008000AA
20	32	Washer	19992601AA
24	2	Shaft 5	19992206AA
25	18	Shaft 2	19992202AA
28	1	Top lift cylinder	H00510008AA
29	4	Cylinder, linkage shaft	19992209AA
32	4	Cable transport bridge linkage	19992007AA
33	2	Cable transport bridge	19992009AA
34	4	Cable transport bridge linkage pin	19992008AA
35	4	Ø8 Circlip DIN 6799	S15018000AA

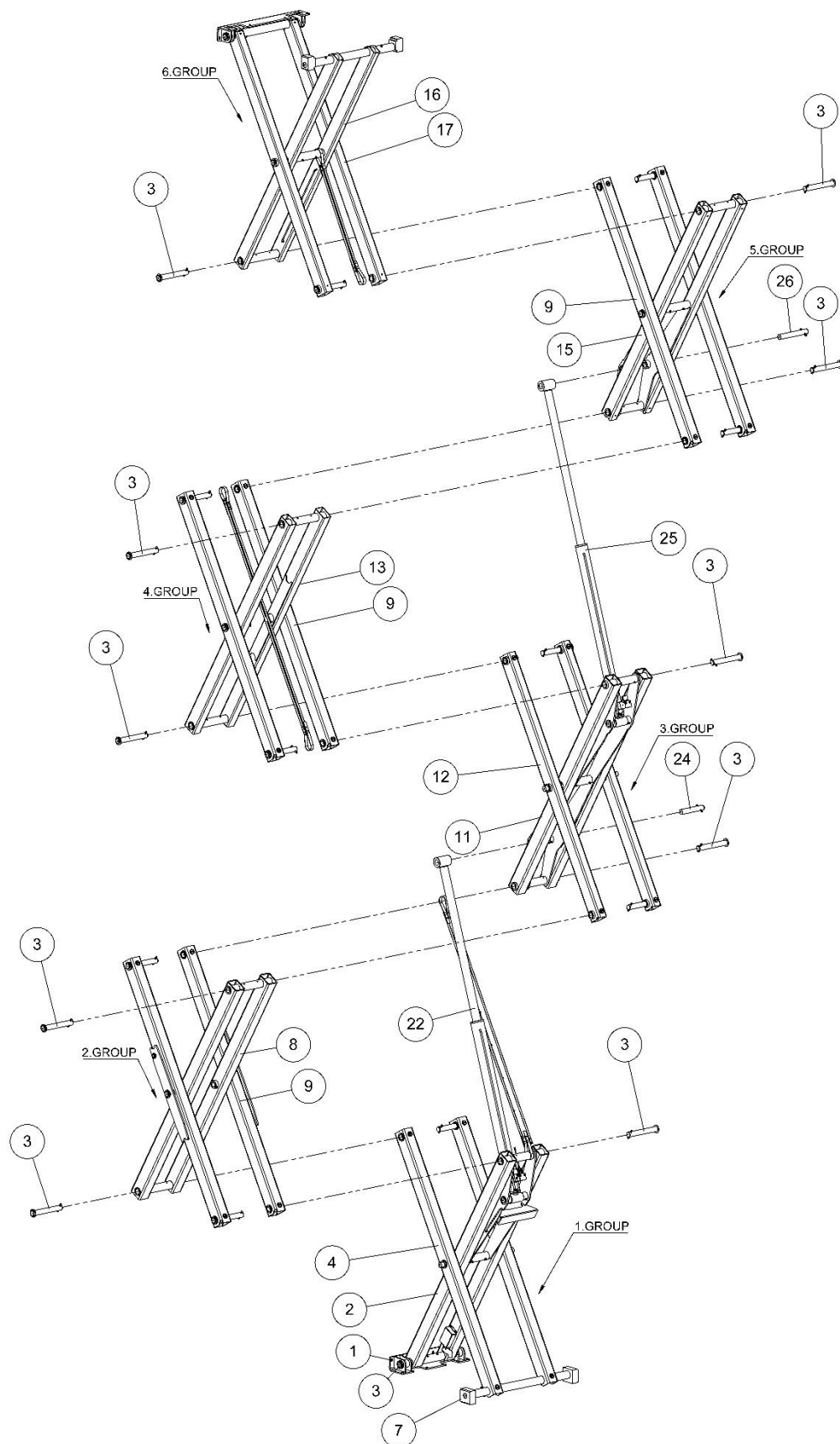
Scissor Group 4 Assembly

Item	Qty.	Description	Part No.
6	2	2. Inner arm weldment assembly	11620900AA
7	6	2. Outer arm assembly	11621000AA
14	34	Ø40 Circlip DIN 471	S14063000AA
15	38	M8x75 Hex head cap screw DIN 518	S20008019AA
16	50	M8 Prevailing torque nut ISO 10511	S07008000AA
20	32	Washer	19992601AA
25	18	Shaft 2	19992202AA

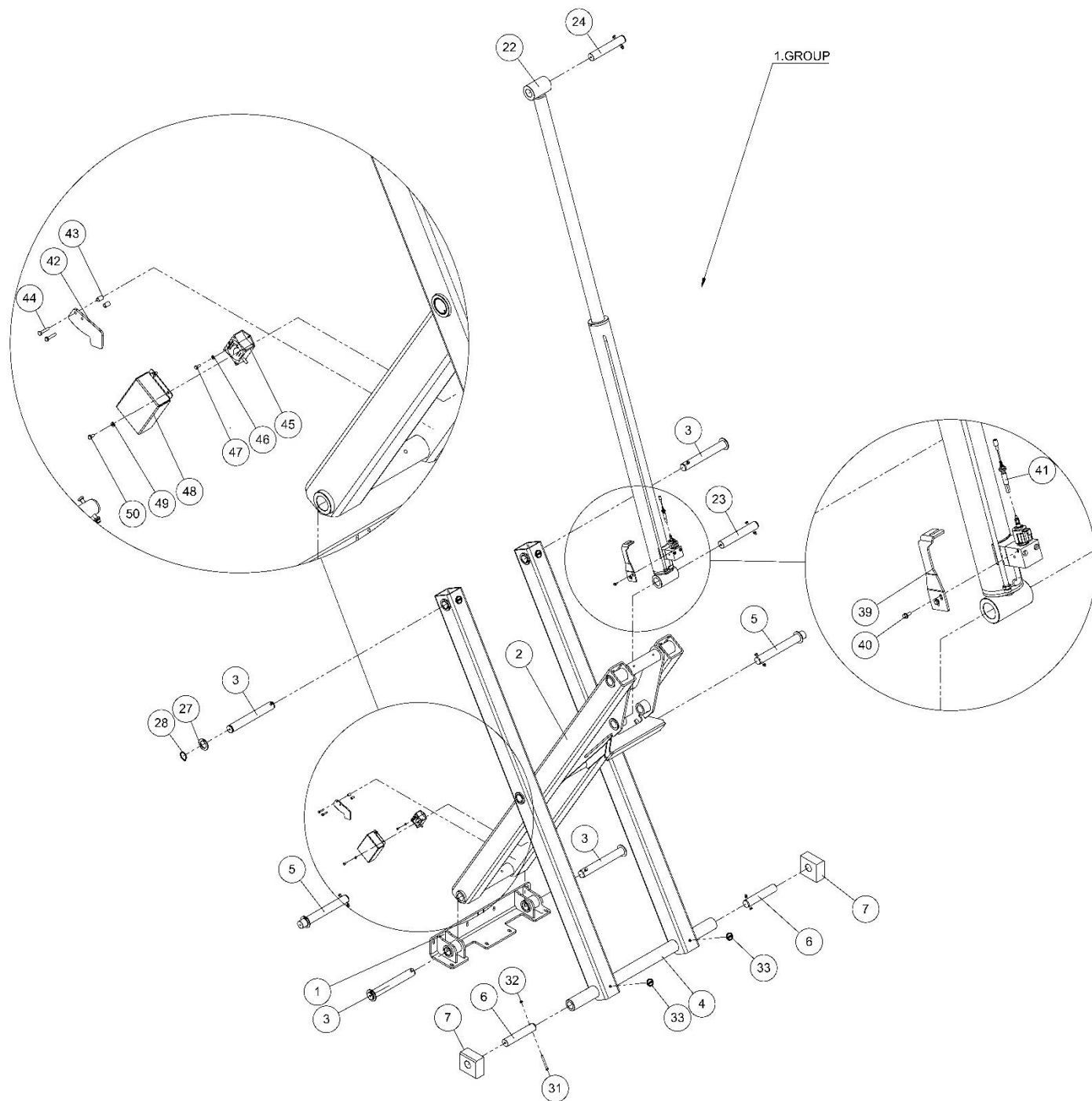
Scissor Group 5 Assembly

Item	Qty.	Description	Part No.
9	1	5. Inner arm weldment assembly	11621600AA
10	1	5. Outer arm assembly	11621700AA
11	1	Top linkage weldment	11621900AA
12	2	Top linkage support block	11620002AA
13	4	Scissor,linkage shaft	19992207AA
14	34	Ø40 Circlip DIN 471	S14063000AA
15	38	M8x75 Hex head cap screw DIN 518	S20008019AA
16	50	M8 Prevailing torque nut ISO 10511	S07008000AA
17	2	Shaft 6	19992208AA
20	32	Washer	19992208AA
25	18	Shaft 2	19992202AA

EL 14 SCISSOR GROUP**Scissor Assembly**

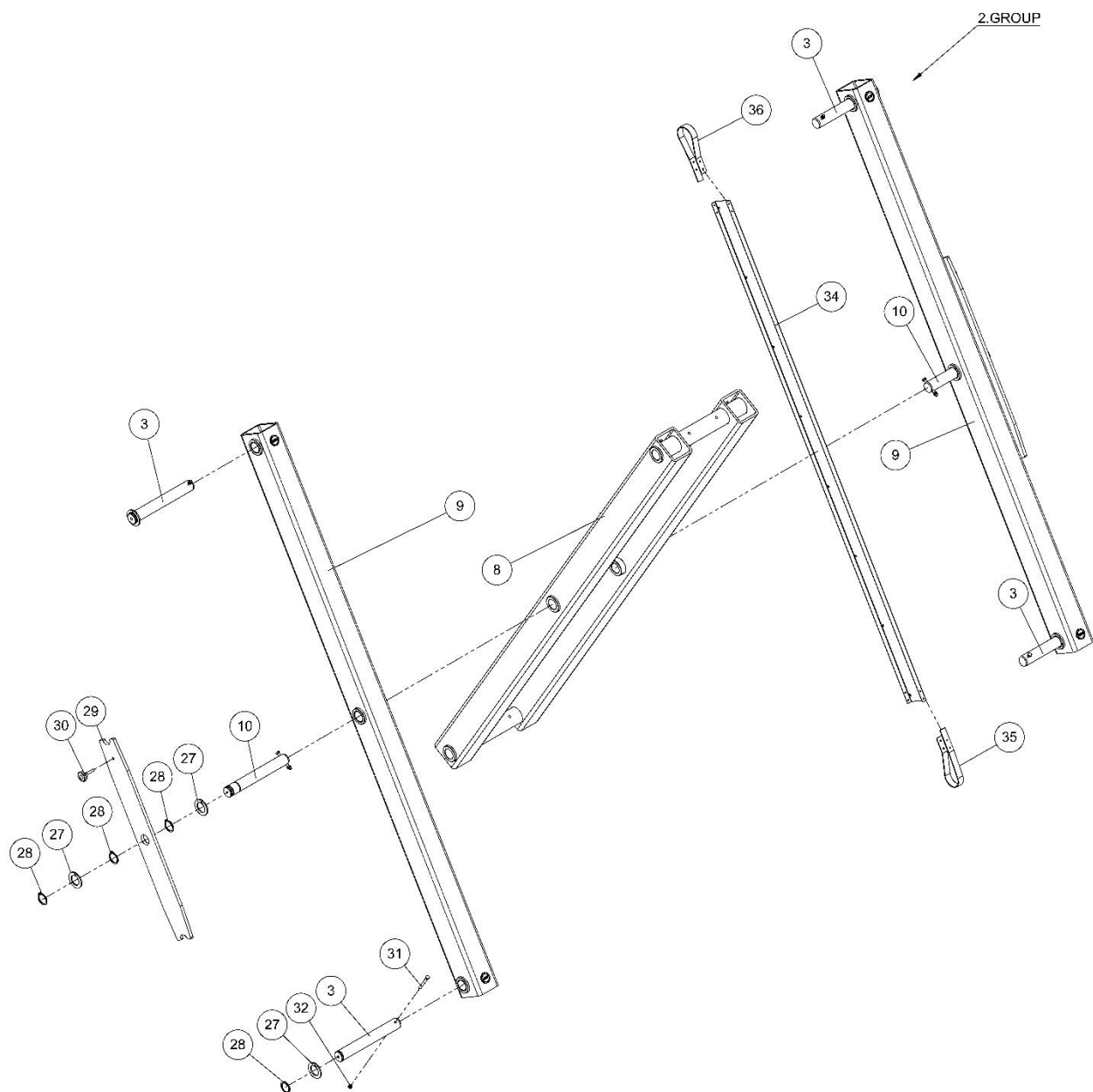


Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11720100AA
3	26	Scissor, linkage shaft	11720001AA
4	1	1. Outer arm assembly	11720300AA
7	2	Bottom linkage support block	11620001AA
8	1	2. Inner arm weldment assembly	11720500AA
9	6	2. Outer arm assembly	11720600AA
11	1	3. Inner arm weldment assembly	11720800AA
12	2	3. Outer arm assembly	11720900AA
13	1	4. Inner arm weldment assembly	11721100AA
15	1	5. Inner arm weldment assembly	11721200AA
16	1	6. Inner arm weldment assembly	11721300AA
17	1	6. Outer arm assembly	11721400AA
22	1	Bottom lift cylinder	H00510007AA
24	2	Cylinder, linkage shaft	11720006AA
25	1	Top lift cylinder	H00510008AA
26	1	Cylinder, linkage shaft	11720007AA

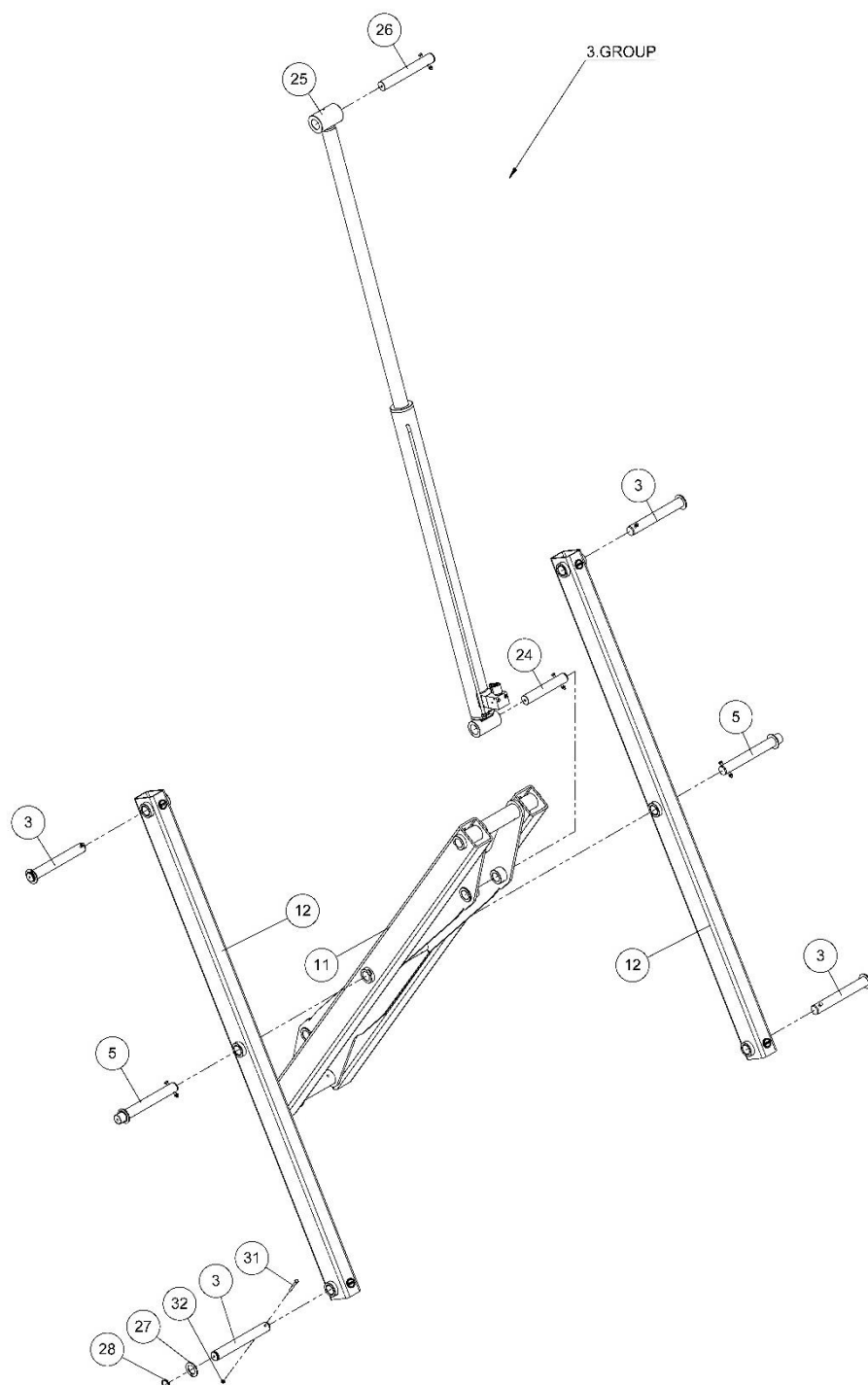
Scisor Group 1 Assembly

Item	Qty.	Description	Part No.
1	1	Bottom linkage weldment	11620100AA
2	1	1. Inner arm weldment assembly	11720100AA
3	26	Scissor, linkage shaft	11720001AA
4	1	1. Outer arm assembly	11720300AA
5	4	Shaft 3	11720002AA
6	2	Bottom linkage support block shaft	19992205AA
7	2	Bottom linkage support block	11620001AA
22	1	Bottom lift cylinder	H00510007AA
23	1	Cylinder, linkage shaft	11720005AA
24	4	Cylinder, linkage shaft	11720006AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA
33	40	ELS Cap	M01400001AA
39	1	Emergency lowering cable, cylinder linkage plate	19992001AA
40	2	M6x16 Hexagon flange screw DIN 6921	S28006006AA
41	1	Emergency lowering cable, cylinder linkage	M00600100AA
42	1	Limit switch mount plate	19992006AA
43	2	Limit switch mount plate pin	19992005AA
44	2	M6x30 Hex head cap screw DIN 518	S20006010AA
45	1	Angle sensor	E04301001AA
46	2	M5 Washer DIN 125	S01005000AA
47	2	M5x12 Hex head cap screw DIN 518	S20005004AA

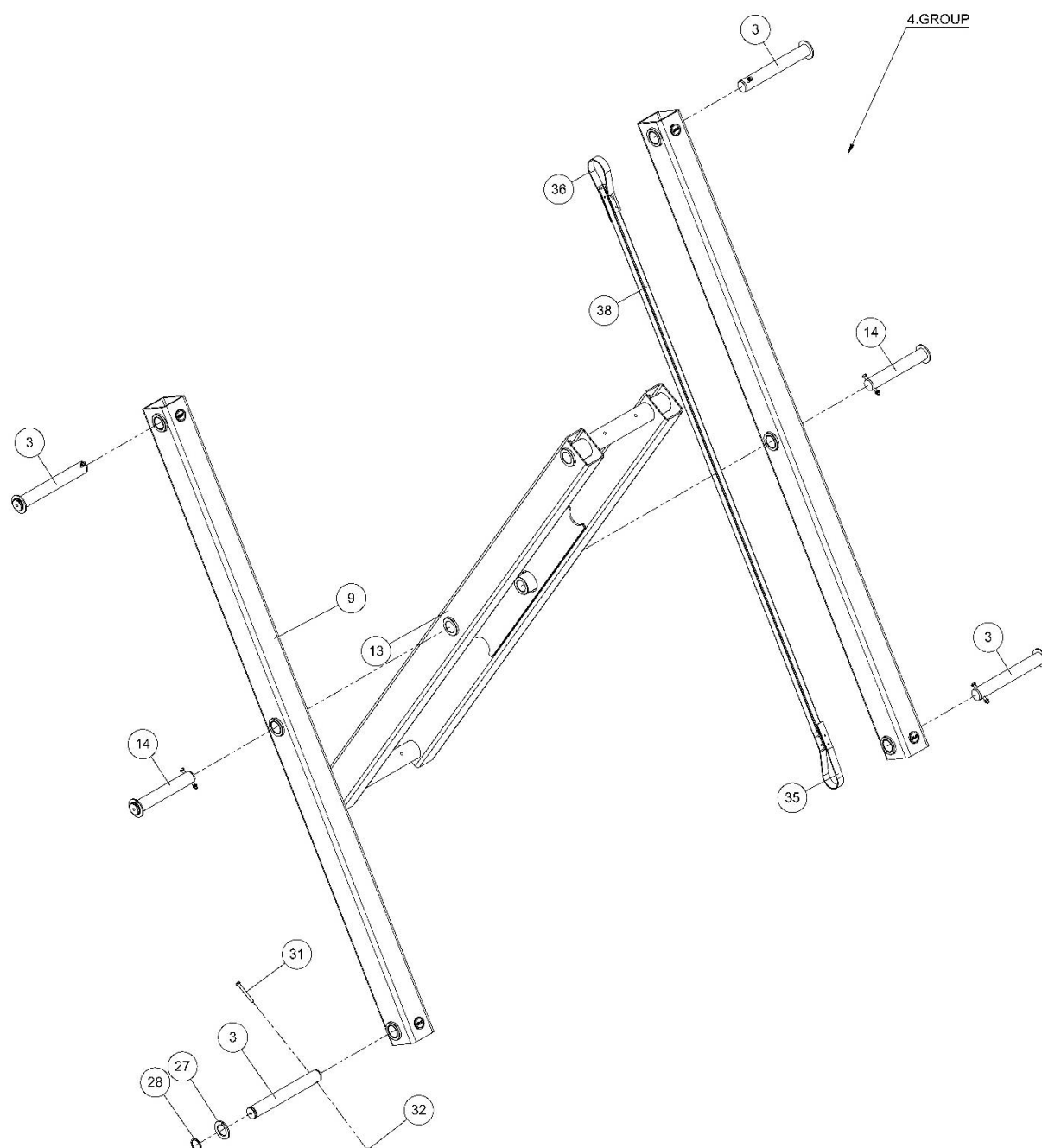
48	1	Angle sensor protection plate	19992002AA
49	2	M6 Washer DIN 125	S01006000AA
50	2	M6x15 Hex head cap screw DIN 518	S20006004AA

Scissor Group 2 Assembly

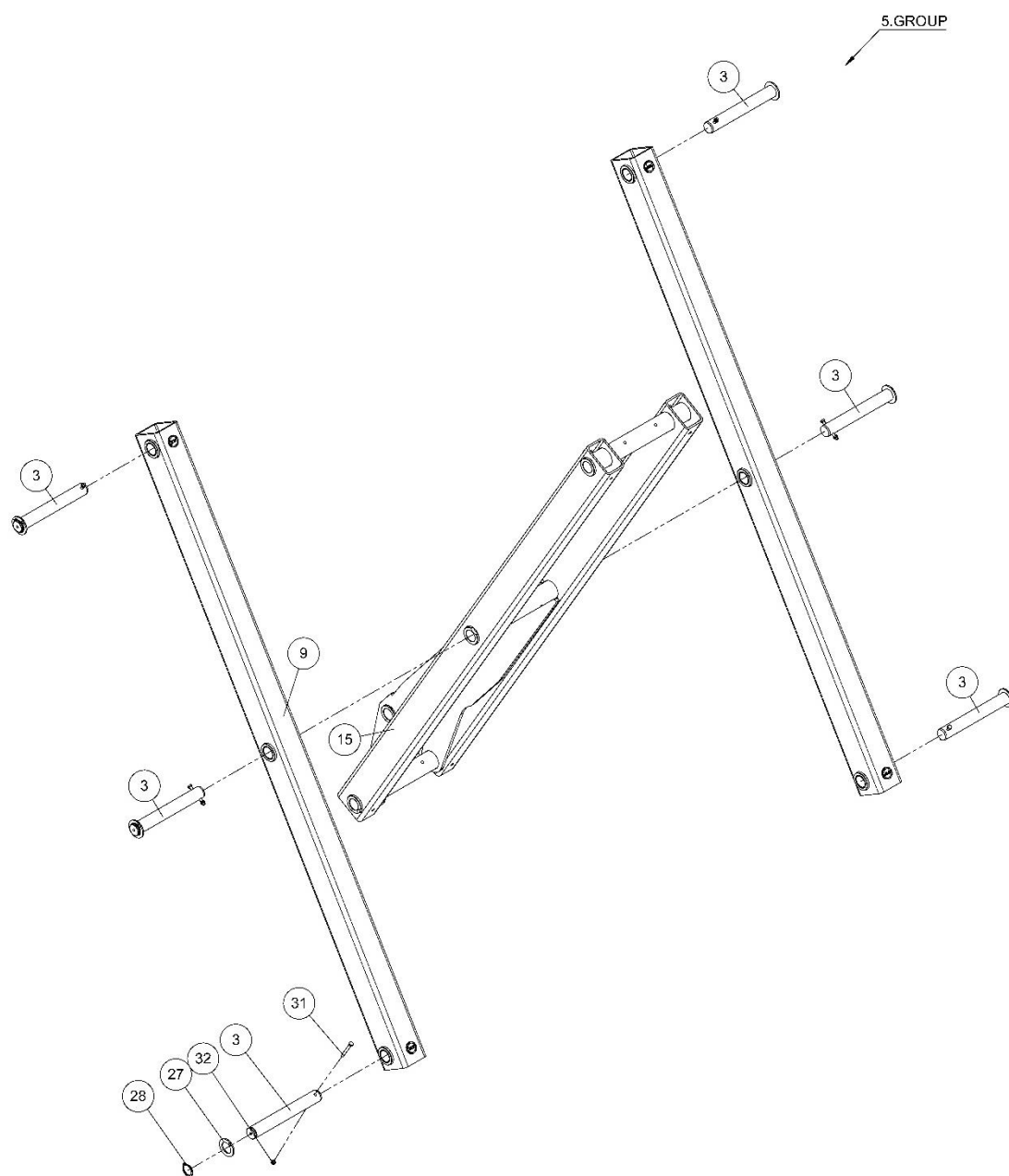
Item	Qty.	Description	Part No.
3	26	Scissor, linkage shaft	11720001AA
8	1	2. Inner arm weldment assembly	11720500AA
9	6	2. Outer arm assembly	11720600AA
10	2	Shaft 4	11720003AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
29	2	Maintenance Rod	19992003AA
30	2	M8x40 Bakelite star knob	S30008012AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA
34	1	Cable transport bridge	11720008AA
35	3	Cable transport bridge linkage 1	11120007AA
36	3	Cable transport bridge linkage 2	11120008AA

Scissor Group 3 Assembly

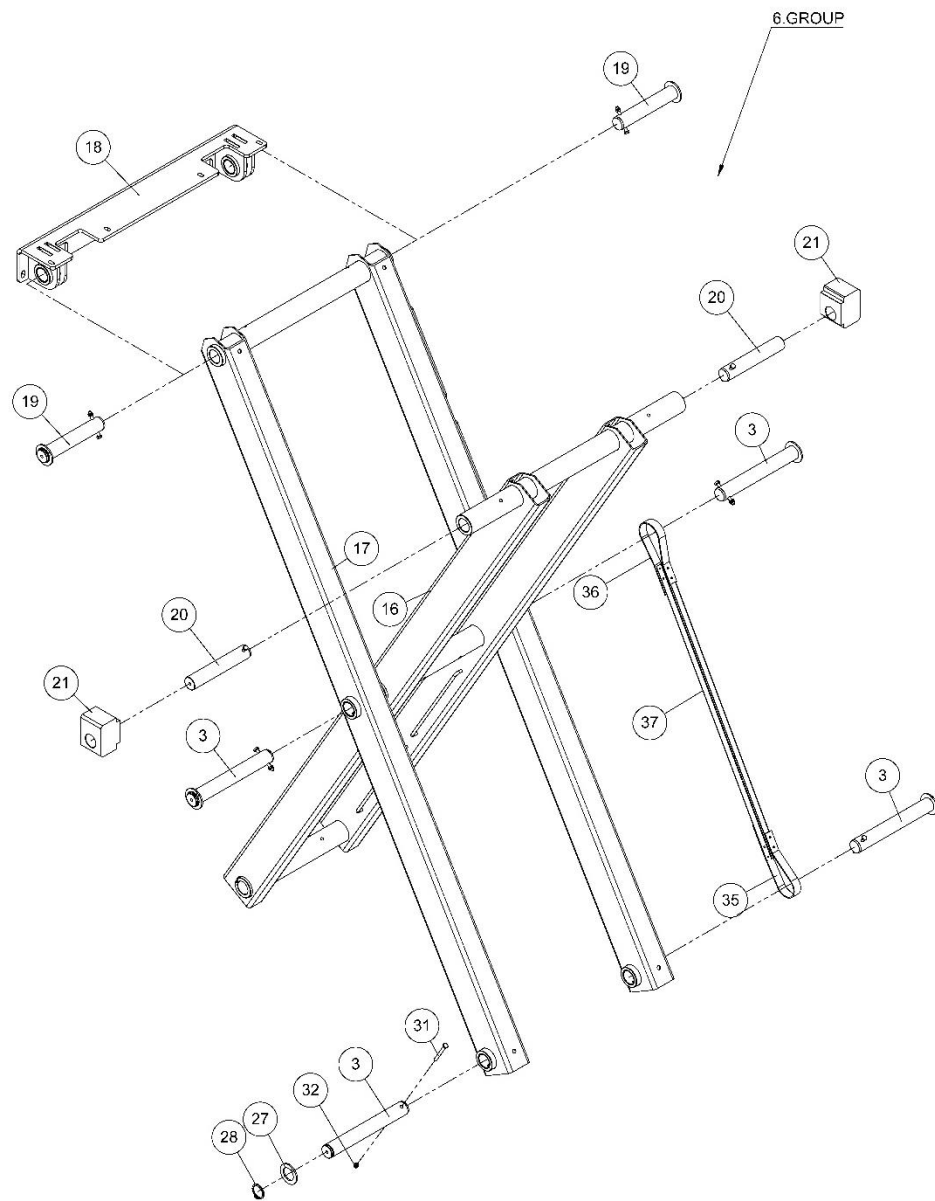
Item	Qty.	Description	Part No.
3	26	Scissor, linkage shaft	11720001AA
5	4	Shaft 3	11720002AA
11	1	3. Inner arm weldment assembly	11720800AA
12	2	3. Outer arm assembly	11720900AA
24	2	Cylinder, linkage shaft	11720006AA
25	1	Top lift cylinder	H00510008AA
26	1	Cylinder, linkage shaft	11720007AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA

Scissor Group 4 Assembly

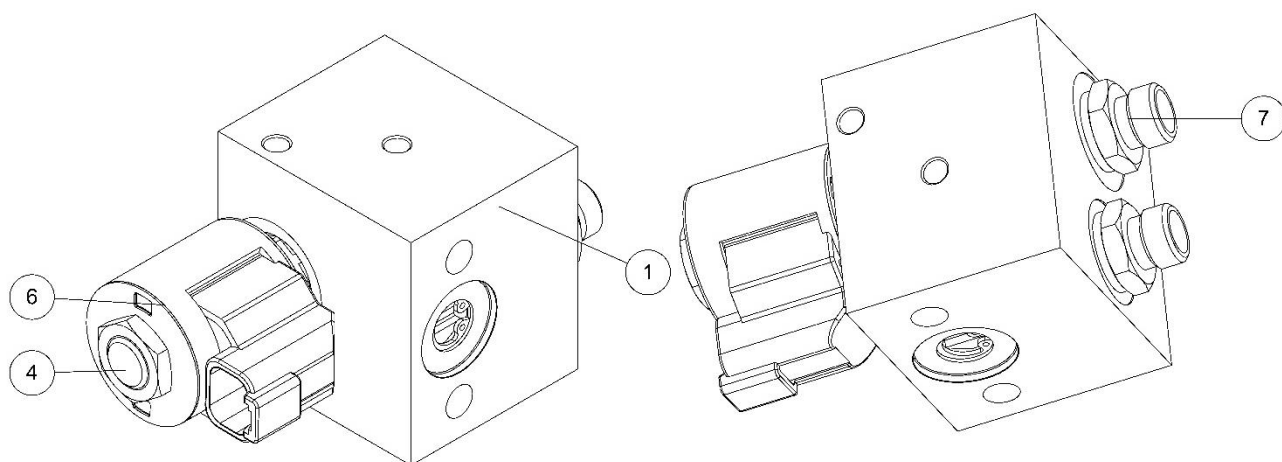
Item	Qty.	Description	Part No.
3	26	Scissor, linkage shaft	11720001AA
9	6	2. Outer arm assembly	11720600AA
13	1	4. Inner arm weldment assembly	11721100AA
14	2	Scissor, linkage shaft	11720004AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA
35	3	Cable transport bridge linkage 1	11120007AA
36	3	Cable transport bridge linkage 2	11120008AA
38	1	Cable transport bridge	11720009AA

Scissor Group 5 Assembly

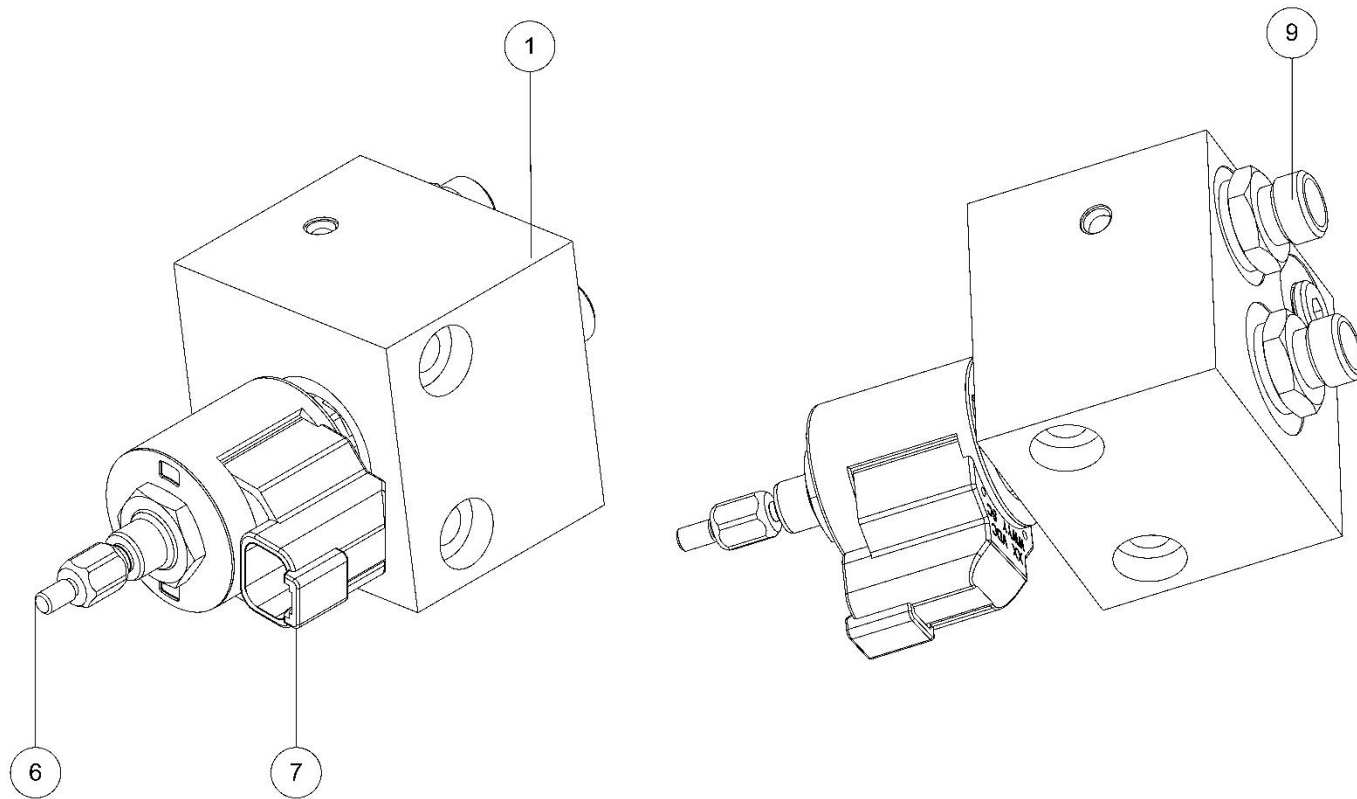
Item	Qty.	Description	Part No.
3	26	Scissor, linkage shaft	11720001AA
9	6	2. Outer arm assembly	11720600AA
15	1	5. Inner arm weldment assembly	11721200AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA

Scissor Group 6 Assembly

Item	Qty.	Description	Part No.
3	26	Scissor, linkage shaft	11720001AA
16	1	6. Inner arm weldment assembly	11721300AA
17	1	6. Outer arm assembly	11721400AA
18	1	Top linkage weldment	11721600AA
19	2	Scissor, linkage shaft	19992207AA
20	2	Shaft 6	19992208AA
21	2	Top linkage support block	11620002AA
27	38	Washer	19992601AA
28	40	Ø40 Circlip DIN 471	S14063000AA
31	44	M8x75 Hex head cap screw DIN 518	S20008019AA
32	44	M8 Prevailing torque nut ISO 10511	S07008000AA
35	3	Cable transport bridge linkage 1	11120007AA
36	3	Cable transport bridge linkage 2	11120008AA
37	1	Cable transport bridge	11120006AA

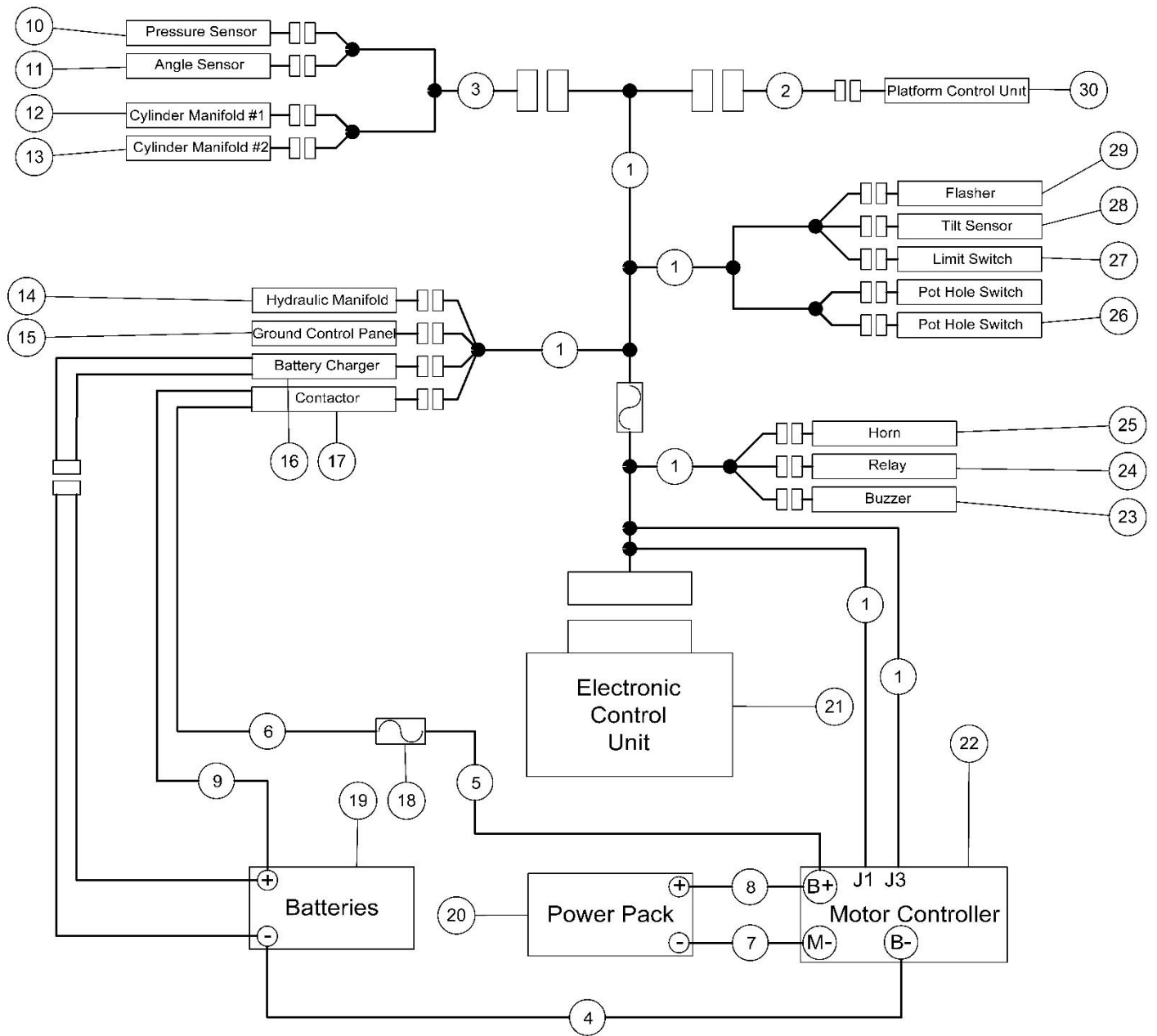
Top Cylinder Manifold

Item	Qty.	Description	Part No.
1	1	Top cylinder hydraulic block	H00700003AA
4	1	Solenoid valve 4	H00800004AA
6	1	Coil 03	H00900003AA
7	2	G1/4" Ø8L Connector	H10251005AA

Bottom Cylinder Manifold

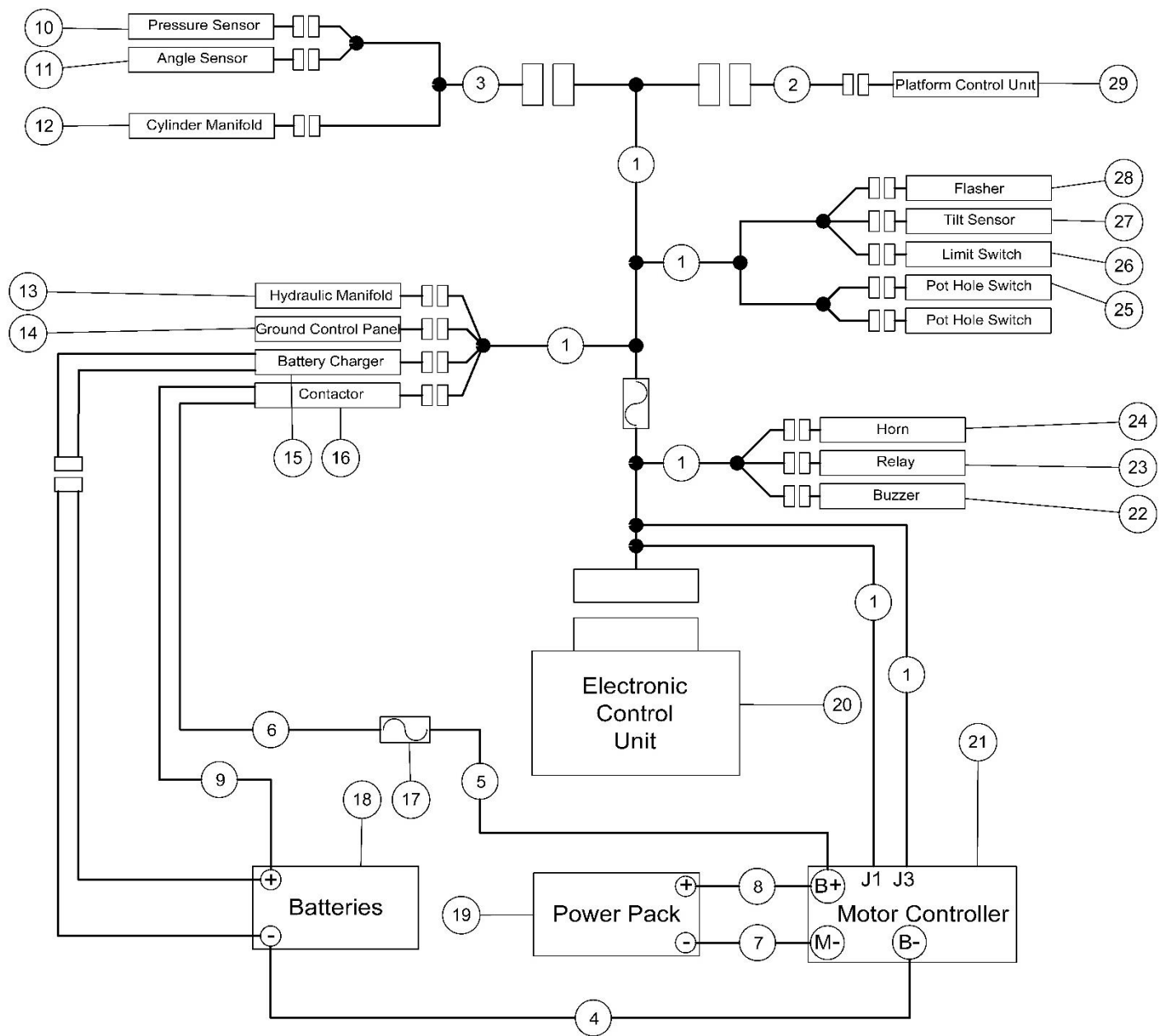
Item	Qty.	Description	Part No.
1	1	Bottom cylinder hydraulic block	H00700004AA
6	1	Solenoid valve 7	H00800007AA
7	1	Coil 03	H00900003AA
9	2	G1/4" Ø8L Connector	H10251005AA

ELECTRICAL WIRING DIAGRAM

EL 14 EL 12 Electrical Wiring Diagram

Item	Qty.	Description	Part No.
1	1	Cable assembly for chassis	E01211601AA
2	1	Cable assembly, scissors to platform control unit	E01211602AA
3	1	Cable assembly, chassis to scissors group	E01211603AA
4	1	Cable assembly, battery neg to motor controller B-	E01211605AA
5	1	Cable assembly, fuse to motor controller B+	E01211610AA
6	1	Cable assembly, contactor to fuse	E01211606AA
7	1	Cable assembly, power pack neg to motor controller M-	E01211608AA
8	1	Cable assembly, power pack pos to motor controller B+	E01211607AA
9	1	Cable assembly, battery pos to contactor	E01211604AA
10	1	Pressure sensor	E04303002AA
11	1	Angle sensor	E04301001AA
12	1	Cylinder manifold #1	H00600003AA
13	1	Cylinder manifold #2	H00600004AA
14	1	Hydraulic manifold	H00600001AA
15	1	Ground control panel assembly	-
16	1	24V 30A Battery charger	E00324001AA
17	1	Contactor	E00400001AA
18	1	Fuse	E01100002AA
19	4	6V 315A Batteries	E00212002AA
20	1	Hydraulic power pack	H00100001AA
21	1	Electronic control unit	E04110001AA
22	1	Motor controller	E04000001AA
23	1	Buzzer	E01600002AA
24	1	Relay	E01700001AA

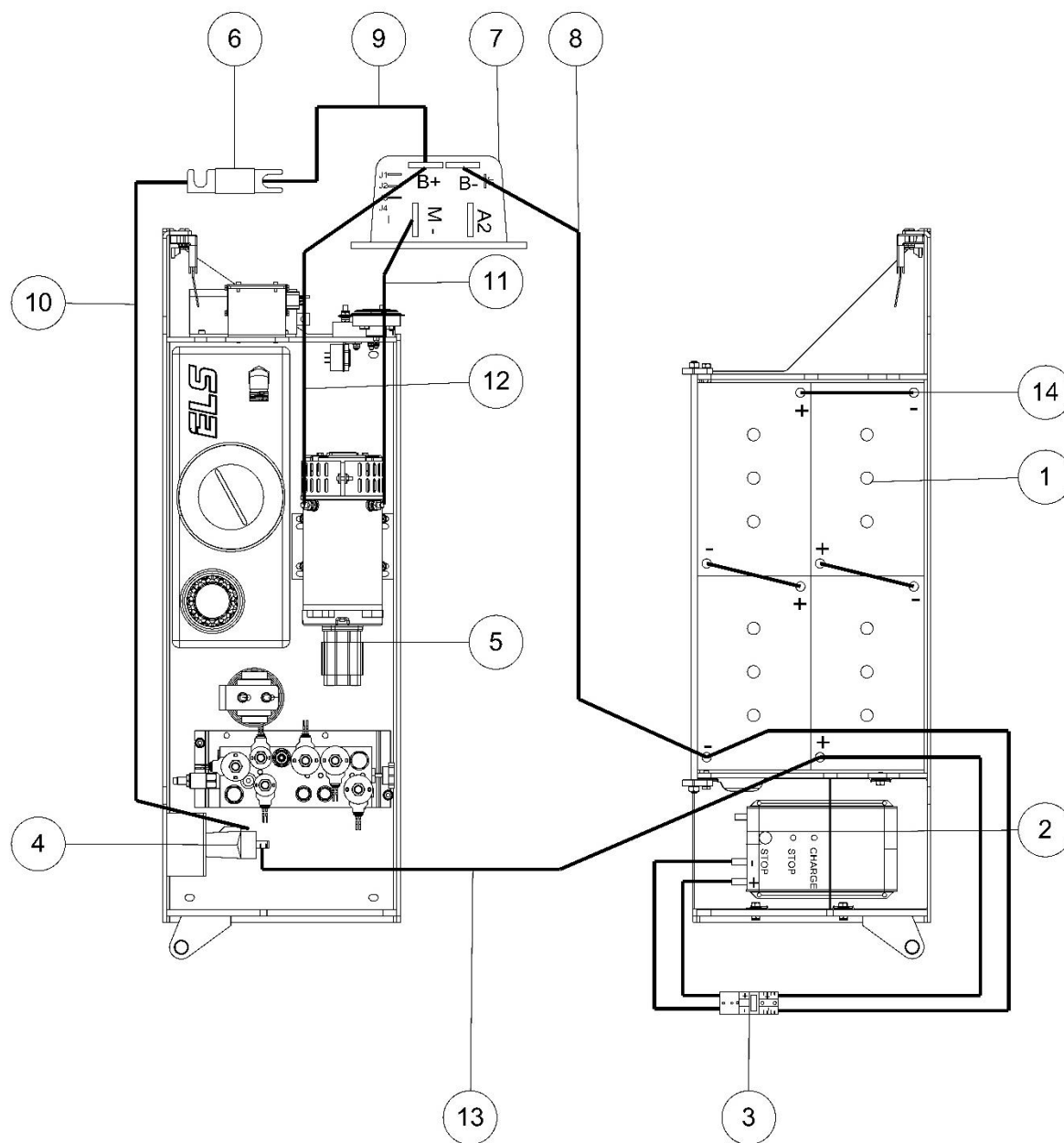
25	1	Horn	E01020001AA
26	2	Pot hole switch	E00820003AA
27	1	Limit switch	E00820003AA
28	1	Tilt sensor	E04302001AA
29	1	Flasher	E00520001AA
30	1	Platform control unit	E04120003AA

EL 10 Electrical Wiring Diagram

Item	Qty.	Description	Part No.
1	1	Cable assembly for chassis	E01211601AA
2	1	Cable assembly, scissors to platform control unit	E01211602AA
3	1	Cable assembly, chassis to scissors group	E01211603AA
4	1	Cable assembly, battery neg to motor controller B-	E01211605AA
5	1	Cable assembly, fuse to motor controller B+	E01211610AA
6	1	Cable assembly, contactor to fuse	E01211606AA
7	1	Cable assembly, power pack neg to motor controller M-	E01211608AA
8	1	Cable assembly, power pack pos to motor controller B+	E01211607AA
9	1	Cable assembly, battery pos to contactor	E01211604AA
10	1	Pressure sensor	E04303002AA
11	1	Angle sensor	E04301001AA
12	1	Cylinder manifold	H00600004AA
13	1	Hydraulic manifold	H00600001AA
14	1	Ground control panel assembly	-
15	1	24V 30A Battery charger	E00324001AA
16	1	Contactor	E00400001AA
17	1	Fuse	E01100002AA
18	4	6V 315A Batteries	E00212002AA
19	1	Hydraulic power pack	H00100001AA
20	1	Electronic control unit	E04110001AA
21	1	Motor controller	E04000001AA
22	1	Buzzer	E01600002AA
23	1	Relay	E01700001AA
24	1	Horn	E01020001AA

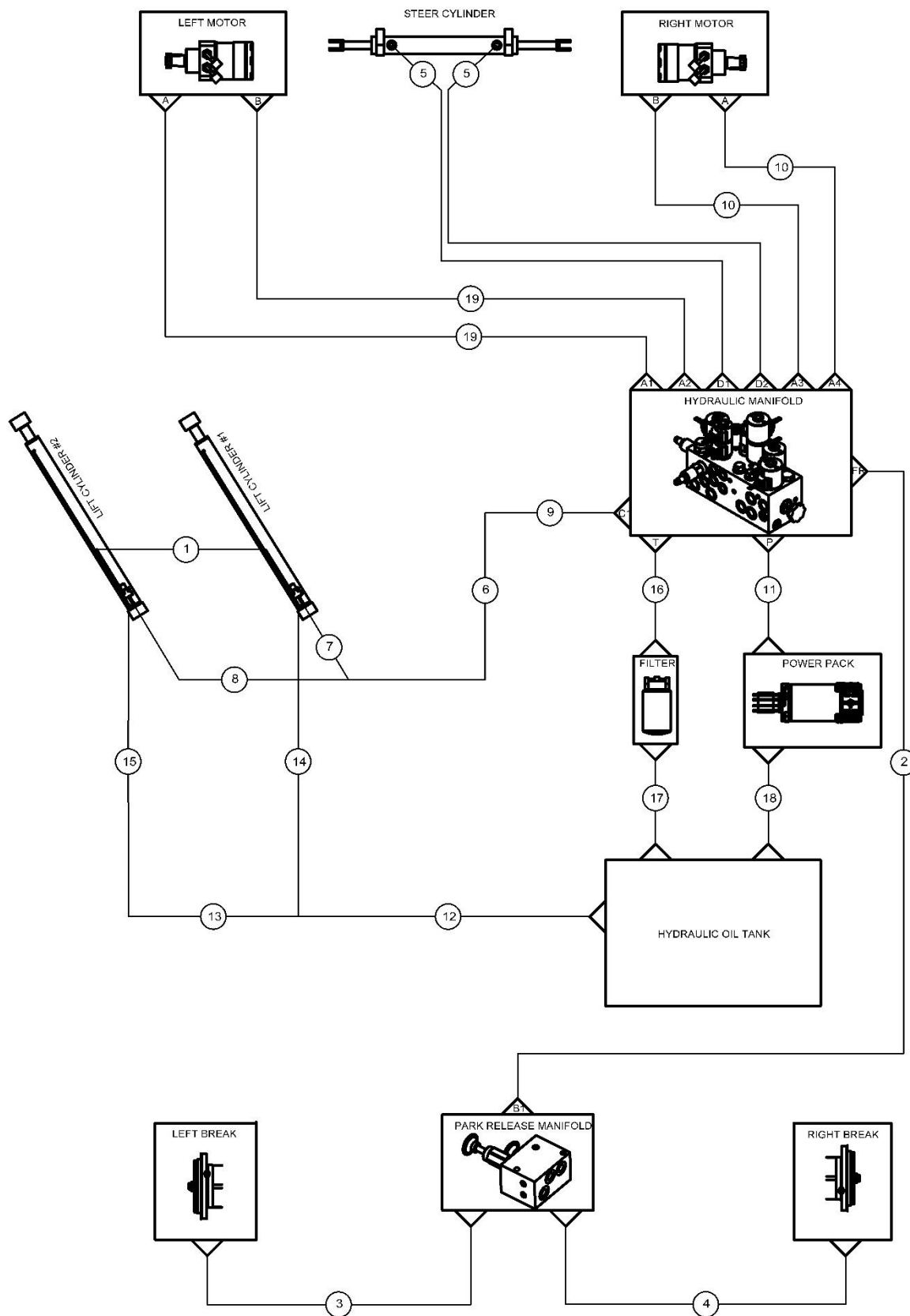
25	2	Pot hole switch	E00820003AA
26	1	Limit switch	E00820003AA
27	1	Tilt sensor	E04302001AA
28	1	Flasher	E00520001AA
29	1	Platform control unit	E04120003AA

POWER CABLE DIAGRAM

EL 14 EL 12 EL 10 Power Cable Diagram

Item	Qty.	Description	Part No.
1	4	6V 315A Batteries	E00212002AA
2	1	24V 30A Battery charger	E00324001AA
3	1	Battery charger connector	E02100001AA
4	1	Main Switch	E00400001AA
5	1	Hydraulic power pack	H00100001AA
6	1	Fuse	E01100002AA
7	1	Motor controller	E04000001AA
8	1	Cable assembly, battery neg to motor controller B-	E01211605AA
9	1	Cable assembly, fuse to motor controller B+	E01211610AA
10	1	Cable assembly, contactor to fuse	E01211606AA
11	1	Cable assembly, power pack neg to motor controller M-	E01211608AA
12	1	Cable assembly, power pack pos to motor controller B+	E01211607AA
13	1	Cable assembly, battery pos to contactor	E01211604AA
14	3	Cable assembly, battery pos to battery neg	E01211609AA

HYDRAULIC CIRCUIT DIAGRAM

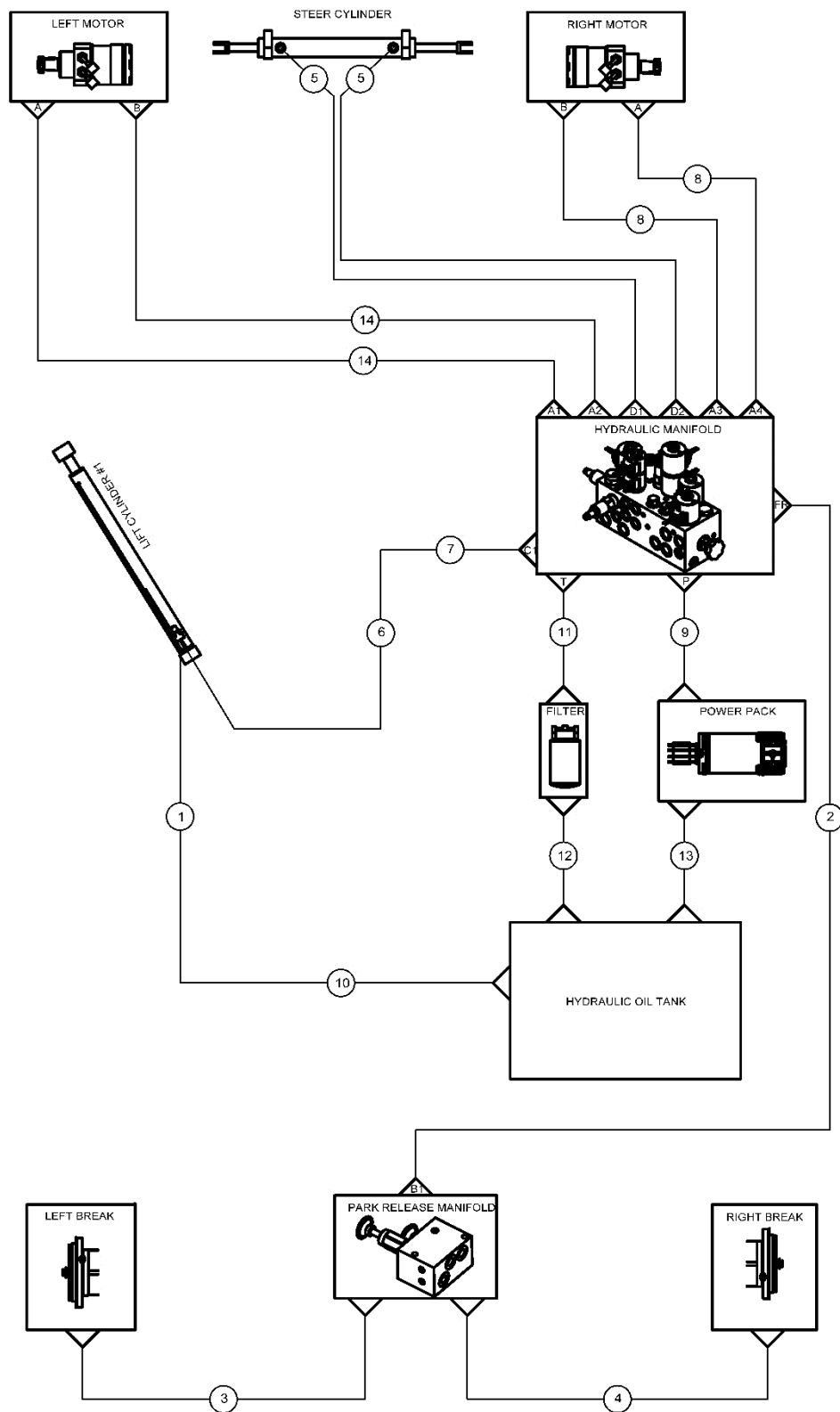
EL 14 EL 12 Hydraulic Circuit Diagram

EL 14 Hydraulic Circuit List

Item	Qty.	Description	Part No.
1	1	Hose assembly, between cylinders	H02104001AA
2	1	Hose assembly, manifold to park release manifold	H02104002AA
3	1	Hose assembly, park release manifold to left break	H02104003AA
4	1	Hose assembly, park release manifold to right break	H02104004AA
5	2	Hose assembly, manifold to steer cylinder	H02104005AA
6	1	Hose assembly, manifold to cylinders	H02106001AA
7	1	Hose assembly, manifold to lift cylinder 1	H02106002AA
8	1	Hose assembly, manifold to lift cylinder 2	H02106003AA
9	1	Hose assembly, manifold to cylinders	H02106004AA
10	2	Hose assembly, manifold to right motor	H02106005AA
11	1	Hose assembly, manifold to power pack	H02106006AA
12	1	Hose assembly, oil tank to cylinders	H02106007AA
13	1	Hose assembly, oil tank to cylinders	H02106008AA
14	1	Hose assembly, oil tank to lift cylinder 1	H02106009AA
15	1	Hose assembly, oil tank to lift cylinder 2	H02106010AA
16	1	Hose assembly, manifold to filter	H02106011AA
17	1	Hose assembly, filter to oil tank	H02109001AA
18	1	Hose assembly, power pack to oil tank	H02109002AA
19	2	Hose assembly, manifold to left motor	H02106012AA

EL 12 Hydraulic Circuit List

Item	Qty.	Description	Part No.
1	1	Hose assembly, between cylinders	H02104006AA
2	1	Hose assembly, manifold to park release manifold	H02104002AA
3	1	Hose assembly, park release manifold to left break	H02104003AA
4	1	Hose assembly, park release manifold to right break	H02104004AA
5	2	Hose assembly, manifold to steer cylinder	H02104005AA
6	1	Hose assembly, manifold to cylinders	H02106001AA
7	1	Hose assembly, manifold to lift cylinder 1	H02106002AA
8	1	Hose assembly, manifold to lift cylinder 2	H02106013AA
9	1	Hose assembly, manifold to cylinders	H02106004AA
10	2	Hose assembly, manifold to right motor	H02106005AA
11	1	Hose assembly, manifold to power pack	H02106006AA
12	1	Hose assembly, oil tank to cylinders	H02106007AA
13	1	Hose assembly, oil tank to cylinders	H02106008AA
14	1	Hose assembly, oil tank to lift cylinder 1	H02106009AA
15	1	Hose assembly, oil tank to lift cylinder 2	H02106014AA
16	1	Hose assembly, manifold to filter	H02106011AA
17	1	Hose assembly, filter to oil tank	H02109001AA
18	1	Hose assembly, power pack to oil tank	H02109002AA
19	2	Hose assembly, manifold to left motor	H02106015AA

EL 10 Hydraulic Circuit Diagram

EL 10 Hydraulic Circuit List

Item	Qty.	Description	Part No.
1	1	Hose assembly, oil tank to lift cylinder	H02106016AA
2	1	Hose assembly, manifold to park release manifold	H02104002AA
3	1	Hose assembly, park release manifold to left break	H02104003AA
4	1	Hose assembly, park release manifold to right break	H02104004AA
5	2	Hose assembly, manifold to steer cylinder	H02104005AA
6	1	Hose assembly, manifold to lift cylinder	H02106017AA
7	1	Hose assembly, manifold to lift cylinder	H02106004AA
8	2	Hose assembly, manifold to right motor	H02106005AA
9	1	Hose assembly, manifold to power pack	H02106006AA
10	1	Hose assembly, oil tank to lift cylinder	H02106018AA
11	1	Hose assembly, manifold to filter	H02106011AA
12	1	Hose assembly, filter to oil tank	H02109001AA
13	1	Hose assembly, power pack to oil tank	H02109002AA
14	2	Hose assembly, manifold to left motor	H02106015AA