

TZPJ1012HD Scissor Lift Aerial Working Platform Parts Manual

Model: TZPJ1012HD Scissor Lift Aerial Work Platform

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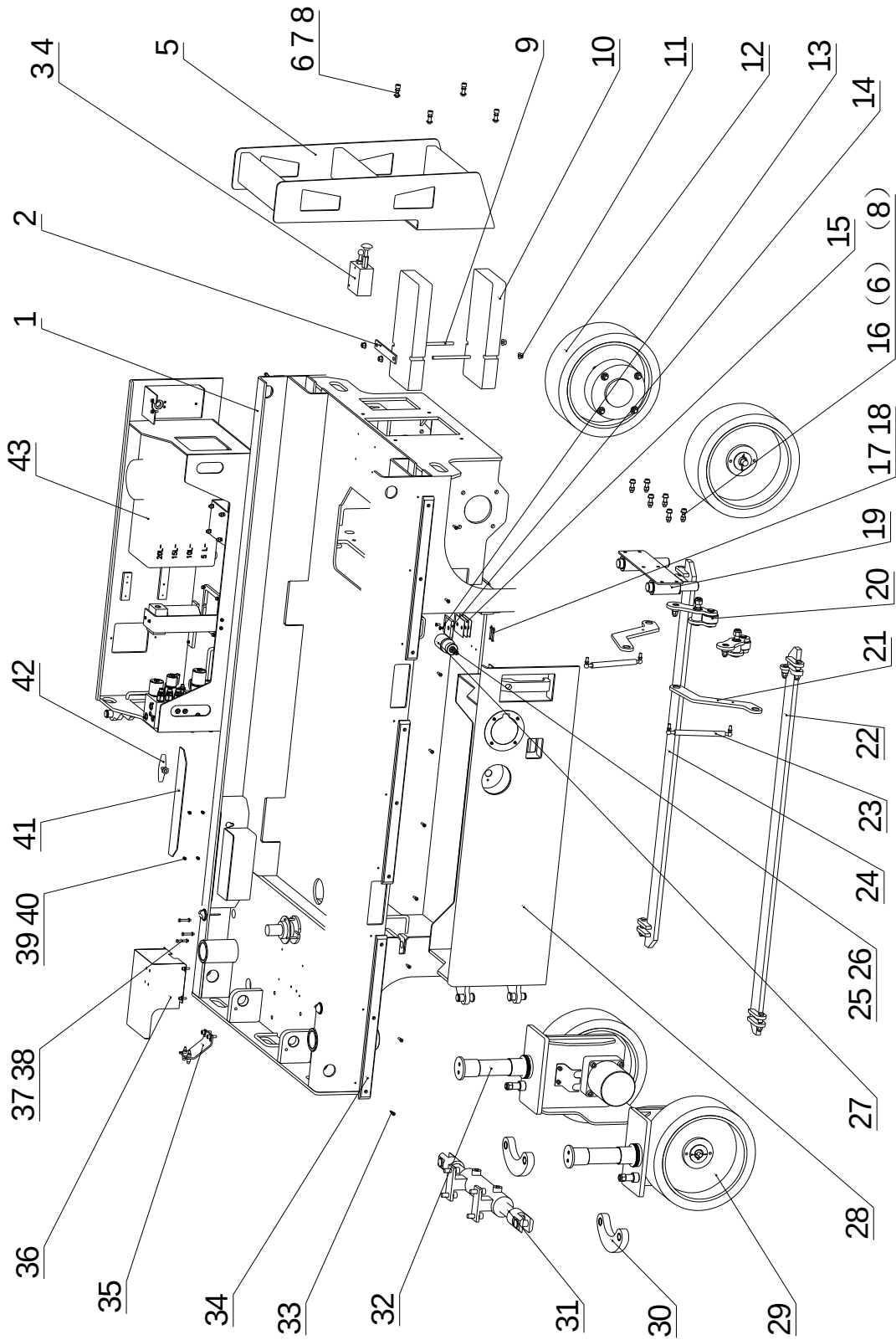
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1. Chassis

Chassis Components

(80890415)

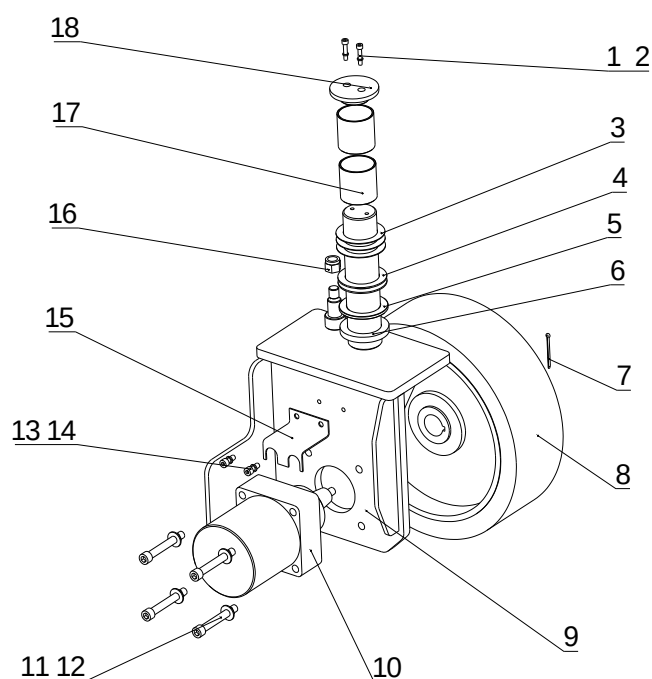


Chassis Components (80890415)			
No.	Part No.	Description	Qty.
1	80890456	Main Chassis	1
2	81110223	Counterweight Bolt Installation Plate	1
3	80789111	Hand Pump	1
4	80654957	Hand Pump Installation Hexagon Head Bolt	2
5	81120565	Ladder	1
6	80374487	Nut GB/T70.1-M10X35	12
7	80184769	Washer GB/T93-10	6
8	80364186	Washer GB/T97.1-10	12
9	80730499	Stud GB/953-M10X140	2
10	80793834	Plate 50X175X390	2
11	80624919	Screw GB/T6187.1-M10	4
12	80890463	Rear Wheel Brake Components	2
13	80795088	Nut GB/T68-M6X14	4
14	80806610	Nylon Plate	2
15	80806611	Nylon Plate Installation Adjustable Pad	6
16	80375948	Screw GB/T889.1-M10	6

Chassis Components (80890415)			
No.	Part No.	Description	Qty.
17	80795033	Bolt M4X45	4
18	80370176	Washer GB/T97.1-4	4
19	80890434	Pothole Vertical Shaft Sleeve Components	1
20	80890409	Rocker Arm Components	2
21	80793944	Pothole Rocker Arm	2
22	80890421	Left Pothole Protection Parts	1
23	80514954	Gas Spring 300N300mm	2
24	80890436	Right Pothole Protection Parts	1
25	80368047	Nut GB/T70.1-M8X20	2
26	80307520	Washer GB/T97.1-8	2
27	80794992	Cushion Wheel	2
28	80890458	Model T105 Battery Box	1
29	80890422	Left Front Wheel Components	1
30	80890355	Steering Rocker Arm	2
31	80793947	Steering Cylinder Installation Components	1
32	80890437	Right Front Wheel Components	1

Chassis Components (80890415)			
No.	Part No.	Description	Qty.
33	80184694	Nut GB/T70.1-M6X20	18
34	80890303	Bumper Strip	6
35	80793964	Proximity Switch Components	1
36	80890453	Protection Cover	1
37	80660329	Bolt GB/T5783-M6X40	3
38	80307518	Washer GB/T97.1-6	3
39	80374486	Nut GB/T70.1-M4X10	4
40	80184775	Washer GB/T93-4	4
41	80793978	PVC Oxford Mat	1
42	81120731	10m Emergency Wire	1
43	80890391	Pump Station Box	1

(80890437)

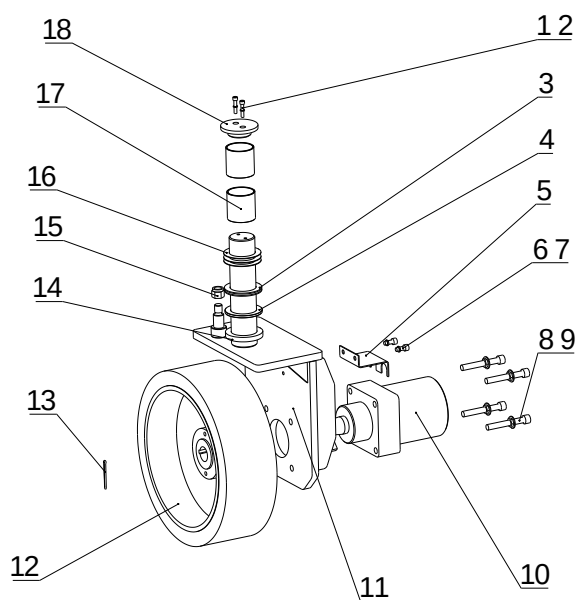


Right Front Wheel Components (80890437)			
No.	Part No.	Description	Qty.
1	80482440	Nut GB/T70.1-M6X30	2
2	80184780	Washer GB/T93-6	2
3	80793956	Round Steel	3
4	80795038	Adjustable Pad	2
5	80794994	Copper Pad	1
6	80793977	Weldment Protection Pad	1

Right Front Wheel Components (80890437)			
No.	Part No.	Description	Qty.
7	80730484	Pin GB/T91-4X56	1
8	80789888	Tire TZPJ1012H-202303-5040A	1
9	80793950	Right Front Wheel Weldment	1
10	80789119	375 Motor TZPJ1012H-202303-0970A	1
11	80890267	Nut GB/T70.1-M12X90	4
12	80661529	Screw GB/T6177.1-M12	4
13	80368047	Nut M8X20	2
14	80184778	Washer GB/T93-8	2
15	80929066	Elbow Fixing Plate	1
16	80320437	Screw GB/T889.1-M16	1
17	80890814	Composite Sleeve	2
18	80793946	Shaft Cap	1

Left Front Wheel Components

(80890422)

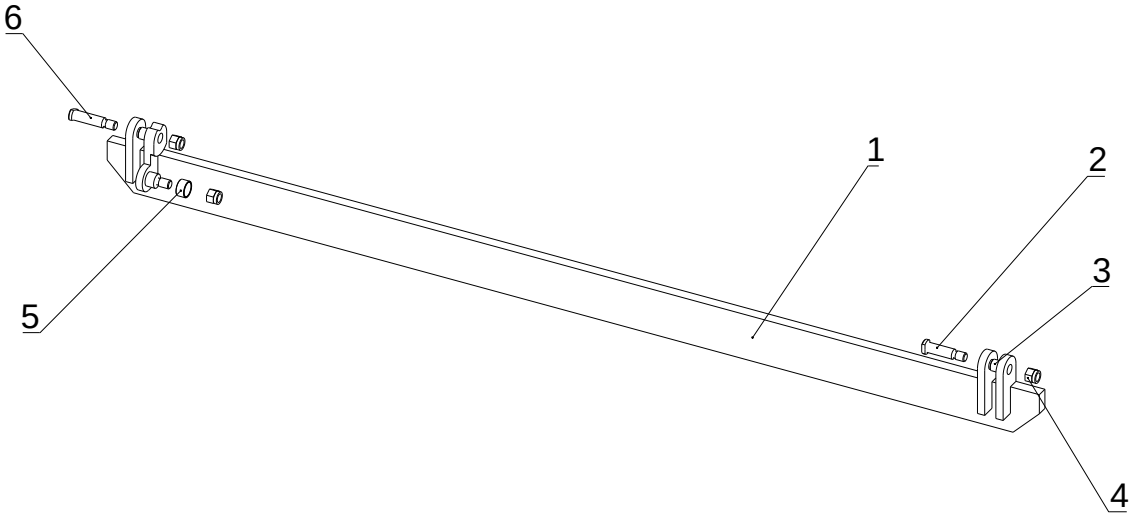


Left Front Wheel Components (80890422)			
No.	Part No.	Description	Qty.
1	80482440	Nut GB/T70.1-M6X30	2
2	80184780	Washer GB/T93-6	2
3	80795038	Adjustable Pad	2
4	80794994	Copper Pad	1
5	80929066	Elbow Fixing Plate	1
6	80368047	Nut M8X20	2
7	80184778	Washer GB/T93-8	2

Left Front Wheel Components (80890422)			
No.	Part No.	Description	Qty.
8	80890267	Nut GB/T70.1-M12X90	4
9	80661529	Screw GB/T6177.1-M12	4
10	80789119	375 Motor TZPJ1012H-202303-0970A	1
11	80793961	Left Front Wheel Weldment	1
12	80789119	TireTZPJ1012H-202303-5040A	1
13	80730484	Pin GN/T91-4X56	1
14	80793977	Weldment Protection Pad	1
15	80320437	Screw GB/T889.1-M16	1
16	80793956	Round Steel	3
17	80890814	Composite Sleeve	2
18	80793946	Shaft Cap	1

Left Pothole Protection Parts

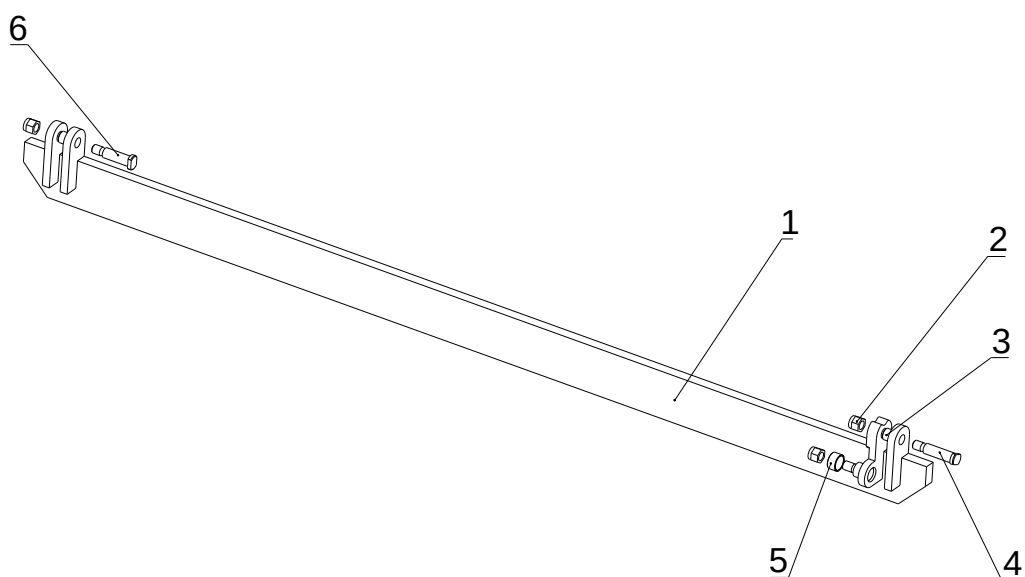
(80890421)



Left Pothole Protection Parts (80890421)			
No.	Part No.	Description	Qty.
1	80890435	Pothole Plate	1
2	80793967	Rocker Pin 2	1
3	80890815	Composite Sleeve 1	2
4	80908787	Hexagonal Flange Face Locking Screw GB/T6183.1-M12	3
5	80890816	Composite Sleeve 2	1
6	80793935	Rocker Pin 1	1

Right Pothole Protection Parts

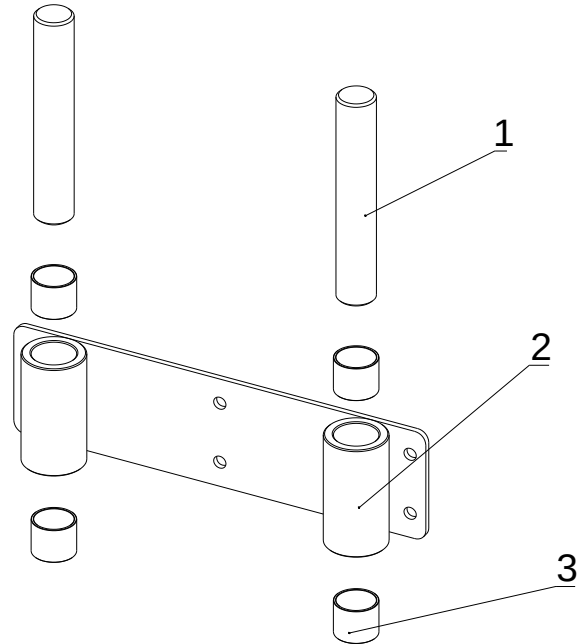
(80890436)



Right Pothole Protection Parts (80890436)			
No.	Part No.	Description	Qty.
1	80890438	Right Pothole Protection Plate	1
2	80908787	Hexagonal Flange Face Locking Screw GB/T6183.1-M12	3
3	80890815	Composite Sleeve 1	2
4	80793935	Rocker Pin 1	1
5	80890816	Composite Sleeve 2	1
6	80793967	Rocker Pin 2	1

Pothole Vertical Shaft Sleeve Components

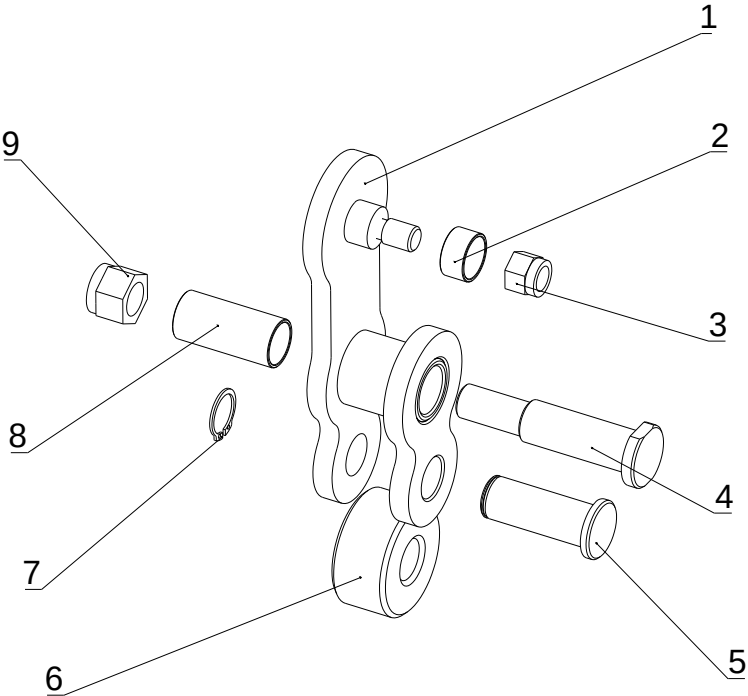
(80890434)



Pothole Vertical Shaft Sleeve Components (80890434)			
No.	Part No.	Description	Qty.
1	80793938	Pothole Pushing Shaft	2
2	80793937	Shaft Housing Bracket	1
3	80890817	Composite Sleeve	4

Rocker Arm Components

(80890409)

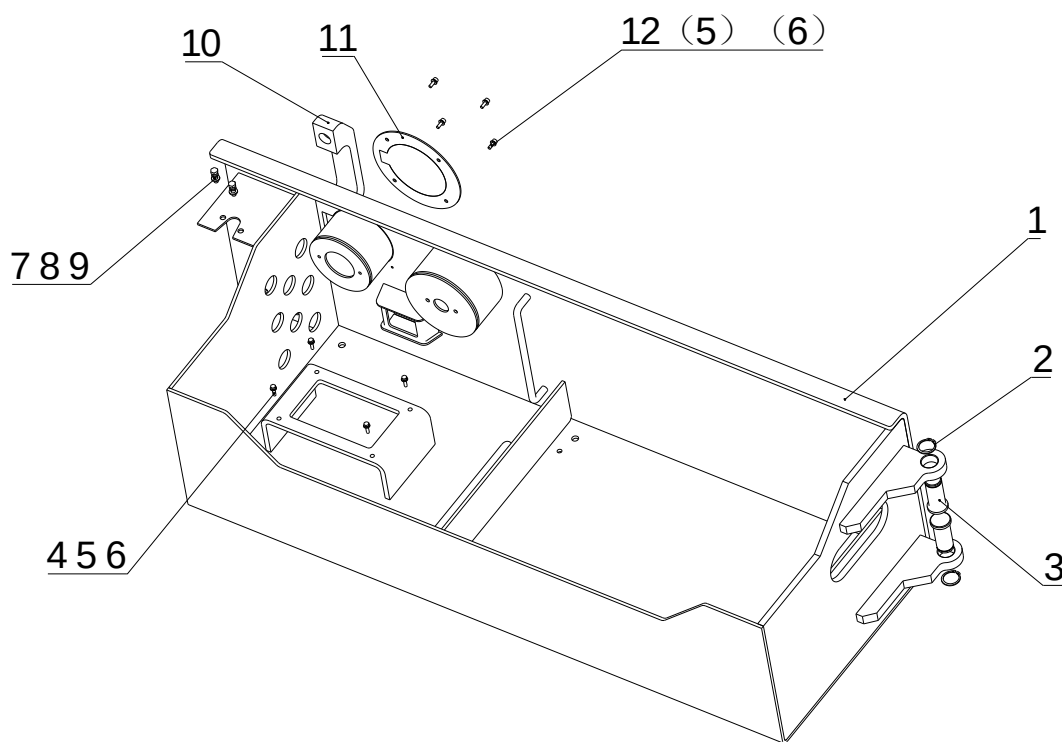


Rocker Arm Components (80890409)			
No.	Part No.	Description	Qty.
1	80793969	Rocker Arm Weldment	1
2	80890816	Composite Sleeve 2	1
3	80908787	Hexagonal Flange Face Locking Screw GB/T6183.1-M12	1
4	80793970	Rocker Arm Pin	1
5	80793939	Rocker Arm Ring Pin	1
6	80794993	Wheel	1

Rocker Arm Components (80890409)			
No.	Part No.	Description	Qty.
7	80730479	Ring GB/T894-20	1
8	80890818	Composite Sleeve 1	1
9	80320437	Screw GB/T889.1-M16	1

Battery Box Components

(80890458)

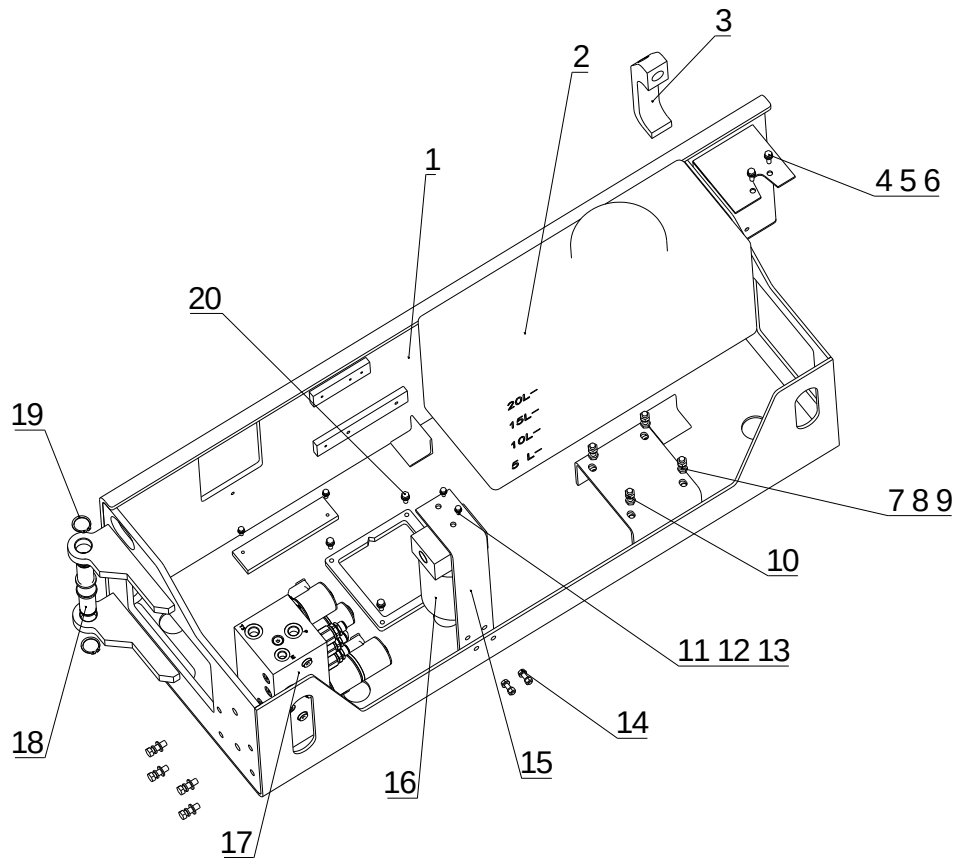


Battery Box Components (80890458)			
No.	Part No.	Description	Qty.
1	80890386	Battery Box Weldment Parts	1
2	80730481	Ring GB/T894-24	2
3	80793975	Box Pin Shaft	2
4	80371734	Bolt GB/T5783-M4X16	4
5	80184775	Washer GB/T93-4	8

Battery Box Components (80890458)			
No.	Part No.	Description	Qty.
6	80370176	Washer GB/T97.1-4	8
7	80252570	Bolt GB/T5783-M6X20	2
8	80184780	Washer GB/T93-6	2
9	80307518	Washer GB/T97.1-6	2
10	80730121	Locker	1
11	80731121	Charging Port Protection Cover	1
12	80038950	Nut M4X12	4

Pump Station Box Components

(80890391)

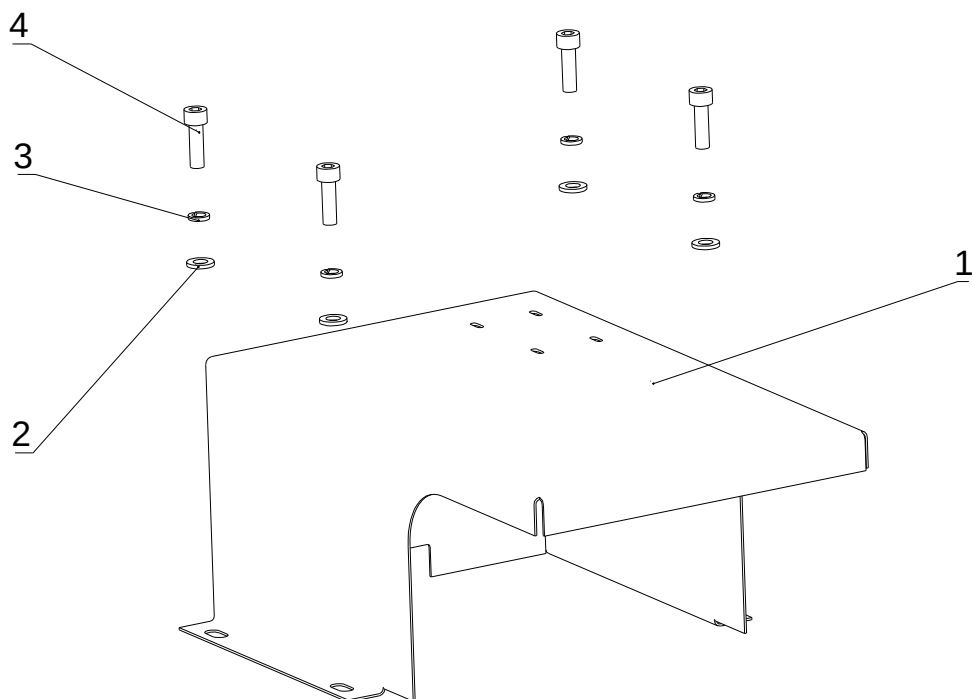


Pump Station Box Components (80890391)			
No.	Part No.	Description	Qty.
1	80890390	Pump Station Box Weldment Components	1
2	80789106	TZPJ0612H-202303-0810A-20L Hydraulic Oil Box	1
3	80731022	Locker	1
4	80252570	Bolt GB/T5783-M6X20	4
5	80184780	Washer GB/T93-6	8

Pump Station Box Components (80890391)			
No.	Part No.	Description	Qty.
6	80307158	Washer GB/T97.1-6	8
7	80368033	Bolt GB/T5783-M8X25	8
8	80184778	Washer GB/T93-8	8
9	80307520	Washer GB/T97.1-8	8
10	80320219	Screw GB/T6170-M8	4
11	80368081	Bolt GB/T5783-M5X12	4
12	80184776	Washer GB/T93-5	4
13	80370178	Washer GB/T97.1-5	4
14	80320226	Screw GB/T6170-M6	2
15	80793886	Plate	1
16	80916403	SP-06X10-G3-4 Return Filter	1
17	80767409	TZ-JC-2018025-001-58 Main Valve	1
18	80793975	Box Pin Shaft	2
19	80730481	Ring GB/T894-24	2
20	80252569	Bolt GB/T5783-M6X16	4

Protection Cover Components

(80890453)

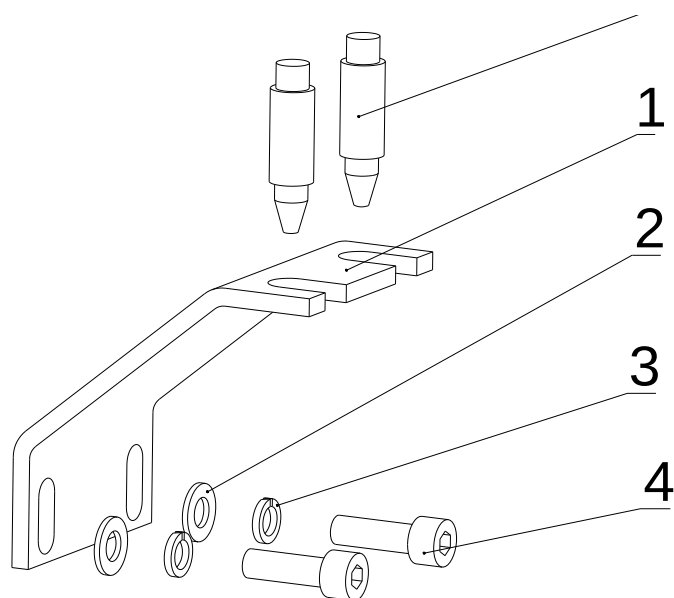


Protection Cover Components (80890453)			
No.	Part No.	Description	Qty.
1	80890322	Protection Cover	1
2	80307518	Washer GB/T97.1-6	4
3	80184780	Washer GB/T93-6	4
4	80184694	Nut GB/T70.1-M6X20	4

Proximity Switch Components

(80793964)

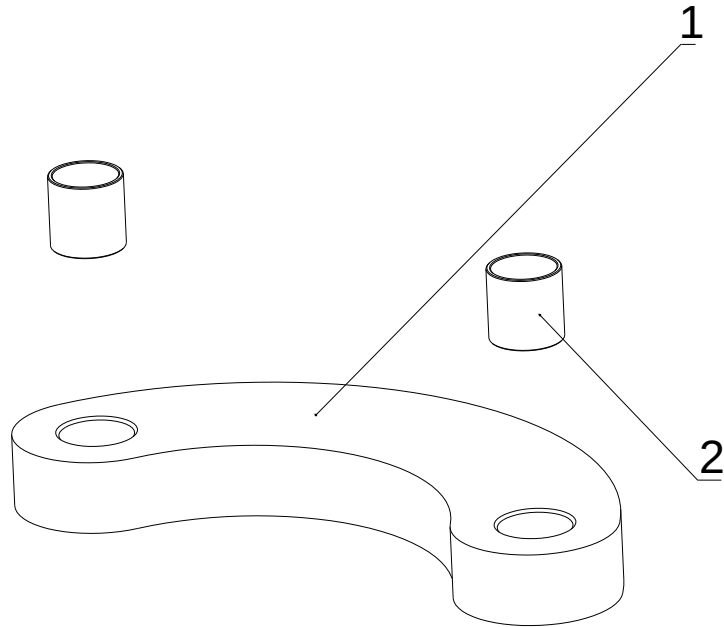
Proximity Switch



Proximity Switch Components (80793964)			
No.	Part No.	Description	Qty.
1	80793856	Plate	1
2	80307520	Washer GB/T97.1-8	2
3	80184778	Washer GB/T93-8	2
4	80184695	Nut GB/T70.1-M8X25	2

Steering Rocker Arm Components

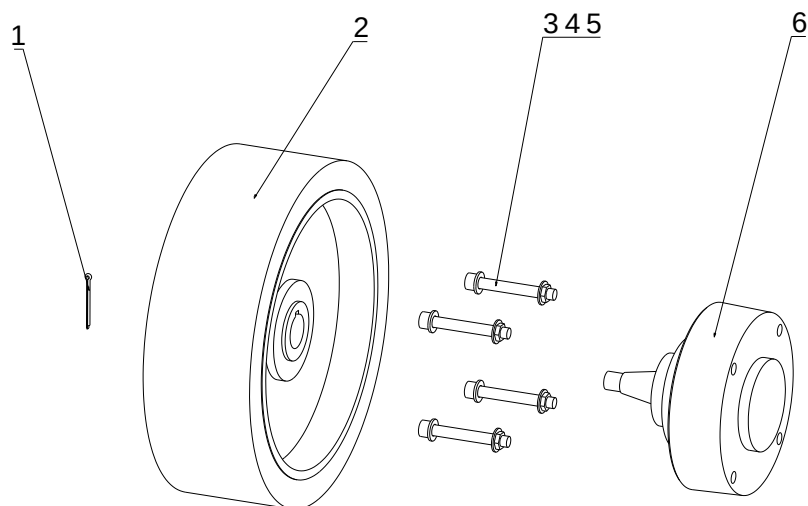
(80890355)



Steering Rocker Arm Components (80890355)			
No.	Part No.	Description	Qty.
1	80793976	Steering Rocker Arm Plate	1
2	80890819	Composite Sleeve	2

Rear Wheel Brake Components

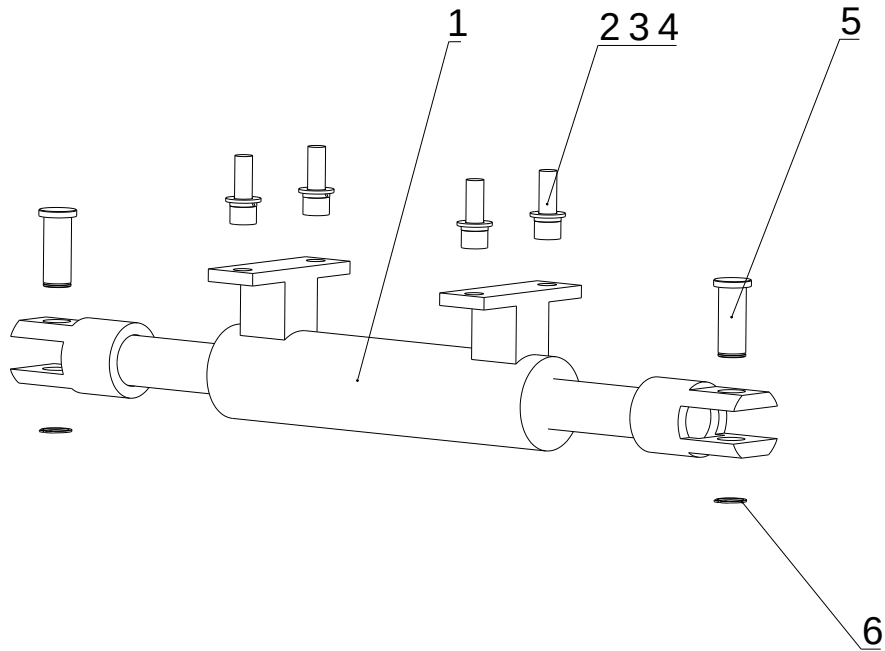
(80890463)



Rear Wheel Brake Components (80890463)			
No.	Part No.	Description	Qty.
1	80730484	Pin GB/T91-4X56	1
2	80789888	TireTZPJ1012H-202303-5040A	1
3	80890267	Nut GB/T70.1-M12X90	4
4	80364185	Washer GB/T97.1-12	4
5	80661529	Screw GB/T6177.1-M12	4
6	80789113	BrakeTZPJ0612H-202303-0970A	1

Steering Cylinder Installation Components

(80793947)

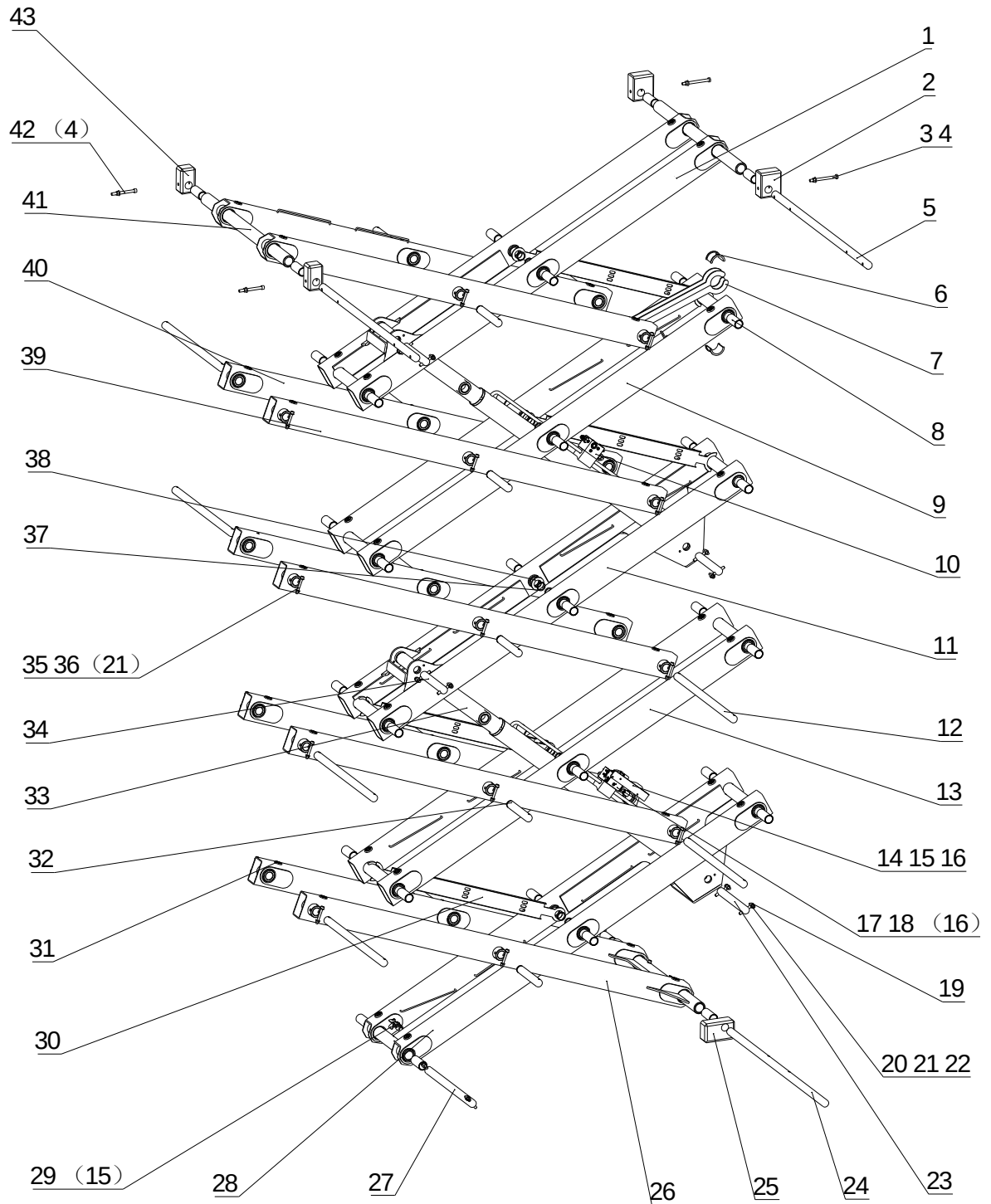


Steering Cylinder Installation Components (80793947)			
No.	Part No.	Description	Qty.
1	80789105	Steering Cylinder TZPJ-202303-2510A-02	1
2	80730463	Nut GB/T70.1-M14X40	4
3	80374700	Washer GB/T93-14	4
4	80376264	Washer GB/T97.1-14	4
5	80793971	Cylinder Pin	2
6	80730480	Ring GB/T894-22	2

2. Scissor Components

Scissor Components

(80890447)



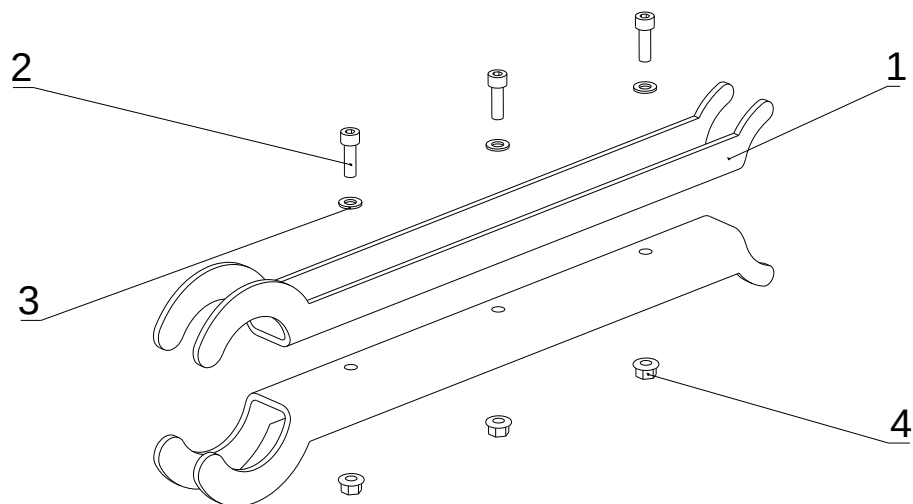
Scissor Components (80890447)			
No.	Part No.	Description	Qty.
1	80793668	Inside Scissor Components 4	1
2	81104700	Upper Sliding Block 1	2
3	80315833	Bolt TZB804-M12X140-8.8	2
4	80908787	Hexagonal Flange Face Locking Screw GB/T6183.1-M12-8	4
5	80890419	Platform Bottom Pin Shaft	2
6	80794999	Maintenance Support Sleeve	2
7	80793759	Maintenance Support Rod	1
8	80795098	Self-lubricating Sleeve	34
9	80793666	InsideScissorComponents2	1
10	80902839	Upper Lift Cylinder Control Valve TZPJ-F-SJS-20-001A	1
11	80793667	InsideScissorComponents3	1
12	80890440	Scissor Pin Shaft 4	8
13	80793665	Inside Scissor Components 2	1
14	80929060	Emergency Wire Plate	1
15	80375860	Nut GB/T70.1-M6X12-8.8	6
16	80184780	Washer GB/T93-6-65Mn	6

Scissor Components (80890447)			
No.	Part No.	Description	Qty.
17	80902834	Lower Lift Cylinder Control Valve TZPJ-F-XJS-20-001A	1
18	80515776	Nut GB/T70.1-M6X65-8.8	4
19	80890063	Articulated Pin	10
20	80374487	Nut GB/T70.1-M10X35-8.8	10
21	80364186	Washer GB/T97.1-10-200HV	36
22	80184769	Washer GB/T93-10-65Mn	10
23	80890395	Cylinder Pin Shaft 1	1
24	80890445	Scissor Pin Shaft 1	1
25	80890820	Lower Sliding Block	2
26	80793692	Outside Scissor Components 1	1
27	80890444	Scissor Pin Shaft 2	1
28	80890450	Inside Scissor Components 1	1
29	80890410	Proximity Switch Detection Plate	2
30	80793772	Bundling Rack	4
31	80890811	Cushion Pad	40
32	80890441	Scissor Pin Shaft 3	10

Scissor Components (80890447)			
No.	Part No.	Description	Qty.
33	80902837	Lift Cylinder TZPJ-YG-JS-80/55-001A	2
34	80890392	Cylinder Pin Shaft 2	3
35	80485348	Nut GB/T70.1-M10X80-8.8	28
36	80908788	Hexagonal Flange Face Locking Screw GB/T6183.1-M10-8	28
37	80741834	Ring GB/T894-38-65Mn	10
38	80730496	Washer GB/T95-36-100HV	6
39	80793693	Outside Scissor Components 2	3
40	80793694	Outside Scissor Components 3	3
41	80793695	Outside Scissor Components 4	1
42	80375854	Nut GB/T70.1-M12X120-8.8	2
43	80890821	Upper Sliding Block 2	2

Maintenance Support Rod

(80793759)

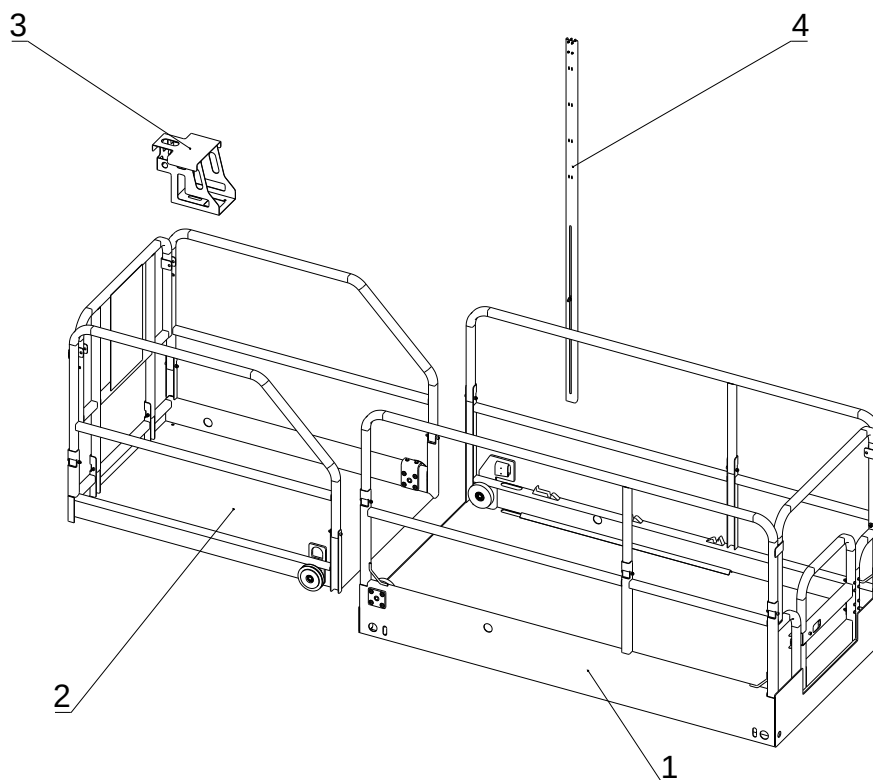


Maintenance Support (80793759)			
No.	Part No.	Description	Qty.
1	80793773	Plate	2
2	80184695	Nut GB/T70.1-M8X25-8.8	3
3	80307520	Washer GB/T97.1-8-200HV	3
4	80730464	Screw GB/T6187.1-M8-8	3

3. Platform Components

Platform Components

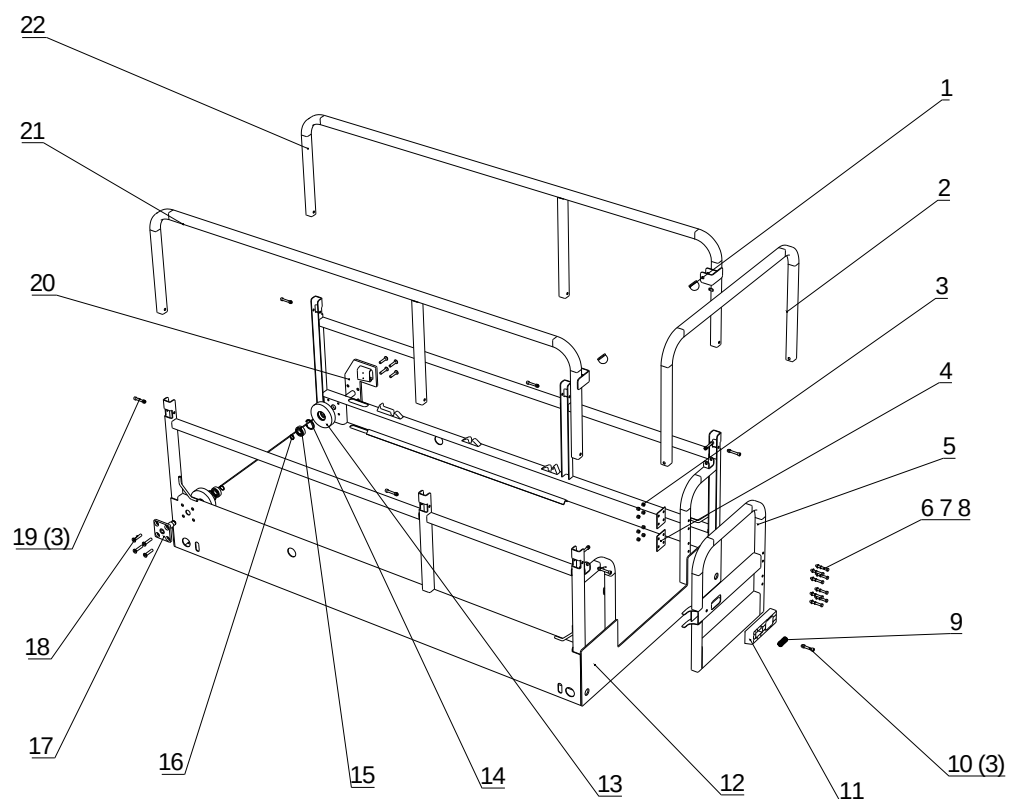
(80890418)



Platform Components (80890418)			
No.	Part No.	Description	Qty.
1	80890432	Fixed Platform	1
2	80890424	Extended Platform	1
3	80793659	Upper Control Box Rack	1
4	81120946	Anti-bumping Rod Parts	1

Fixed Platform

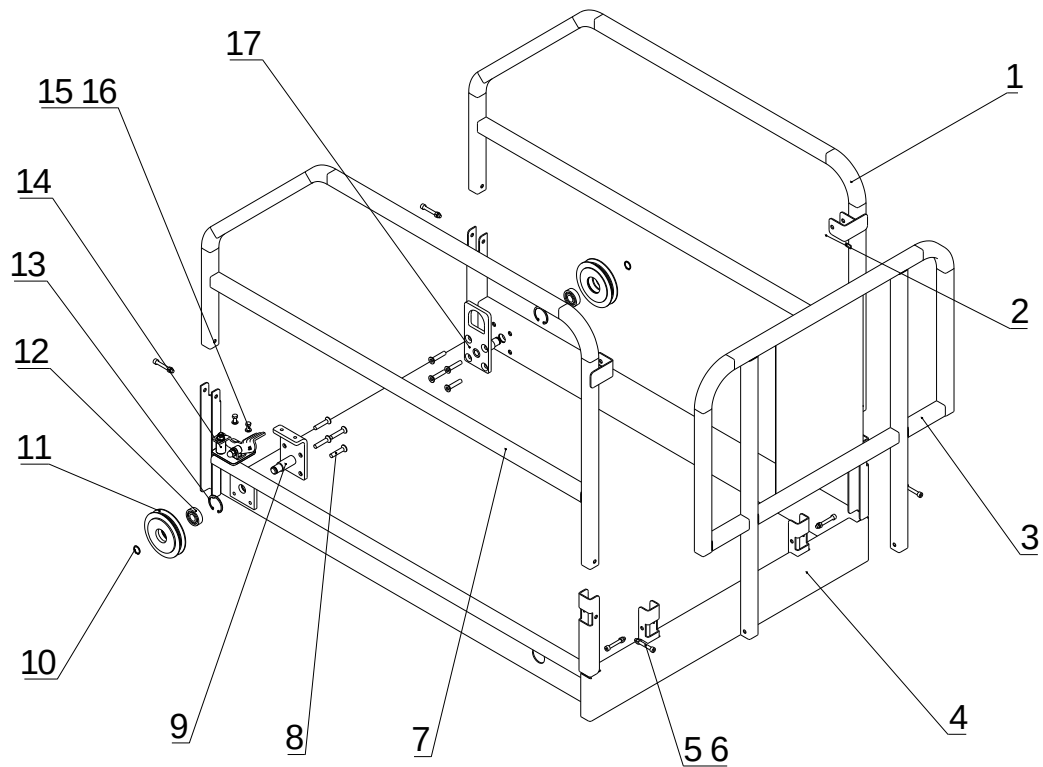
(80890432)



Fixed Platform (80890432)			
No.	Part No.	Description	Qty.
1	80655195	Model D Pin with Anti-lost Rope 10X55	2
2	80793729	Square Tube	1
3	80320439	Screw GB/T889.1-M8-8	17
4	80510787	Spring Hinge 8601-80	2
5	80890304	Door	1
6	80660528	Bolt GB/T5783-M8X55-8.8	8

Fixed Platform (80890432)			
No.	Part No.	Description	Qty.
7	80307520	Washer GB/T97.1-8-200HV	8
8	80184778	Washer GB/T93-8-65Mn	8
9	80795032	Spring	1
10	80465862	Nut GB/T70.1-M8X50-8.8	1
11	80795000	Door Lock	1
12	80890433	Main Fixed Platform	1
13	80794990	Pulley 2	2
14	80191379	Rolling Bearing GB/T276-6204-2Z	2
15	80730483	Ring GB/T893-47-65Mn	2
16	80730479	Ring GB/T894-20-65Mn	2
17	80793763	Wheel Carrier 1	1
18	80700264	Nut GB/T70.3-M10X50-8.8	8
19	80610383	Nut GB/T70.1-M8X55-8.8	8
20	80890356	Wheel Carrier 2	1
21	80890430	Fixed Platform Left Guardrail	1
22	80890431	Fixed Platform Right Guardrail	1

Extended Platform (80890424)

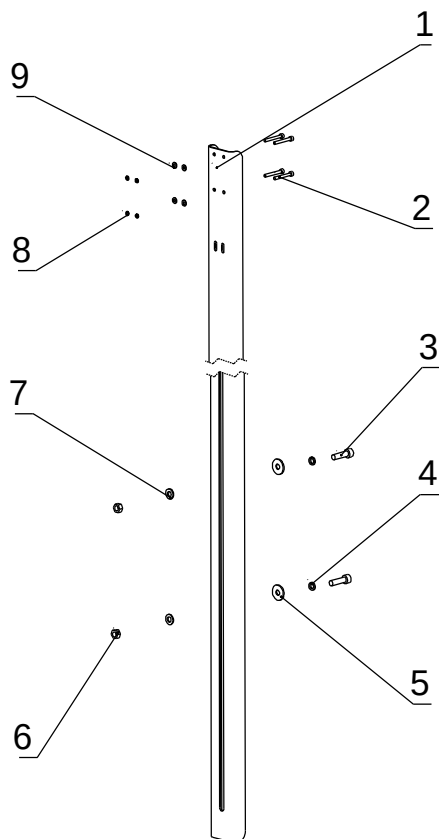


Extended Platform (80890424)			
No.	Part No.	Description	Qty.
1	80890426	Extended Right Guardrail	1
2	80655195	Model D Pin with Anti-lost Rope 10X55	2
3	80793672	Front Guardrail	1
4	80890427	Main Extended Platform	1
5	80317790	Nut GB/T70.1-M8X60-8.8	6

Extended Platform (80890424)			
No.	Part No.	Description	Qty.
6	80320439	Screw GB/T889.1-M8-8	6
7	80890425	Extended Left Guardrail	1
8	80700264	Nut GB/T70.3-M10X50-8.8	8
9	80793760	Foot Support	1
10	80730479	Ring GB/T894-20-65Mn	2
11	80794995	Pulley 1	2
12	80191379	Rolling Bearing GB/T276-6204-2Z	2
13	80730483	Ring GB/T893-47-65Mn	2
14	80591123	Platform Extension Lock	1
15	80327395	Bolt GB/T5783-M8X16-8.8	2
16	80307520	Washer GB/T97.1-8-200HV	2
17	80793704	Extended Platform Wheel Carrier	1

Anti-bumping Rod Parts

(81120946)



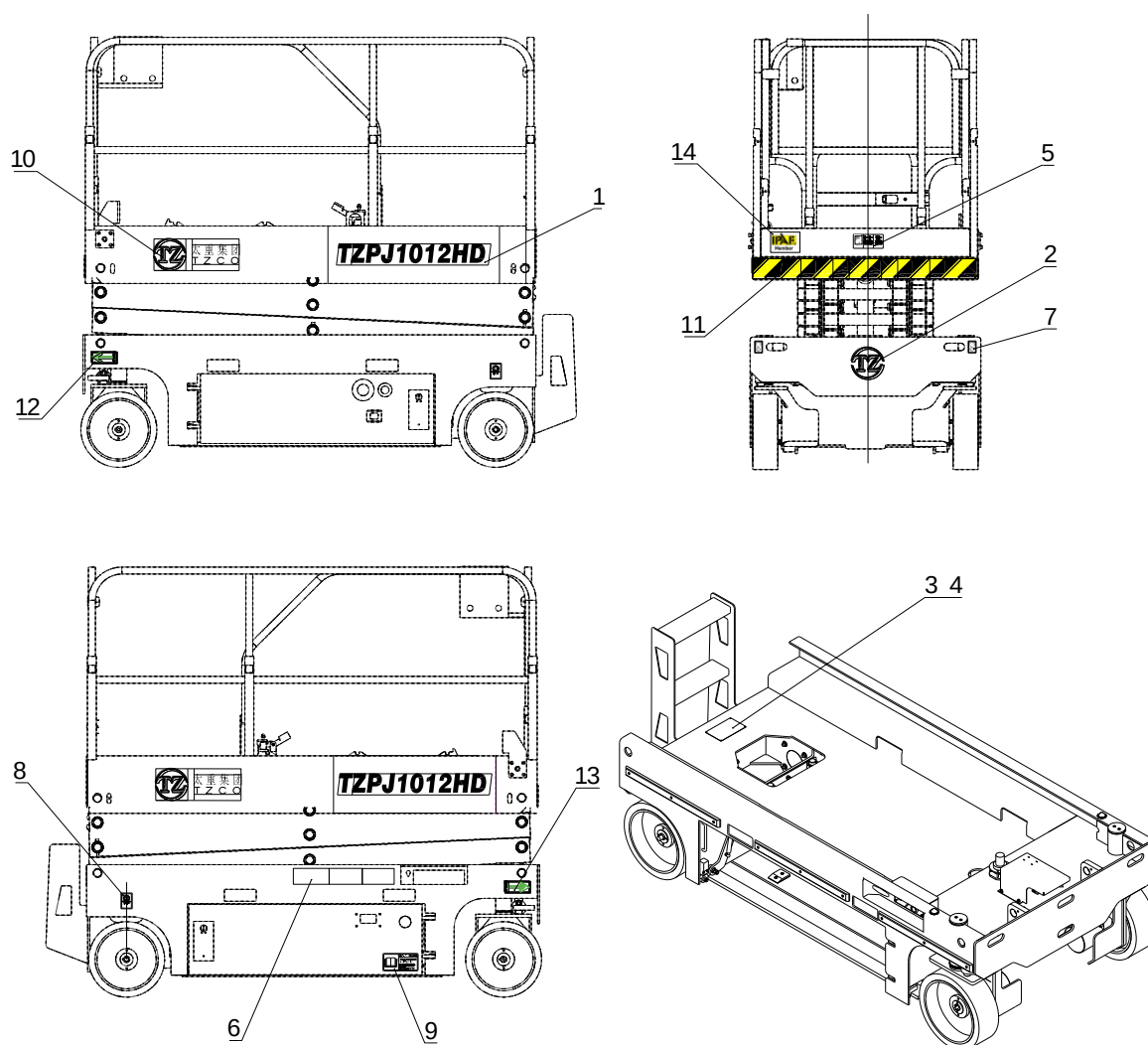
Anti-bumping Rod Parts (81120946)			
No.	Part No.	Description	Qty.
1	81120974	Plate	1
2	81124092	Nut GB/T70.1-M4X35	4
3	81124091	Nut GB/T70.1-M8X30	2
4	81124005	Washer GB/T93-8	2
5	81124011	Washer GB/T96.1-8	2
6	81124170	Screw GB/T6170-M8	2

Anti-bumping Rod Parts (81120946)			
No.	Part No.	Description	Qty.
7	80307520	Washer GB/T97.1-8	2
8	81124003	Washer GB/T93-4	4
9	81124182	Washer GB/T97.1-8	4

4. Nameplate and Marks

Nameplate and Marks

(81067395)

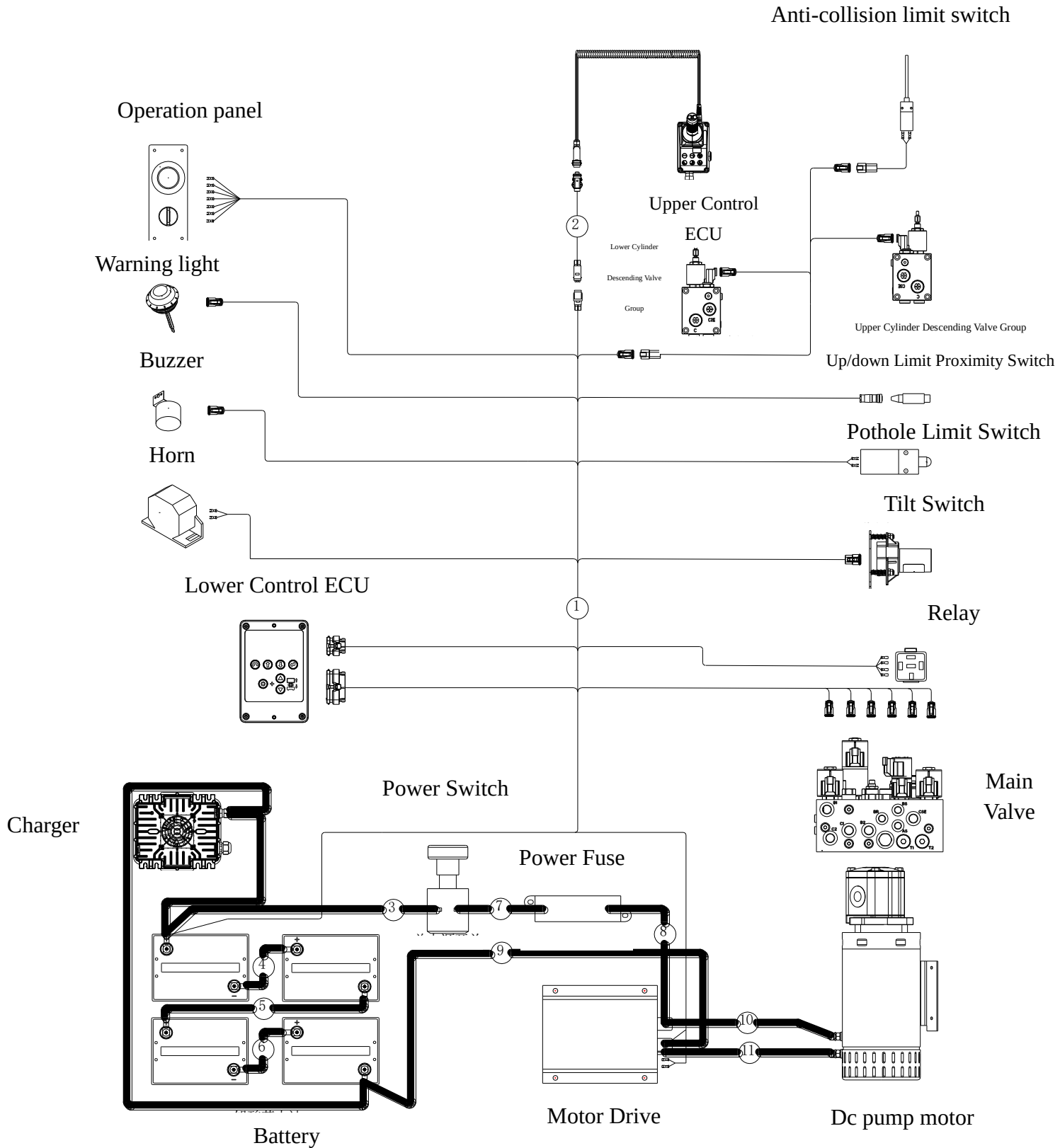


Nameplate and Marks (81067395)			
No.	Part No.	Description	Qty.
1	81067845	Model Code	2
2	80795025	TZ Mark	1
3	81067841	Product Nameplate	1

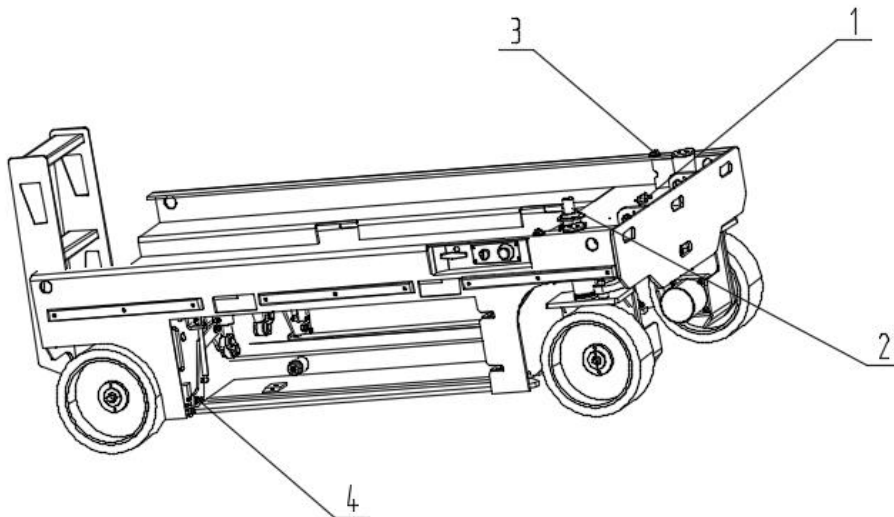
Nameplate and Marks (81067395)			
No.	Part No.	Description	Qty.
4	80379153	Blind Rivet GB/T12618.1-4X16	4
5	81067847	Load Sign	1
6	81067843	Warning Sign	1
7	81063649	Lift Sign	4
8	81067846	Tire Load Sign	2
9	81063651	Warning Words	1
10	81067842	TZCO Logo	2
11	81067844	Warning Tape	2
12	81063646	Heading Sign	1
13	81063654	Heading Sign 2	1
14	811137522	IPAF Sign	1

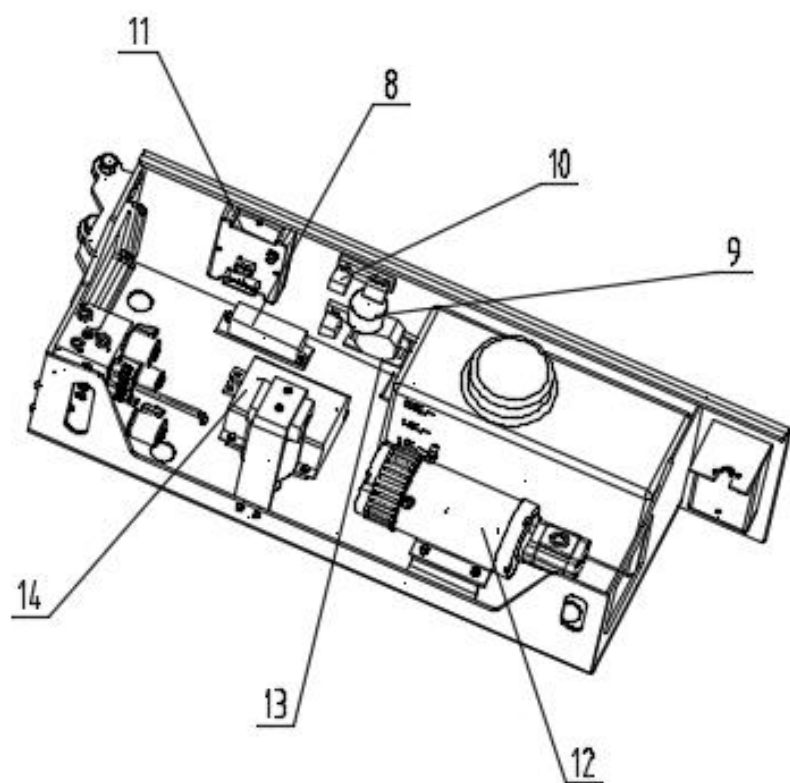
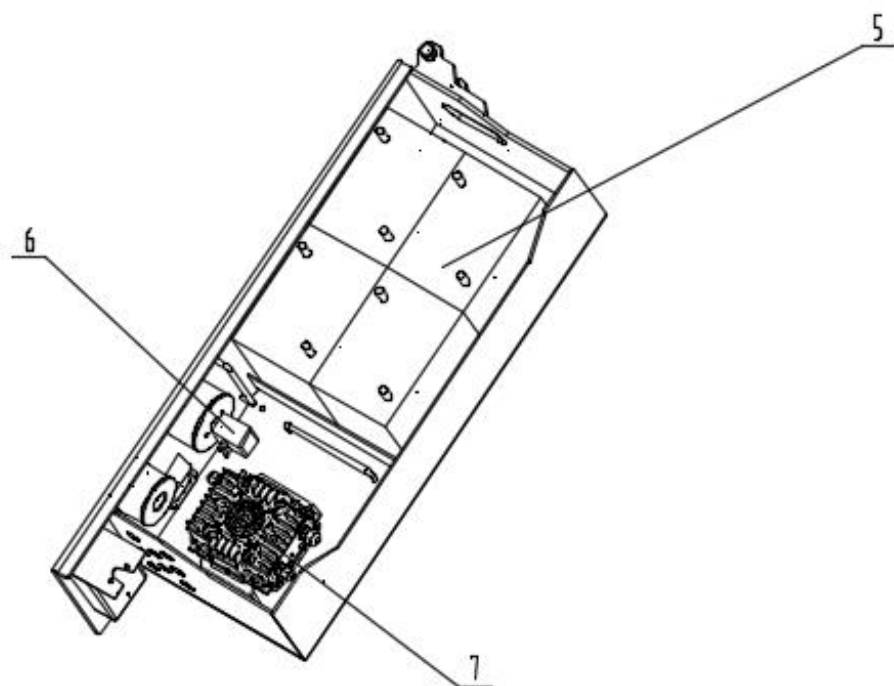
5. Electrical System

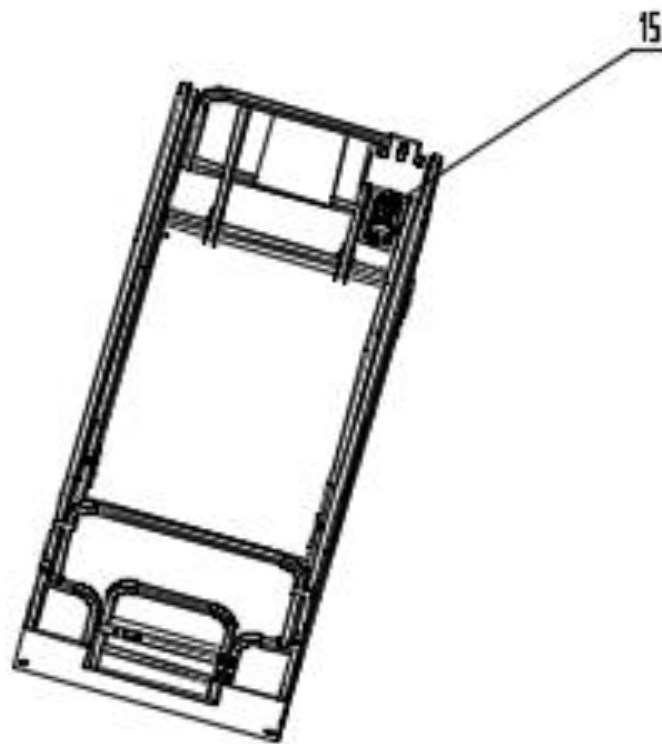
Electrical harness (TZPJ1012HD) (Lead-acid battery)



No.	Part No.	Description		Qty.
1	81068227	Master harness		1
2	81068224	PCU harness		1
3	81068234	Power Supply Harness	Battery to main power switch	1
4			Battery stub	1
5			Battery stub	1
6			Battery stub	1
7			Total power switch to power fuse	1
8			Power fuse to drive B+	1
9			Battery to total drive B-	1
10			Drive B+ to DC pump motor +	1
11			Drive B- to DC pump motor -	1







Electrical System Components (81058661)			
No.	Part No.	Description	Qty.
1	81075600	Proximity Switch XS112BHPAM12	2
2	80832231	Tilt Sensor SHSS.SYSH	1
3	80890026	Warning Light GY32	2
4	80500252	Travel Switch XCK N2102P20C	2
5	80723553	Battery DC 6V	4
6	80982553	Emergency Power Off Switch JK250A	1

Electrical System Components (81058661)			
No.	Part No.	Description	Qty.
7	80935408	Charger TZ.TZ-CH03D-2430A	1
8	80723470	Large Bolt Type Fuse ANL-300	1
9	80723471	Buzzer DJB-24B	1
10	81113007	Relay 24Vdc	2
11	80765436	ECU TZ-LZ-ZZJC-ECU-HC	1
12	80965683	Motor for Lifting and Walking Integrated Oil Pump TZPJ-DJ-D-24/24/4.5-001A	1
13	80736721	Horn	1
14	80765437	Drive Unit MCU	1
15	80765435	Motion Unit PCU	1

6. Hydraulic System

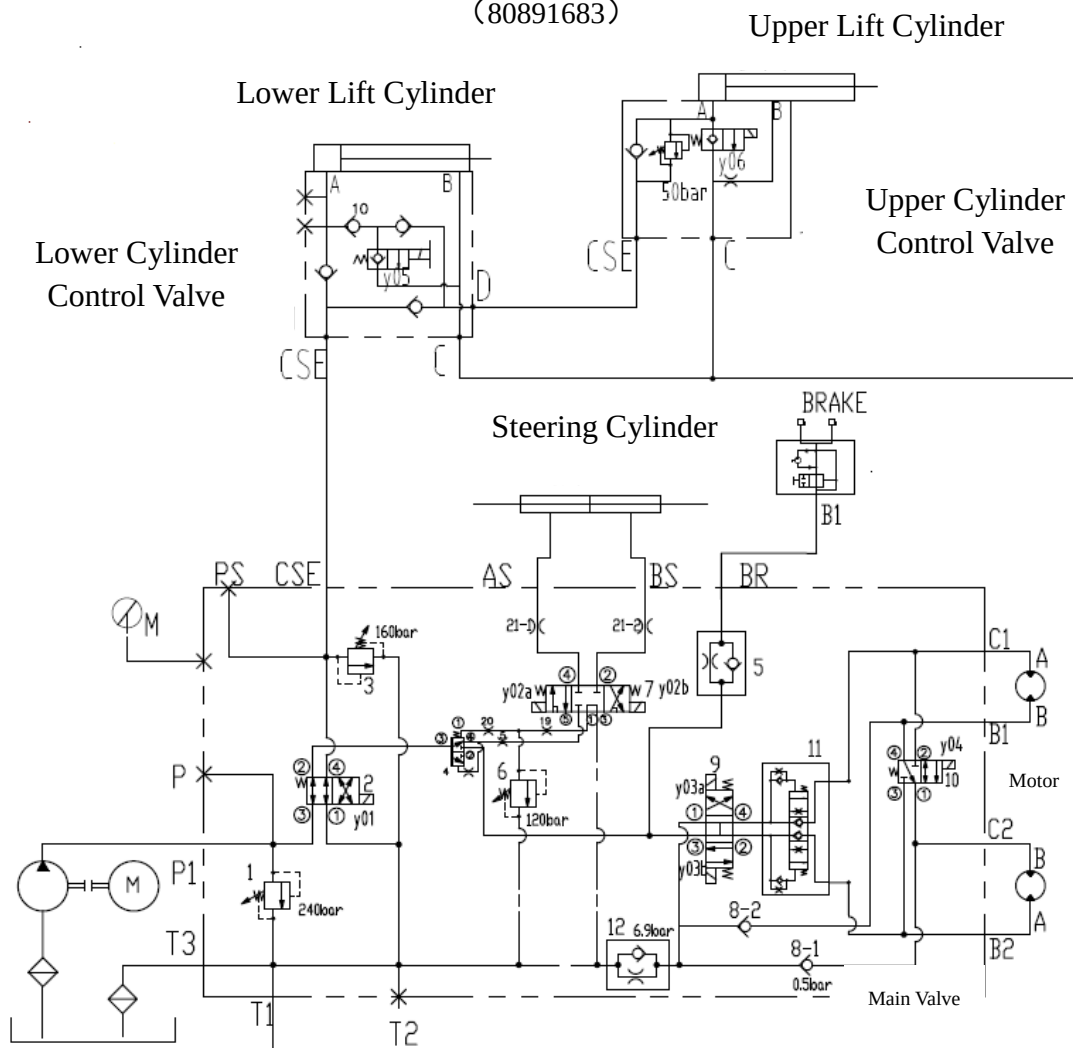
Hydraulic System

(80891684)

Hydraulic System			
No.	Part No.	Description	Qty.
1	80891683	Hydraulic Principle Diagram	1
2	80891687	Pipeline Layout	1
3	80825105	Low Temperature Hydraulic Oil	30

Hydraulic Principle Diagram

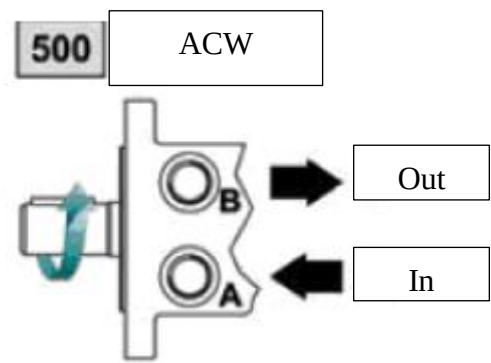
(80891683)



Control Table

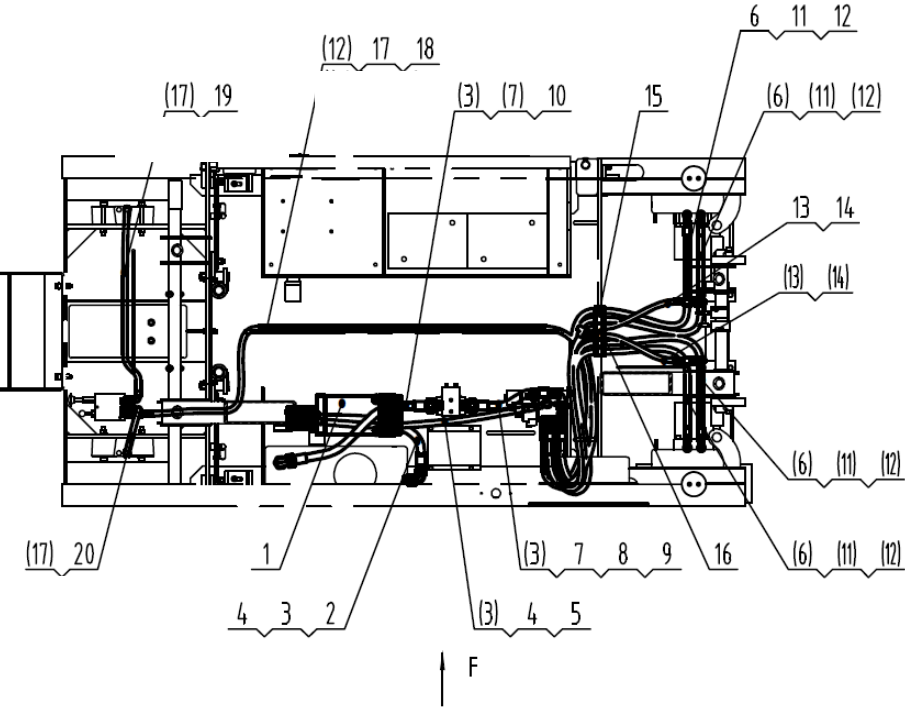
Motion	y01	y02a	y02b	y03a	y03b	y04	y05	y06
SC Turns Right		+						
SC Turns Left			+					
LC Lifts	+							
LC Descends							+	+
Drive Forward Full Speed				+				
Drive Backward Full Speed					+			
Drive Forward Half Speed				+		+		
Drive Backward Half Speed					+	+		

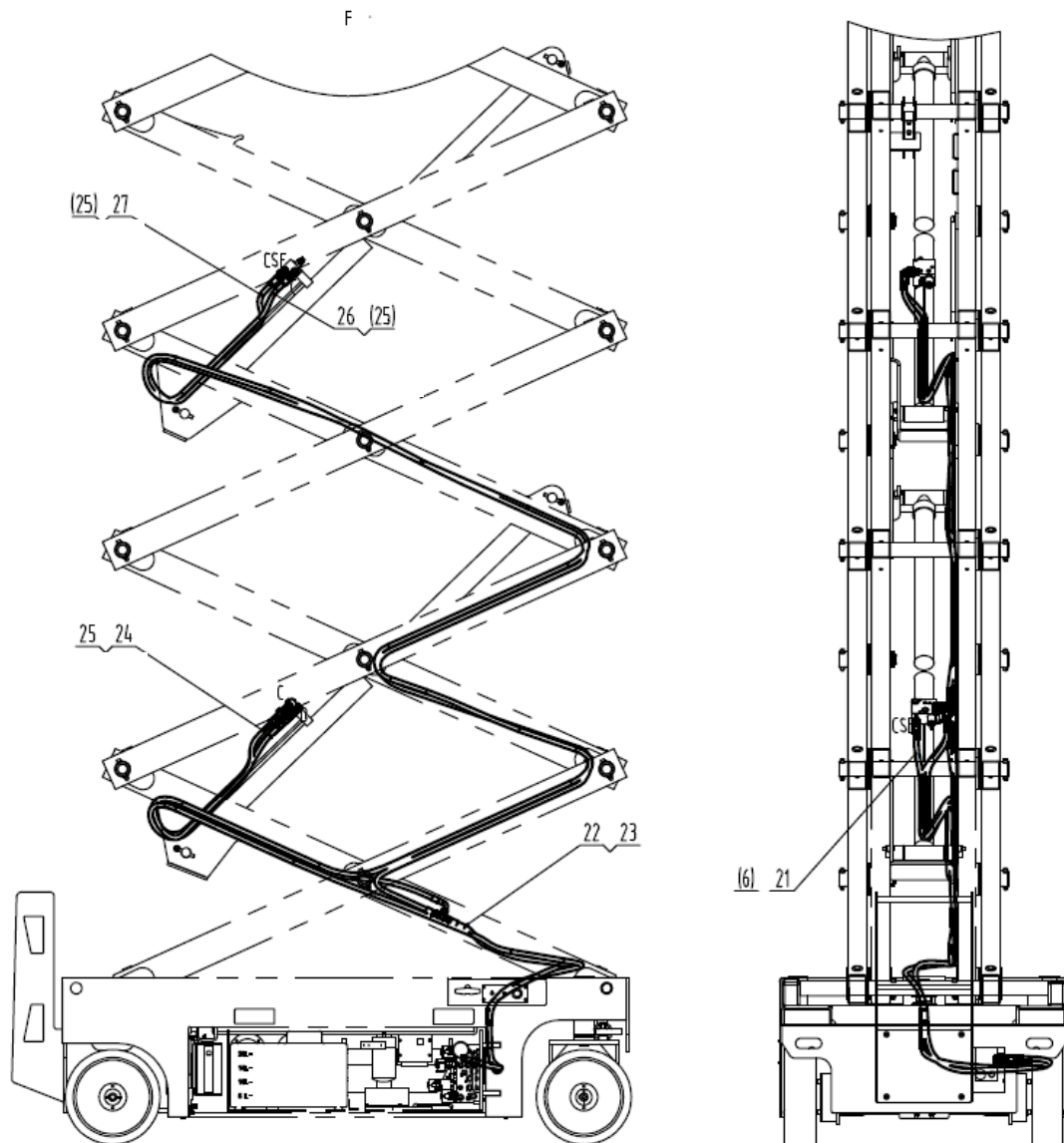
Travel motor rotation direction diagram



Pipeline Layout

(80891687)





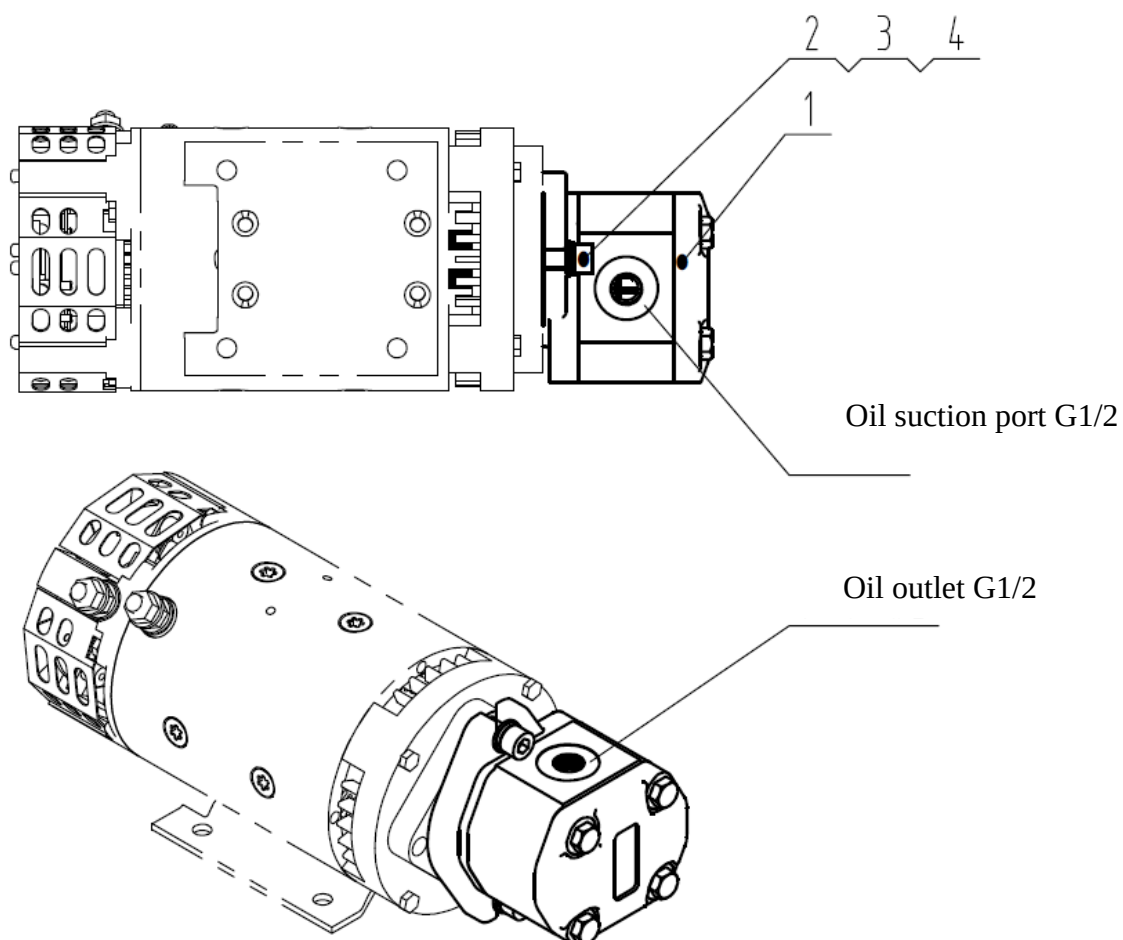
Pipeline Layout			
No.	Part No.	Description	Qty.
1	80986789	Power Unit Assembly	1
2	80731638	Hose Assembly	1
3	80173296	Rectangular Joint	3
4	80173217	Straight End Joint	2

Pipeline Layout			
No.	Part No.	Description	Qty.
5	81236947	Hose Assembly	1
6	80173253	Straight End Joint	11
7	80380283	Straight End Joint	2
8	80930068	Hose Assembly	1
9	80258289	Straight End Joint	2
10	80172174	Hose Assembly	1
11	80989711	Hose Assembly	4
12	80258284	Straight End Joint	4
13	80173251	Straight End Joint	5
14	80989704	Hose Assembly	2
15	80987239	Clamp Assembly	2
16	80987240	Clamp Assembly	1
17	80989705	Hose Assembly	1
18	80564558	Straight End Fitting	5
19	80989710	Hose Assembly	1
20	80987907	Hose Assembly	1

Pipeline Layout			
No.	Part No.	Description	Qty.
21	80989707	Hose Assembly	1
22	80989706	Hose Assembly	1
23	80397587	Tee Joint	1
24	80989712	Hose Assembly	1
25	80173301	Rectangular Joint	4
26	80989708	Hose Assembly	1
27	80987911	Hose Assembly	1
28	81126221	Nylon Binding Tape	100

Power Unit Assembly

(80986789)



Power Unit Assembly			
No.	Part No.	Description	Qty.
1	80965746	5cc Gear Pump	1
2	80364186	Washer	2
3	80184769	Washer	2
4	80966468	Hexagon Socket Round Head Full Thread Screw	2