

# UpRight

## POWERED ACCESS



# X52-43RT

## WORK PLATFORM

PN: 510669-000, SN 10000+  
July 29, 2011

SERVICE & PARTS MANUAL



# 2. OPERATION MANUAL

## WARNING

All personnel shall carefully read, understand and follow all safety rules and operating instructions before operating or performing maintenance on any UpRight aerial work platform.

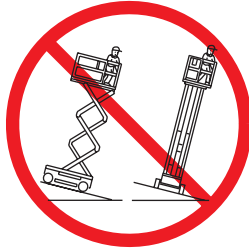
## Safety Rules

### Electrocution Hazard



**THIS MACHINE IS NOT INSULATED!**

### Tip Over Hazard



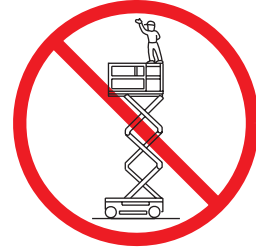
**NEVER** elevate the platform or drive the machine while elevated unless the machine is on a firm, level surface.

### Collision Hazard



**NEVER** position the platform without first checking for overhead obstructions or other hazards.

### Fall Hazard



**NEVER** climb, stand, or sit on platform guardrails or midrail.

**USE OF THE AERIAL WORK PLATFORM:** This aerial work platform is intended to lift persons and his tools as well as the material used for the job. It is designed for repair and assembly jobs and assignments at overhead workplaces (ceilings, cranes, roof structures, buildings etc.). All other uses of the aerial work platform are prohibited!

**THIS AERIAL WORK PLATFORM IS NOT INSULATED!** For this reason it is imperative to keep a safe distance from live parts of electrical equipment!

Exceeding the specified permissible maximum load **is prohibited!** See "Special Limitations" on page 3 for details.

The use and operation of the aerial work platform as a lifting tool or a crane (lifting of loads from below upwards or from up high on down) **is prohibited!**

**NEVER** exceed the manual force allowed for this machine. See "Special Limitations" on page 3 for details.

**DISTRIBUTE** all platform loads evenly on the platform.

**NEVER** operate the machine without first surveying the work area for surface hazards such as holes, drop-offs, bumps, curbs, or debris; and avoiding them.

**OPERATE** machine only on surfaces capable of supporting wheel loads.

**NEVER** operate the machine when wind speeds exceed this machine's wind rating. See "Beaufort Scale" on page 4 for details.

**IN CASE OF EMERGENCY** push EMERGENCY STOP switch to deactivate all powered functions.

**IF ALARM SOUNDS** while platform is elevated, STOP, carefully lower platform. Move machine to a firm, level surface.

Climbing up the railing of the platform, standing on or stepping from the platform onto buildings, steel or prefab concrete structures, etc., **is prohibited!**

Dismantling the swing gate or other railing components **is prohibited!** Always make certain that the swing gate is closed and securely locked!

**It is prohibited** to keep the swing gate in an open position (held open with tie-straps) when the platform is raised!

To extend the height or the range by placing of ladders, scaffolds or similar devices on the platform **is prohibited!**

**NEVER** perform service on machine while platform is elevated without blocking elevating assembly.

**INSPECT** the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, loose wire connections, and damaged cables or hoses before using.

**VERIFY** that all labels are in place and legible before using.

**NEVER** use a machine that is damaged, not functioning properly, or has damaged or missing labels.

To bypass any safety equipment **is prohibited** and presents a danger for the persons on the aerial work platform and in its working range.

**NEVER** charge batteries near sparks or open flame. Charging batteries emit explosive hydrogen gas.

Modifications to the aerial work platform **are prohibited** or permissible only at the approval by UpRight.

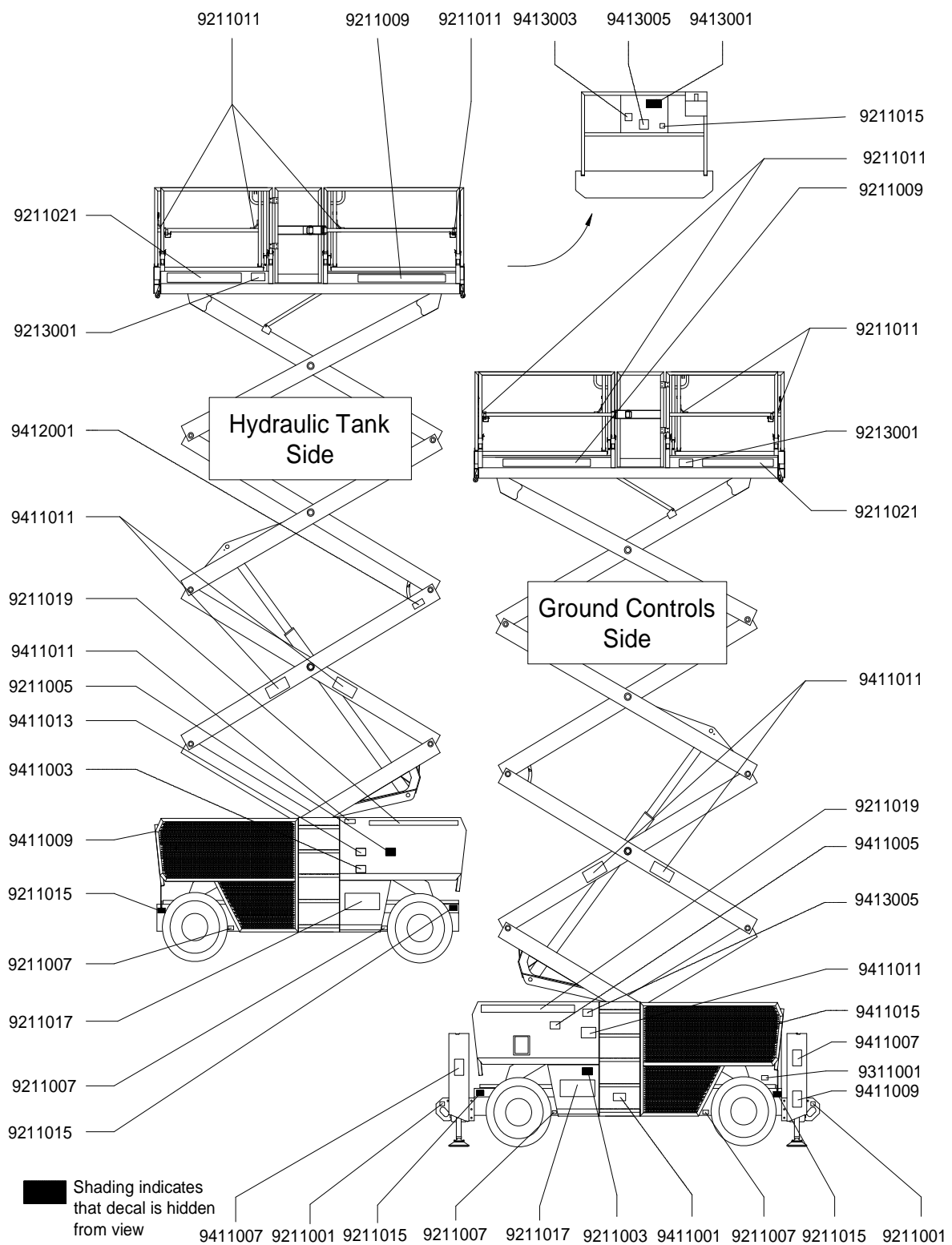
**AFTER USE**, secure the work platform from unauthorized use by turning both keyswitches off and removing key.



## Table of Contents

DECAL INSPECTION(X43RT).....	1	Lift Cylinder Assembly and Scissor Components(X52RT).....	54
DECAL INSPECTION(X52RT).....	3	Lift Cylinder Assembly(X43RT).....	56
Steer Axle Card Linkage.....	5	Lift Cylinder Assembly(X52RT).....	58
Steer Cylinder Assembly.....	7	Cable Bracket Assembly and Scissor Components(X43RT).....	60
Steer Axle、Wheels and Drive Hubs.....	9	Cable Bracket Assembly and Scissor Components(X52RT).....	62
Drive Hub Assembly.....	11	Scissor Components(X42RT).....	64
Non-Steer Axle、Wheels and Drive Hubs.....	14	Scissor Components(X52RT).....	66
Perkins 404D22 Engine.....	16	Safety Arm Components.....	68
Engine Tray Components.....	18	Platform Installation(X43RT).....	70
Engine Cover Components.....	20	Platform Installation(X52RT).....	72
Cable Track Components.....	22	Platform Rails and Entry Gates Installation.....	74
Drive Chassis Trays and Hydraulic Tank Tray Components.....	24	Front Platform Extension Deck.....	77
Hydraulic Tank and Manifolds Assembly Installation.....	26	Rear platform Extension Deck.....	80
Drive Manifold Assembly.....	28	Platform Floor Installation and Roller Installation.....	83
Drive Hydraulic Schematic.....	30	Platform Controls Installation.....	85
Function Manifold Assembly.....	31	Outrigger Components Installation.....	87
Function Hydraulic Schematic.....	33	Level Jack Cylinder Assembly.....	89
Hydraulic Tray Assembly.....	34	Outrigger Components.....	91
Drive Chassis Trays and Ground Controls Tray Components.....	36		
Fuel Tank and Ground Controls Assembly Installation.....	38		
Ground Controls(Fuel Tank) Side Tray Assembly.....	40		
Link Guard Assembly and Ladder Assembly.....	42		
Oil Cooler and Battery Tank Installation.....	44		
Arm Assembly I and Chassis Components (X43RT).....	46		
Arm Assembly I and Chassis Components (X52RT).....	49		
Lift Cylinder Assembly and Scissor Components(X43RT).....	52		

## DECAL INSPECTION (X43RT)



## DECAL INSPECTION (X43RT)

### Decal Inspection

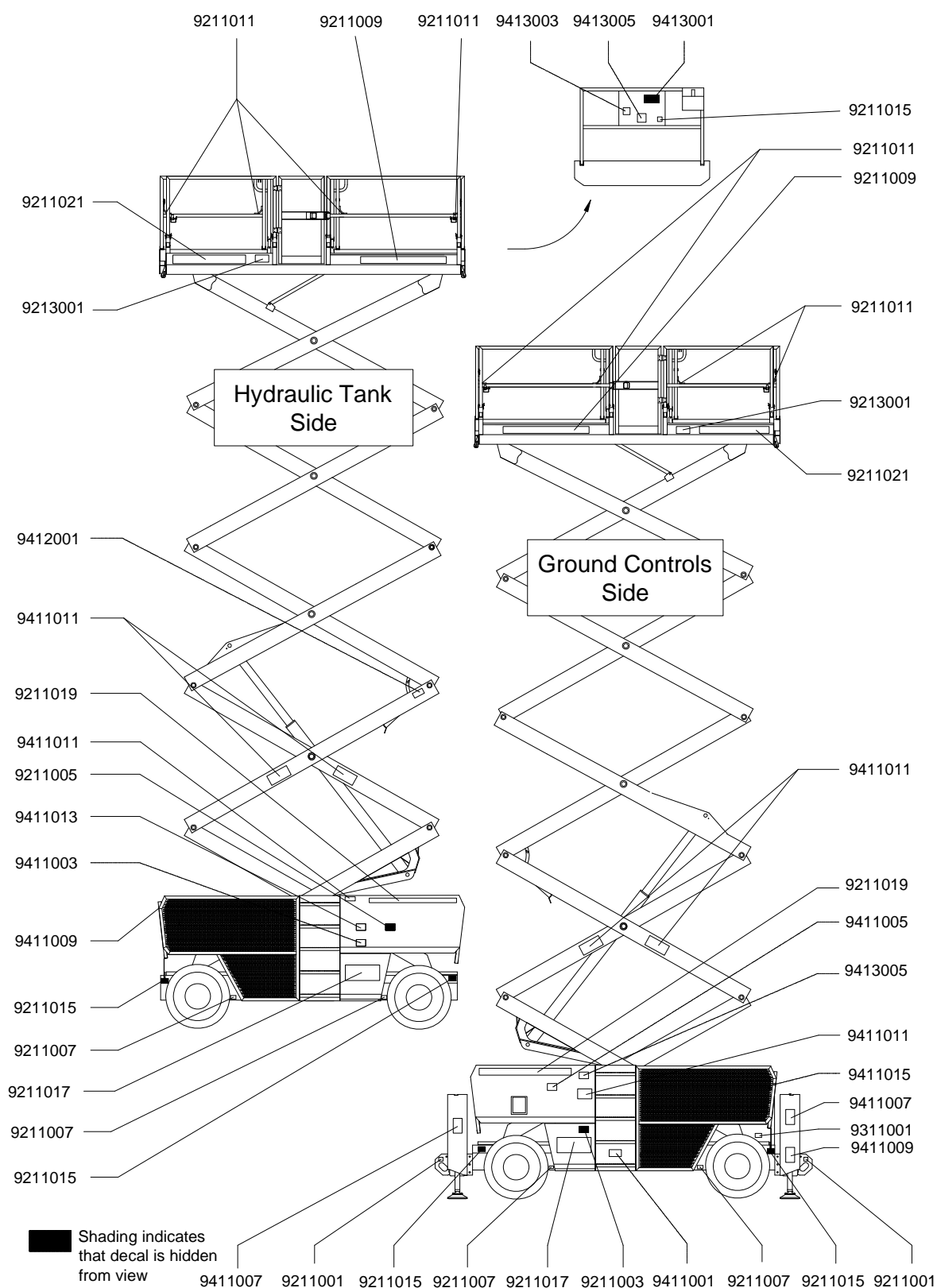
Use the pictures on the next page to verify that all decals are legible and in place

Below is a numerical list with quantities and descriptions.

Part No.	Description	QTY.
9211001	Label-Lifting Hanging Department	4
9211003	Label-Diesel	1
9211005	Label-Hydraulic Oil	1
9211007	Label-Wheel Maximum Load	4
9211009	Maximum Capacity 1500lbs/680kg	2
9211011	Label-Lanyard Anchorage	8
9211015	Label-Direction al Arrows	5
9211017	Cosmetic-4×4	2
9211019	Cosmetic-4×4 SELF-PROPELLED ROUGH-TERRAIN SCISSOR LIFTS	2
73256; /222	Cosmetic-Z65TV*****	2
9213001	Notice- Maximum Side Force 90lbs/400N	2
9311001	Label- Inspection	1
9411001	Danger-Explosion/Burn Hazard	1
9411003	Danger-Crushing Hazard	1
9411005	Danger-Tip-over Hazard	1
9411007	Warning-Crushing Hazard	4
9411009	Warning-Crushing Hazard	1
9411011	Warning-Crushing Hazard	1
9411013	Warning-Injection Hazard	1
9411015	Caution-Restricting Access	1
9412001	Danger-Crushing/Burn Hazard	1

Part No.	Description	QTY.
9413001	Danger-General Safety Rules	1
9413003	Danger-Tip Alam	1
9413005	Danger-Tip-over Hazard	1

## DECAL INSPECTION (X52RT)





## DECAL INSPECTION (X52RT)

### Decal Inspection

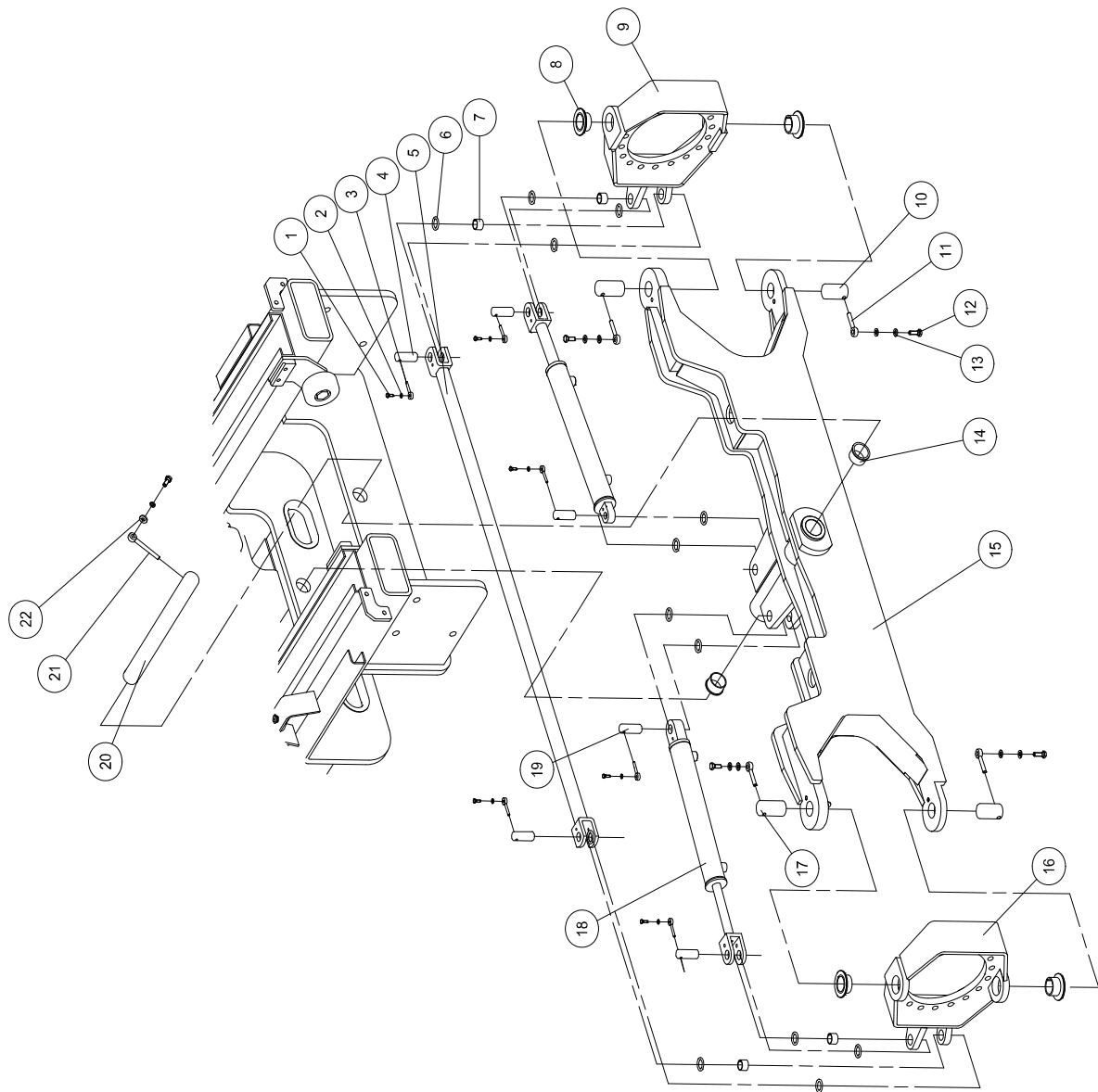
Use the pictures on the next page to verify that all decals are legible and in place

Below is a numerical list with quantities and descriptions.

Part No.	Description	QTY.
9211001	Label-Lifting Hanging Department	4
9211003	Label-Diesel	1
9211005	Label-Hydraulic Oil	1
9211007	Label-Wheel Maximum Load	4
9211009	Maximum Capacity 1500lbs/680kg	2
9211011	Label-Lanyard Anchorage	8
9211015	Label-Direction al Arrows	5
9211017	Cosmetic-4×4	2
9211019	Cosmetic-4×4 SELF-PROPELLED ROUGH-TERRAIN SCISSOR LIFTS	2
73256: /222	Cosmetic-Z74TV "*****"	2
9213001	Notice- Maximum Side Force 90lbs/400N	2
9311001	Label- Inspection	1
9411001	Danger-Explosion/Burn Hazard	1
9411003	Danger-Crushing Hazard	1
9411005	Danger-Tip-over Hazard	1
9411007	Warning-Crushing Hazard	4
9411009	Warning-Crushing Hazard	1
9411011	Warning-Crushing Hazard	1
9411013	Warning-Injection Hazard	1
9411015	Caution-Restricting Access	1
9412001	Danger-Crushing/Burn Hazard	1

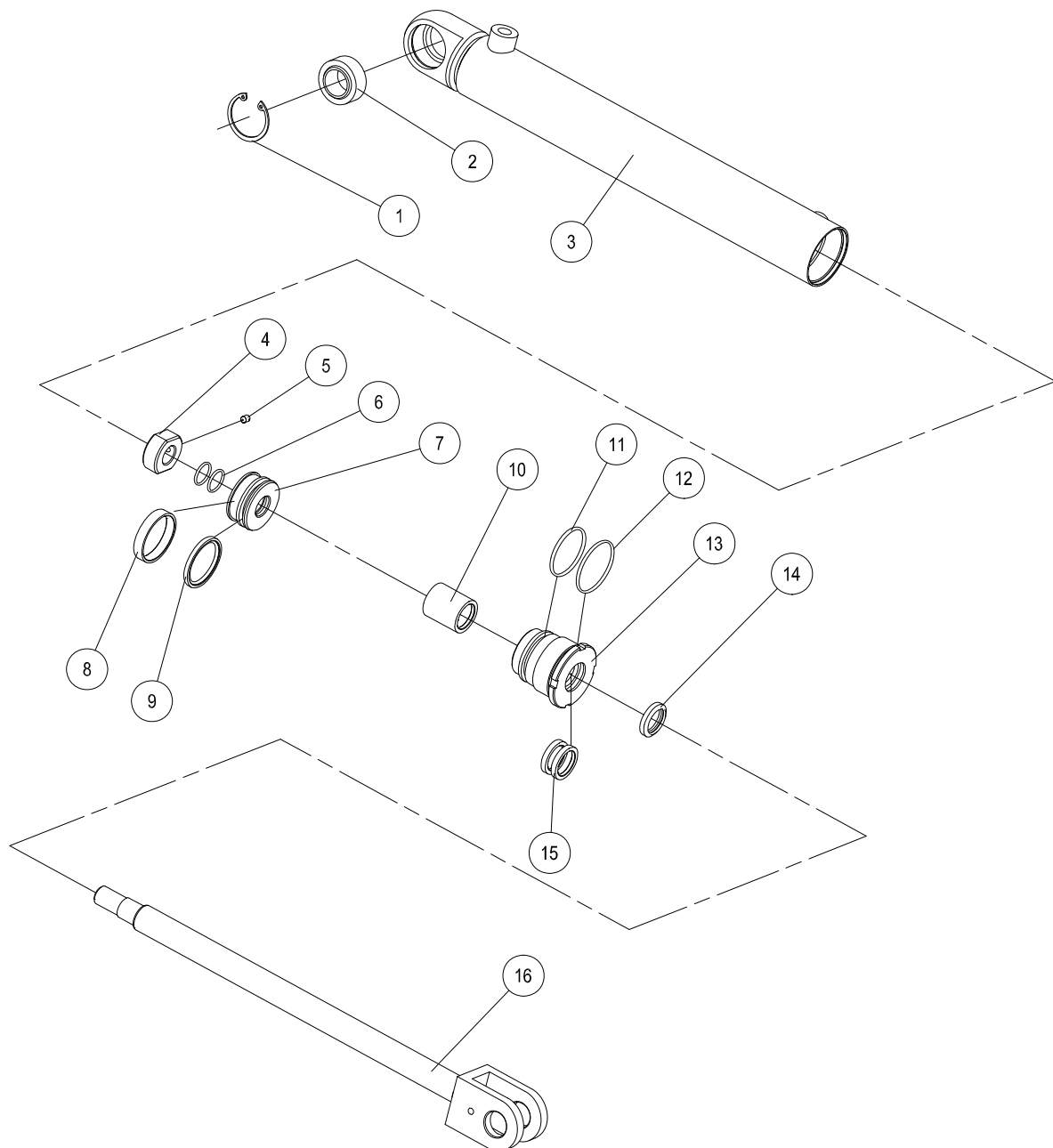
Part No.	Description	QTY.
9413001	Danger-General Safety Rules	1
9413003	Danger-Tip Alam	1
9413005	Danger-Tip-over Hazard	1

## Steer Axle Card Linkage



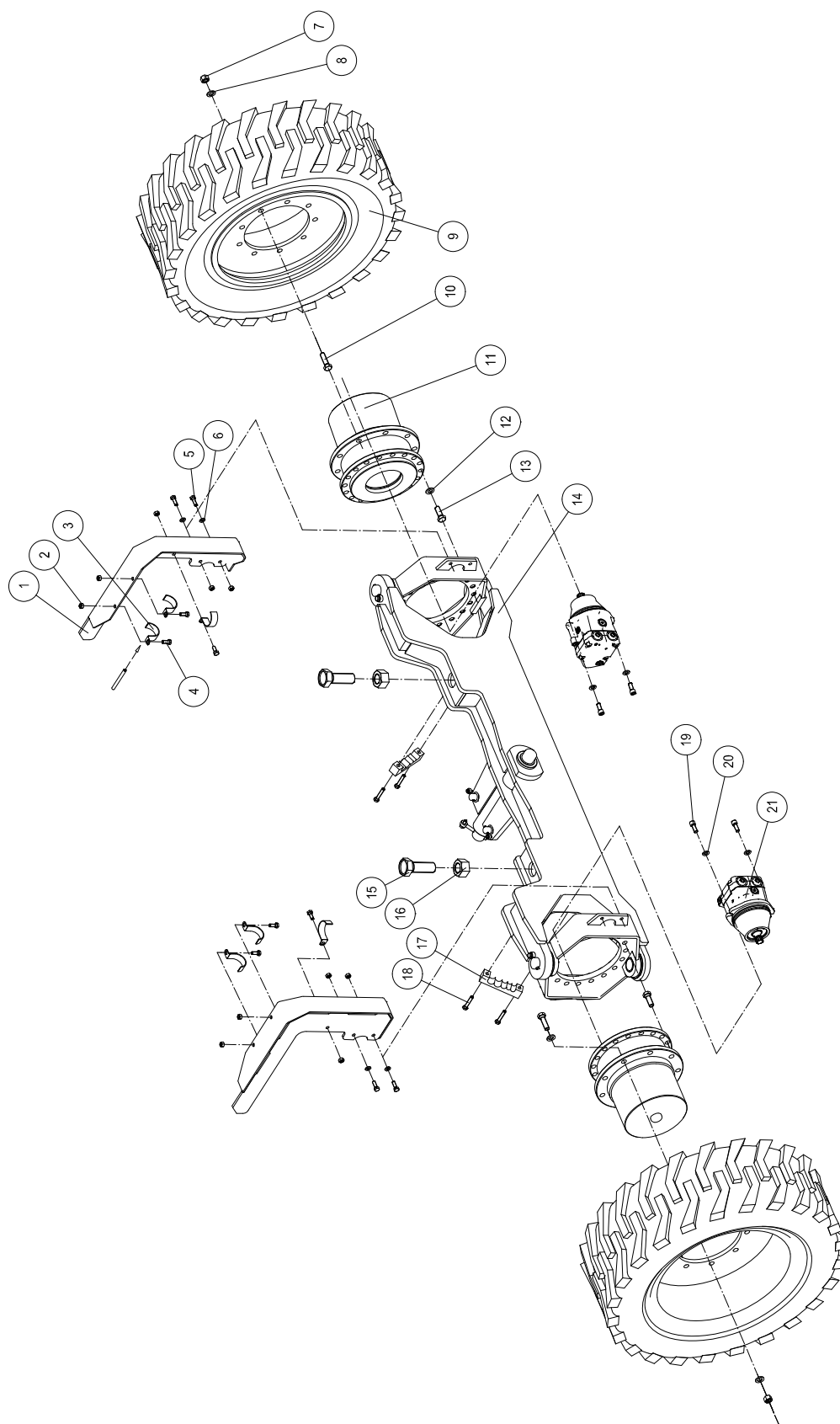
### Steer Axle Card Linkage

No.	Parts No.	Description	Qty.	Remark
1	GB/T5783-2000	Bolt M6×16	6	
2	GB/T93.1-2000	Circlip 6	6	
3	JCPT1523RT-12006	Pivot $\phi$ 6	6	
4	JCPT1523RT-12010	Master Cylinder Pin	4	
5	JCPT1523RT-12400	Tie Rod	1	
6	JCPT1523RT-12007	Washer	12	
7	JCPT1523RT-12021	Bearing 2428-20	4	
8	JCPT1523RT-12022	Bearing 4050-25	4	
9	JCPT1523RT-12300	Yoke Pivot Assembly, Left	1	
10	JCPT1523RT-12002	Pivot Pin (Below)	2	
11	JCPT1523RT-12003	Pivot 1, $\phi$ 10	4	
12	GB/T5783-2000	Bolt M10×30	5	
13	GB/T93.1-2000	Circlip 10	5	
14	JCPT1523RT-12023	Bearing F4550-30	2	
15	JPT1523RT-12100	Steer Axle Assembly, Oscillate	1	
16	JCPT1523RT-12200	Yoke Pivot Assembly, Right	1	
17	JCPT1523RT-12001	Pivot Pin (Up)	2	
18	JCPT1523RT-53100	Steer Cylinder	2	
19	JCPT1523RT-12004	Cylinder Pin (Back)	2	
20	JCPT1523RT-12008	Pivot Pin	1	
21	JCPT1523RT-12005	Pivot 2, $\phi$ 10	1	
22	GB/T97.1-2000	Flat washer 10	5	

**Steer Cylinder Assembly**

## Steer Cylinder Assembly

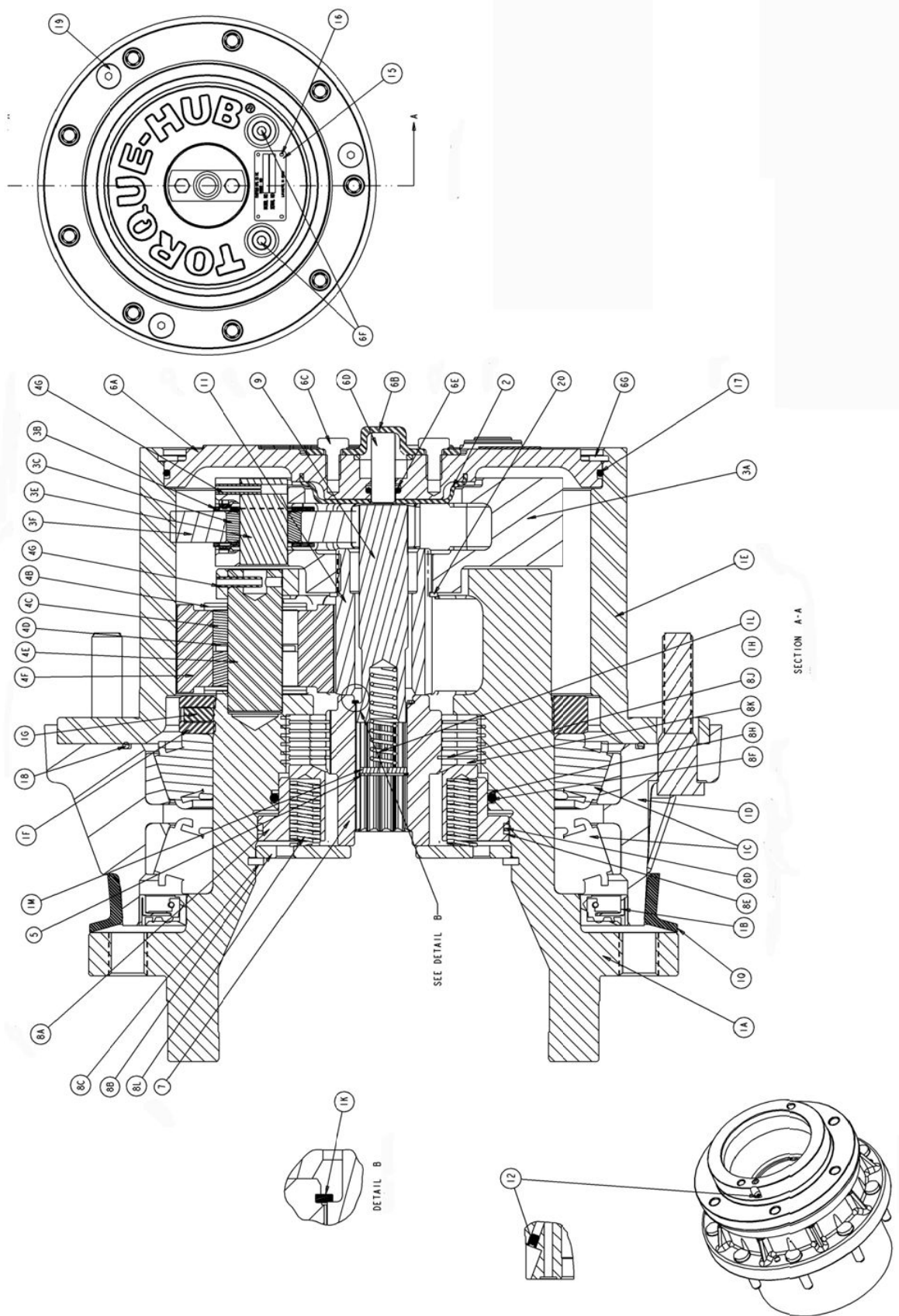
[illegible]

**Steer Axle, Wheels and Drive Hubs**

### Steer Axle、 Wheel and Drive Hubs

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-12510	Steer Yoke Guard	2	
2	GB/T6182-2000	Nylock Nut M10	10	
3	JCPT1523RT-12501	Rubber Cushioned Clamp	6	
4	GB/T5783-2000	Bolt M10×25	6	
5	GB/T5783-2000	Bolt M10×30	4	
6	GB/T97.1-2000	Flat Washer 10	4	
7	QC/T358	Nut M16	18	
8	GB/T97.1-2000	Flat Washer 16	18	
9	JCPT1523RT-18000	Wheel And Tire Assembly	2	
10	JCPT1523RT-12801	Bolt M16×1.5×55	18	
11	7HPF01FZZ3B048	Drive Hub	2	
12	GB/T97.1-2000	Flat Washer 16	36	
13	GB/T5786-2000	Bolt M16×1.5×50	36	
14	JCPT1523RT-12100	Steer Axle Assembly	1	
15	GB/T5781-2000	Bolt M36×100	2	
16	GB6170-2000	Nut M36	2	
17	JCPT1523RT-12009	Drive Motor Hose Clamp	2	
18	GB/T5782-2000	Bolt M10×55	4	
19	GB/T70.1-2000	Screw M12×30	4	
20	GB/T97.1-2000	Flat Washer 12	4	
21	JCPT1523RT-12900	Drive Motor	2	

## Drive Hub Assembly



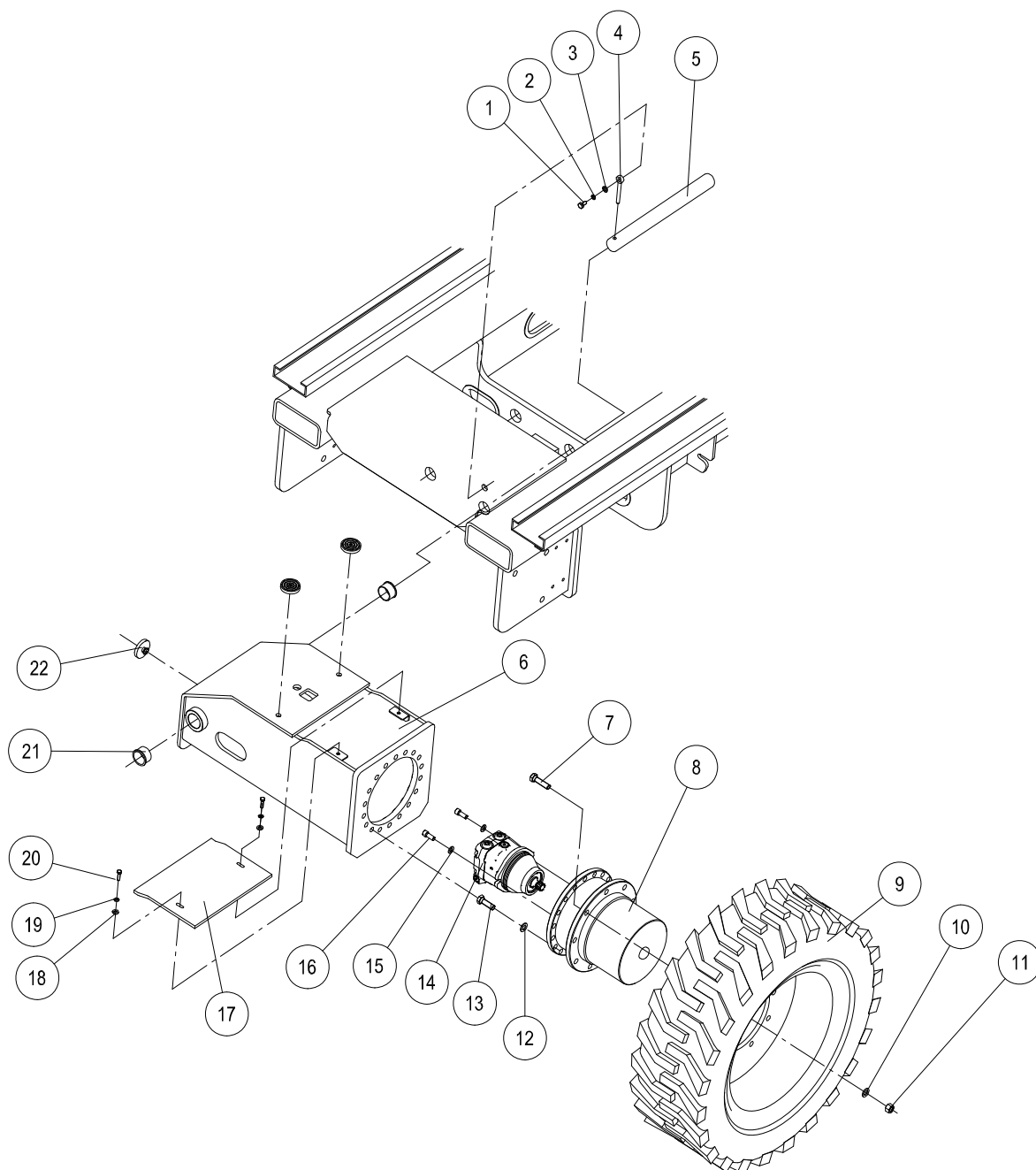


### Drive Hub Assembly

No.	Parts No.	Description	Qty.	Remark
7	AMD2100207B	A/M Input Shaft	1	
8C	9100328	Ret ,Ring-int	1	
8A	AM9024530F	A/M Brake Pisto	3	
1F	980166	Nut,Brg*India*	1	
18	940082	O-Ring(172×8.2)	1	
1G	930310	Screw,Set-socket	2	
4F	AMD2320001	A/M Planet Gear	1	
4E	D2220101	Shaft ,Planet * I	3	
4G	920002	Pin,Roll	3	
6A	AMD2500401A	A/M Cover S-A* I	1	
2	960485	Spacer,Thrust* I	1	
20	9100165	Ret ,Ring-ext	1	
6G	9100297	Ret ,Ring-int	1	
17	940008	O-Ring(166×6)	1	
3A	AMD2210502	A/M Carrier S-A	1	
1E	D2500001	Gear,Ring	1	
1H	97000F	Stud*India	9	
8J	902426W	Brake,Rotor	5	
8K	902427W	Brake,Stator	6	
8H	9400258	O-Ring,Back-up	1	
8F	9400256	O-Ring(237×3)	1	
1D	D2500601	Housing*India*	1	
1C	9008515	(T4CB140)Brg,Ta	2	
8D	9400102	O-Ring(1154×3)	1	
8E	9400248	O-Ring,Back-up	1	
1B	9013266	Seal,Mult	1	
1Q	9013239	Seal,Boot	1	
1A	D2400716	Spindle*India*	1	
12	950407	Pressure Plug	1	
15	901202	Plate,ID*India	1	

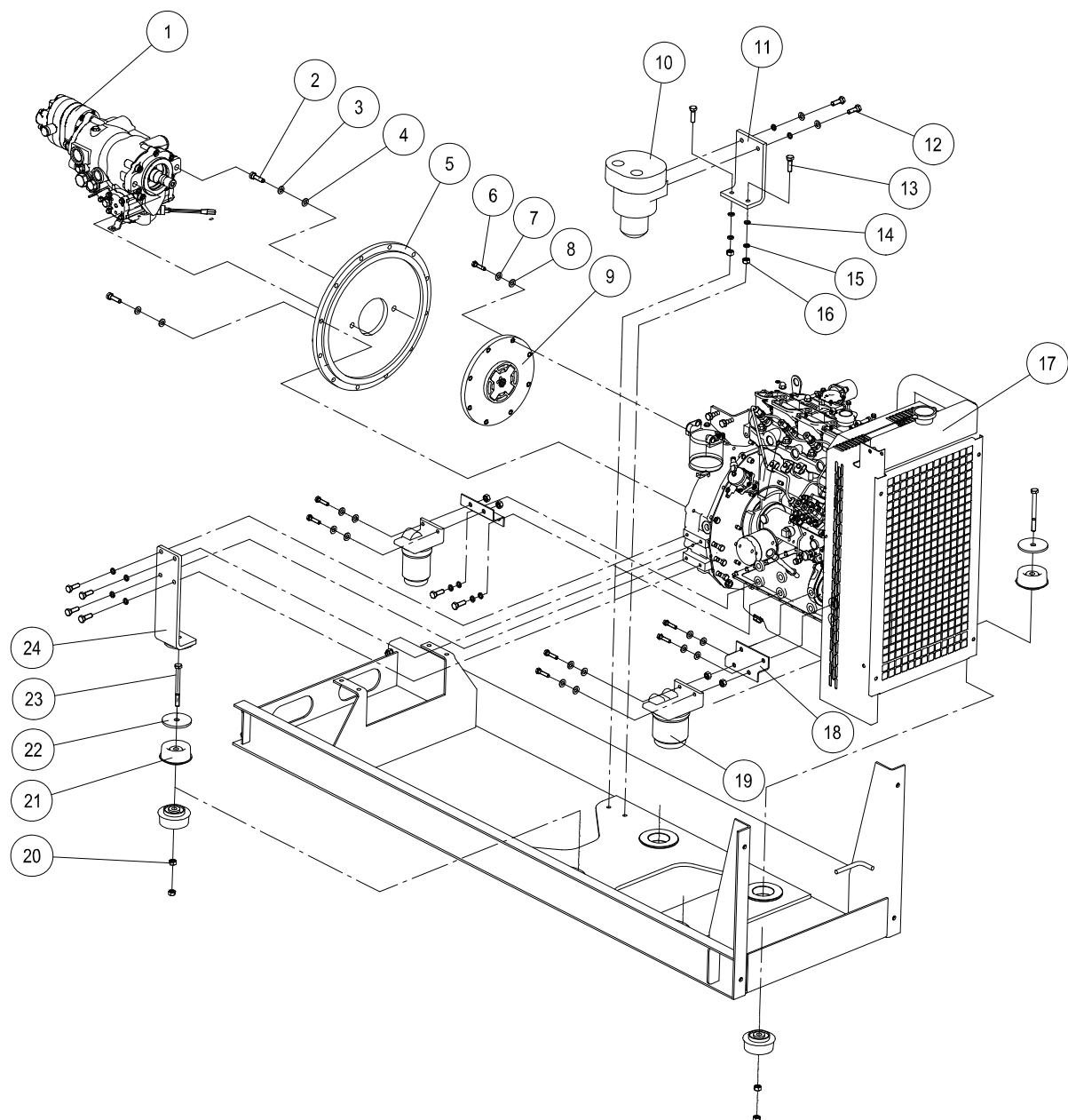
## Drive Hub Assembly

[illegible]

**Non-Steer Axle, Wheels and Drive Hubs**

### Non-Steer Axle、Wheels and Drive Hubs

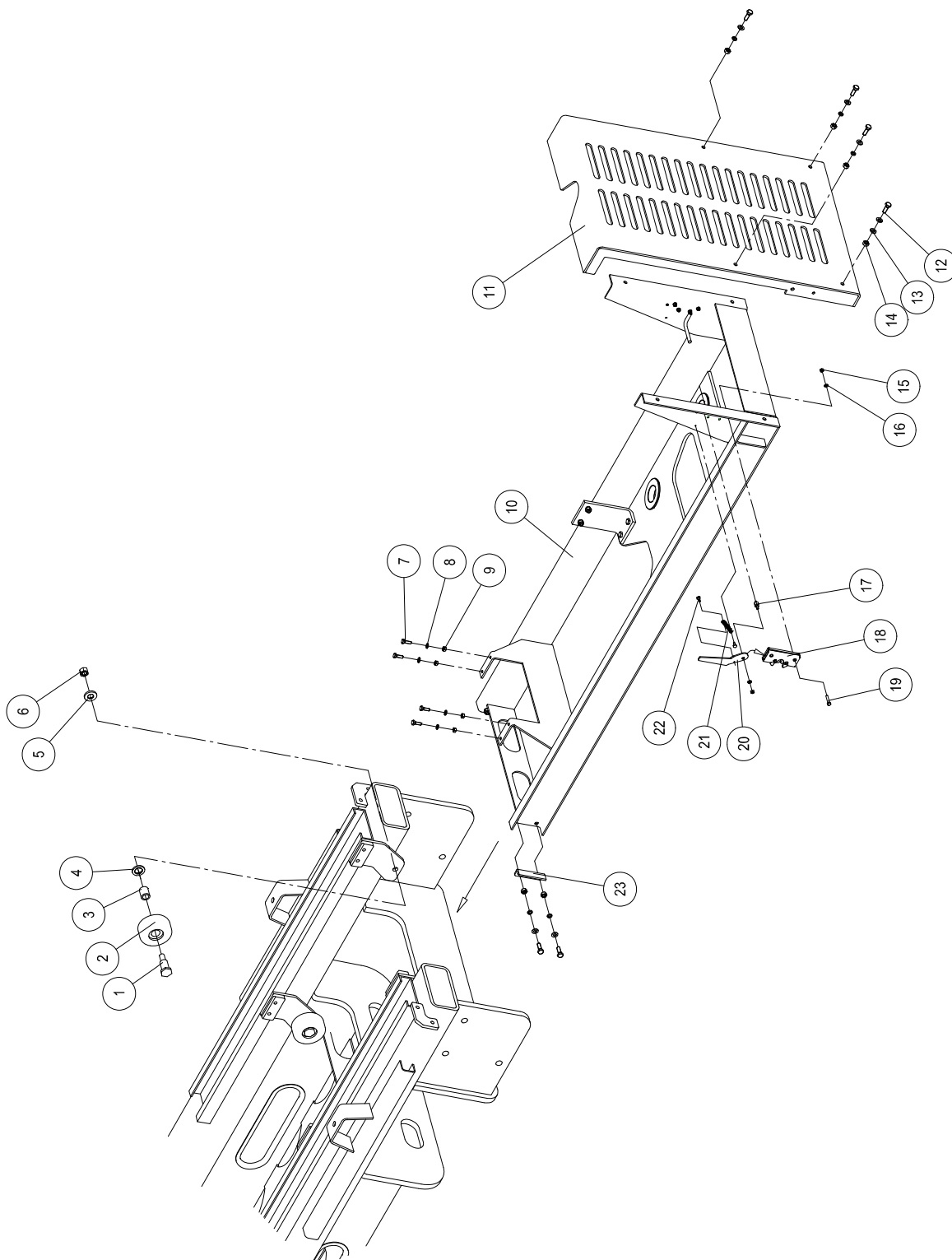
No.	Parts No.	Description	Qty.	Remark
1	GB/T5783-2000	Bolt M10×30	1	
2	GB/T93.1-2000	Circlip 10	1	
3	GB/T97.1-2000	Flat Washer 10	1	
4	JCPT1523RT-12005	Rod End, $\phi$ 10	1	
5	JCPT1523RT-13002	Pivot Pin	1	
6	JCPT1523RT-13100	Non-Steer Axle Assembly	1	
7	JCPT1523RT-12801	Bolt M16×1.5×55	9	
8	7HPF01FZZ3B048	Drive Hub	1	
9	JCPT1523RT-18000	Wheel And Tire Assembly	1	
10	GB/T97.1-2000	Flat Washer 16	9	
11	QC/T358	Nut M16	9	
12	GB/T93.1-2000	Circlip 16	18	
13	GB/T5786-2000	Bolt M16×1.5×50	18	
14	JCPT1523RT-12900	Drive Motor	1	
15	GB/T97.1-2000	Flat Washer 12	2	
16	GB/T70.1-2000	Screw M12×30	2	
17	JCPT1523RT-13003	Rear Axle Cover	1	
18	GB/T97.1-2000	Flat Washer 8	2	
19	GB/T93.1-2000	Circlip 8	2	
20	GB/T5783-2000	Bolt M8×25	2	
21	JCPT1523RT-12023	Bearing F4550-30	2	
22	JCPT1523RT-11001	Support Bumper	3	

**Perkins 404D22 Engine**

### Perkins 404D22 Engine

No.	Parts No.	Description	Qty.	Remark
1	MPV046C-M46-20818	Hydraulic Pump	1	
2	GB/T70.1-2000	Screw M14×35	2	
3	GB/T93.1-2000	Circlip M14	2	
4	GB/T97.1-2000	Flat Washer 14	2	
5	JCPT1523RT-10804	Pump Mount Plate	1	
6	GB/T5783-2000	Bolt 5/16-18UNC×1	8	
7	GB/T93.1-2000	Circlip 8	8	
8	GB/T97.1-2000	Flat Washer 8	8	
9	JCPT1523RT-10812	Pump Coupler	1	
10	JCPT1523RT-10813	Oil Filter	1	
11	JCPT1523RT-10807	Oil Filter Bracket	1	
12	GB/T5783-2000	Bolt 3/8-16UNC×1	24	
13	GB/T5783-2000	Bolt M10×35	6	
14	GB/T97.1-2000	Flat Washer 10	30	
15	GB/T93.1-2000	Circlip 10	30	
16	GB/T6182-2000	Nylock Nut M10	10	
17	404C-22-38KW	Engine, Perkins	1	
18	JCPT1523RT-10809	Bracket	2	
19	JCPT1523RT-10814	Engine Oil Filter	1	
20	GB/T6170-2000	Nut M10	4	
21	JCPT1523RT-10862	Cushion	4	
22	JCPT1523RT-10861	Plate	4	
23	GB/T5782-2000	Bolt M10×110	4	
24	JCPT1523RT-10806	Engine, Mount Bracket	2	
25	JCPT1523RT-10815	Filter	1	

## Engine Tray Components

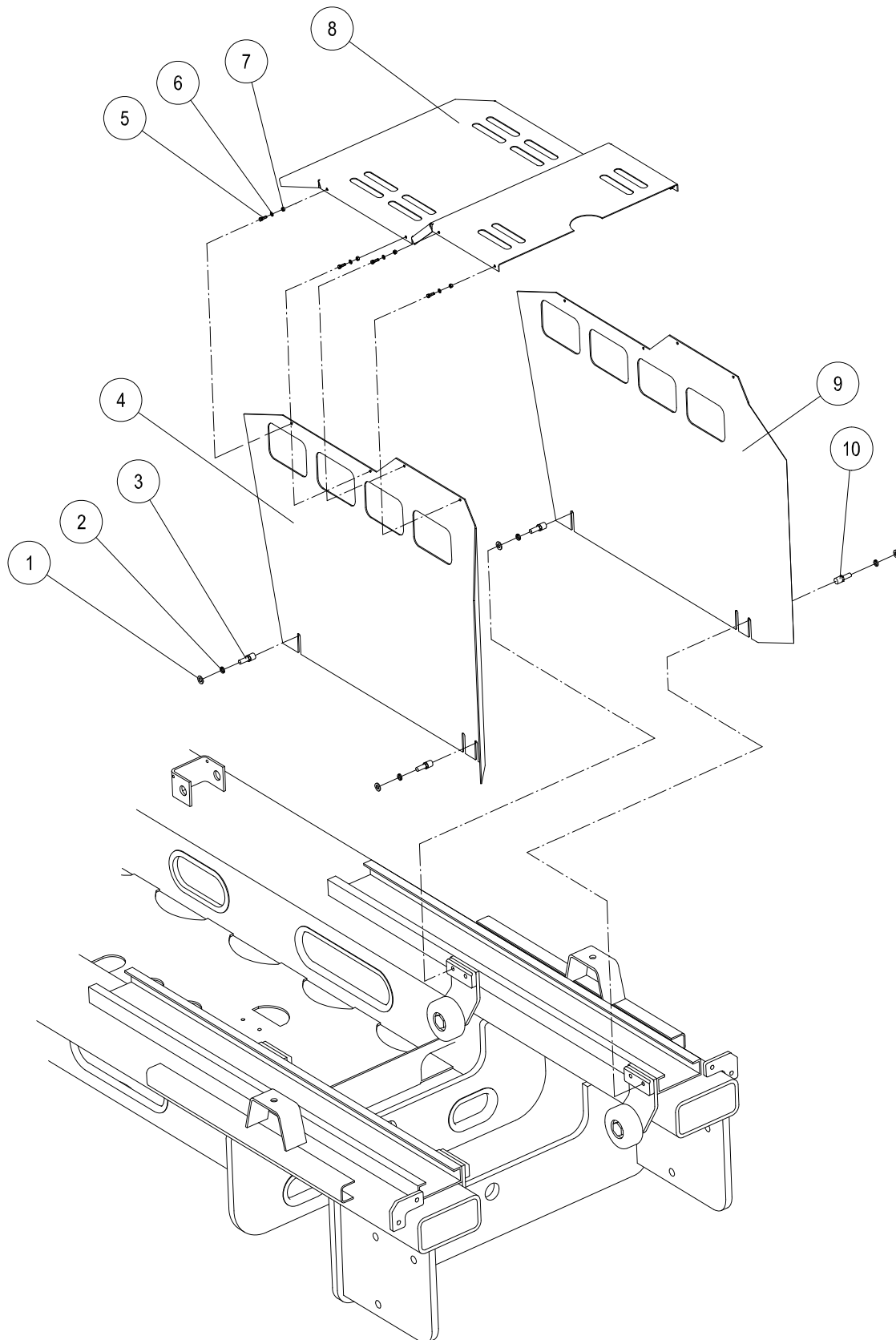


### Engine Tray Components

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-11007	Shoulder Bolt M16	4	
2	JCPT1523RT-11005	Wheel Roller	4	
3		Bearing 2428-35	4	
4	JCPT1523RT-11006	Roller Wheel Spacer	4	
5	GB/T97.1-2000	Flat Washer 16	4	
6	GB/T6182-2000	Nylock Nut M16	4	
7	GB/T5783-2000	Bolt M8×25	4	
8	GB/T97.1-2000	Flat Washer 8	4	
9	GB/T6182-2000	Nylock Nut M8	4	
10	JCPT1523RT-10820	Engine Tray Assembly	1	
11	JCPT1523RT-10840	Front Cover	1	
12	GB/T5783-2000	Bolt M10×30	8	
13	GB/T97.1-2000	Flat Washer 10	16	
14	GB/T6182-2000	Nylock Nut M10	8	
15	GB/T6182-2000	Nylock Nut M6	10	
16	GB/T97.1-2000	Flat Washer6	10	
17	JCPT1523RT-10801	Should Pin	2	
18	JCPT1523RT-10870	Lock	2	
19	GB/T5783-2000	Bolt M6×35	8	
20	JCPT1523RT-10802	Handle	2	
21	JCPT1523RT-10803	Handle Spring	2	
22	JCPT1523RT-10808	Pin	4	
23	JCPT1523RT-10805	Tailgate	2	



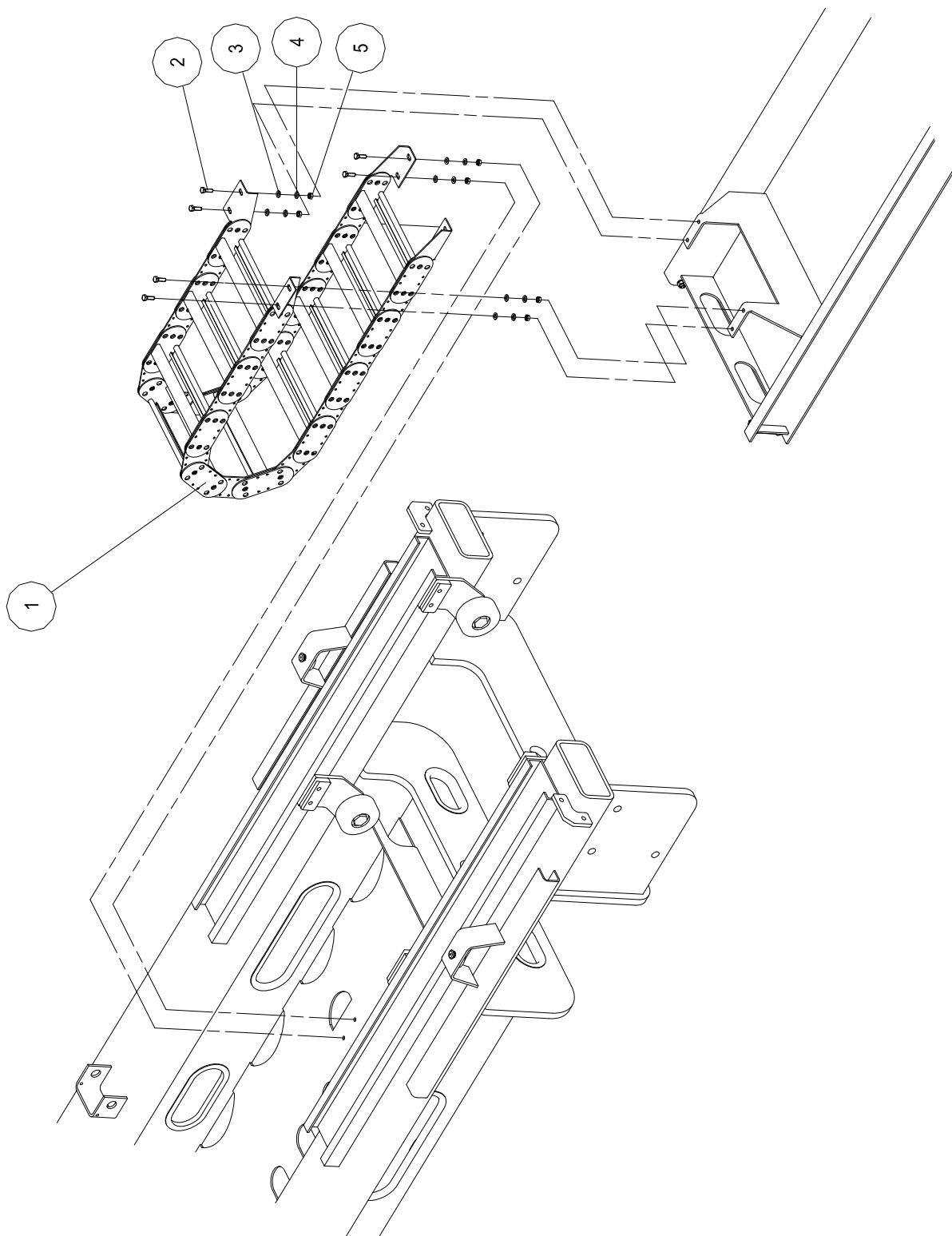
## Engine Cover Components



## Engine Cover Components

[illegible]

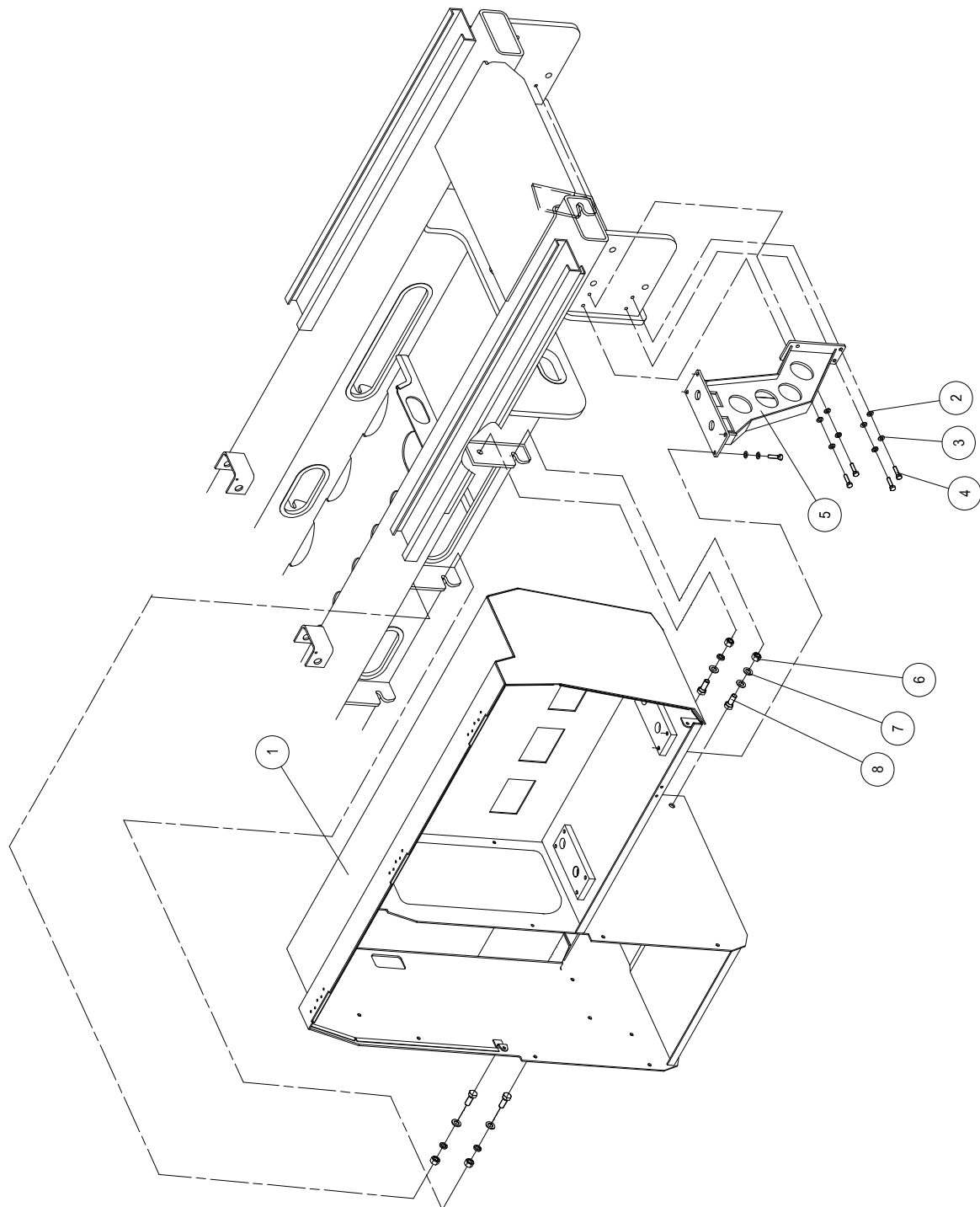
## Cable Track Components



## Cable Track Components

[illegible]

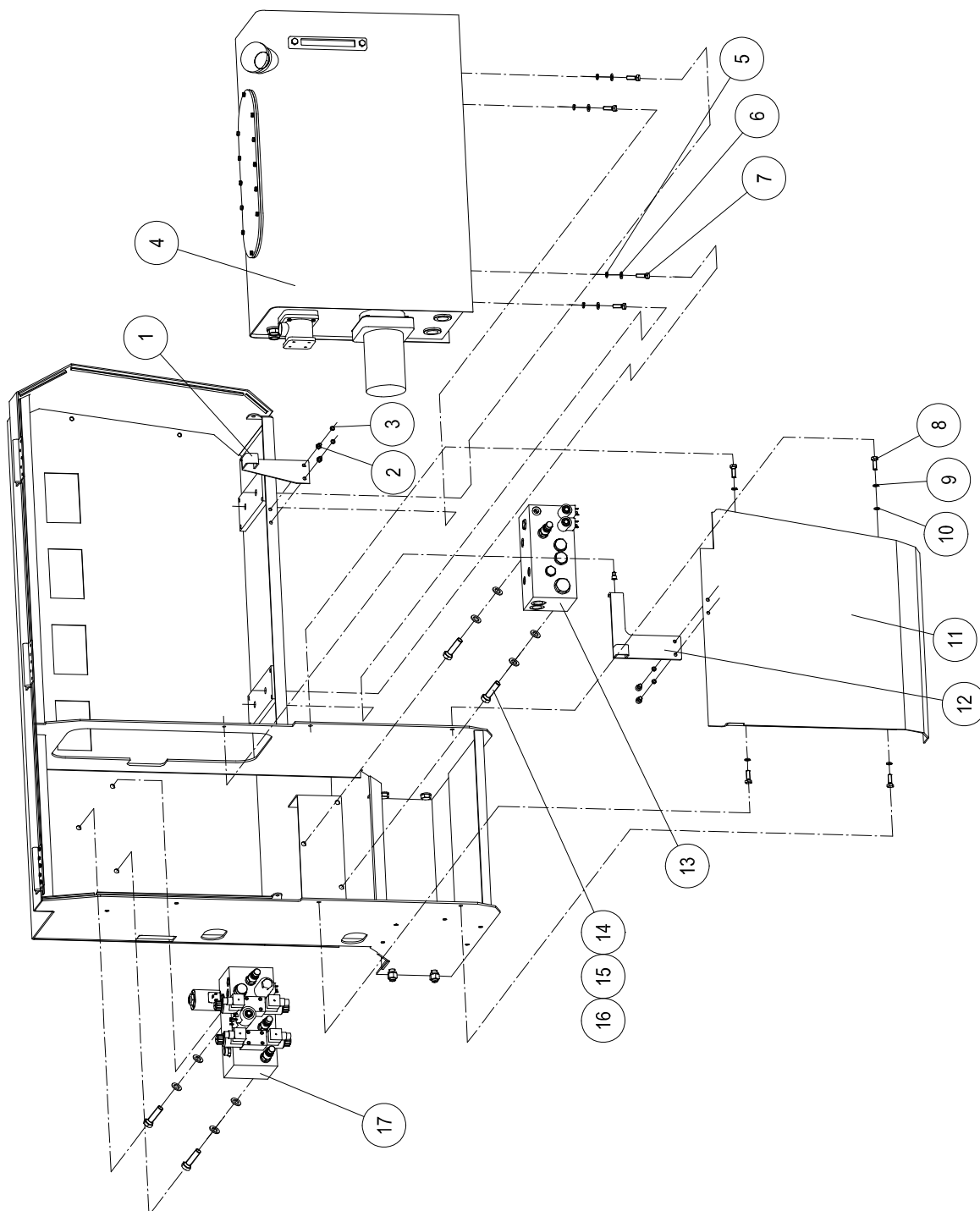
## Drive Chassis Trays and Hydraulic Tank Tray Components



## Drive Chassis Trays and Hydraulic Tank Tray Components

[illegible]

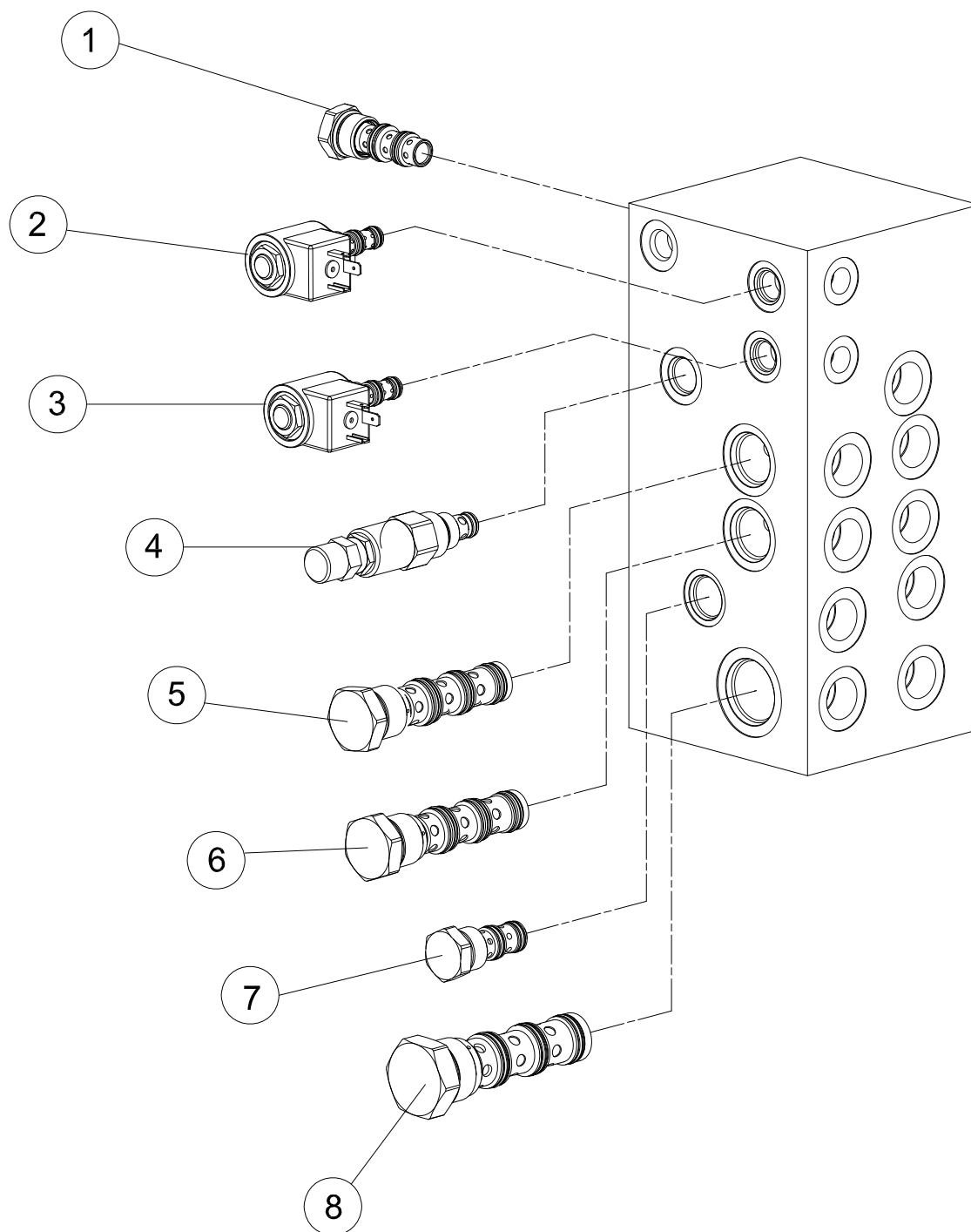
## Hydraulic Tank and Manifolds Assembly Installation



## Hydraulic Tank and Manifolds Assembly Installation

[illegible]

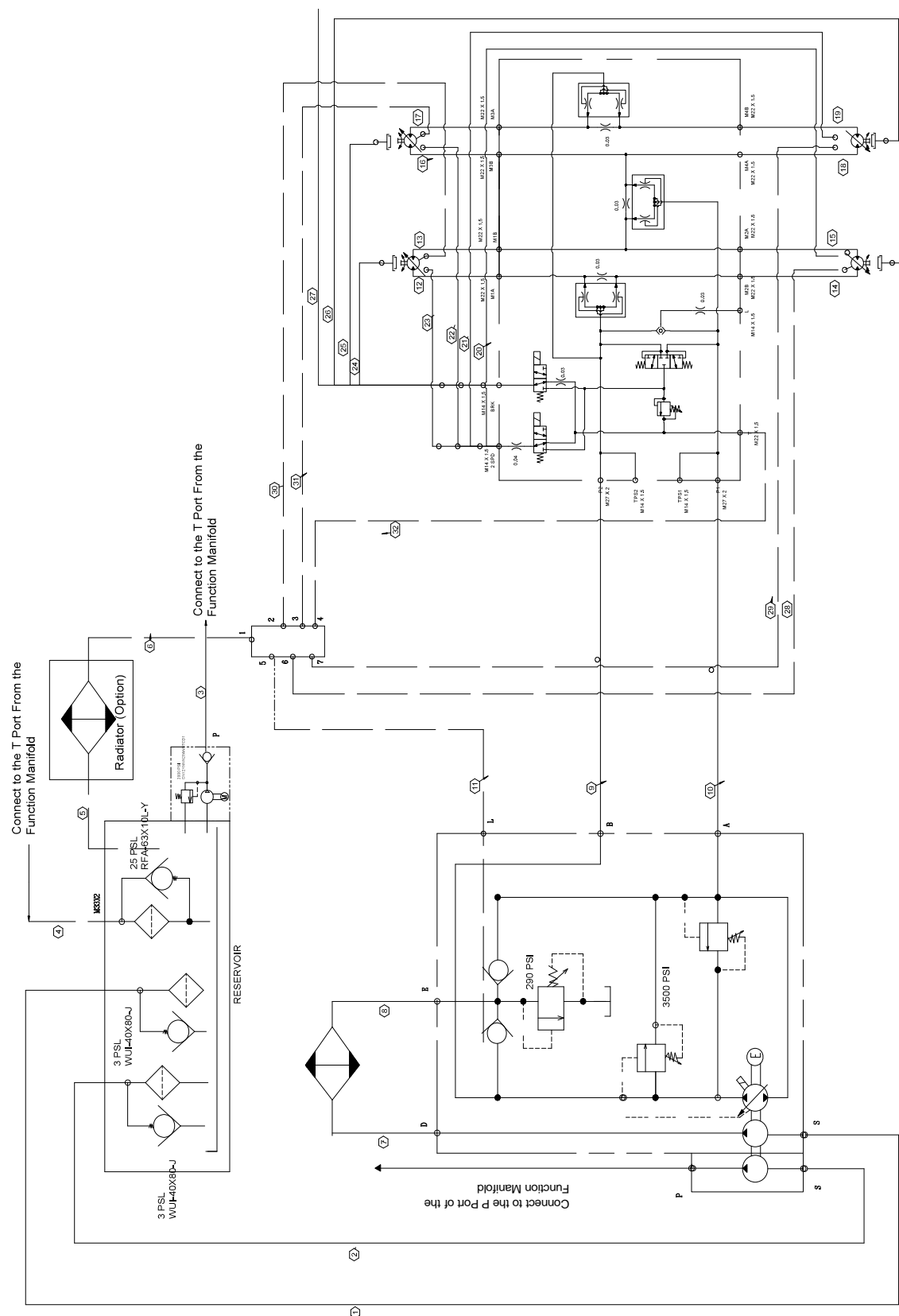


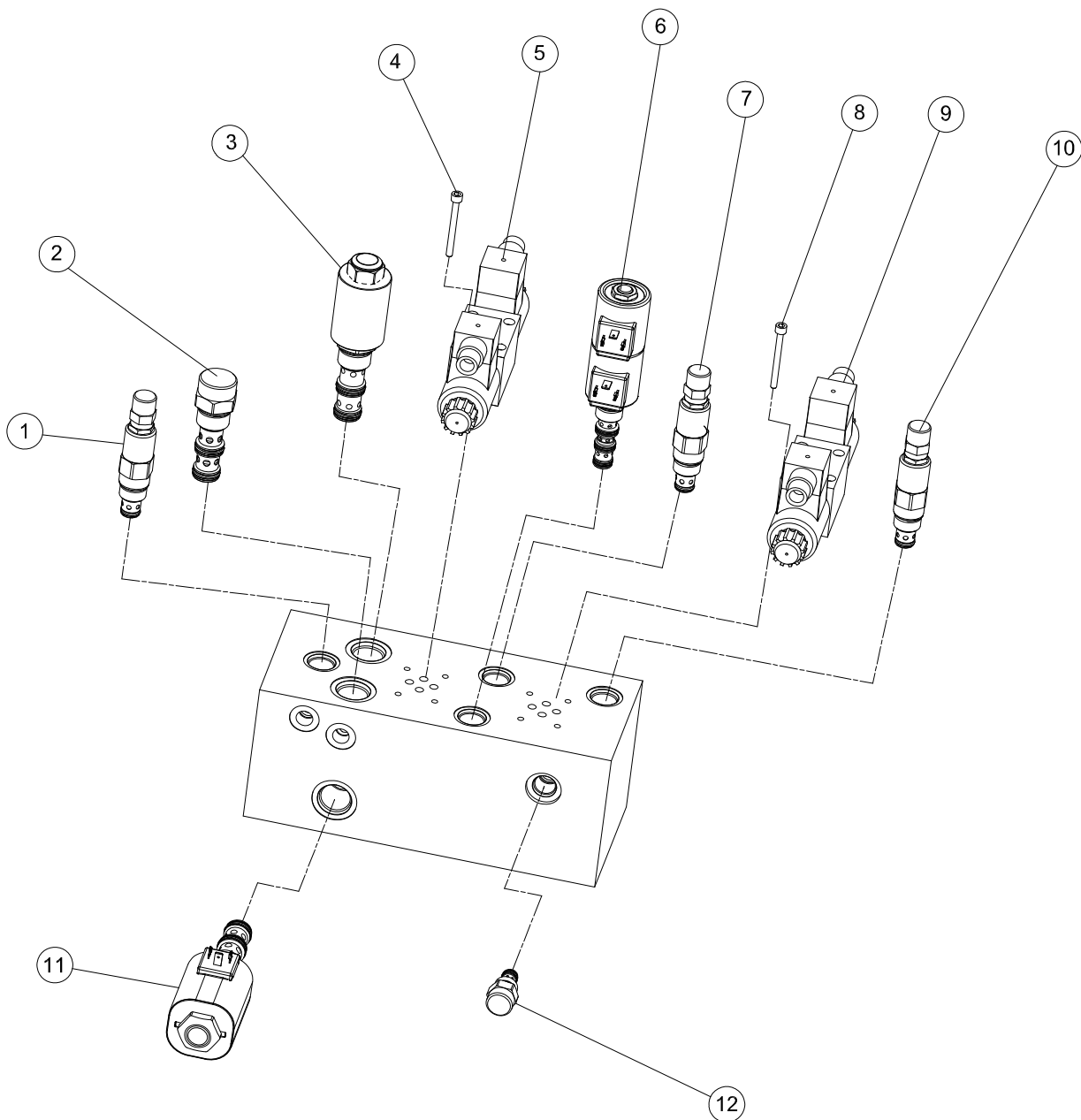
**Drive Manifold Assembly**

## Drive Manifold Assembly

[illegible]

### Drive Hydraulic Schematic

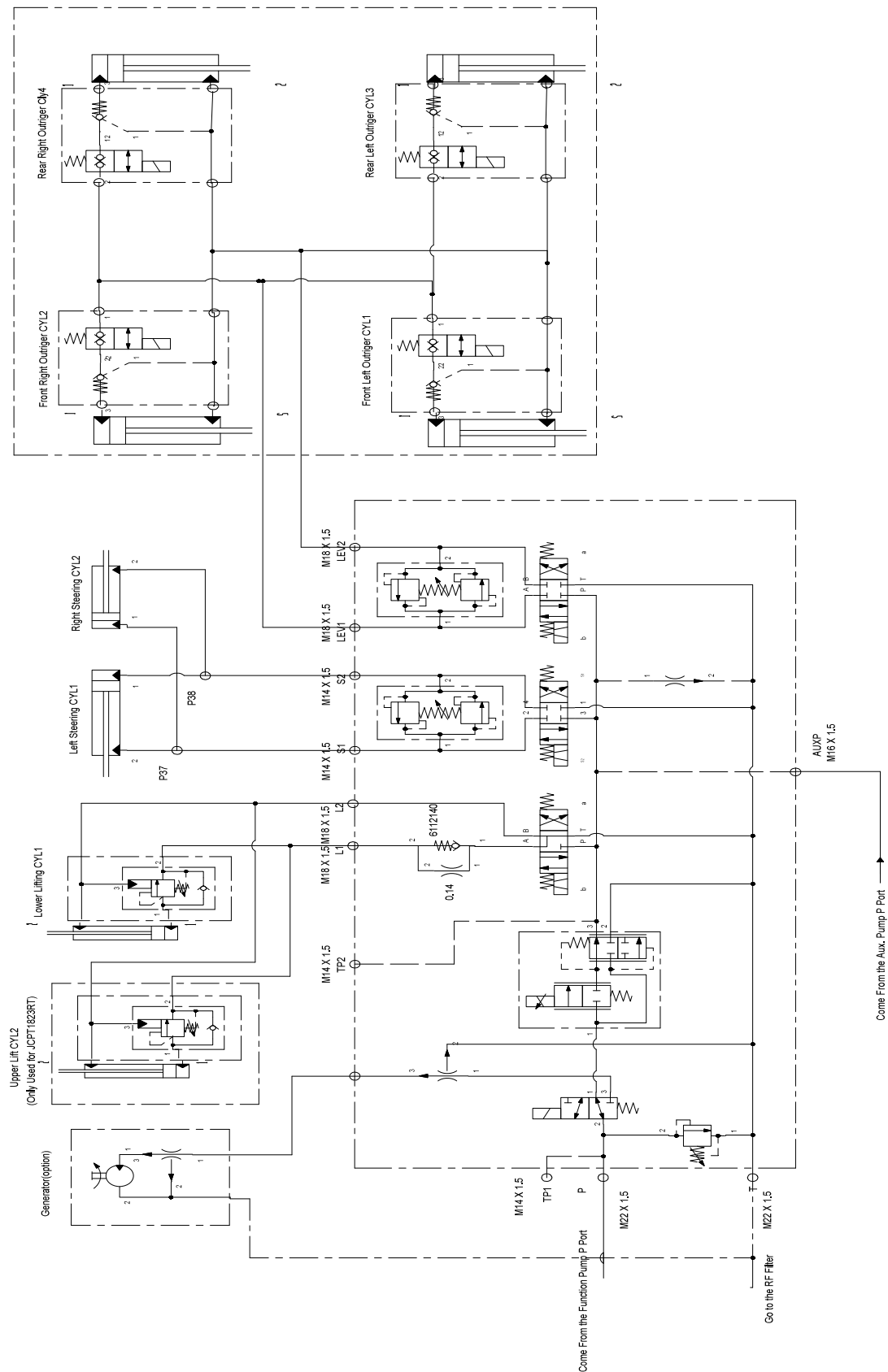


**Function Manifold Assembly**

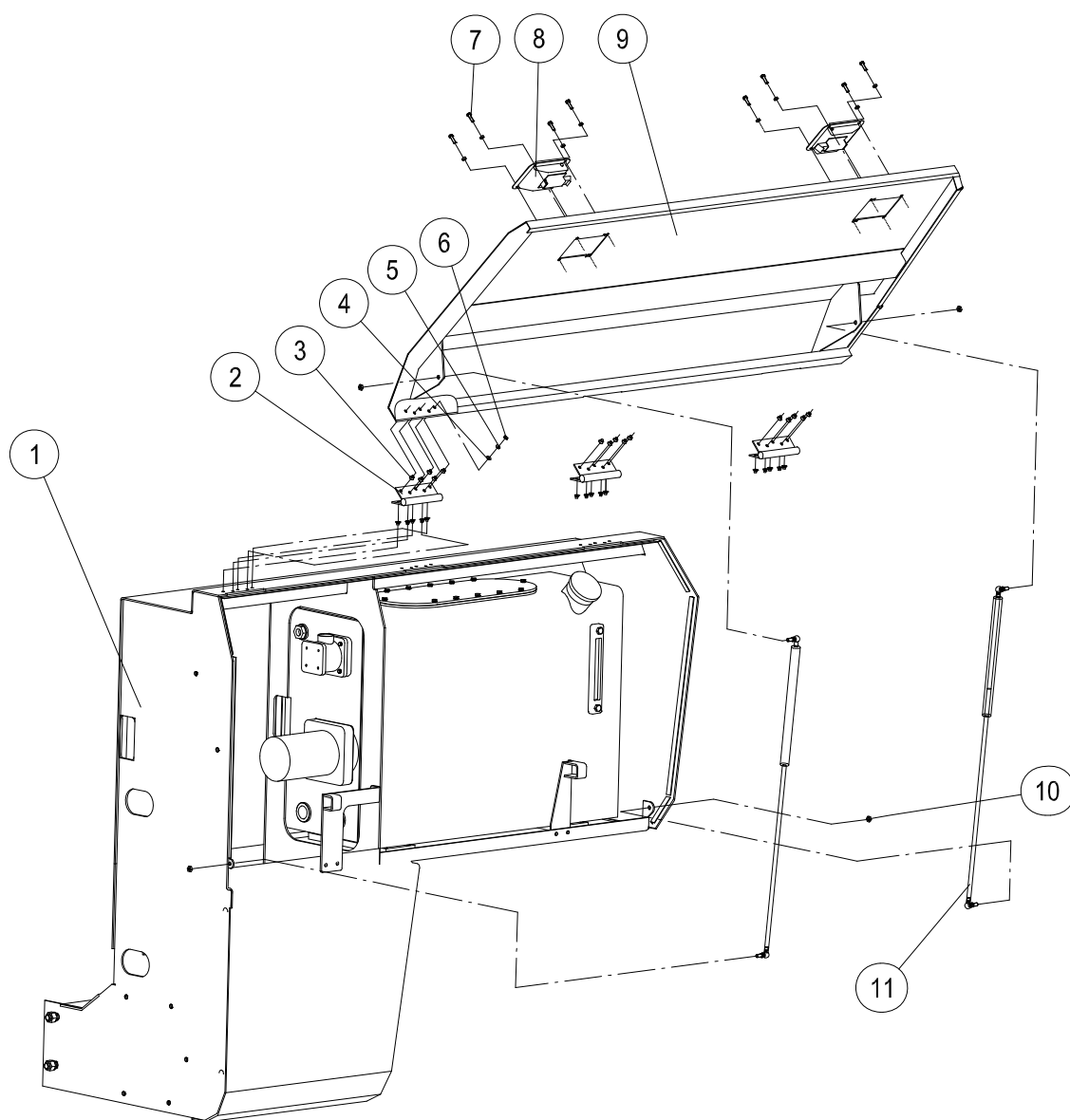
## Function Manifold Assembly

[illegible]

## Function Hydraulic Schematic



## Hydraulic Tank Tray Assembly

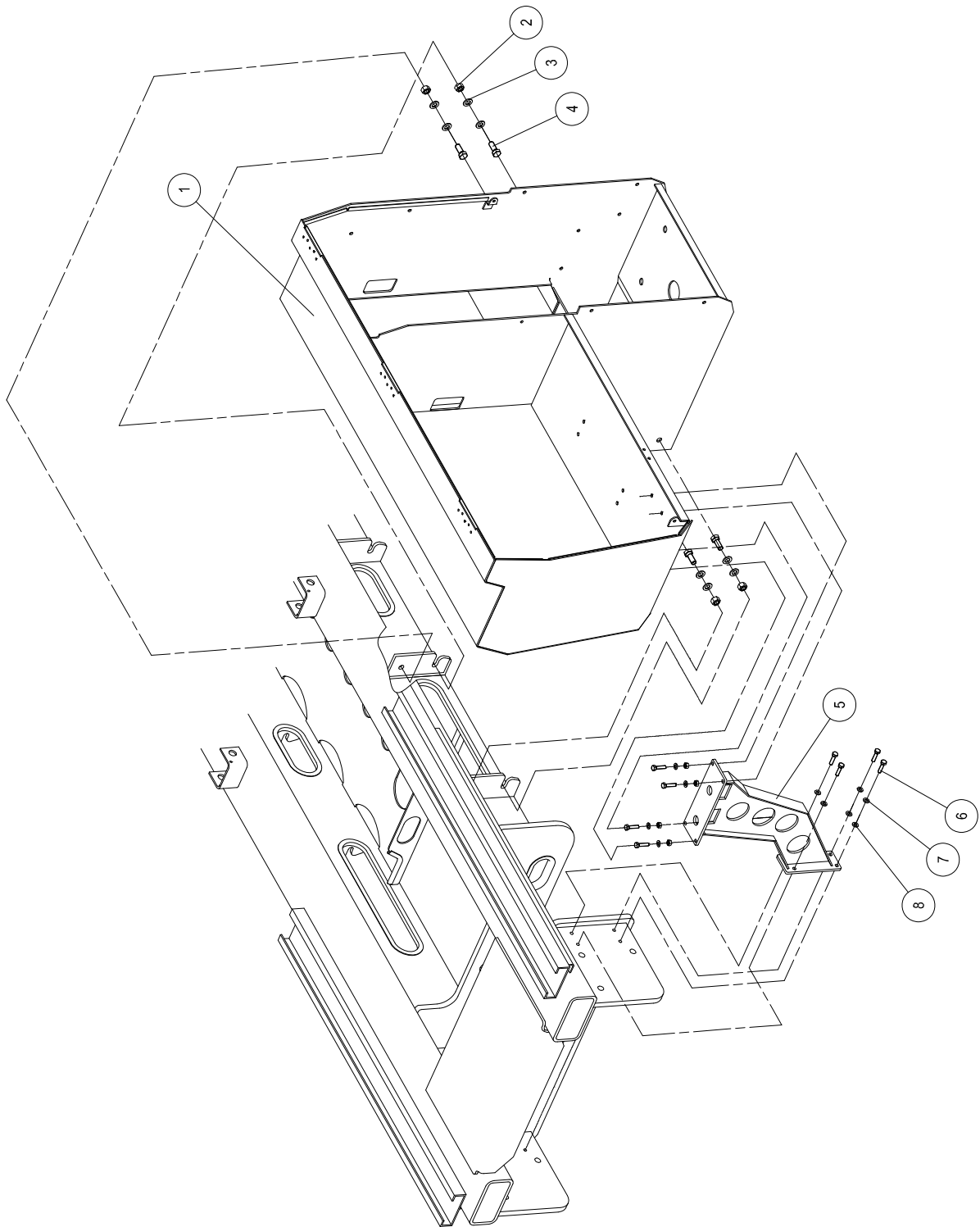


## Hydraulic Tank Tray Assembly

[illegible]

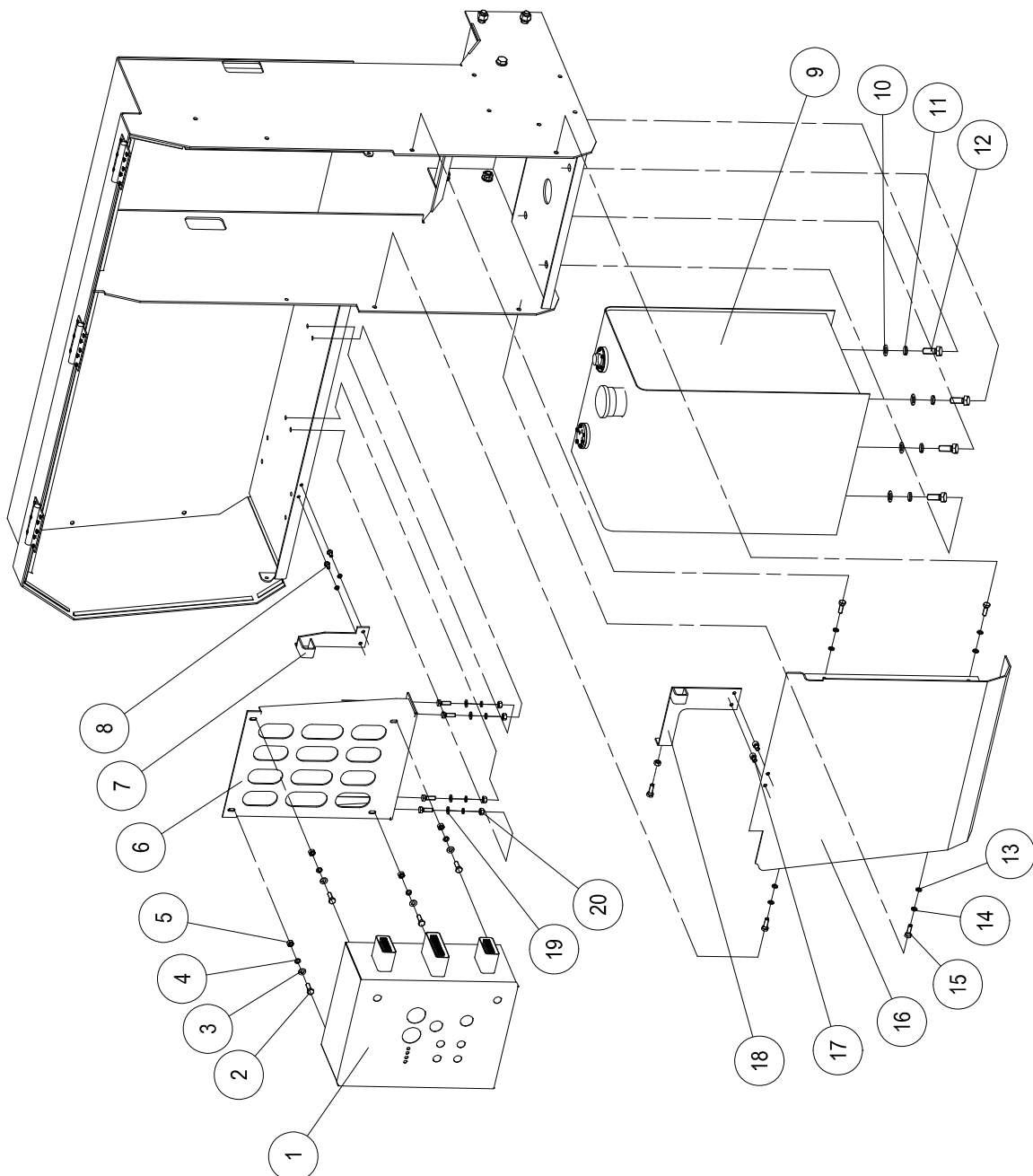


## Drive Chassis Trays and Ground Controls Tray Components



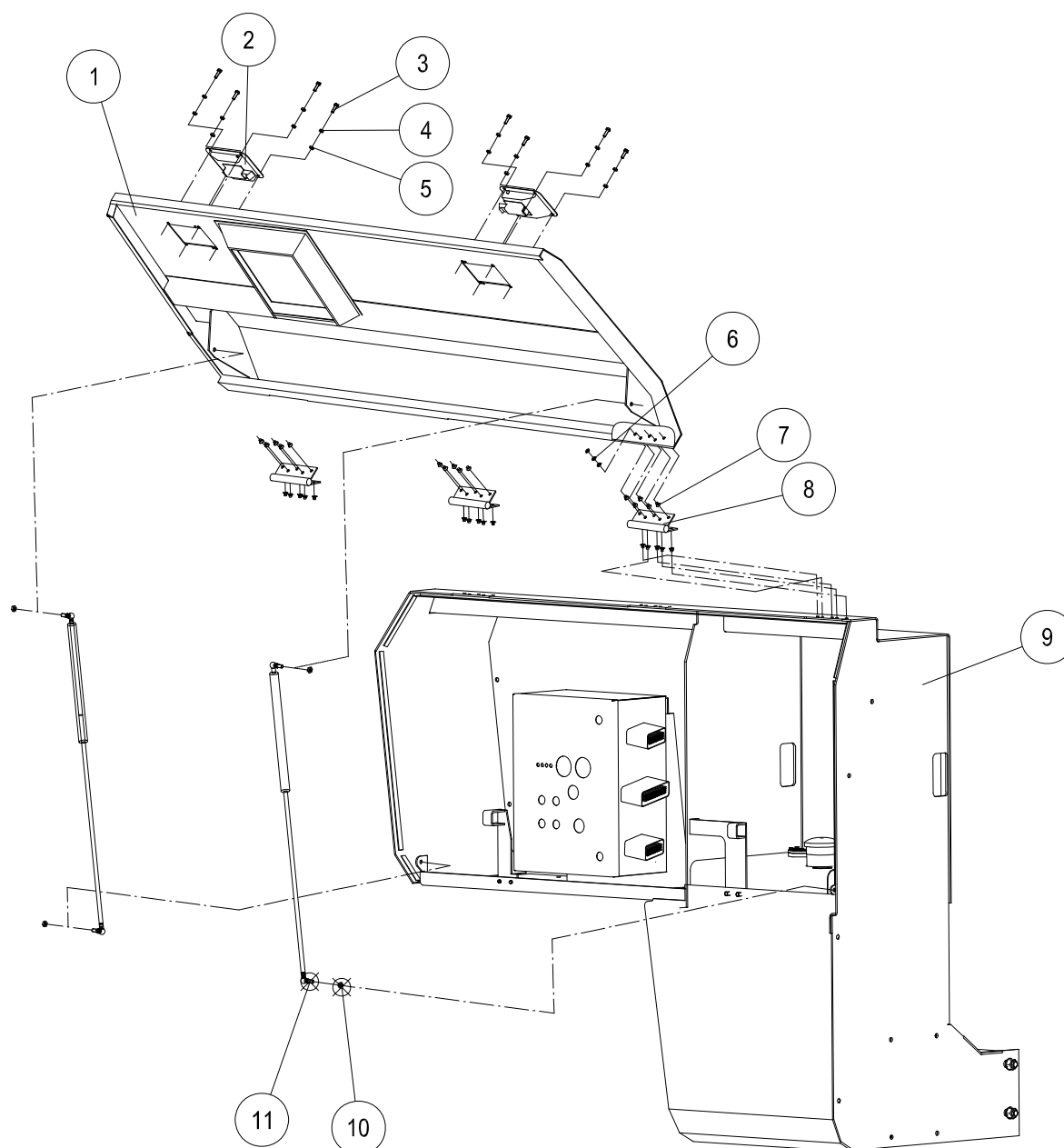
## Drive Chassis Trays and Ground Controls Tray Components

[illegible]

**Fuel Tank and Ground Controls Assembly Installation**

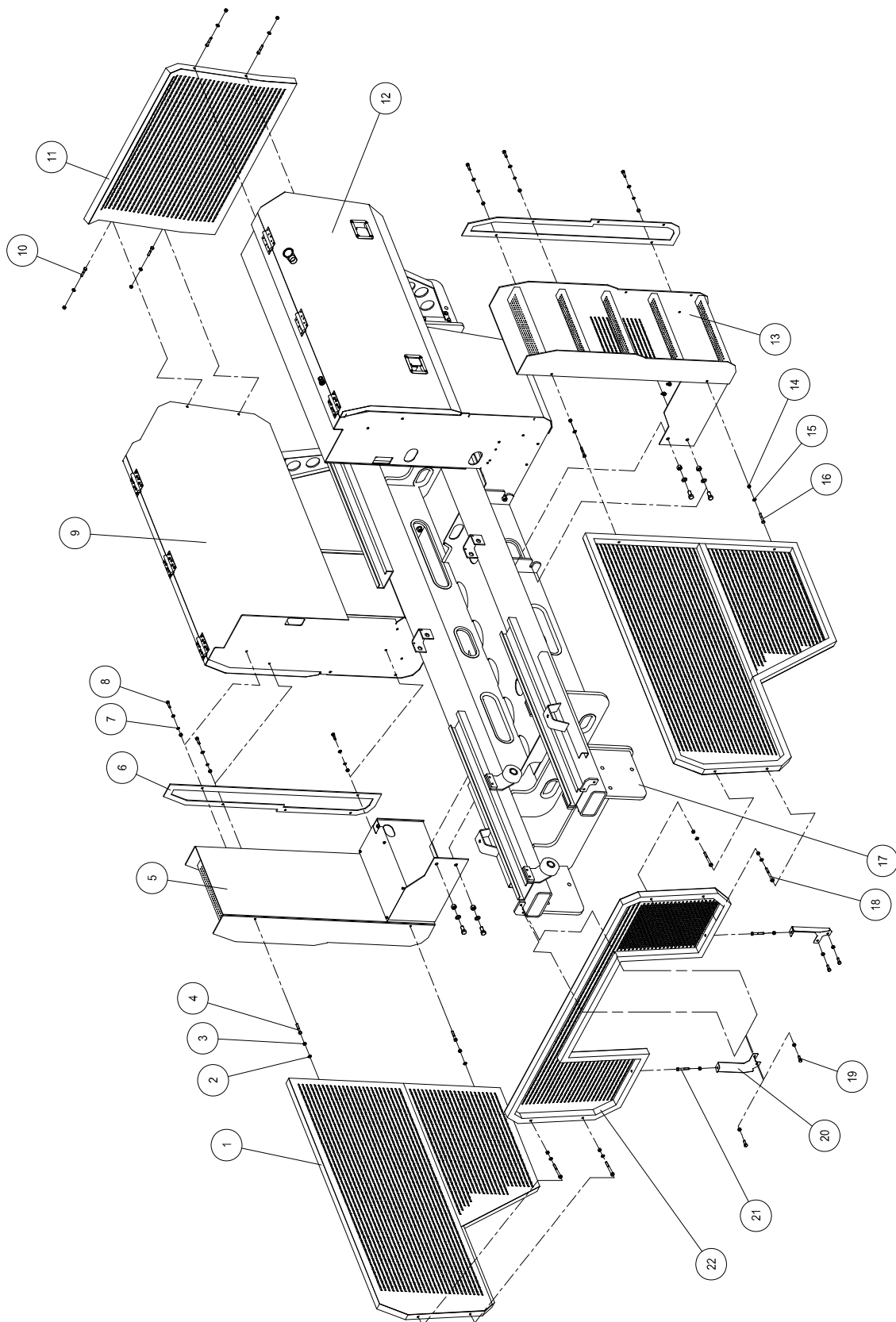
## Fuel Tank and Ground Controls Assembly Installation

[illegible]

**Ground Controls (Fuel Tank) Side Tray Assembly**

## Ground Controls (Fuel Tank) Side Tray Assembly

[illegible]

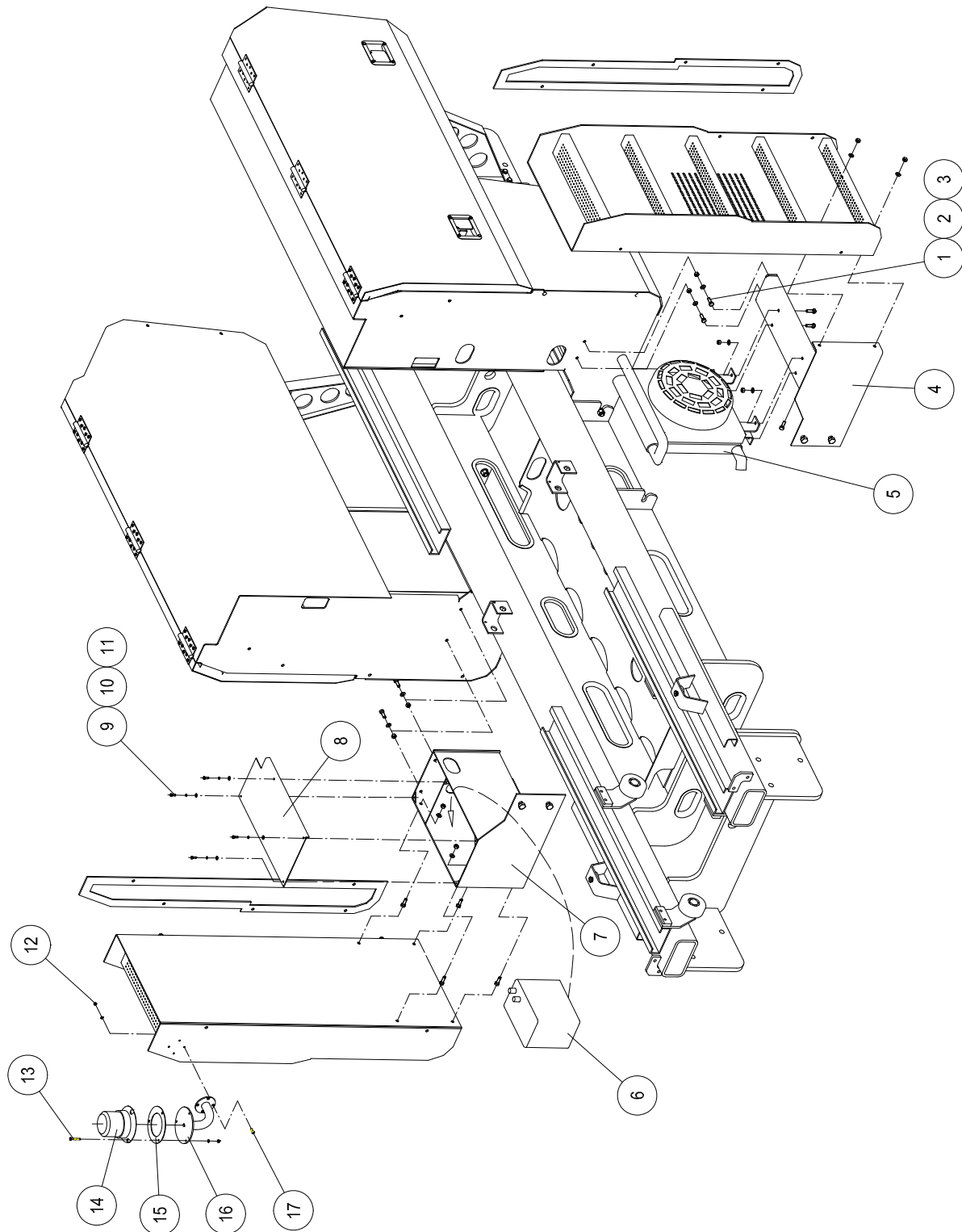
**Link Guard Assembly and Ladder Assembly**

### Link Guard Assembly and Ladder Assembly

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-10210	Link Guard Assembly	2	
2	GB/T97.1-2000	Flat Washer10	28	
3	GB/T6182-2000	Nylock NutM10	28	
4	GB/T5782-2000	Bolt M10×65	4	
5	JCPT1523RT-10320	Ladder Assembly(Ground Controls Side)	1	
6	JCPT1523RT-10314	Liner Board	2	
7	GB93-87	Circlip10	6	
8	GB/T5782-2000	Bolt M10×35	6	
9	JCPT1523RT-83000	Model Of Ground Controls Side	1	
10	GB/T5782-2000	Bolt M10×55	4	
11	JCPT1523RT-10510	Back Link Guard Assembly	1	
12	JCPT1523RT-82000	Model Of Hydraulic Tank Side	1	
13	JCPT1523RT-10310	Ladder Assembly(Hydraulic Tank Side)	1	
14	GB/T6182-2000	Nylock Nut M16	4	
15	GB/T97.1-2000	Flat Washer16	4	
16	GB/T5782-2000	Bolt M16×60	4	
17	JCPT1523RT-11000	Chassis	1	
18	GB/T5782-2000	Bolt M10×95	4	
19	GB/T5783-2000	Bolt M10×30	4	
20	JCPT1523RT-10011	Front Link Guard Bracket	2	
21	GB/T5782-2000	Bolt M10×65	2	
22	JCPT1523RT-10110	Front Link Guard	1	

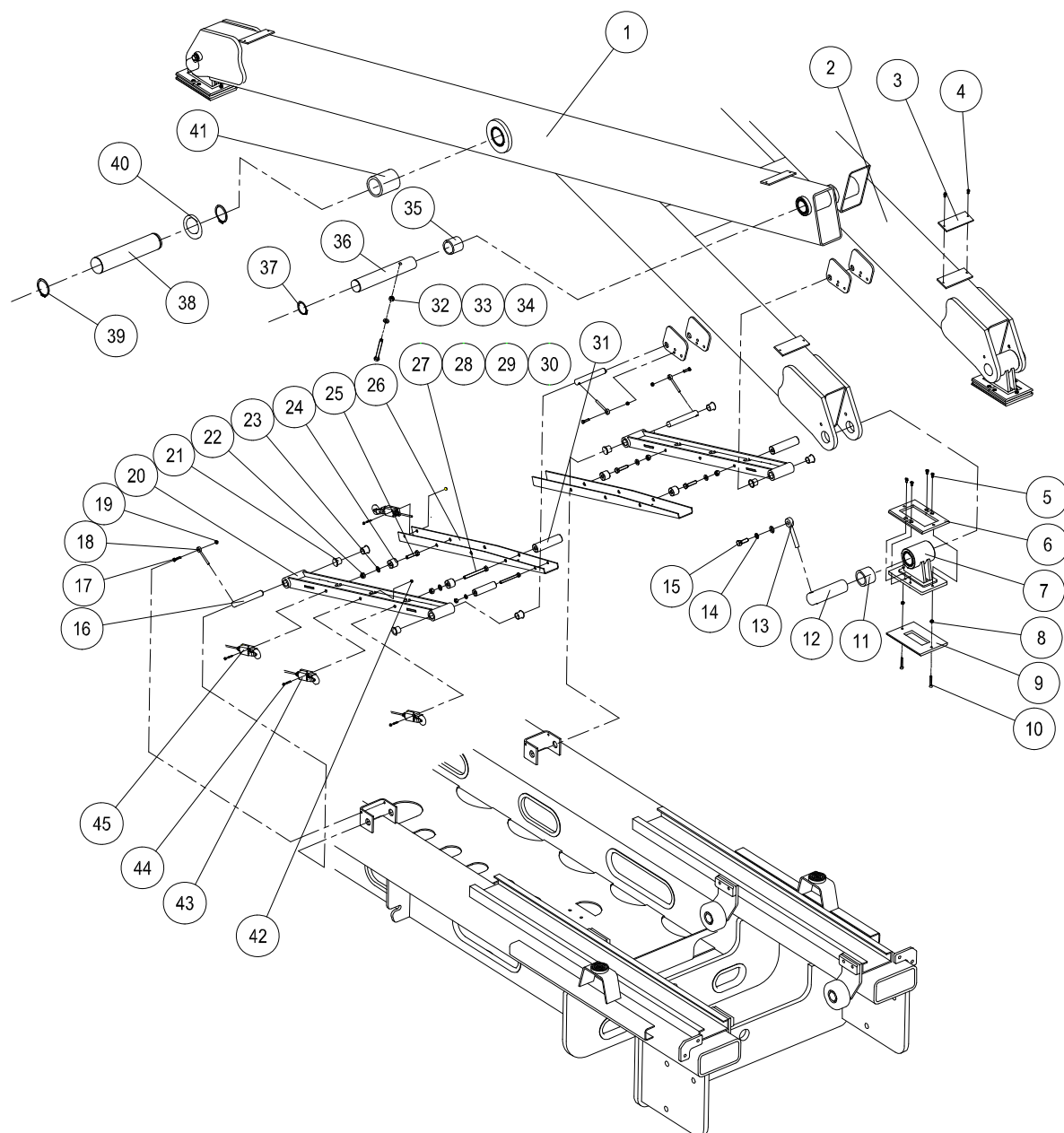


## Oil Cooler and Battery Tank Installation



## Oil Cooler and Battery Tank Installation

[illegible]

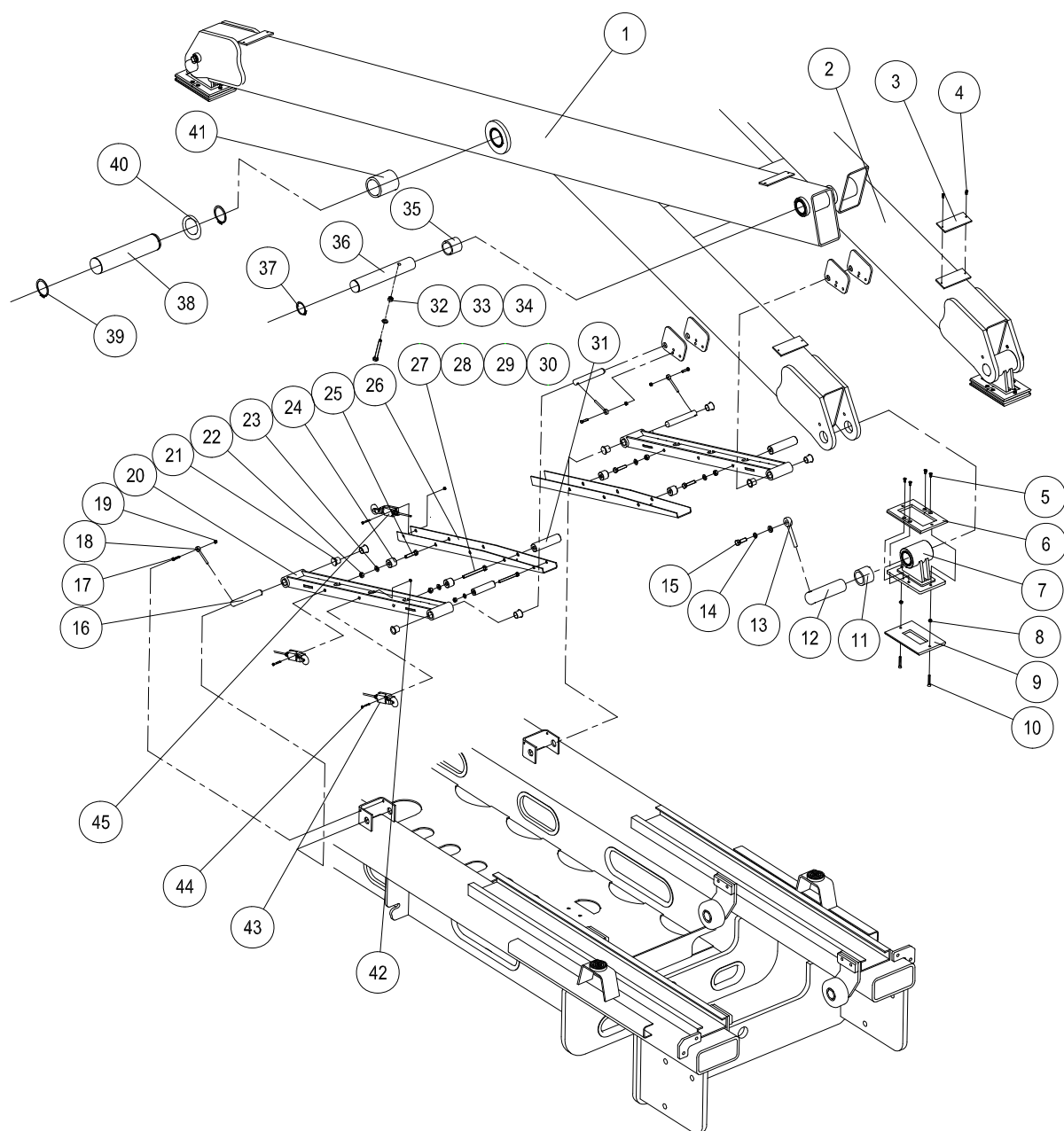
**Arm Assembly I and Chassis Components ( X43RT )**

### Arm Assembly I and Chassis Components ( X43RT )

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-31800	Outer Arm Assembly I	1	
2	JCPT1523RT-31400	Inner Arm Assembly I	2	
3	JCPT1523RT-31201	Wear Pad	24	
4	GB/T 12617-2006	Rivet 4×25	48	
5	GB/T819-2000	Screw M6×10	16	
6	JCPT1523RT-31105	Wear Pad	16	
7	JCPT1523RT-31130	Link Slider Assembly	8	
8	GB/T6182-2000	Nylock Nut M6	16	
9	JCPT1523RT-31106	Wear Pad	8	
10	GB/T819-2000	Screw M6×40	16	
11	JCPT1523RT-31006	Bearing CRG4555-40	16	
12	JCPT1523RT-31103	Pivot Pin	8	
13	JCPT1523RT-31104	Rod End 12	8	
14	GB/T93.1-2000	Circlip 12	8	
15	GB/T5783-2000	Screw M12×35	8	
16	JCPT1523RT-31101	Pin	8	
17	GB/T5783-2000	Screw M6×25	8	
18	JCPT1523RT-31102	Rod 6	8	
19	GB/T93.1-2000	Circlip 6	8	
20	JCPT1523RT-31120	Centering Link Assembly	4	
21	JCPT1523RT-31007	Bearing F-20215	16	
22	GB/T6182-2000	Nut M10	88	
23	GB/T97.1-2000	Flat Washer 10	88	
24	JCPT1523RT-31142	Spacer	8	
25	GB/T5782-2000	Bolt M10×110	8	
26	JCPT1523RT-31421	Cable Routing Bracket	4	
27	GB/T6182-2000	Nut M8	8	
28	GB/T97.1-2000	Flat Washer8	8	
29	JCPT1523RT-31423	Spacer	8	
30	GB/T5782-2000	Bolt M8×75	8	

## Arm Assembly I and Chassis Components(X43RT)

[illegible]

**Arm Assembly I and Chassis Components ( X52RT )**

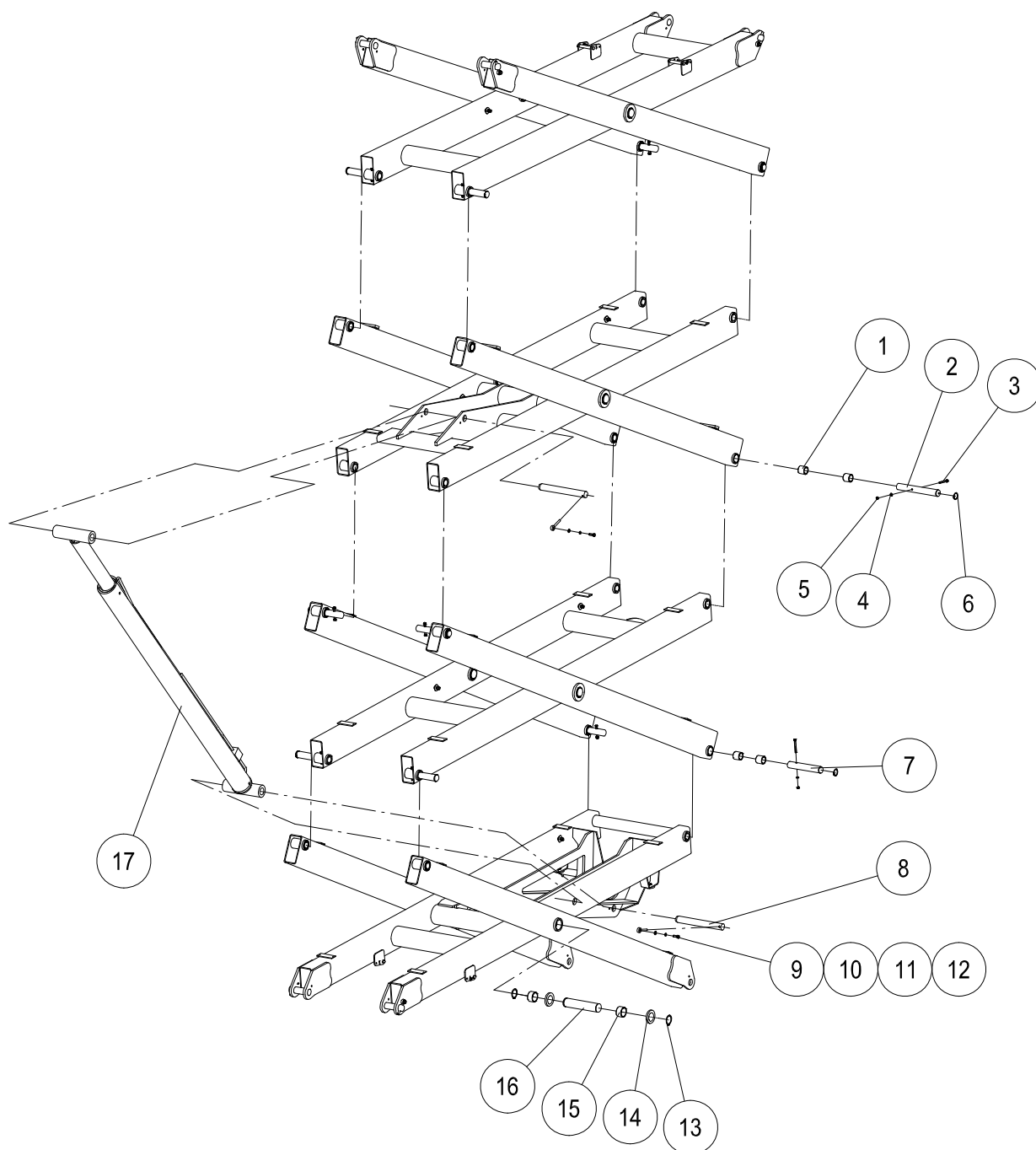
### Arm Assembly I and Chassis Components ( X52RT )

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-31800	Outer Arm Assembly I	1	
2	JCPT1523RT-31400	Inner Arm Assembly I	2	
3	JCPT1523RT-31201	Wear Pad	24	
4	GB/T 12617-2006	Rivet 4×25	48	
5	GB/T819-2000	Screw M6×10	16	
6	JCPT1523RT-31105	Wear Pad	16	
7	JCPT1523RT-31130	Link Slider Assembly	8	
8	GB/T6182-2000	Nylock Nut M6	16	
9	JCPT1523RT-31106	Wear Pad	8	
10	GB/T819-2000	Screw M6×40	16	
11	JCPT1523RT-31006	Bearing CRG4555-40	16	
12	JCPT1523RT-31103	Pivot Pin	8	
13	JCPT1523RT-31104	Rod End 12	8	
14	GB/T93.1-2000	Circlip 12	8	
15	GB/T5783-2000	Screw M12×35	8	
16	JCPT1523RT-31101	Pin	8	
17	GB/T5783-2000	Screw M6×25	8	
18	JCPT1523RT-31102	Rod 6	8	
19	GB/T93.1-2000	Circlip 6	8	
20	JCPT1523RT-31120	Centering Link Assembly	4	
21	JCPT1523RT-31007	Bearing F-20215	16	
22	GB/T6182-2000	Nut M10	88	
23	GB/T97.1-2000	Flat Washer 10	88	
24	JCPT1523RT-31142	Spacer	8	
25	GB/T5782-2000	Bolt M10×110	8	
26	JCPT1523RT-31421	Cable Routing Bracket	4	
27	GB/T6182-2000	Nut M8	8	
28	GB/T97.1-2000	Flat Washer8	8	
29	JCPT1523RT-31423	Spacer	8	
30	GB/T5782-2000	Bolt M8×75	8	

## Arm Assembly I and Chassis Components(X52RT)

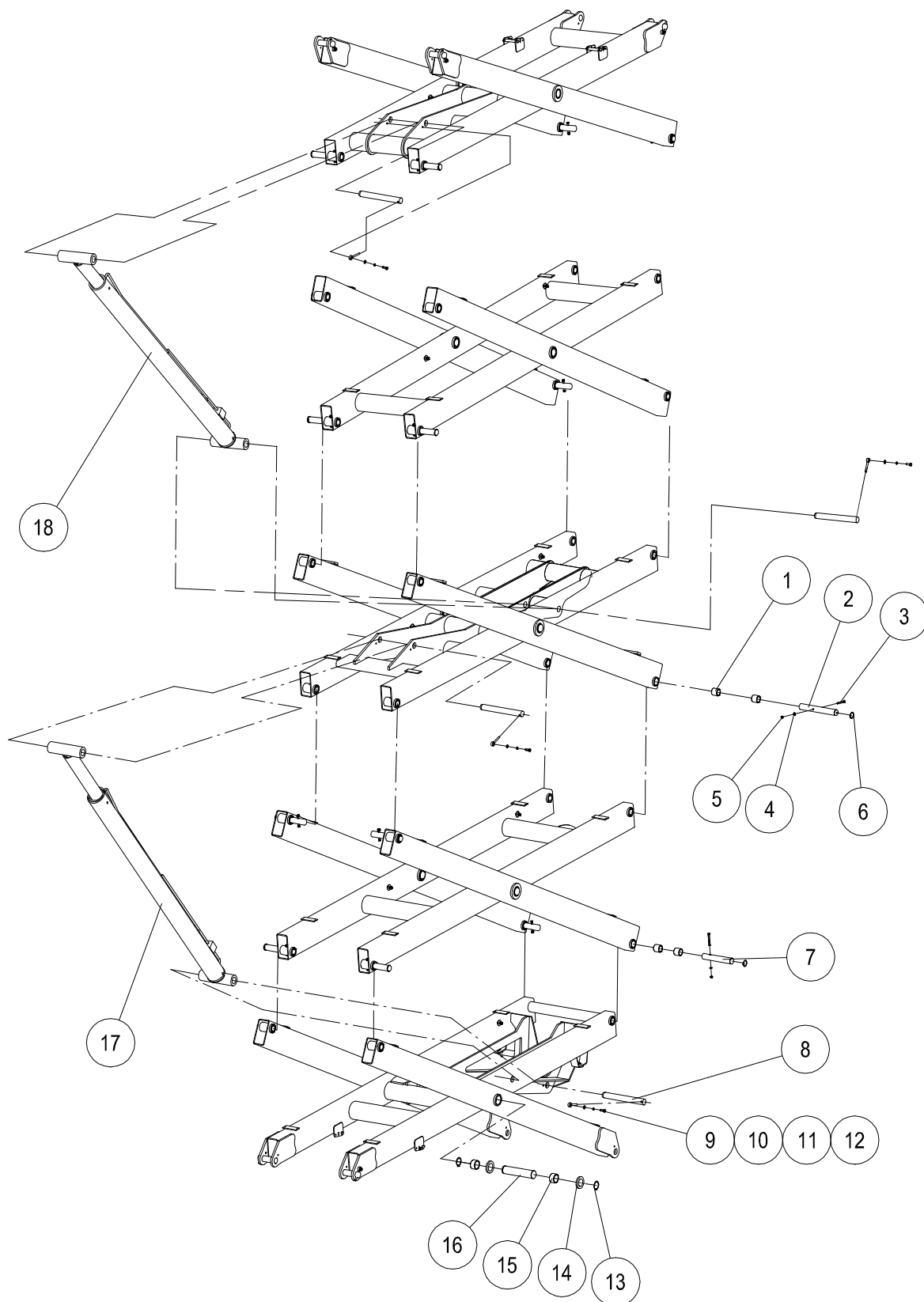
[illegible]



**Lift Cylinder Assembly and Scissor Components(X43RT)**

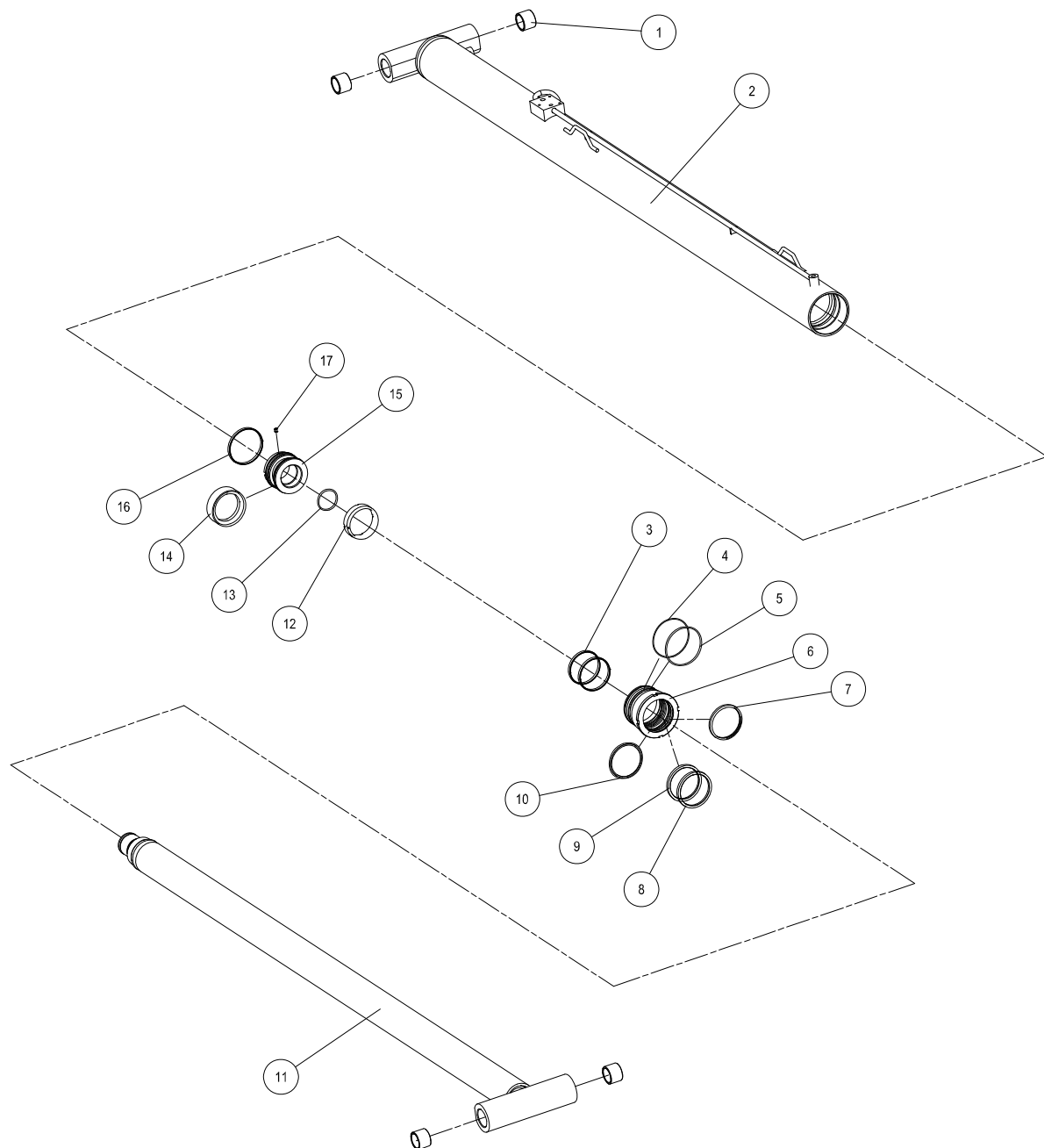
## Lift Cylinder Assembly and Scissor Components(X43RT)

[illegible]

**Lift Cylinder Assembly and Scissor Components(X52RT)**

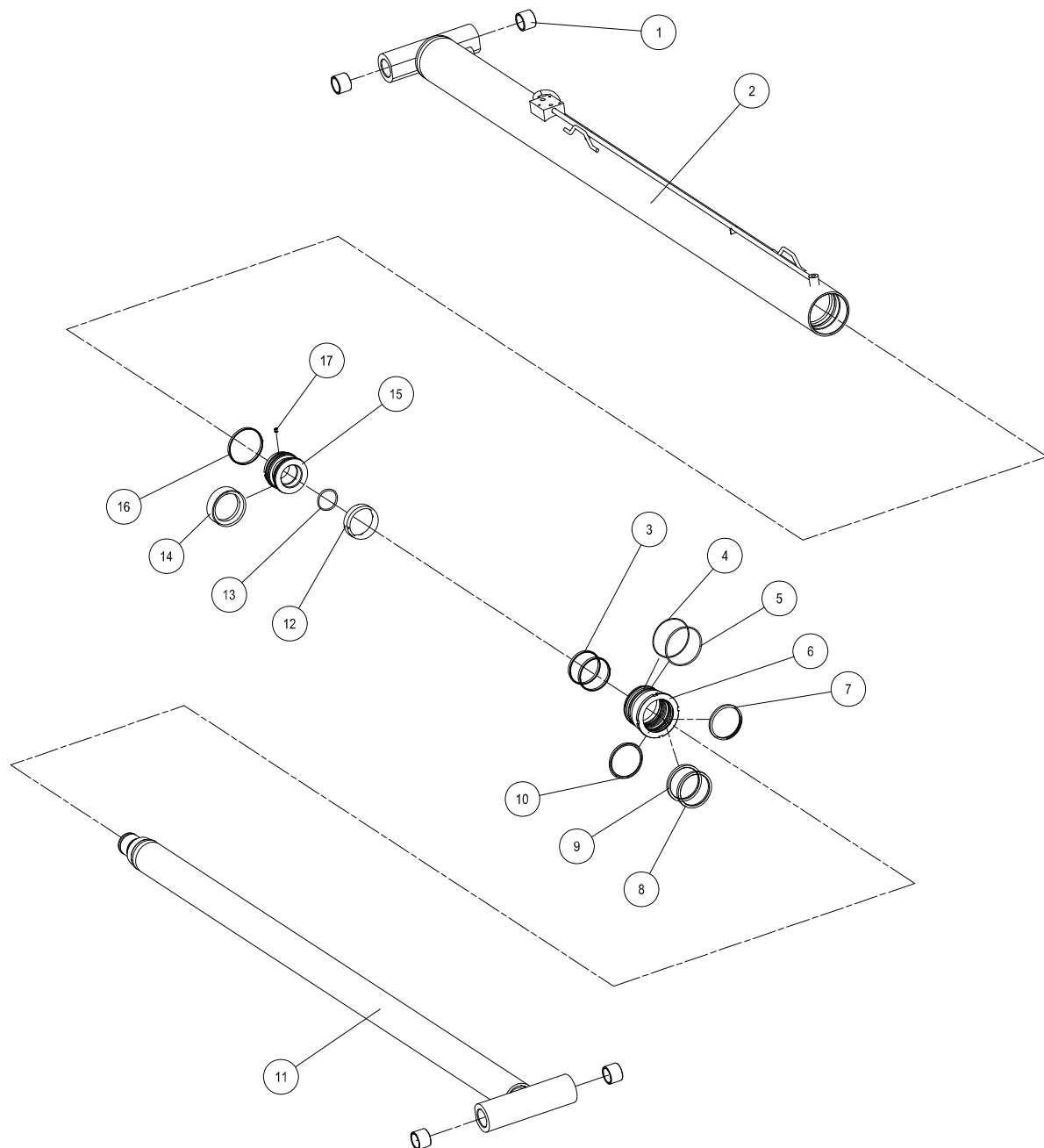
## Lift Cylinder Assembly and Scissor Components(X52RT)

[illegible]

**Lift Cylinder Assembly(X43RT)**

## Lift Cylinder Assembly(X43RT)

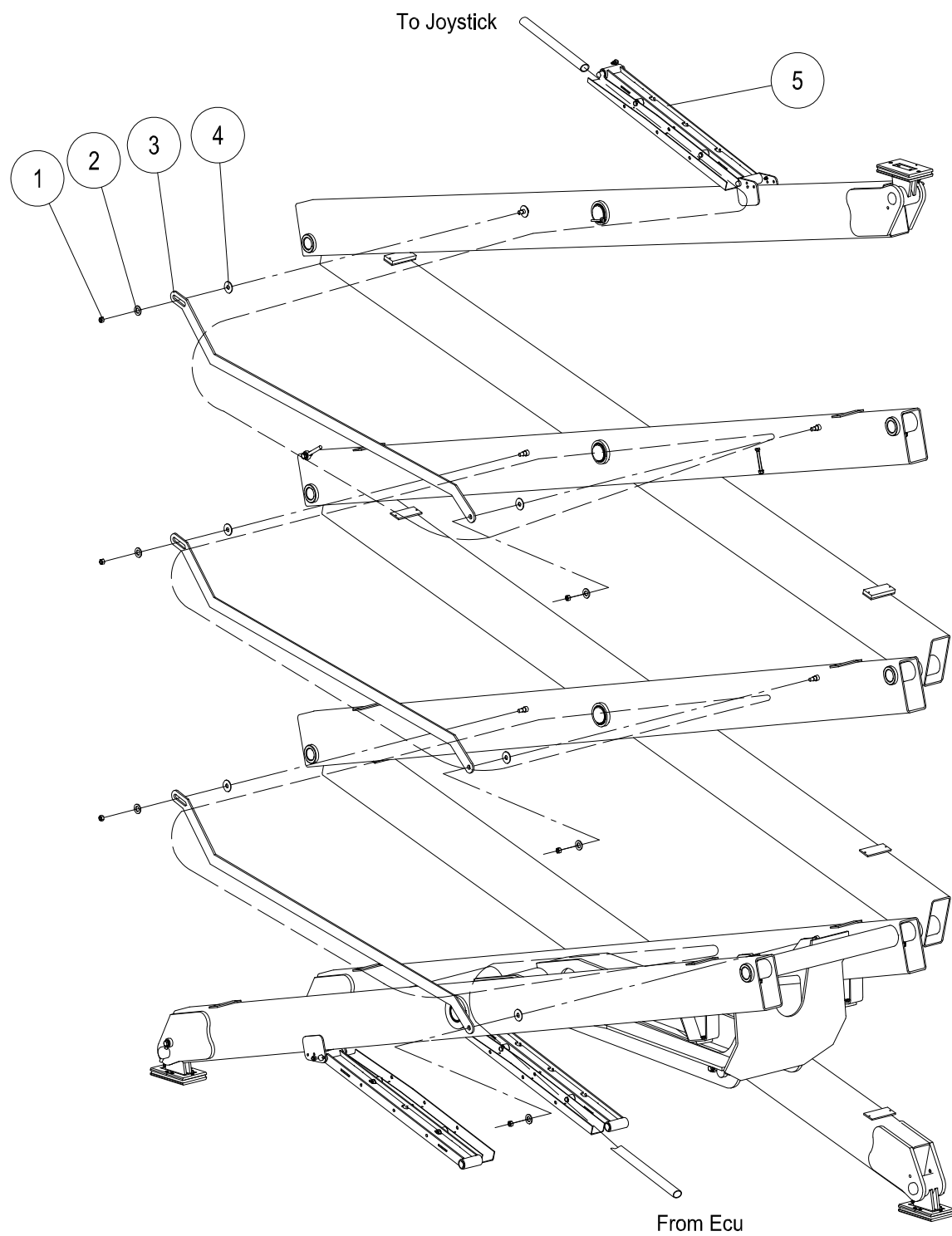
[illegible]

**Lift Cylinder Assembly(X52RT)**

## Lift Cylinder Assembly(X52RT)

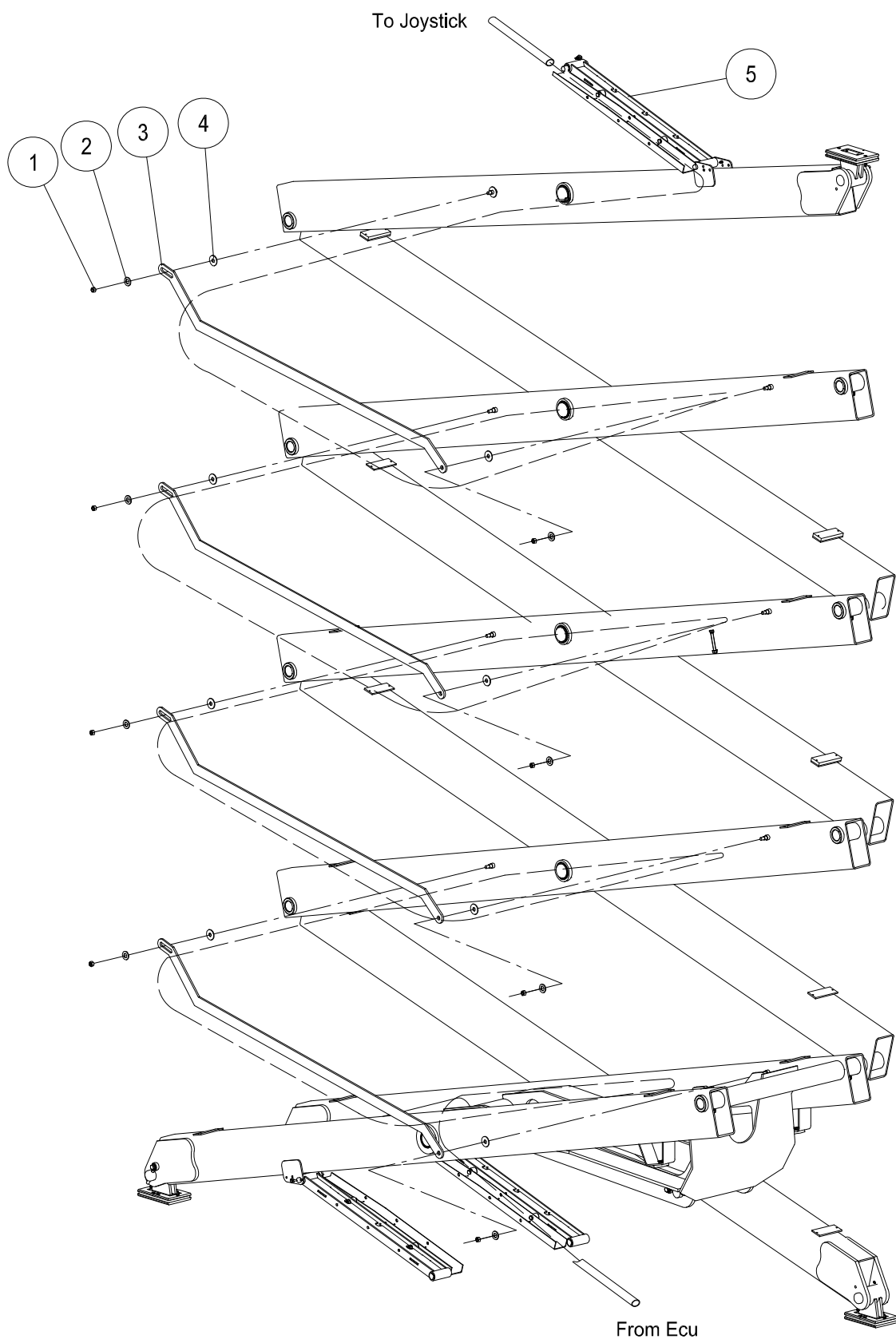
[illegible]



**Cable Bracket Assembly and Scissor Components(X43RT)**

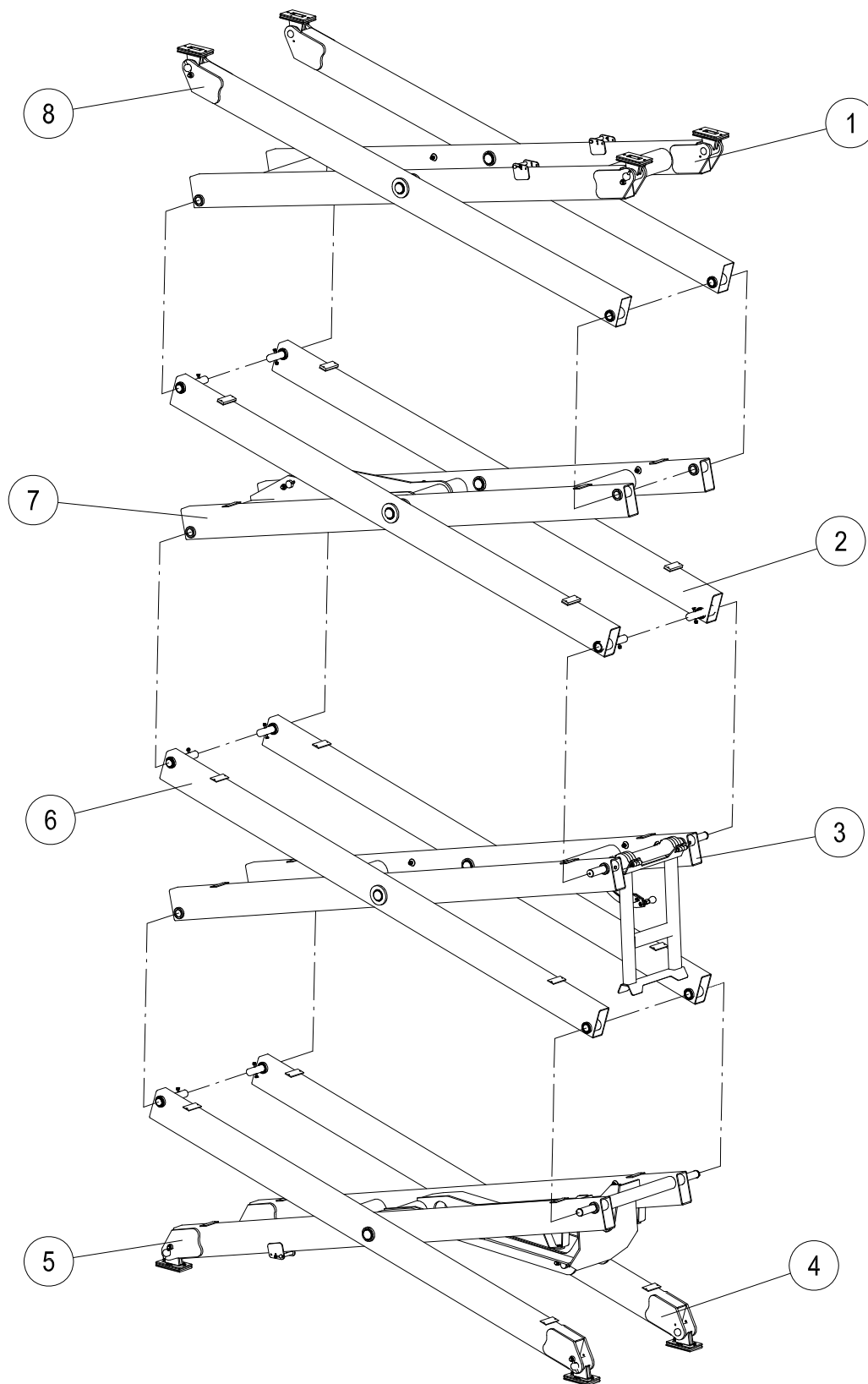
## Cable Bracket Assembly and Scissor Components(X43RT)

[illegible]

**Cable Bracket Assembly and Scissor Components(X52RT)**

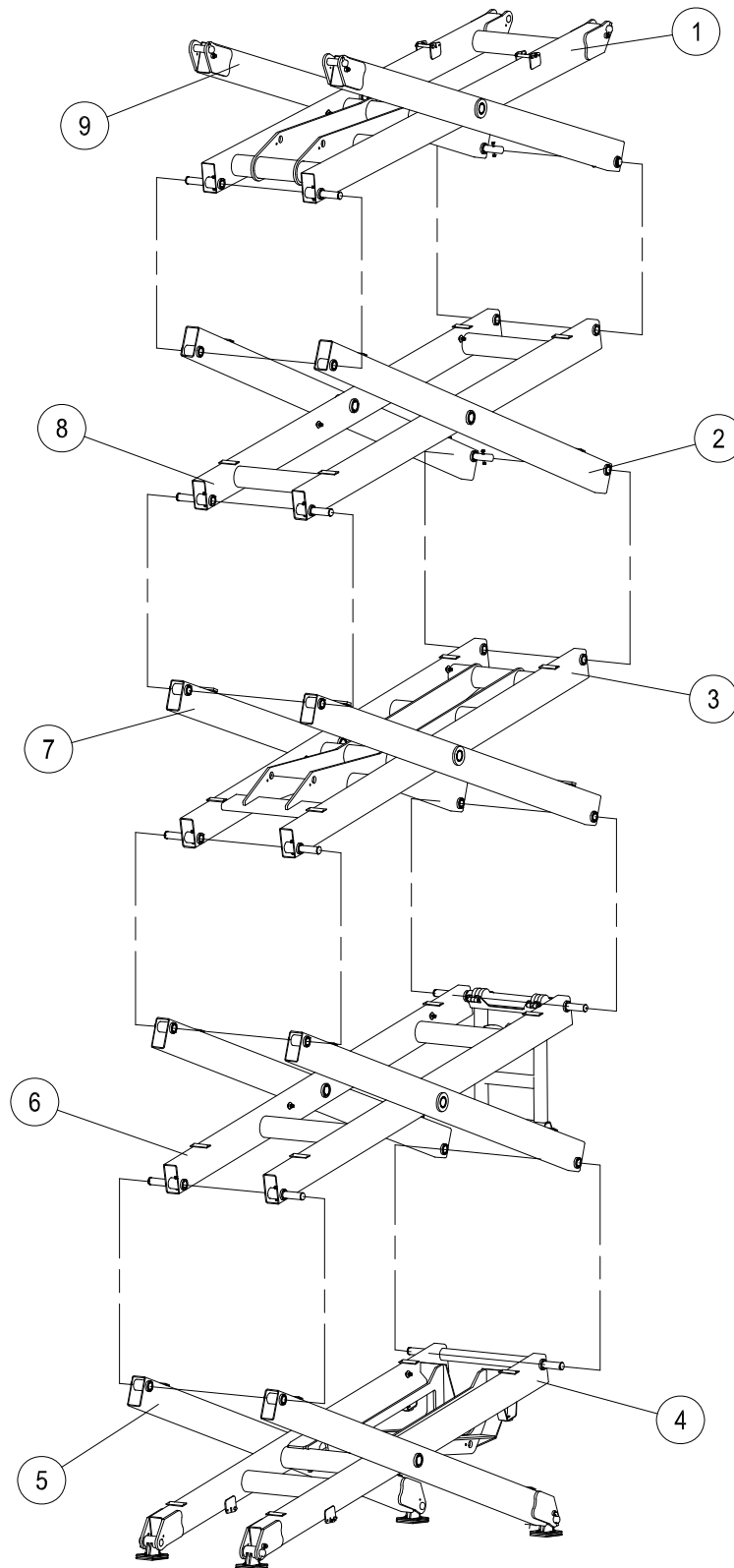
## Cable Bracket Assembly and Scissor Components(X52RT)

[illegible]

**Scissor Components(X43RT)**

## Scissor Components(X43RT)

[illegible]

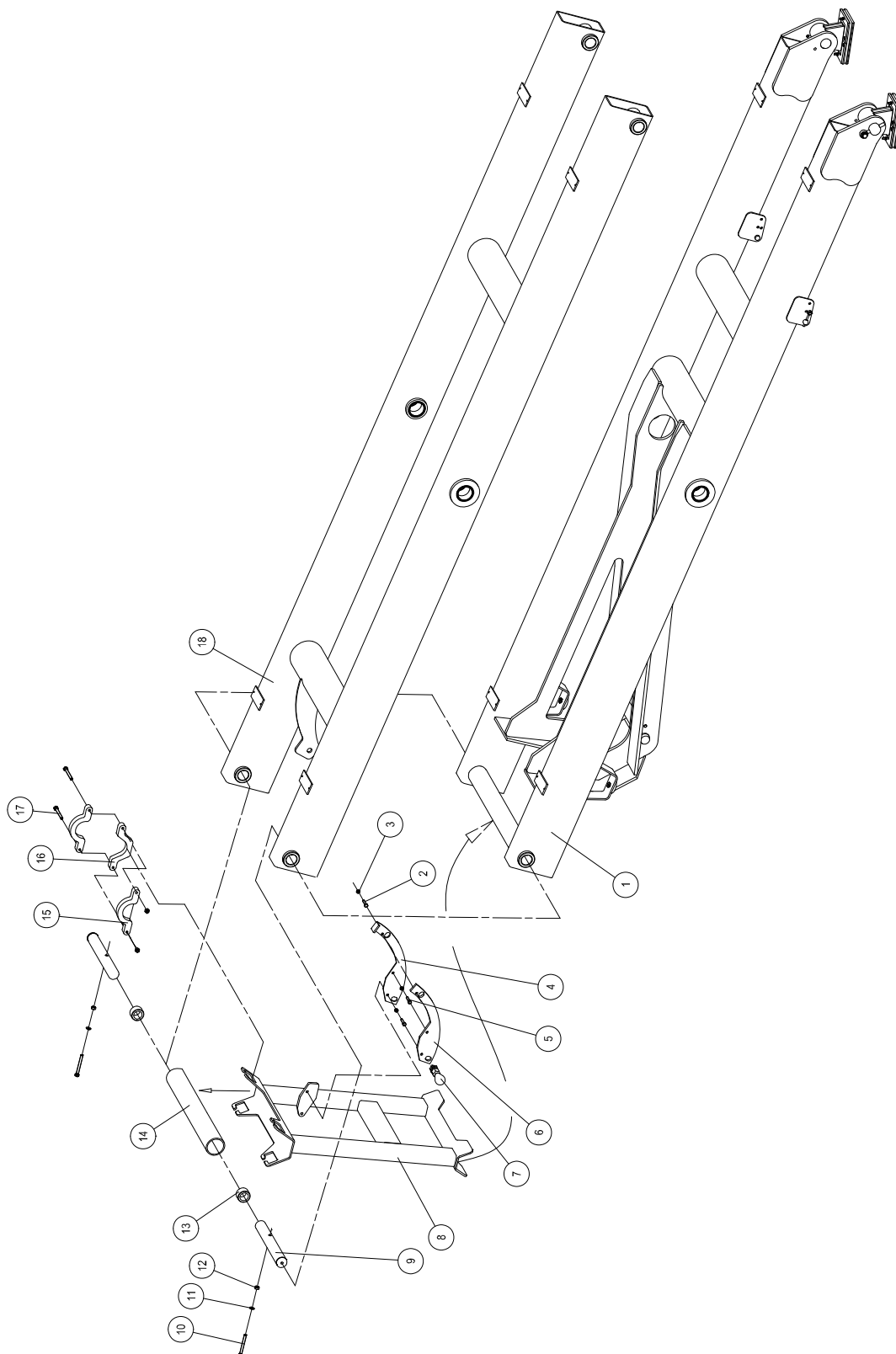
**Scissor Components(X52RT)**

## Scissor Components(X52RT)

[illegible]

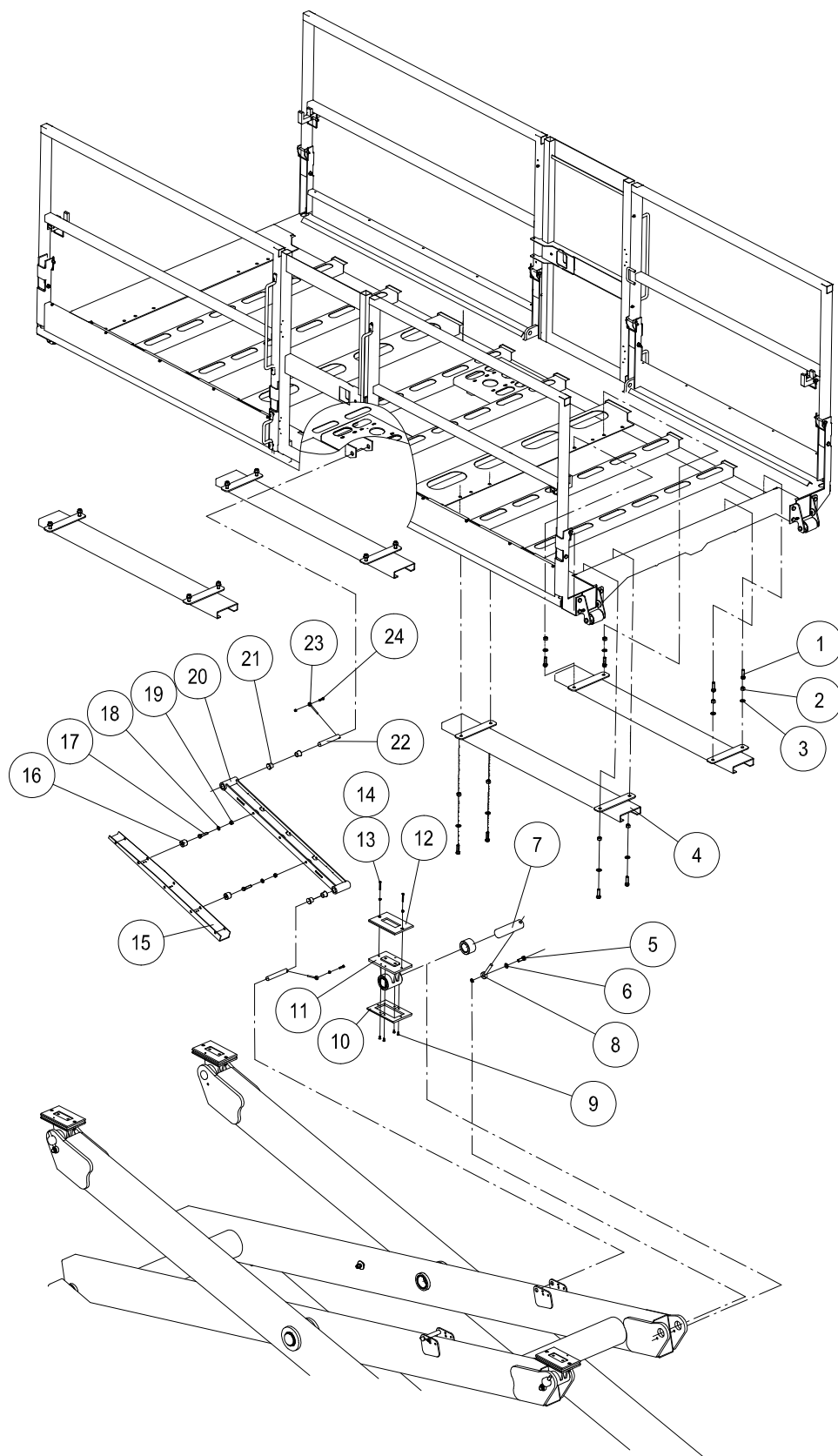


## Safety Arm Components



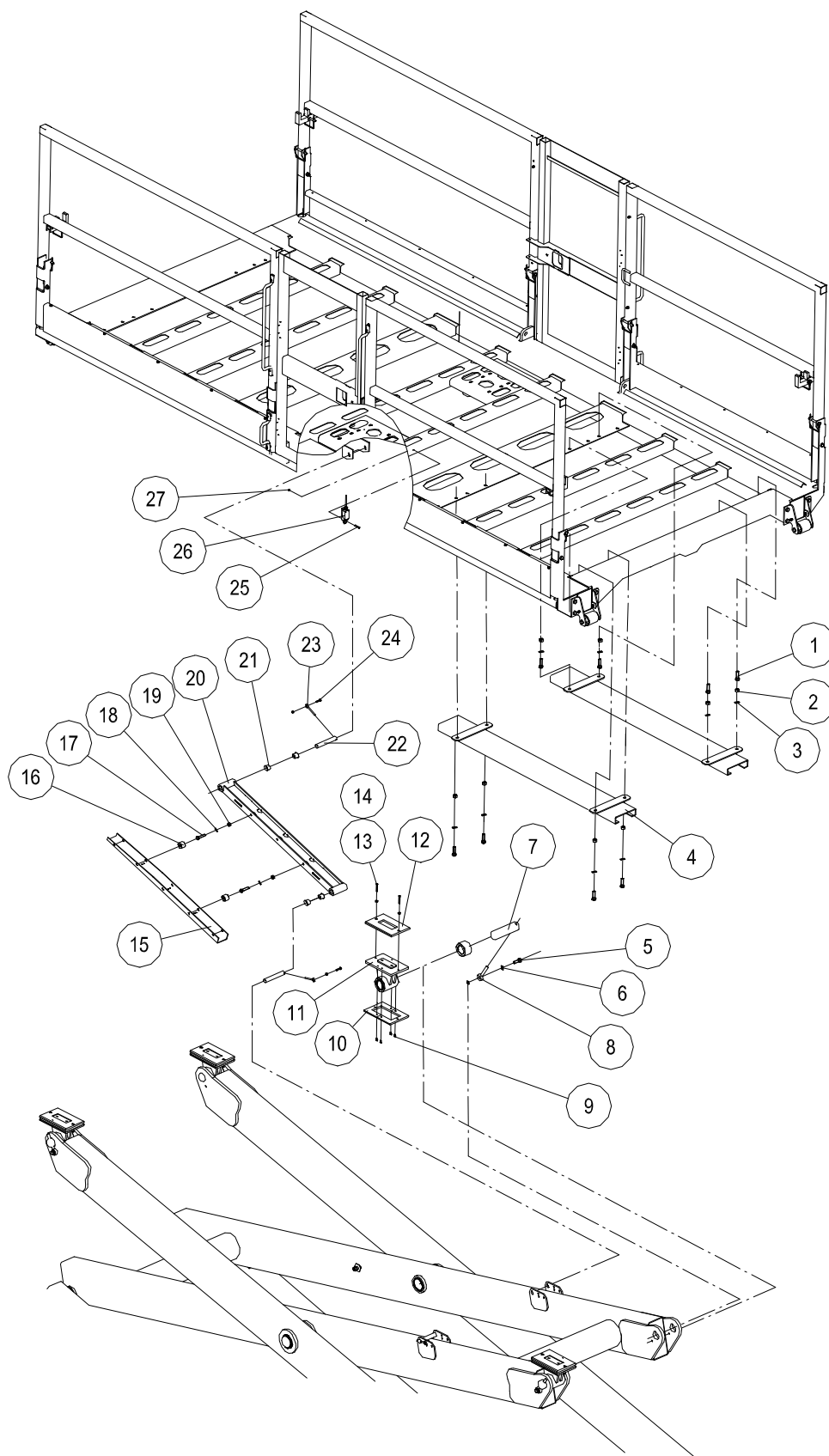
## Safety Arm Components

[illegible]

**Platform Installation ( X43RT )**

### Platform Installation ( X43RT )

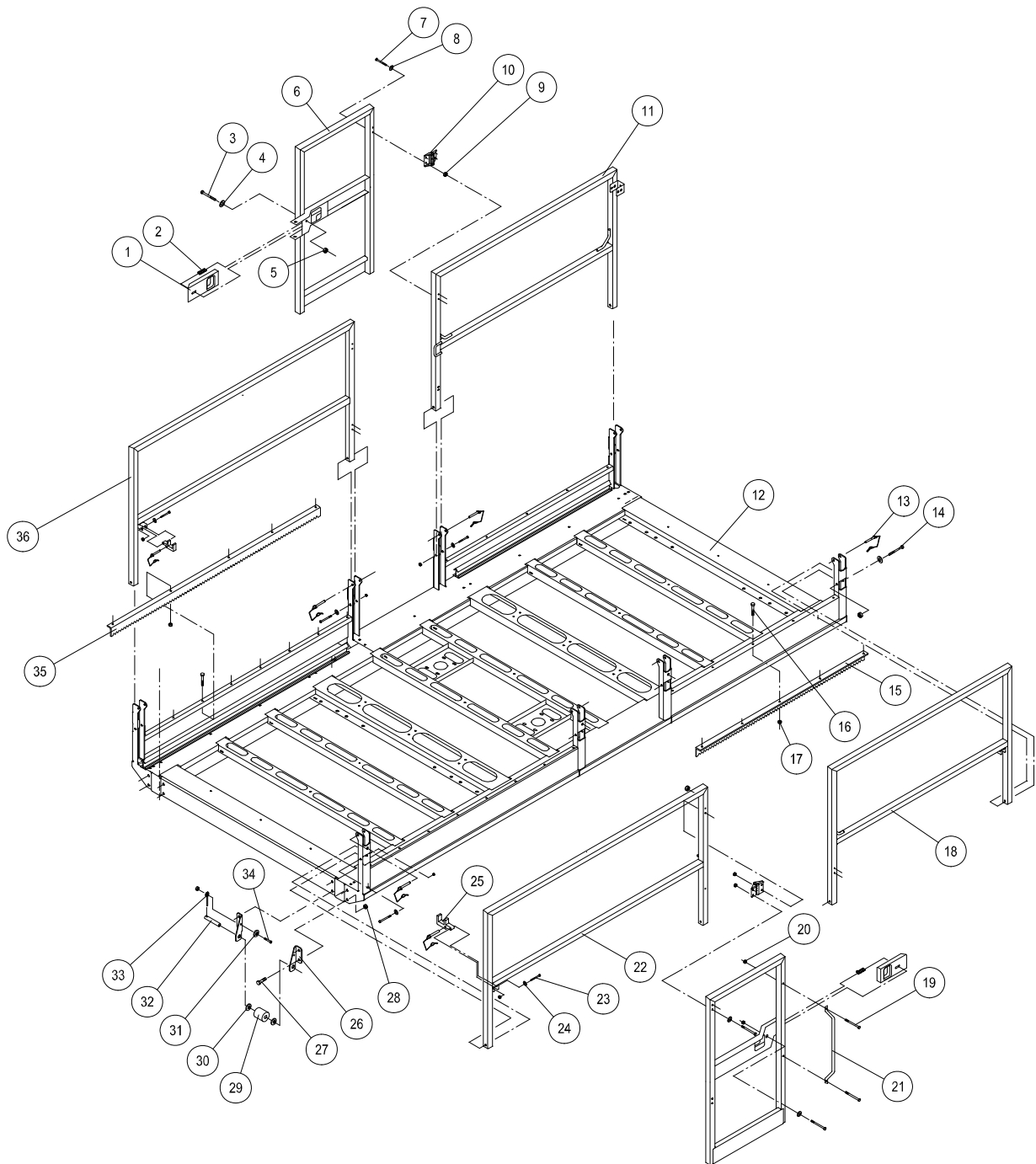
No.	Parts No.	Description	Qty.	Remark
1	GB/T5783-2000	Bolt M12×40	16	
2	GB/T6182-2000	Flat Washer 12	16	
3	GB/T97.1-2000	Nylock Nut M12	16	
4	JCPT1523RT-31900	Slider Channel Up Date Kit	4	
5	GB/T5783-2000	Bolt M12×35	4	
6	GB/T93.1-2000	Circlip 12	4	
7	JCPT1523RT-31103	Pivot Pin	4	
8	JCPT1523RT-31104	Rod End 12	4	
9	GB/T819-2000	Screw M6×10	4	
10	JCPT1523RT-31105	Wear Pad	4	
11	JCPT1523RT-31130	Link Slider Assembly	4	
12	JCPT1523RT-31106	Wear Pad	4	
13	GB/T6182-2000	Nylock Nut M6	12	
14	GB/T819-2000	Screw M6×40	8	
15	JCPT1523RT-31141	Cable Routing Bracket	1	
16	JCPT1523RT-31142	Spacer	2	
17	GB/T5783-2000	Bolt M10×45	2	
18	GB/T97.1-2000	Flat Washer 10	2	
19	GB/T6182-2000	Nut M10	2	
20	JCPT1523RT-31120	Centering Link Assembly	1	
21	JCPT1523RT-31007	Bearing F-20215	8	
22	JCPT1523RT-31101	Pin	4	
23	JCPT1523RT-31102	Rod 6	4	
24	GB/T5783-2000	Bolt M6×25	4	

**Platform Installation ( X52RT )**

### Platform Installation ( X52RT )

No.	Parts No.	Description	Qty.	Remark
1	GB/T5783-2000	Bolt M12×40	16	
2	GB/T6182-2000	Flat Washer 12	16	
3	GB/T97.1-2000	Nylock Nut M12	16	
4	JCPT1523RT-31900	Slider Channel Up Date Kit	4	
5	GB/T5783-2000	Bolt M12×35	4	
6	GB/T93.1-2000	Circlip 12	4	
7	JCPT1523RT-31103	Pivot Pin	4	
8	JCPT1523RT-31104	Rod End 12	4	
9	GB/T819-2000	Screw M6×10	4	
10	JCPT1523RT-31105	Wear Pad	4	
11	JCPT1523RT-31130	Link Slider Assembly	4	
12	JCPT1523RT-31106	Wear Pad	4	
13	GB/T6182-2000	Nylock Nut M6	12	
14	GB/T819-2000	Screw M6×40	8	
15	JCPT1523RT-31141	Cable Routing Bracket	1	
16	JCPT1523RT-31142	Spacer	2	
17	GB/T5783-2000	Bolt M10×45	2	
18	GB/T97.1-2000	Flat Washer 10	2	
19	GB/T6182-2000	Nut M10	2	
20	JCPT1523RT-31120	Centering Link Assembly	1	
21	JCPT1523RT-31007	Bearing F-20215	8	
22	JCPT1523RT-31101	Pin	4	
23	JCPT1523RT-31102	Rod 6	4	
24	GB/T5783-2000	Bolt M6×25	4	
25	GB/T5782-2000	Bolt M4×30	4	
26	TZ-8111	Limit Switch	1	
27	GB/T6182-2000	Nylock Nut M4	4	

## Platform Rails and Entry Gates Installation



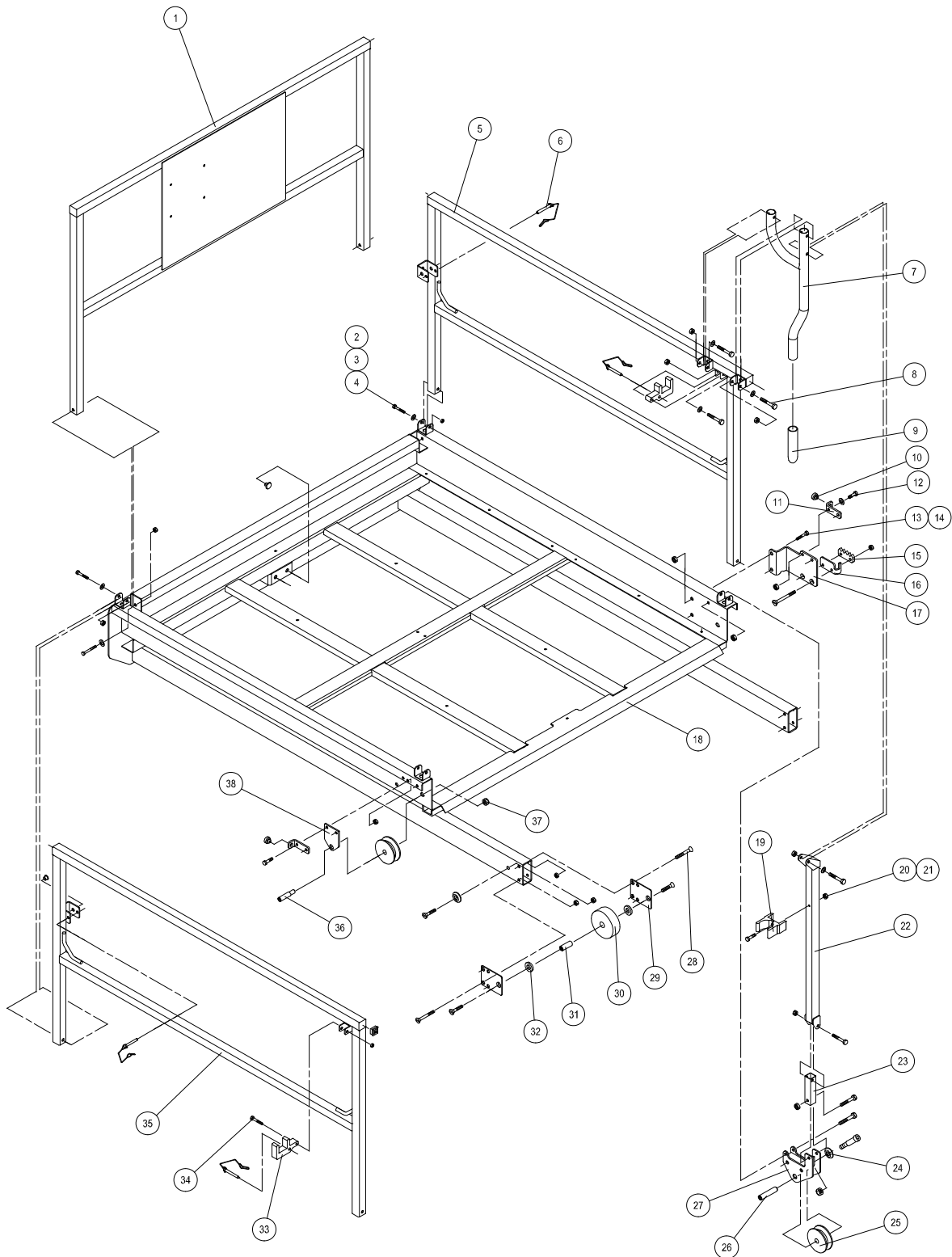
## Platform Rails and Entry Gates Installation

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-41501	Entry Gate Latch	2	
2	JCPT1523RT-41502	Entry Gate Latch Spring	2	
3	GB/T5782-2000	Bolt M10×45	2	
4	GB/T97.1-2000	Flat Washer 10	10	
5	GB/T6182-2000	Nylock Nut M10	10	
6	JCPT1523RT-41510	Entry Gate Assembly With Latch	2	
7	GB819-85	Screw M5×50	16	
8	GB/T97.1-2000	Flat Washer 5	16	
9	GB/T6182-2000	Nylock Nut M5	16	
10	GB/T1738-93	Entry Gate Hinge	4	
11	JCPT1523RT-41430	Side Rail Assembly With Decals (Ground Controls Side, Rear)	1	
12	JCPT1523RT-41320	Platform Deck Assembly	1	
13	JCPT1523RT-41230	Wire Lock Pin	8	
14	GB/T5782-2000	Bolt M10×65	8	
15	JCPT1523RT-41302	Platform Extension Lock Tooth Rail, Rear	1	
16	GB/T5783-2000	Bolt M6×16	10	
17	GB/T6182-2000	Nylock Nut M6	14	
18	JCPT1523RT-41410	Side Rail Assembly With Decals (Hydraulic Tank Side, Rear)	1	
19	GB/T5782-2000	Bolt M6×45	8	
20	GB/T6182-2000	Nylock Nut M6	12	
21	JCPT1523RT-41401	Grab Handle	4	
22	JCPT1523RT-41420	Side Rail Assembly With Decals (Hydraulic Tank Side, Front)	1	
23	GB/T5783-2000	Bolt M6×40	4	
24	GB/T97.1-2000	Flat Washer 6	4	
25	JCPT1523RT-41202	Rail Spacer	4	
26	JCPT1523RT-41304	Roller Bracket	8	
27	GB/T5783-2000	Bolt M12×25	16	
28	GB/T6182-2000	Nylock Nut M12	16	
29	JCPT1523RT-41307	Platform Extension Roller	4	
30	JCPT1523RT-41305	Roller Spacer	8	



## Platform Rails and Entry Gates Installation

[illegible]

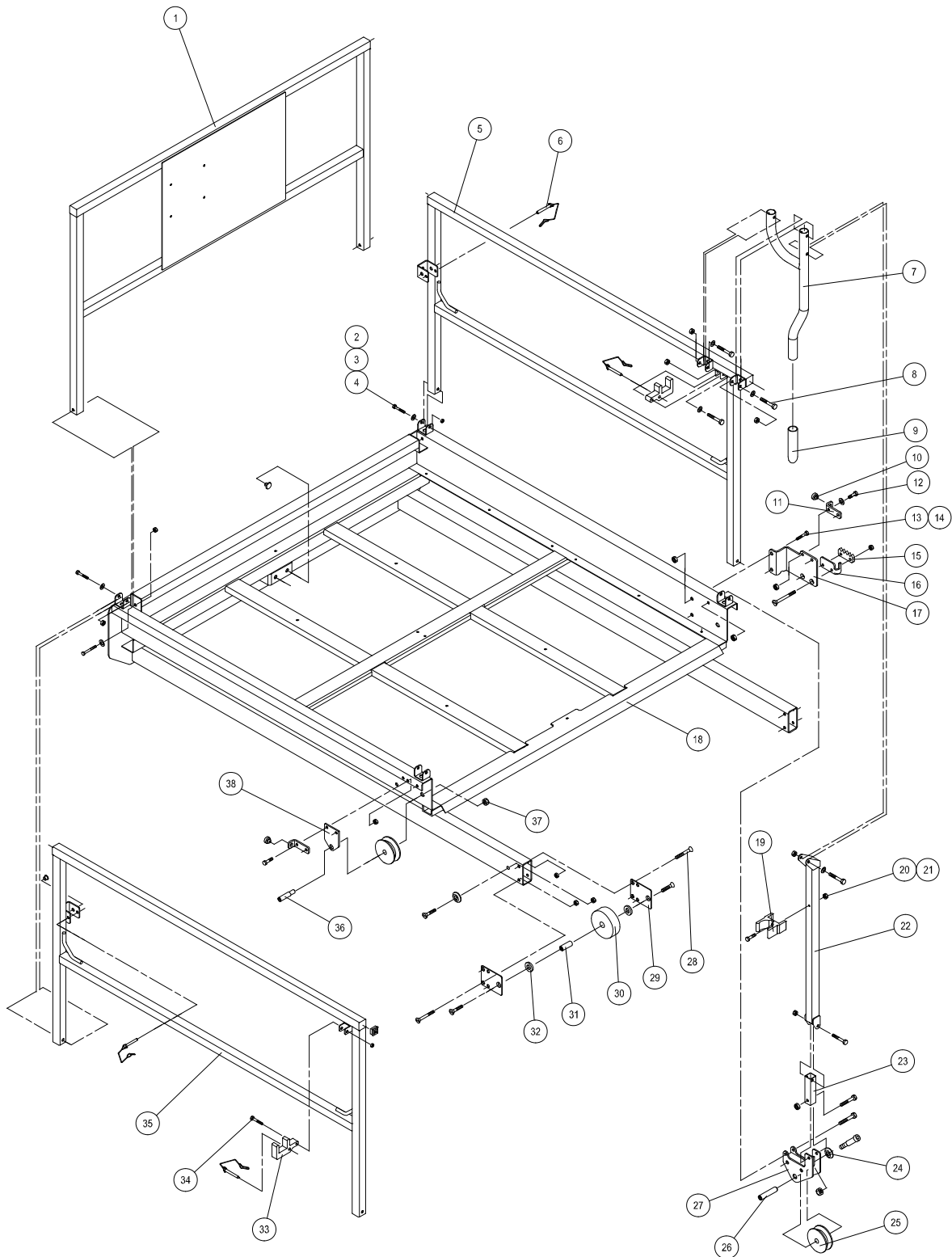
**Front Platform Extension Deck**

### Front Platform Extension Deck

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-41220	Platform Extension Deck, Rail Assembly With Decals	1	
2	GB/T5783-2000	Bolt M10×65	6	
3	GB/T97.1-2000	Flat Washer 10	6	
4	GB/T6182-2000	Nylock Nut M10	6	
5	JCPT1523RT-41710	Side Rail Assembly Platform Extension (Ground Controls Side, Front)	1	
6	JCPT1523RT-41230	Wire Lock Pin	4	
7	JCPT1523RT-41810	Lock Handle Assembly	1	
8	GB/T5782-2000	Bolt M10×60	4	
9	JCPT1523RT-41813	Hand Grip	1	
10	JCPT1523RT-41101	Rubber Bumper	3	
11	JCPT1523RT-41103	Platform Extension Stop	1	
12	GB/T5783-2000	Bolt M10×30	2	
13	GB/T2673-2000	Screw M8×30	2	
14	GB/T6182-2000	Nylock Nut M12	2	
15	JCPT1523RT-41109	Platform Extension Lock Rack	1	
16	JCPT1523RT-41108	Platform Extension Lock Rack Spacer	1	
17	JCPT1523RT-41107	Platform Extension Lock Rack Bracket	1	
18	JCPT1523RT-41610	Platform Extension Assembly	1	
19	JCPT1523RT-41201	Lock Handle Clip	1	
20	GB/T6182-2000	Nylock Nut M6	1	
21	GB/T5783-2000	Bolt M6×55	1	
22	JCPT1523RT-41820	Platform Lock Rod	1	
23	JCPT1523RT-41801	Extension Tube, Platform Extension Lock Rod	1	
24	JCPT1523RT-41112	Plastic Bumper	4	
25	JCPT1523RT-41110	Wheel, V-Roller	2	
26	JCPT1523RT-41111	Extension Roller Wheel Pin	1	
27	JCPT1523RT-41150	Roller Wheel Mount	1	
28	GB/T2673-2000	Screw M8×16	8	
29	JCPT1523RT-41104	Platform Extension Roller Mount Plate	4	
30	JCPT1523RT-41115	Platform Extension Roller Wheel	2	

## Front Platform Extension Deck

[illegible]

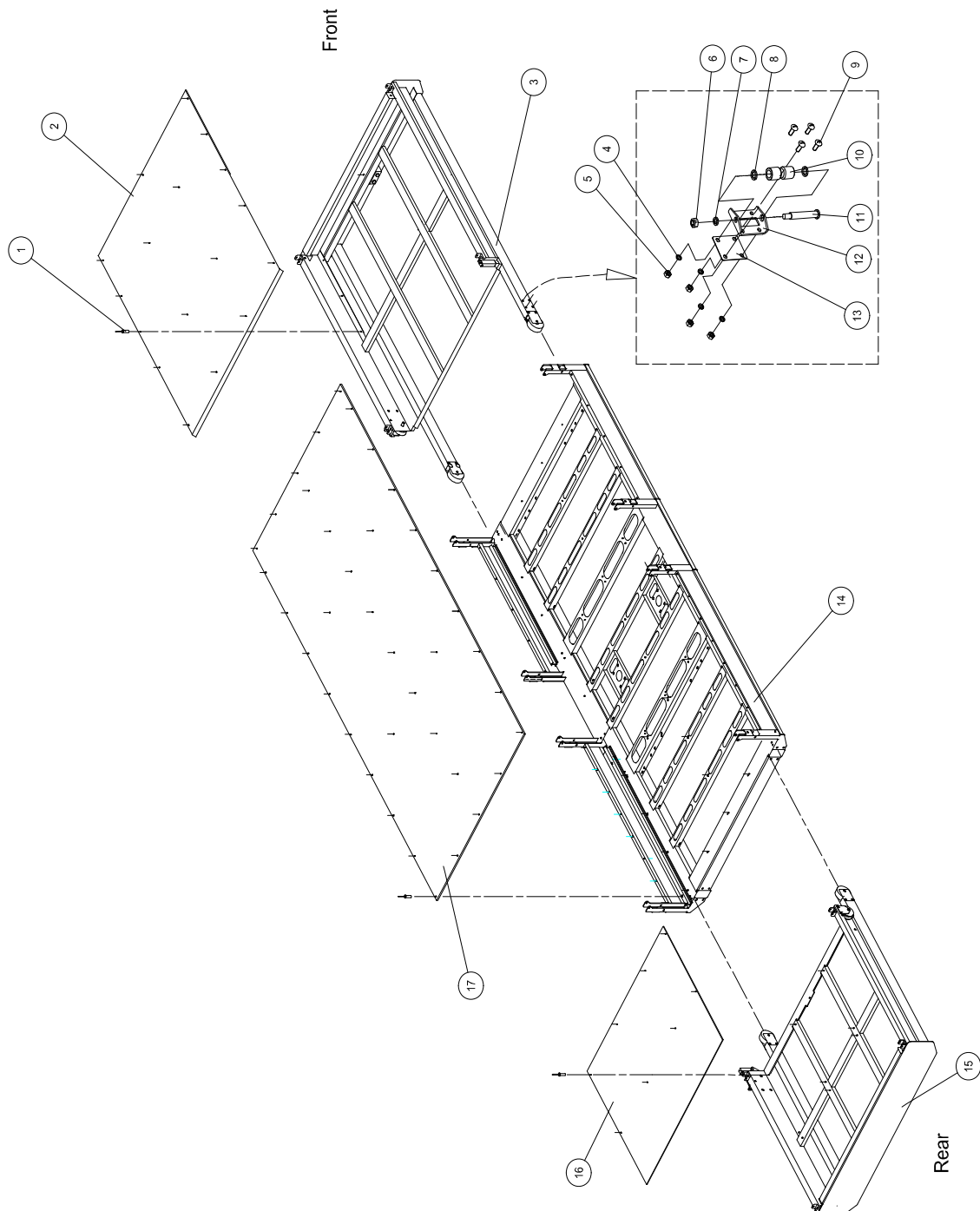
**Rear Platform Extension Deck**

### Rear Platform Extension Deck

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-41220	Platform Extension Deck, Rail Assembly With Decals	1	
2	GB/T5783-2000	Bolt M10×65	6	
3	GB/T97.1-2000	Flat Washer 10	6	
4	GB/T6182-2000	Nylock Nut M10	6	
5	JCPT1523RT-41240	Side Rail Assembly Platform Extension (Hydraulic Tank Side, Rear)	1	
6	JCPT1523RT-41230	Wire Lock Pin	4	
7	JCPT1523RT-41810	Lock Handle Assembly	1	
8	GB/T5782-2000	Bolt M10×60	4	
9	JCPT1523RT-41813	Hand Grip	1	
10	JCPT1523RT-41101	Rubber Bumper	3	
11	JCPT1523RT-41103	Platform Extension Stop	1	
12	GB/T5783-2000	Bolt M10×30	2	
13	GB/T2673-2000	Screw M8×30	2	
14	GB/T6182-2000	Nylock Nut M12	2	
15	JCPT1523RT-41109	Platform Extension Lock Rack	1	
16	JCPT1523RT-41108	Platform Extension Lock Rack Spacer	1	
17	JCPT1523RT-41107	Platform Extension Lock Rack Bracket	1	
18	JCPT1523RT-41100	Platform Extension Assembly	1	
19	JCPT1523RT-41201	Lock Handle Clip	1	
20	GB/T6182-2000	Nylock Nut M6	1	
21	GB/T5783-2000	Bolt M6×55	1	
22	JCPT1523RT-41820	Platform Lock Rod	1	
23	JCPT1523RT-41801	Extension Tube, Platform Extension Lock Rod	1	
24	JCPT1523RT-41112	Plastic Bumper	4	
25	JCPT1523RT-41110	Wheel, V-Roller	2	
26	JCPT1523RT-41111	Extension Roller Wheel Pin	1	
27	JCPT1523RT-41150	Roller Wheel Mount	1	
28	GB/T2673-2000	Screw M8×16	8	
29	JCPT1523RT-41104	Platform Extension Roller Mount Plate	4	
30	JCPT1523RT-41115	Platform Extension Roller Wheel	2	

## Rear Platform Extension Deck

[illegible]

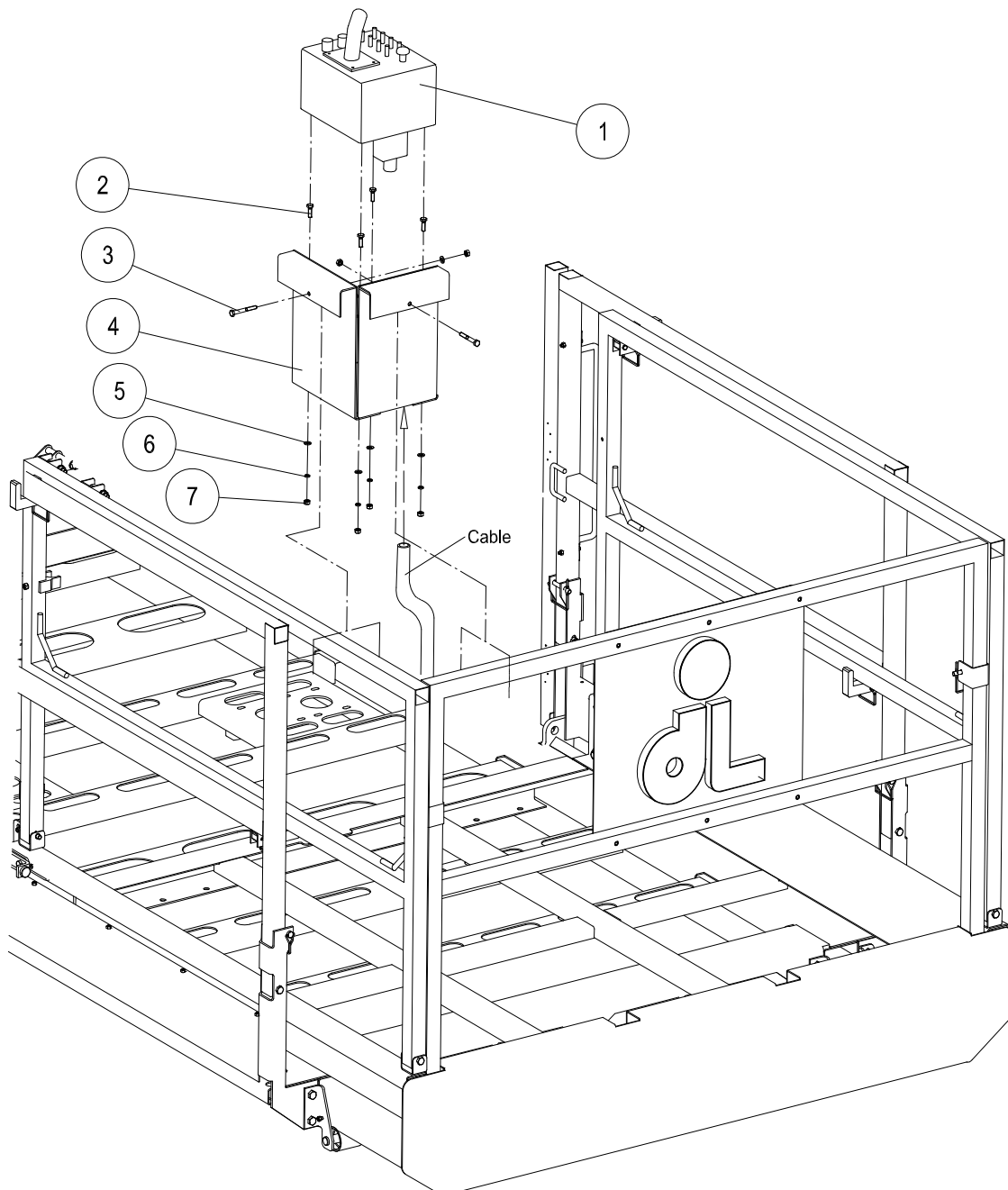
**Platform Floor Installation and Side Roller Installation**



## Platform Floor Installation and Side Roller Installation

[illegible]

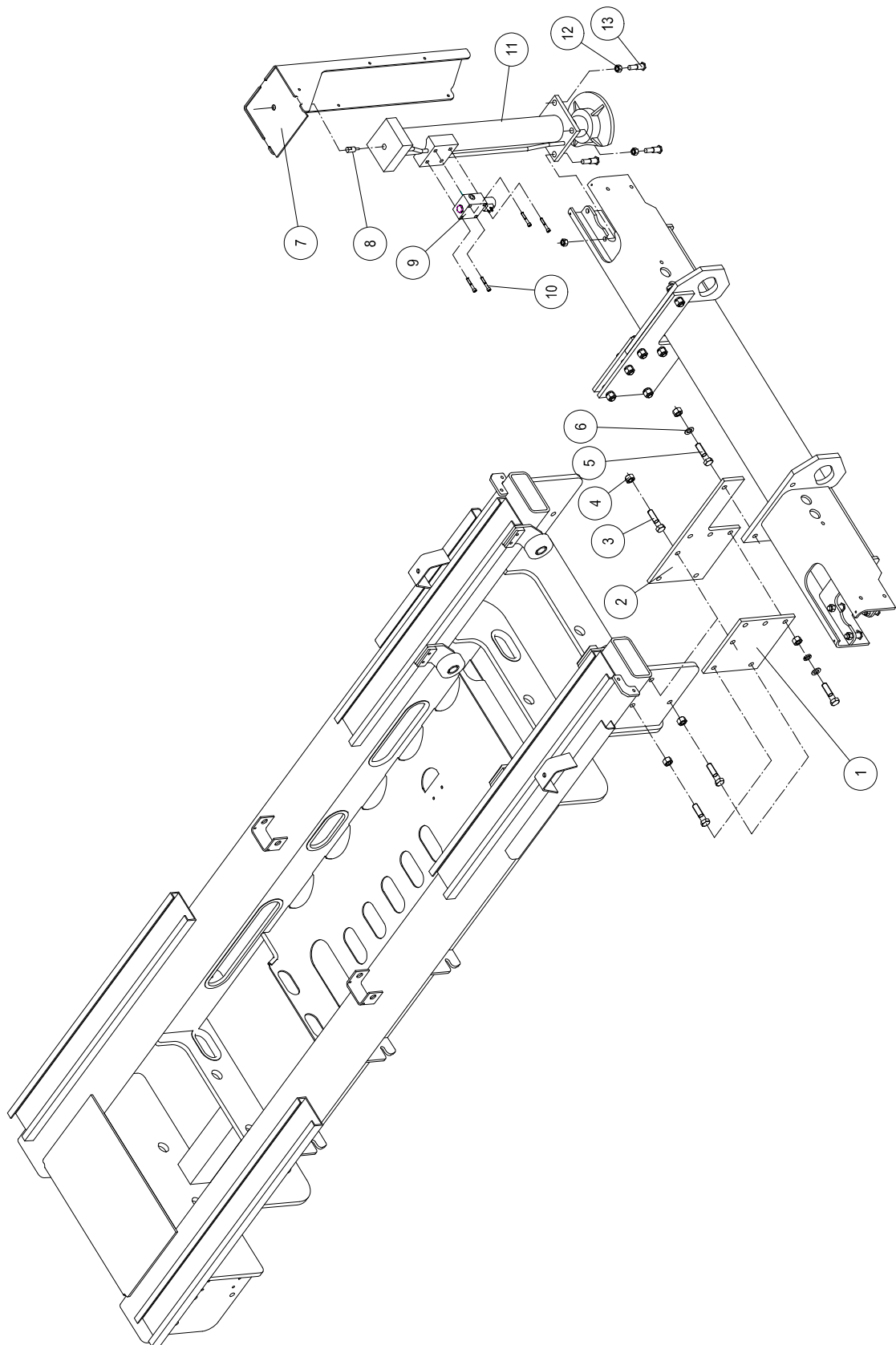
## Platform Controls Installation



## Platform Controls Installation

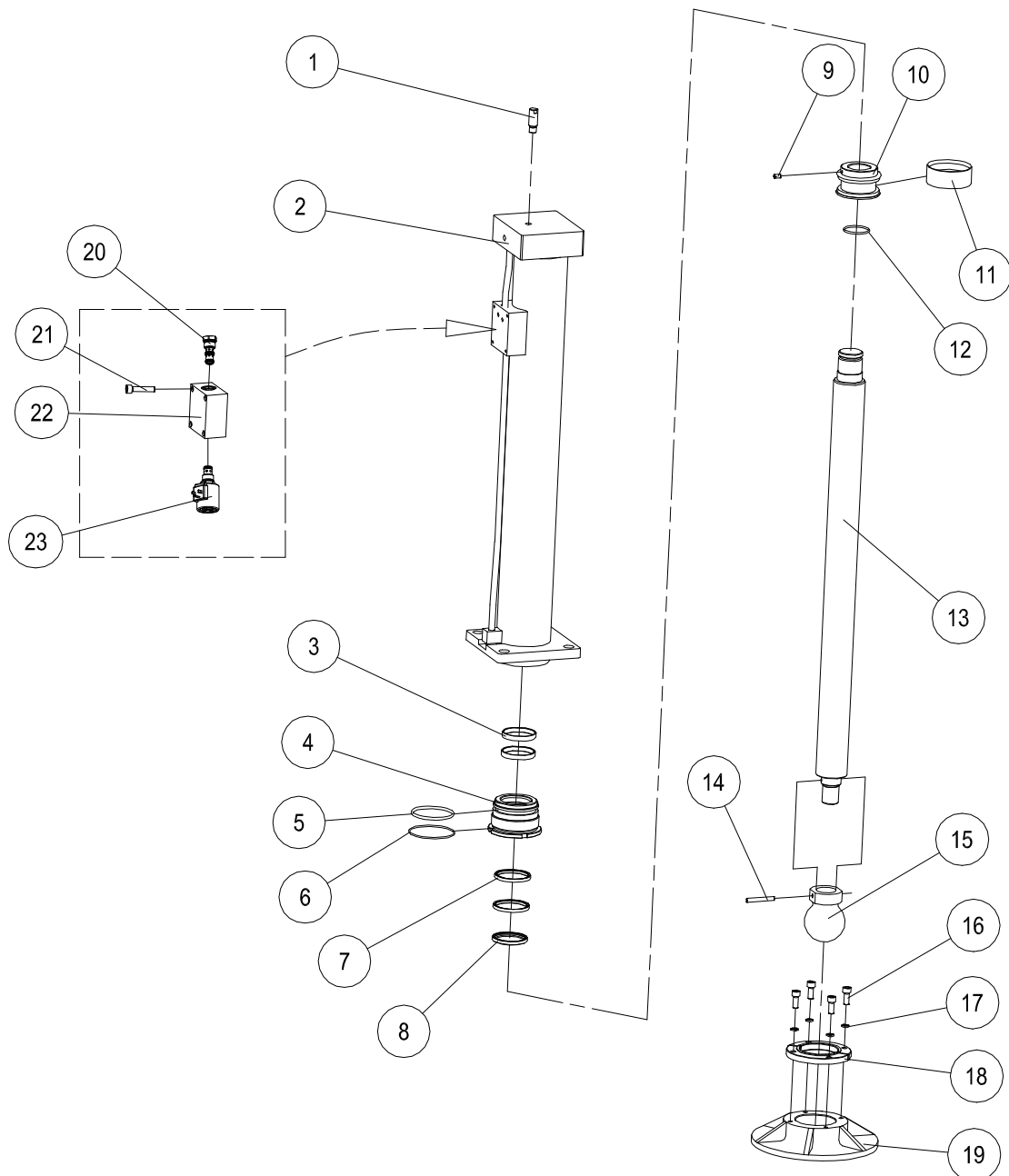
[illegible]

## Outrigger Components Installation



## Outrigger Components Installation

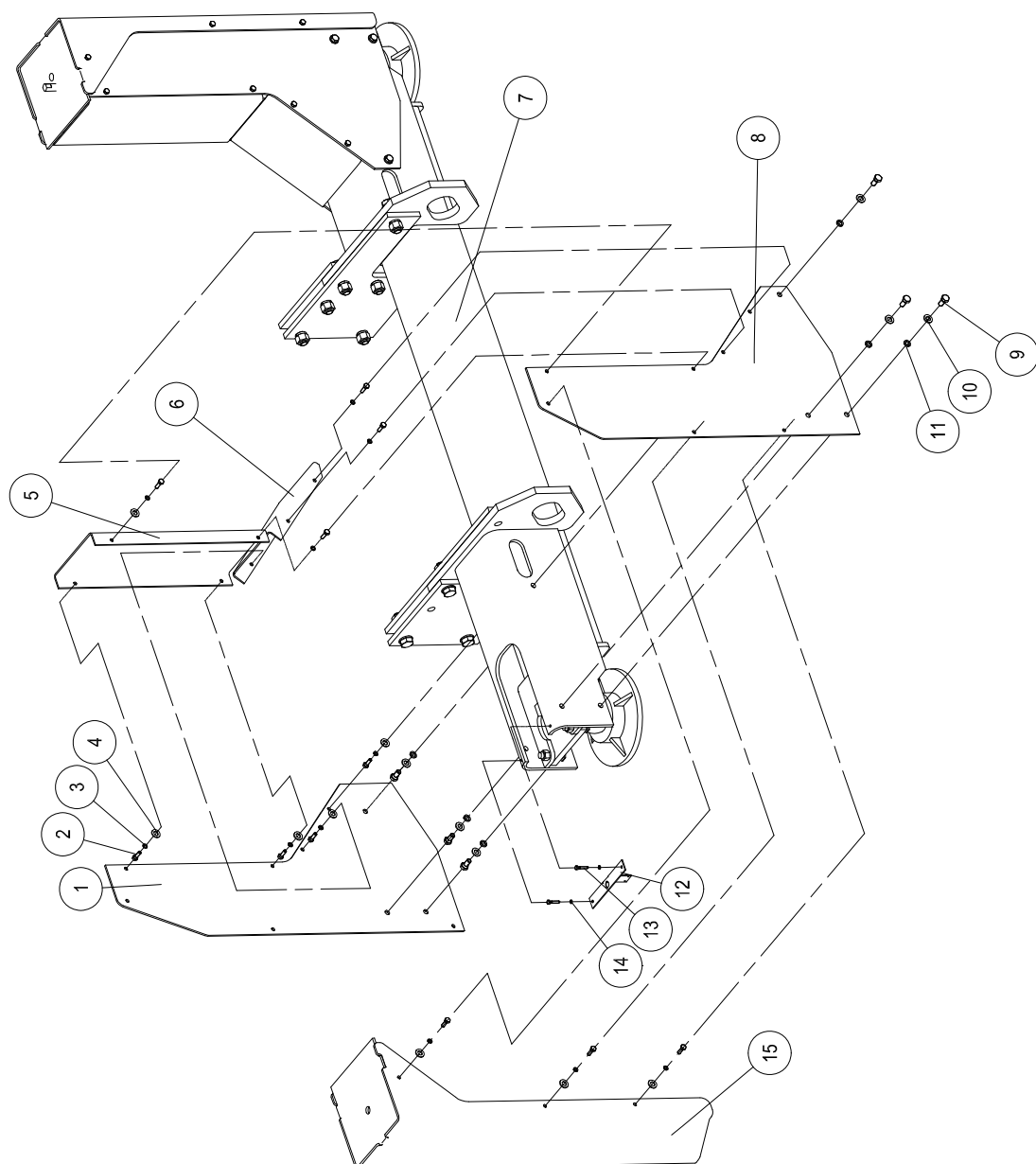
[illegible]

**Level Jack Cylinder Assembly**

### Level Jack Cylinder Assembly

No.	Parts No.	Description	Qty.	Remark
1	JCPT1523RT-53406	Pivot	1	
2	JCPT1523RT-53420	Barrel Weldment	1	
3	d63×9.4×2.5	Ring, Back-Up	2	
4	JCPT1523RT-53404	Head	1	
5	P80	Seal, O-Ring 79.6×5.7	1	
6	G90	Seal, O-Ring 89.4×3.1	1	
7	ISI63	Seal	2	63×73×6
8	LBH63	Seal	1	63×71×5/6.5
9	GB79-85	Set Screw M8×10	1	
10	JCPT1523RT-53405	Piston	1	
11	DAS090-70	Seal Assembly	1	
12	P50	Seal, O-Ring 49.7×3.5	1	
13	JCPT1523RT-53410	Rod Weldment	1	
14	GB879-86	Pivot	1	Φ 8×60
15	JCPT1523RT-53403	Ball Casting, Outtrigger Foot Pad	1	
16	GB70-85	Screw M10×25	4	
17	GB93-85	Circlip 10	4	
18	JCPT1523RT-53402	Retainer	1	
19	JCPT1523RT-53401	Foot Pad Casting	1	
20	PC10-30-0-N-30	Check valve	1	
21	GB70-85	Screw M8×55	4	
22		Valve base	1	
23	SV10-28-0-N-12DG	Two solenoid valve	1	

## Outrigger Components





## Outrigger Components

[illegible]





**Local Distributor:**

**Lokaler Vertriebshändler:**

**Distributeur local:**

**El Distribuidor local:**

**Il Distributore locale:**

**USA**

TEL: +1 (559) 443 6600  
FAX: +1 (559) 268 2433



[www.upright.com](http://www.upright.com)

**Europe**

TEL: +44 (0) 845 1550 058