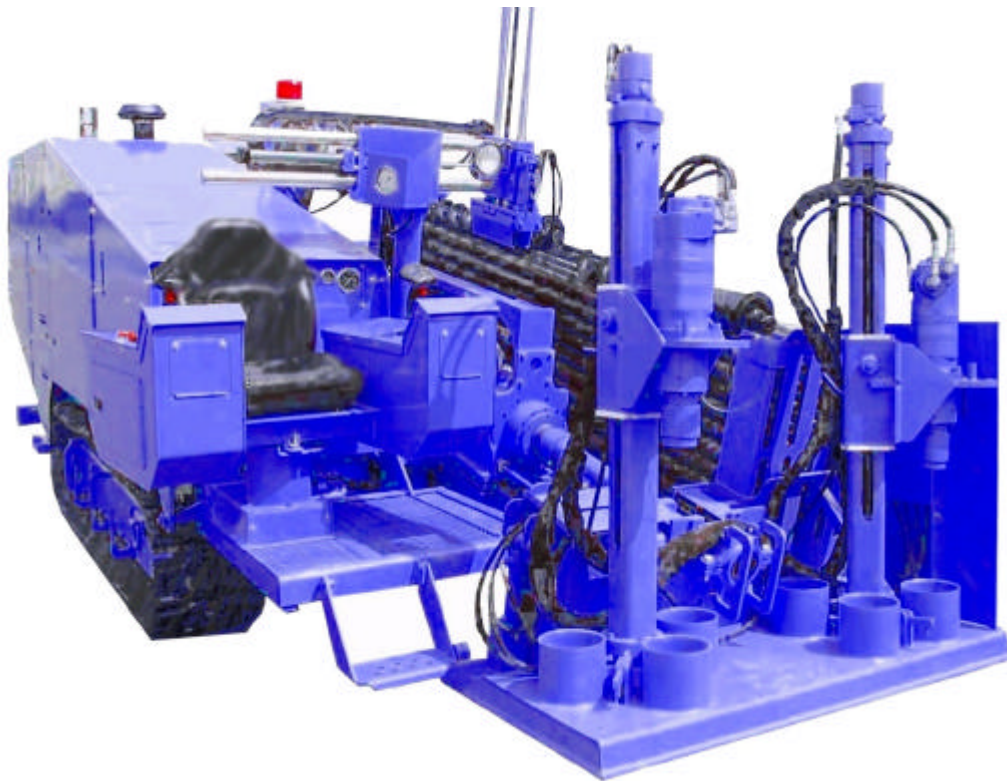




## 3550 PARTS MANUAL



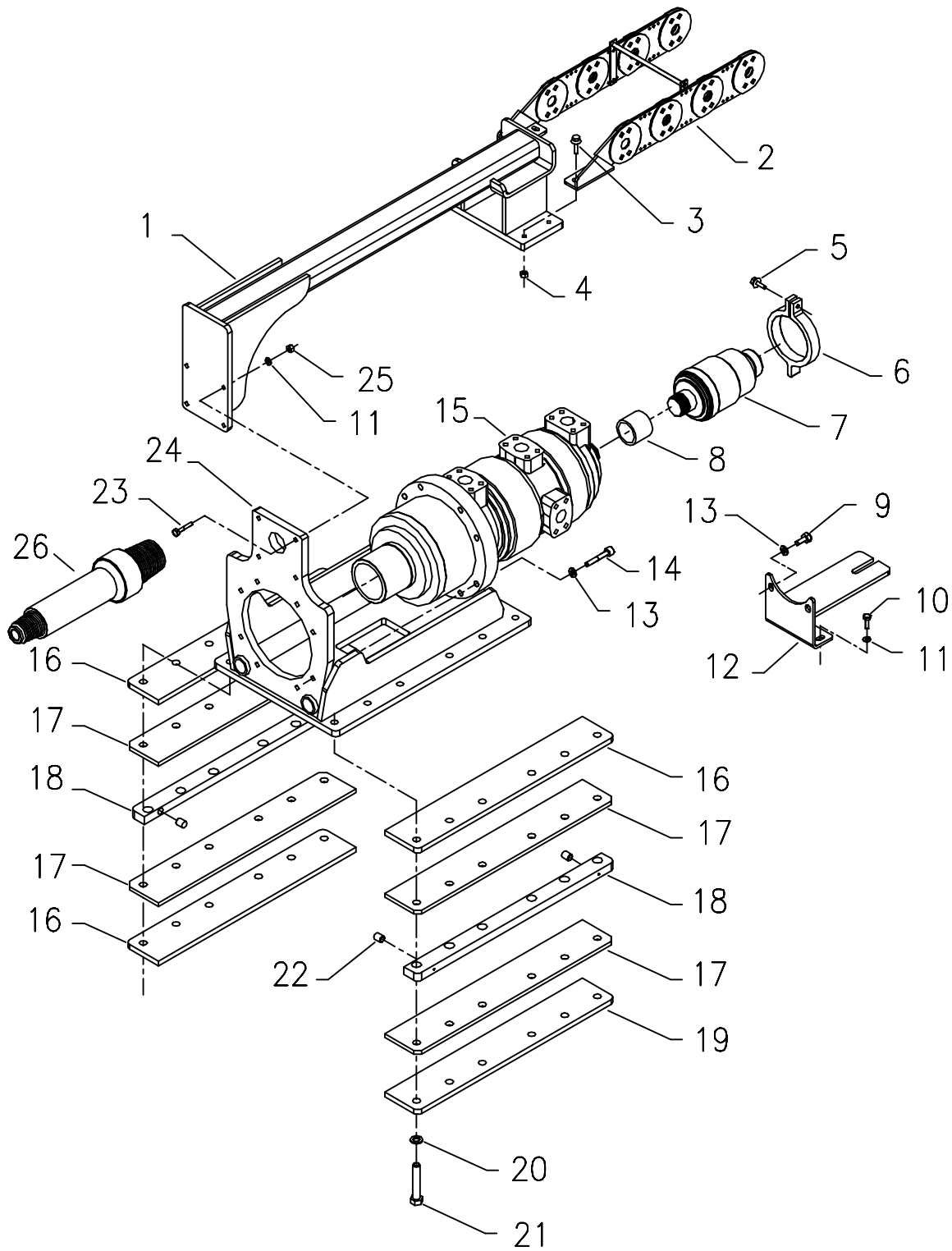


## 3550 PARTS MANUAL

### TABLE OF CONTENTS

1	CARRIAGE ASSEMBLY
3	ENGINE HOUSING ASSEMBLY
5	FRONT ENGINE FRAME ASSEMBLY
7	REAR ENGINE FRAME ASSEMBLY
9	FRONT GAUGE PANEL ASSEMBLY
11	FUEL TANK ASSEMBLY
13	LEFT CONSOLE ASSEMBLY
15	RIGHT CONSOLE ASSEMBLY
17	OPERATOR'S STATION ASSEMBLY
19	HORIZONTAL PIPE LOADER ASSEMBLY
21	VERTICAL PIPE LOADER ASSEMBLY
23	REAR FOOT ASSEMBLY
25	REAR TRAM ASSEMBLY
27	RESERVIOR ASSEMBLY
29	THRUST ASSEMBLY
31	TRACK FRAME ASSEMBLY
33	HYDRUALIC TANK ASSEMBLY

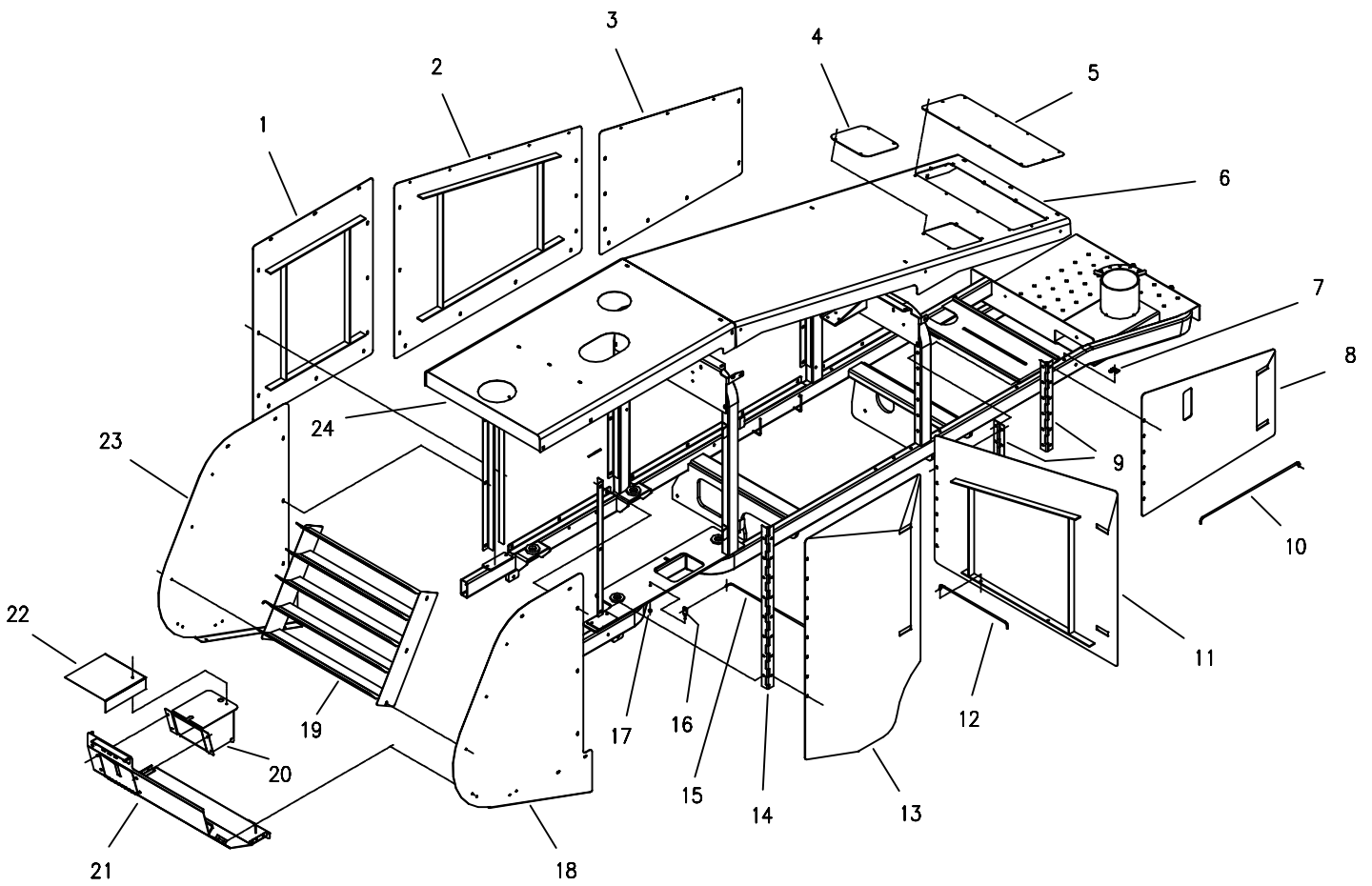
# Carriage Assembly



## Carriage Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	370677	Hose Carrier Mount Weldment	1
2	221535	Riveted Gortrac	REF
3	3816X114WHB	Whiz Hex Bolt	4
4	3816WHN	Hex Nut	4
5	3816X1WHB	Whiz Hex Bolt	1
6	262996	Water Swivel Clamp	1
7	221450	Water Swivel	1
8	203-610-02	Adapter	1
9	1213X1HB	Hex Bolt	2
10	3816X1HB	Hex Bolt	2
11	38LW	Lock Washer	6
12	270650	Carriage Motor Rear Support Weldment	1
13	12LW	Lock Washer	10
14	1213X212SHCS	Socket Head Cap Screw	8
15	321407	Hydraulic Carriage Motor	1
16	262956	Outside Carriage Guide Spacer	3
17	262965	Carriage Guide	4
18	263632	Center Carriage Guide Spacer	2
19	270705	Front Stem Catcher Tripper Weldment	1
20	58LW	Lock Washer	12
21	5811X312HB	Hex Bolt	12
22	163633	Carriage Guide	4
23	3816X134HB	Hex Bolt	4
24	370641	Rotary Carriage Weldment	1
25	3816HN	Hex Nut	4
26	263240	Sub Saver	1

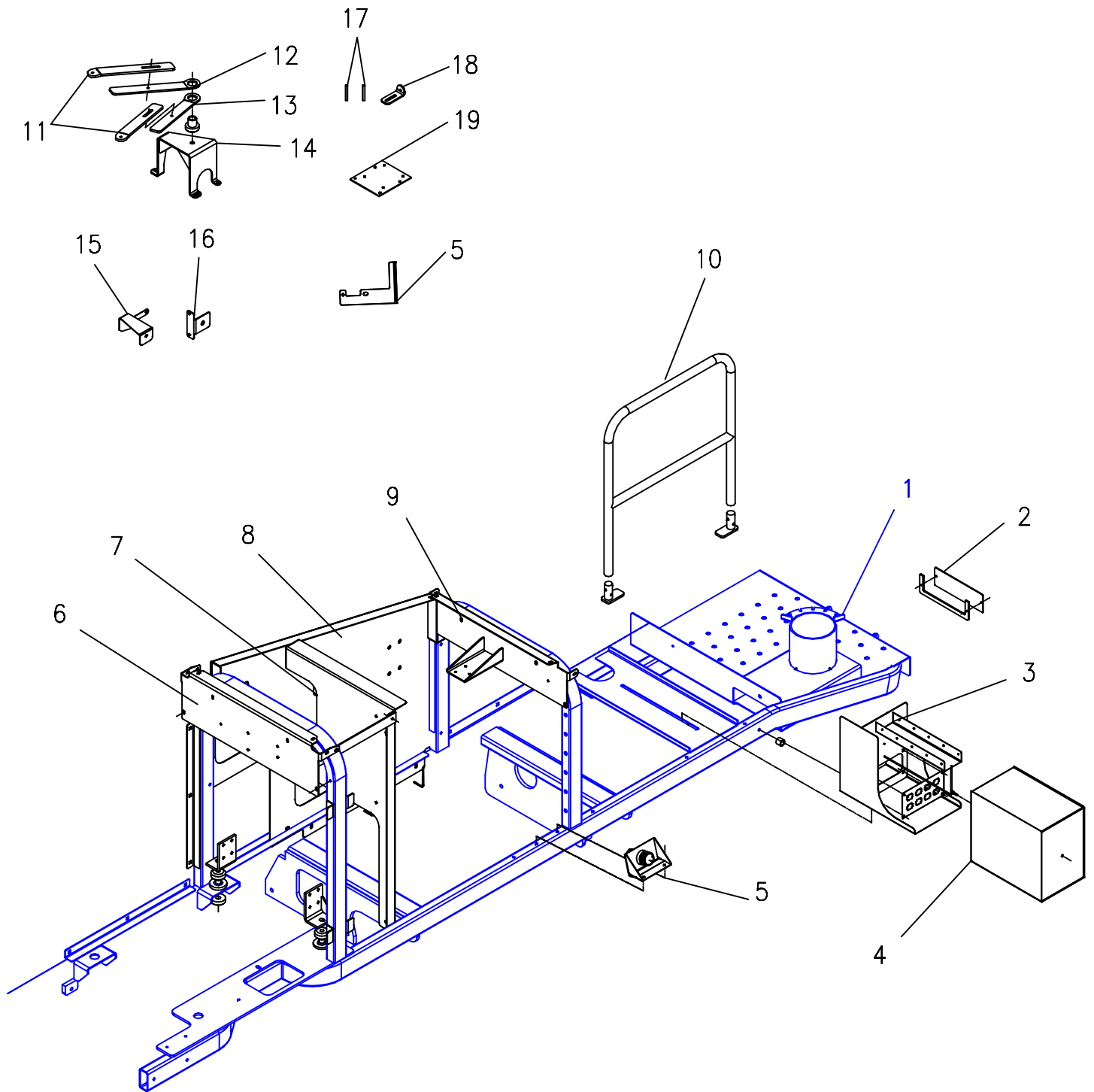
# Engine Housing Assembly



## Engine Housing Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	270776	Rear Panel Weldment	1
2	270775	Middle Side Weldment	1
3	263563	Front Side Cowling	1
4	263558	Hydraulic Fill Neck Cover Panel	1
5	263345	Front Cowling Top Cover Panel	1
6	270772	Top Front Cowling Panel Weldment	1
7	163605	Front Door Prop Rod Retainer Bracket	1
8	270780	Front Door Weldment	1
9	263571	Front and Middle Door Hinge	2
10	263599	Front Door Prop Rod	1
11	270778	Middle Door Weldment	1
12	263593	Middle Door Prop Rod	1
13	270774	Rear Door Weldment	1
14	263570	Rear Door Hinge	1
15	263606	Rear Door Prop Rod	1
16	170784	Rear Door Prop Rod Clevis Weldment	1
17	701-105-02	Nylock Hex Nut	1
18	363349	Radiator/Cooler Cowling Right Side Panel	1
19	370779	Radiator/Cooler Louver Weldment	1
20	370723	Rear Controller Cabinet Weldment	1
21	370772	Radiator/Cooler Louver Weldment	1
22	163611	Rear Switch Cover	1
23	363350	Radiator/Cooler Cowling Left Side Panel	1
24	270770	Top Rear Cowling Weldment Panel	1

# Front Engine Frame Assembly

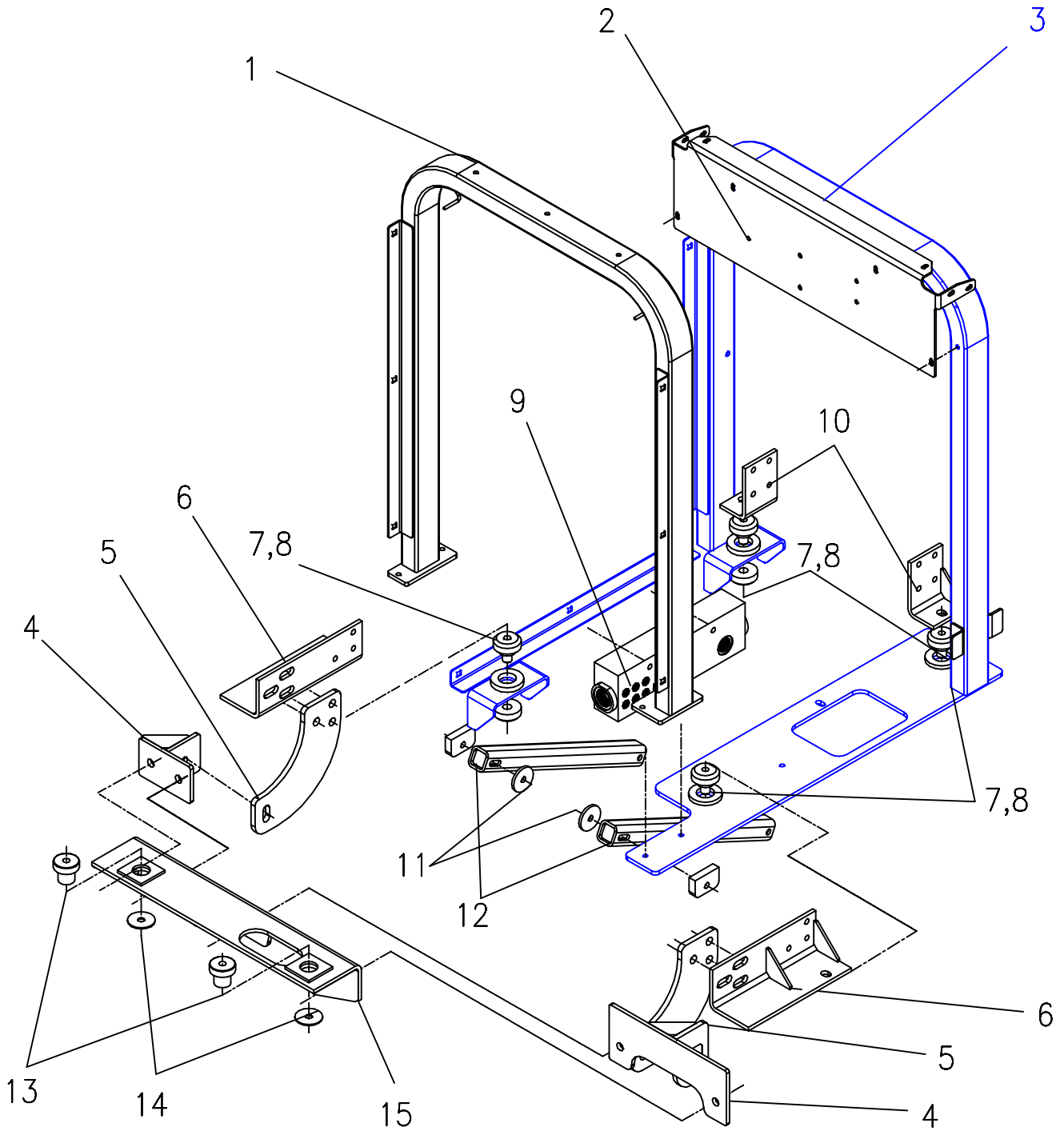


## Front Engine Frame Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	470744	Engine Frame Weldment	1
2	263202	Channel Harness Bulkhead	1
3	370712	Relay Frame Weldment	1
4	270713	Relay Cover Weldment	1
5	263499	Fuel Filter Bracket	2
6	363477	Cross Brace	1
7	363500	Valve Mount Panel	1
8	270673	Filter Mount Panel Weldment	1
9	170771	Pressure Filter Bracket Weldment	1
10	170782	Operator's Station Guard Rail Weldment	1
11	263510	Radiator Strut	2
12	263614	Top Radiator Strut	1
13	263511	Top Radiator Strut	1
14	270767	Radiator Top Mount Bracket Weldment	1
15	163314	Throttle Bracket	1
16	263451	On-Off Switch Bracket	1
17	163556	Step Spacer	2
18	163613	Roller Step Bracket	1
19	163300	Air Cleaner Adapter Plate	1



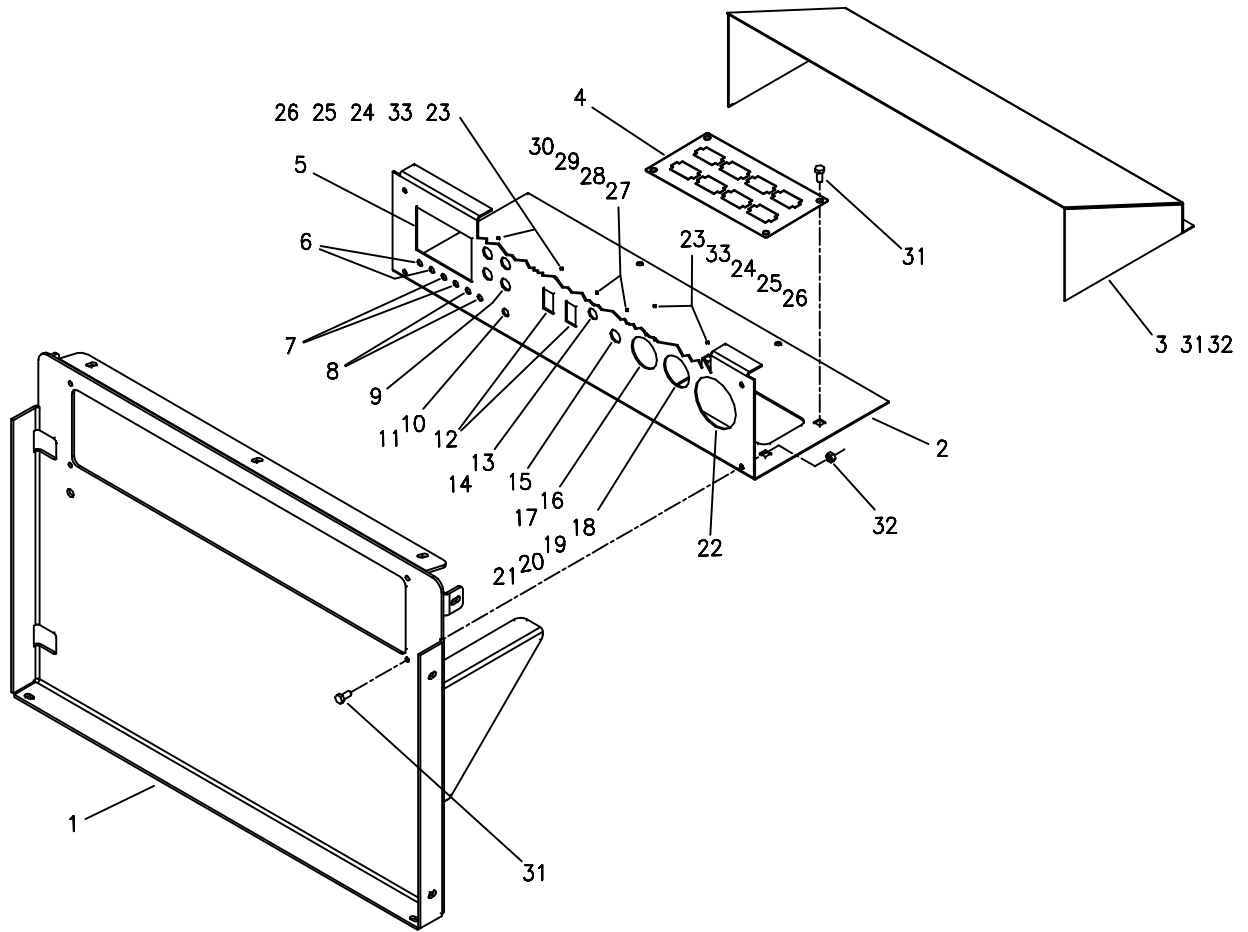
# Rear Engine Frame Assembly



## Rear Engine Frame Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	270747	Rear Engine Frame Bow Weldment	1
2	363477	Cross Brace	1
3	470744	Engine Frame Weldment	1
4	270766	Right Side Radiator/Engine Mount Bracket	2
5	263520	Radiator Mounting Arm Plate	2
6	370761	Left Front Engine Mount Weldment	2
7	121538	Engine Isolator	4
8	163077	Isolator Mount	4
9	170773	Manifold Weldment	1
10	270668	John Deere Engine Rear Bracket Weldment	2
11	163271	Vertical Rod Top Stop Plate	1
12	270746	Rear Strut Weldment	2
13	121568	Bonded Center Mount	2
14	121570	Bonded Center Mount Tail Washer	2
15	370764	Crossmember Radiator Mount Weldment	1

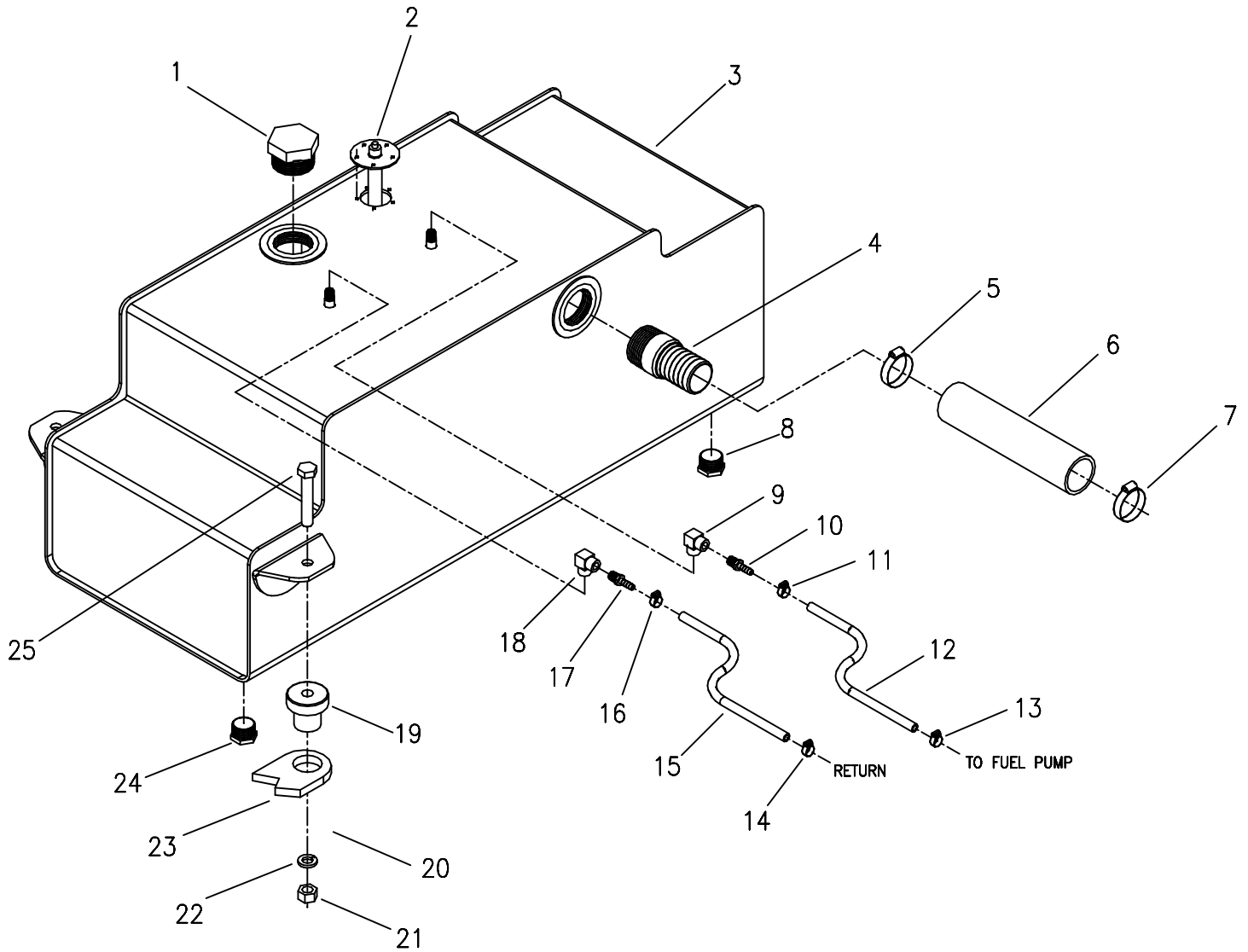
# Front Gauge Panel



## Front Gauge Panel Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	270717	Front Gauge Panel Mount Weldment	1
2	363320	Front Gauge Panel	1
3	270716	Gauge Panel Cover Weldment	1
4	263539	Relay Connector Plate	1
5	120666	Strike Alert Control Panel	1
6	121624	1 AMP Circuit Breaker	2
7	236-5686-02	10 AMP Circuit Breaker	2
8	121626	30 AMP Circuit Breaker	2
9	121601	Red Indicator Light	4
10	236-6138-02	Fuse Holder	1
11	202-217-02	3 AMP Fuse	1
12	121597	Rocker Switch	2
13	121380	Hooded Instrument Light	1
14	121381	T-2 Miniature Lamp	1
15	121602	Ignition Switch	1
16	121339	Fuel Gauge	1
17	121347	Gauge Light Kit	1
18	121344	Water Temperature Gauge	1
19	121345	Water Temperature Sender	1
20	632HN	Hex Nut	5
21	6LW	Lock Washer	5
22	121346	Tachometer Gauge w/ Hour Meter	1
23	120572	Terminal Block	2
24	832X34MS	Long Machine Screw	4
25	8LW	Lock Washer	4
26	832HN	Hex Nut	4
27	121349	Delay Timer	1
28	1032X12MS	Long Machine Screw	2
29	10LW	Lock Washer	2
30	1032HN	Hex Nut	2
31	51618X34WHB	Long Whiz Hex Nut	10
32	51618X34WHN	Whiz Hex Nut	6
33	120573	Brass Terminal Jumper	12

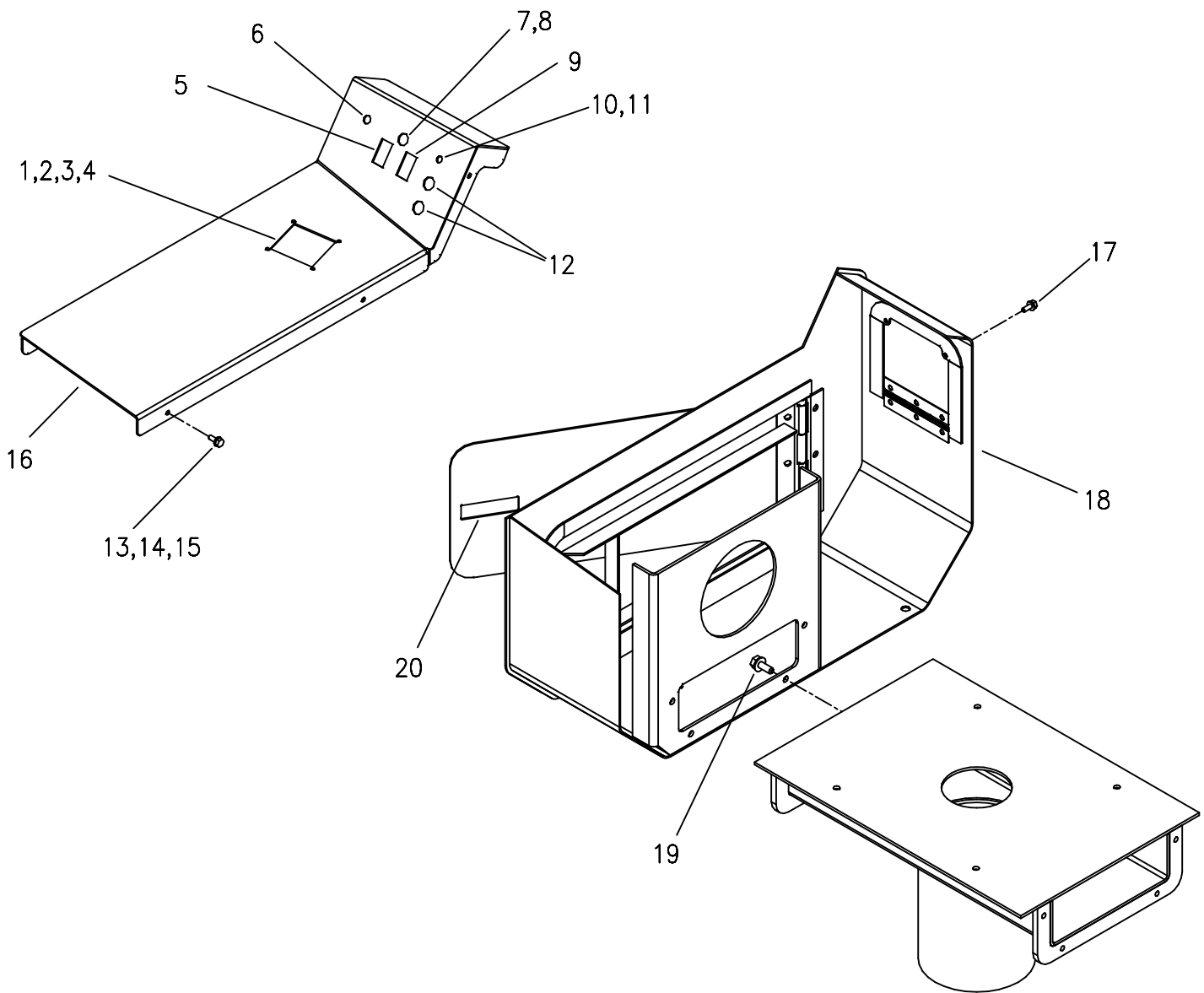
# Fuel Tank Assembly



## Fuel Tank Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	32MPPLUG	Plug	1
2	121408	Universal Level Sender	1
3	470689	Fuel Tank Weldment	1
4	121581	Pipe Nipple	1
5	701-436-02	Hose Clamp	2
6	121582	Fuel Discharge Hose	25"
7	16MPPLUG	Plug	2
8	4FP4FP90	Elbow	2
9	202-294-02	Hose Fitting	2
10	701-406-02	Hose Clamp	4
11	706-102-02	Raw Fuel Line Hose	75"
12	121568	Bonded Center Mount	3
13	121570	Bonded Center Mount Tail Washer	3
14	5811HN	Hex Nut	3
15	58LW	Lock Washer	3
16	5811X312HB	Hex Bolt	3

# Left Console Assembly

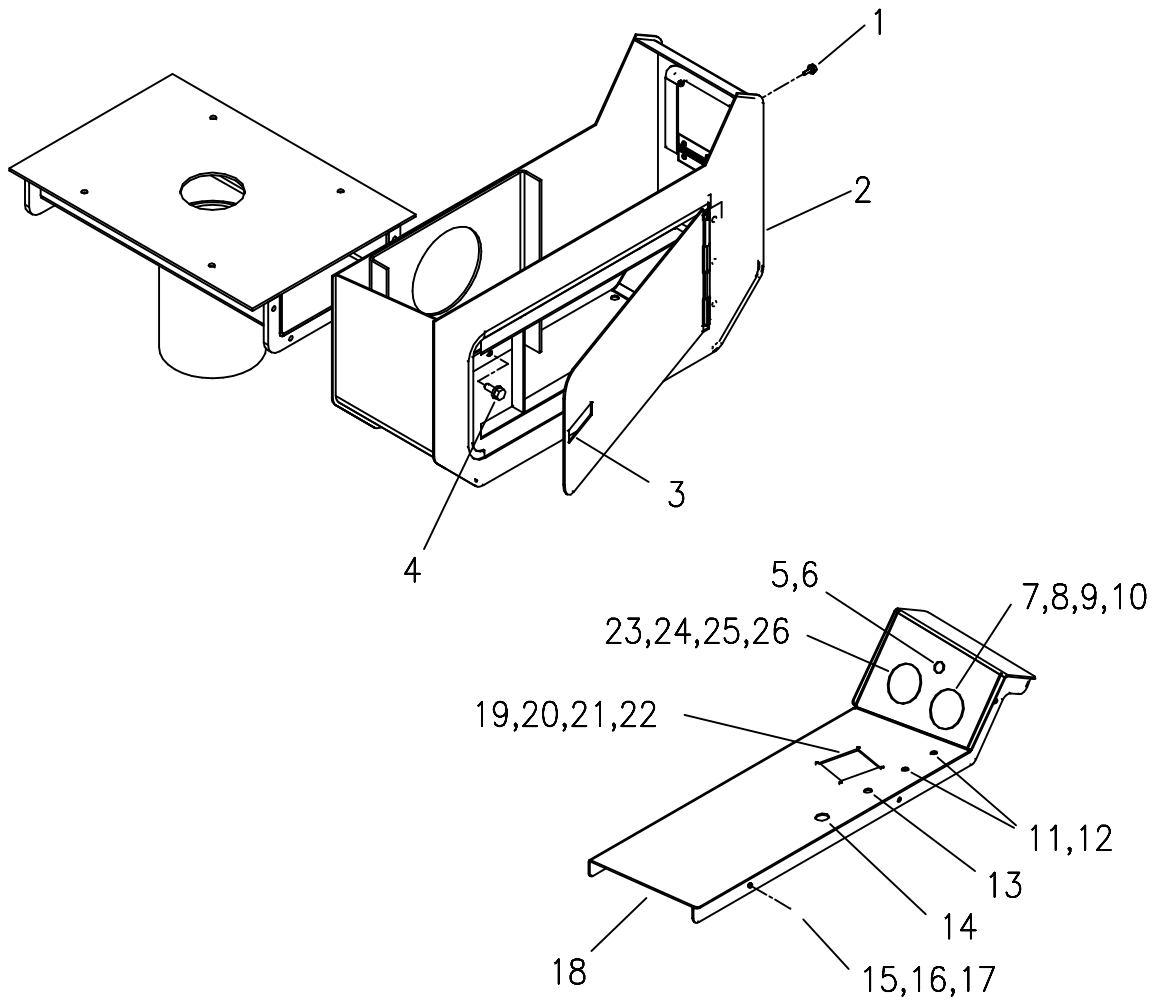


## Left Console Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	221382	Joystick Controller	1
2	120692	Machine Screw	4
3	10LW	Lock Washer	4
4	1032HN	Hex Nut	4
5	121599	Rocker Switch	1
6	120903	Toggle Switch	1
7	121380	Instrument Light	1
8	121381	T-2 Lamp	1
9	121597	Rocker Switch	1
10	120796	Potentiometer	1
11	120886	Control Knob	1
12	121601	Red Indicator Light	2
13	1420X58WHB	Whiz Hex Bolt	6
14	14LW	Lock Washer	6
15	1420HN	Hex Nut	6
16	370711	Left Console Top Weldment Panel	1
17	1420X12WHB	Whiz Hex Bolt	2
18	370709	Left Console Weldment	1
19	51618X34WHB	Whiz Hex Bolt	4
20	121680	Lever Latch	1



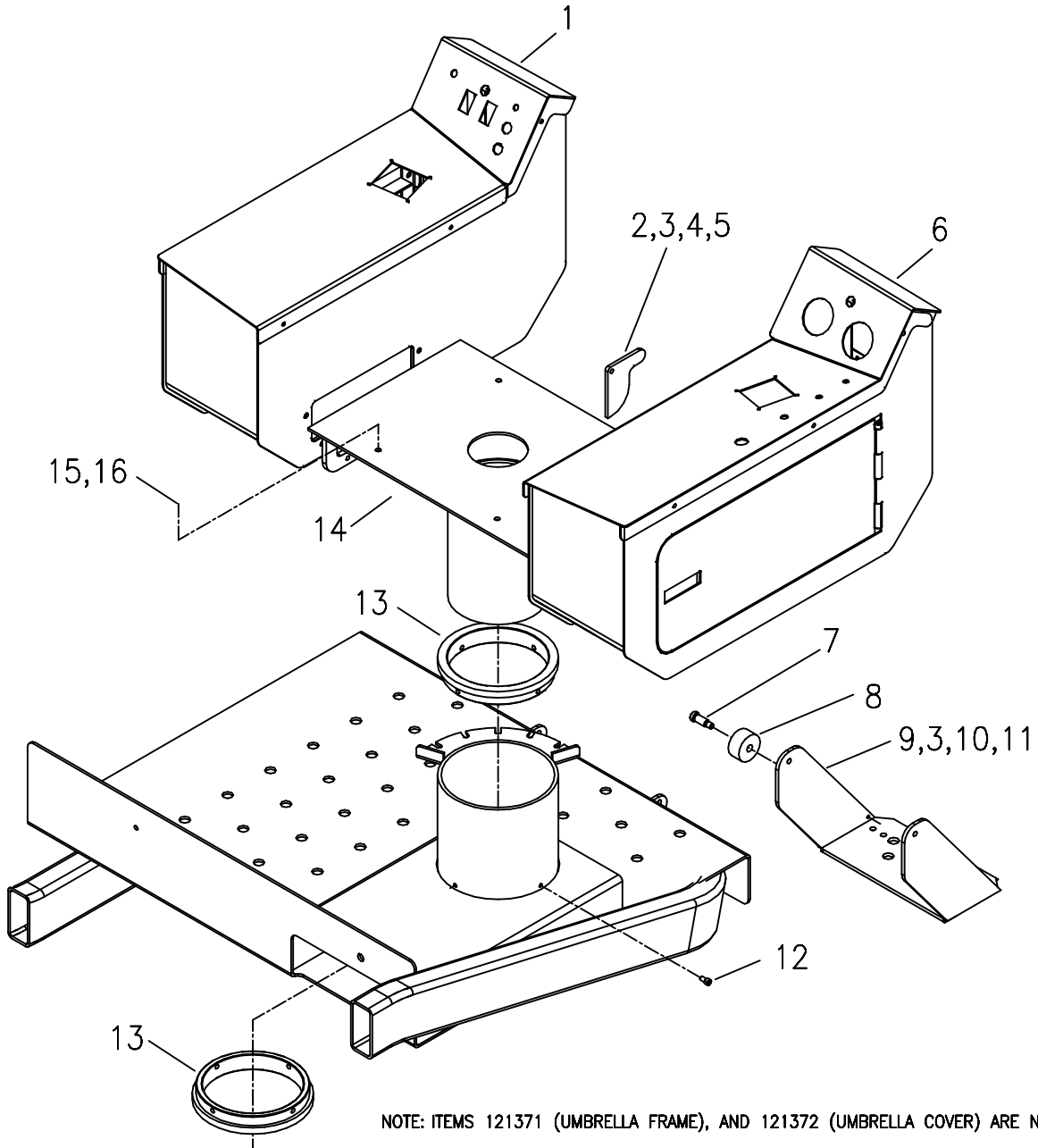
# Right Console Assembly



## Right Console Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	1420X12WHB	Whiz Hex Bolt	2
2	370708	Right Console Weldment	1
3	121680	Lever Latch	2
4	51618X34WHB	Whiz Hex Bolt	4
5	121380	Hooded Instrument Light	1
6	121381	T-2 Lamp	1
7	121042	Pressure Gauge	2
8	121043	Gauge Clamp	2
9	121036	Gauge Flange	4
10	4FP4FP90	90 Degree Elbow	2
11	121668	Potentiometer	2
12	121886	Control Knob	2
13	120903	Toggle Switch	1
14	121244	Stop Switch	1
15	1420X58WHB	Whiz Hex Bolt	6
16	14LW	Lock Washer	6
17	1420HN	Hex Nut	6
18	370718	Right Console Panel Weldment	1
19	221382	Joystick Controller	1
20	120692	Machine Screw	4
21	10LW	Lock Washer	4
22	1032HN	Hex Nut	4

# Operator's Station Assembly

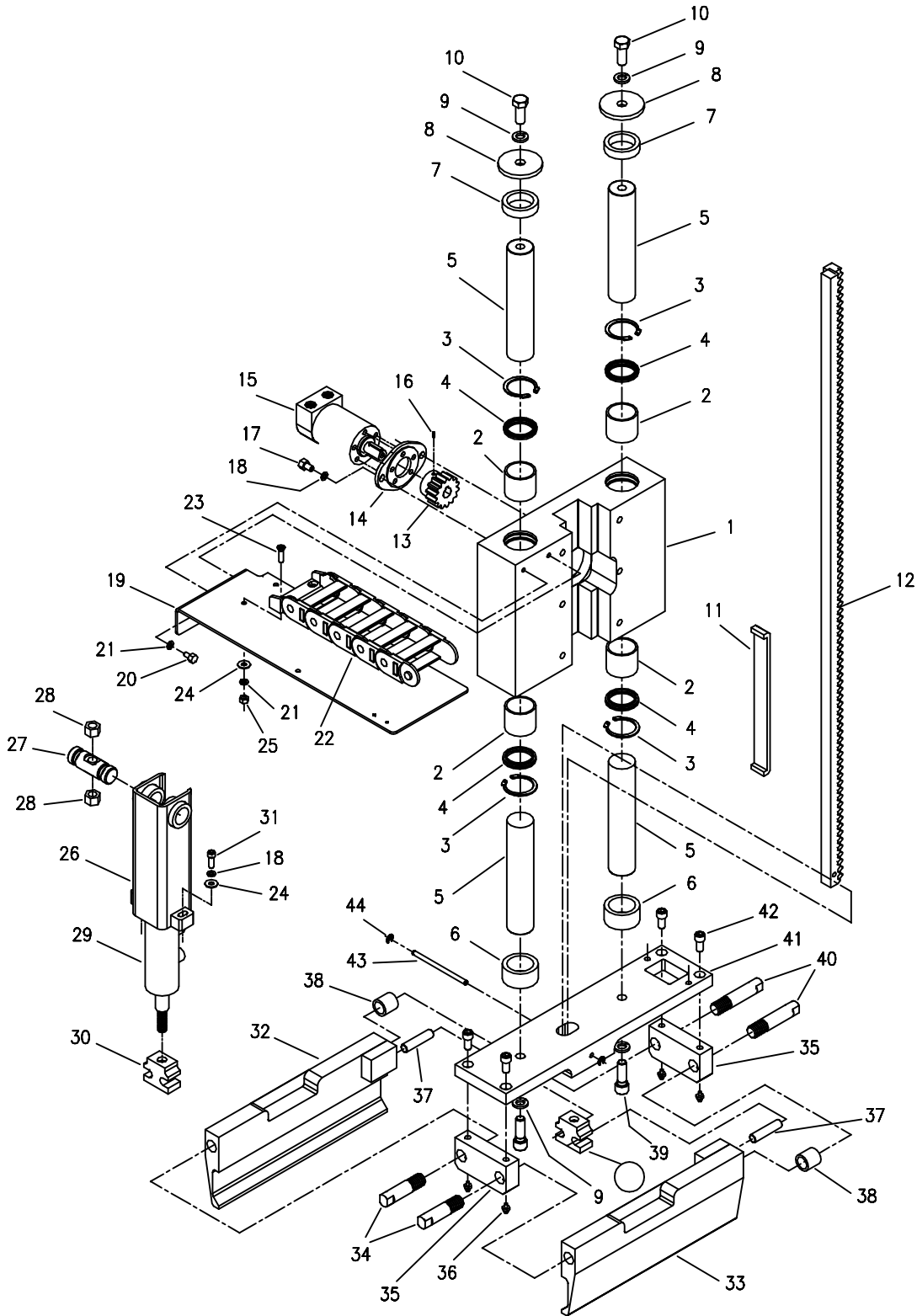


NOTE: ITEMS 121371 (UMBRELLA FRAME), AND 121372 (UMBRELLA COVER) ARE NOT SHOWN

## Operator's Station Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	380367	Left Console Assembly	1
2	163541	Latch Lever	1
3	51618X114HB	Hex Bolt	2
4	516LW	Lock Washer	1
5	51618HN	Hex Nut	1
6	380368	Right Console Assembly	1
7	121676	Shoulder Screw	1
8	163297	Roller Guide	1
9	263299	Step Plate	1
10	516FW	Flat Washer	4
11	701-100-02	Nylock Hex Nut	2
12	1420X12SHCS	Socket Head Cap Screw	4
13	121638	Nylon Bearing	2
14	370694	Operator's Seat Mount Weldment	1
15	121388	Adjustable Seat	1
16	121352	Seat Switch	1

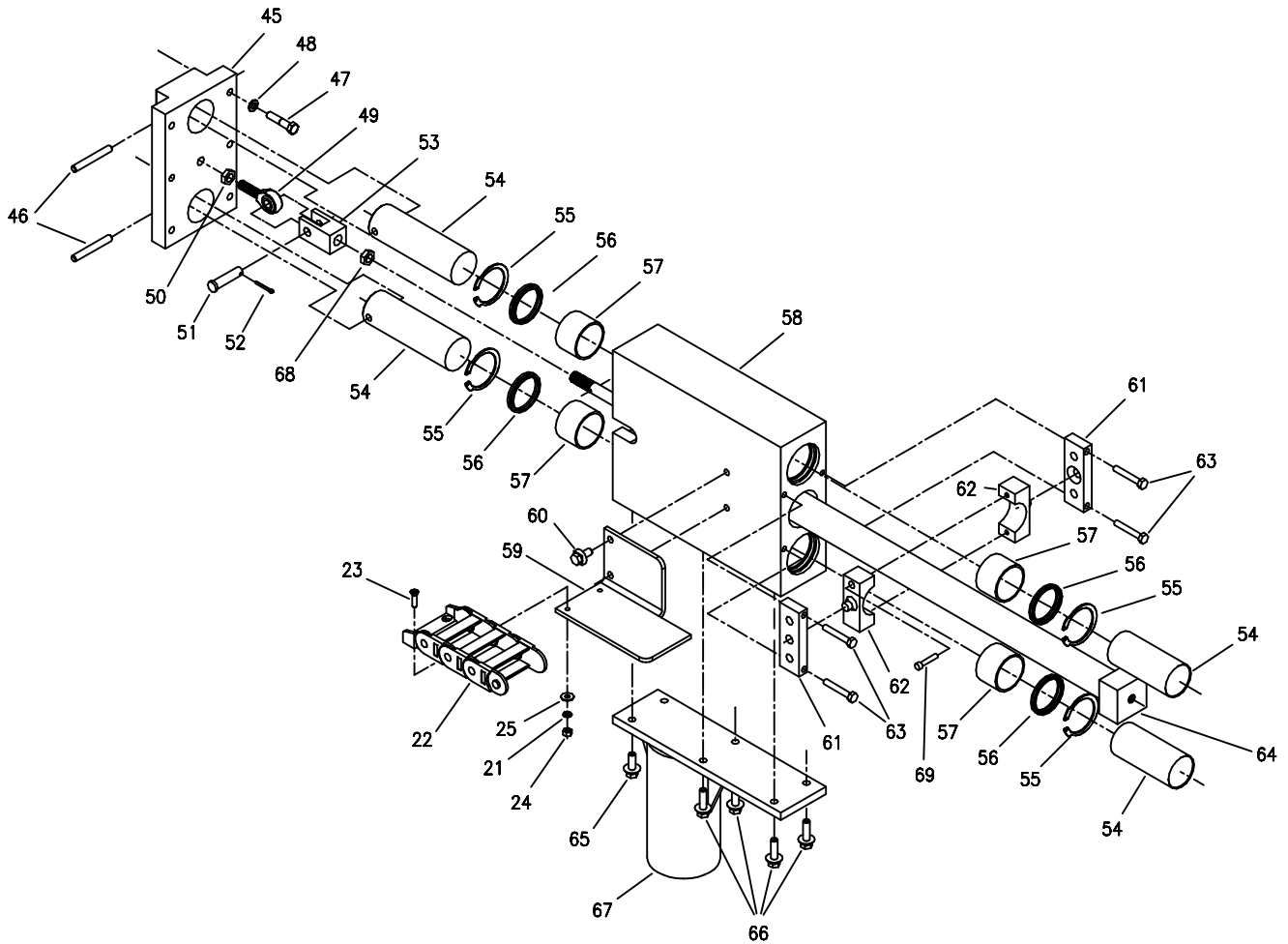
# Pipe Loader Assembly Horizontal



## Pipe Loader Assembly Horizontal Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	363099	Vertical Block	1
2	236-4773-02	Bearing	4
3	121551	Retaining Ring	4
4	121547	Rod Wiper	4
5	263101	Vertical Rod	2
6	163123	Vertical Spring	2
7	163270	Vertical Spring	2
8	163271	Stop Plate	2
9	12LW	Lock Washer	4
10	1213X114HB	Hex Bolt	2
11	163100	Poly Glide	1
12	110073	Rack Alteration	1
13	110074	Gear Alteration	1
14	121542	Mount Flange	1
15	121541	Hydraulic Motor	1
16	121562	Set Screw	1
17	51618X12HB	Hex Bolt	2
18	516LW	Lock Washer	4
19	263103	Chain Bracket	1
20	1420X12HB	Hex Bolt	2
21	14LW	Lock Washer	6
22	221545	Energy Chain	1
23	1420X1FPHMS	Machine Screw	4
24	14FW	Flat Washer	6
25	1240Hn	Hex Nut	4
26	270610	Housing Weldment	1
27	163108	Gripper Pin	1
28	121143	Hex Nut	2
29	221553	Hydraulic Cylinder	1
30	163104	Gripper Block	1
31	51318X112SHCS	Cap Screw	2
32	270675	Right Jaw Weldment	1
33	270674	Left Jaw Weldment	1
34	161244	Short Pivot Pin	2
35	260749	Support Block	2
36	701-127-02	Grease Zerk	4
37	162159	Dowel Pin	2
38	160451	Spacer Tube	2
39	1213X112SCHS	Screw Cap	2
40	161238	Long Pivot Pin	2
41	263107	Mount Plate	1
42	701-222-02	Cap Screw	4
43	163151	Pin	1
44	121552	Retaining Ring	2

# Pipe Loader Assembly Vertical

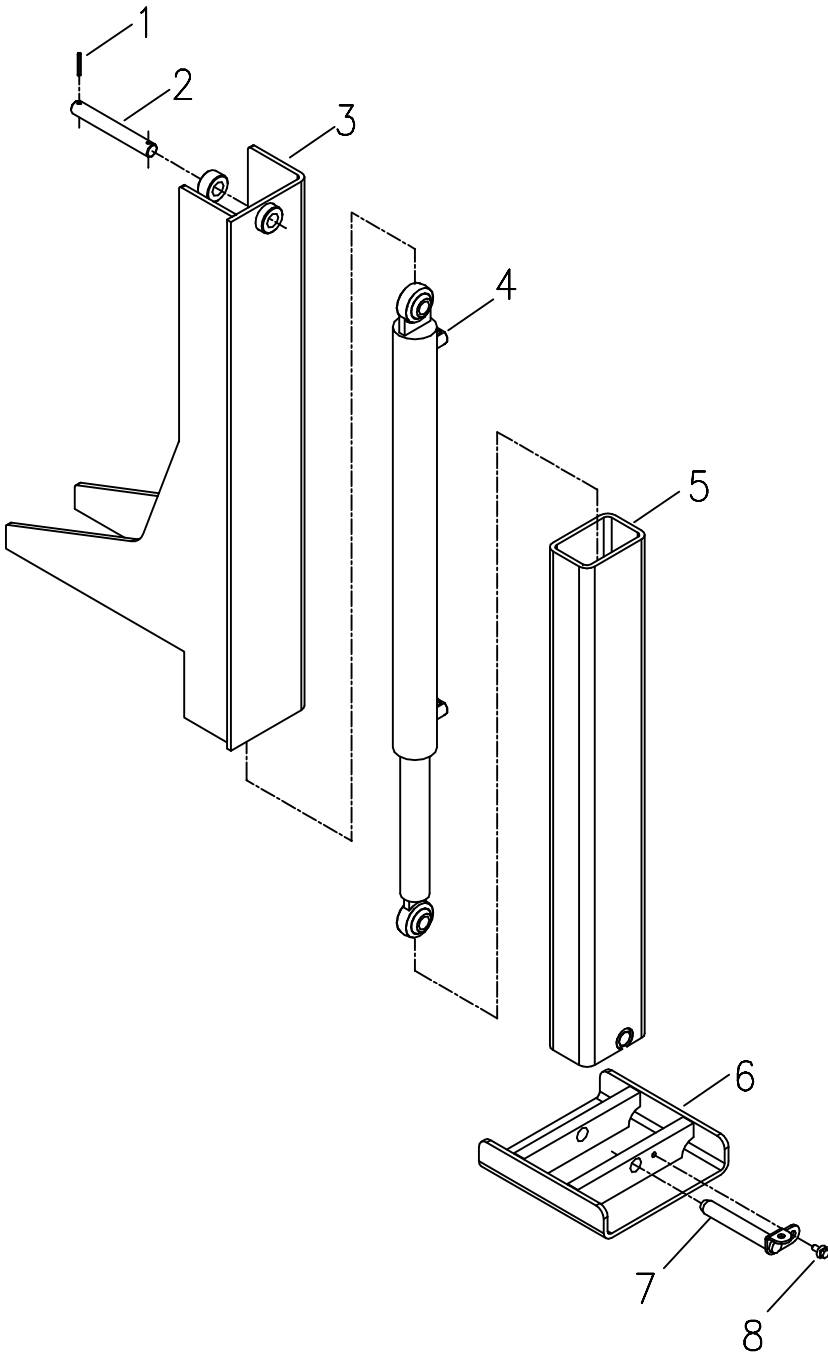


## Pipe Loader Assembly Vertical Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
45	263096	Vertical Anchor	1
46	163097	Cylinder Pin	1
47	3816X134HB	Hex Bolt	6
48	38LW	Lock Washer	6
49	121116	Male Balljoint	1
50	1220HJN	Jam Nut	1
51	701-211-02	Clevis Pin	1
52	121554	Cotter Pin	1
53	163094	Horizontal Clevis	1
54	263218	Horizontal Rod	2
55	121549	Retaining Ring	4
56	121546	Rod Wiper	4
57	236-4774-02	Bearing	4
58	363093	Horizontal Block	1
59	263098	Chain Bracket	1
60	3816X34WHB	Hex Bolt	2
61	163095	Trunnion Mount	2
62	263409	Trunnion Cylinder	2
63	51618X2HB	Hex bolt	4
64	221540	Hydraulic Cylinder	1
65	3816X1WHB	Hex bolt	2
66	3816X114WHB	Hex bolt	4
67	270676	Mast Weldment	1
68	3410HJN	Hex Nut	1
69	1420X114SCHS	Cap Screw	2



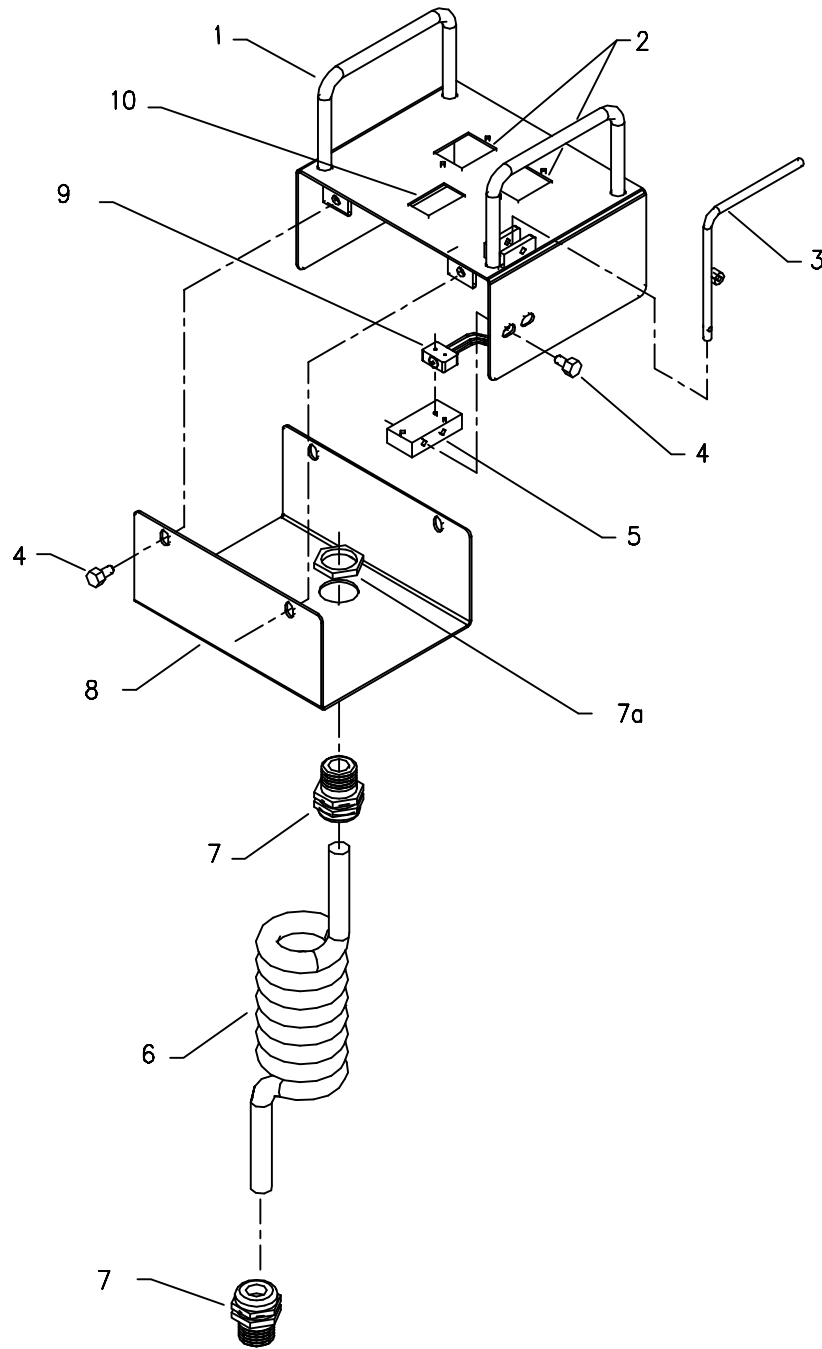
# Rear Foot Assembly



## Rear Foot Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	121808	Rivet Nut Insert	2
2	163222	Cylinder Pin	2
3	470729	Track Frame Weldment	1
4	221485	Hydraulic Cylinder	1
5	270630	Rear Leg Guide Weldment	2
6	270735	Rear Foot Pad Weldment	2
7	270659	Rear Foot Pad Pin Weldment	2
8	3816X34WHB	Whiz Hex Bolt	2

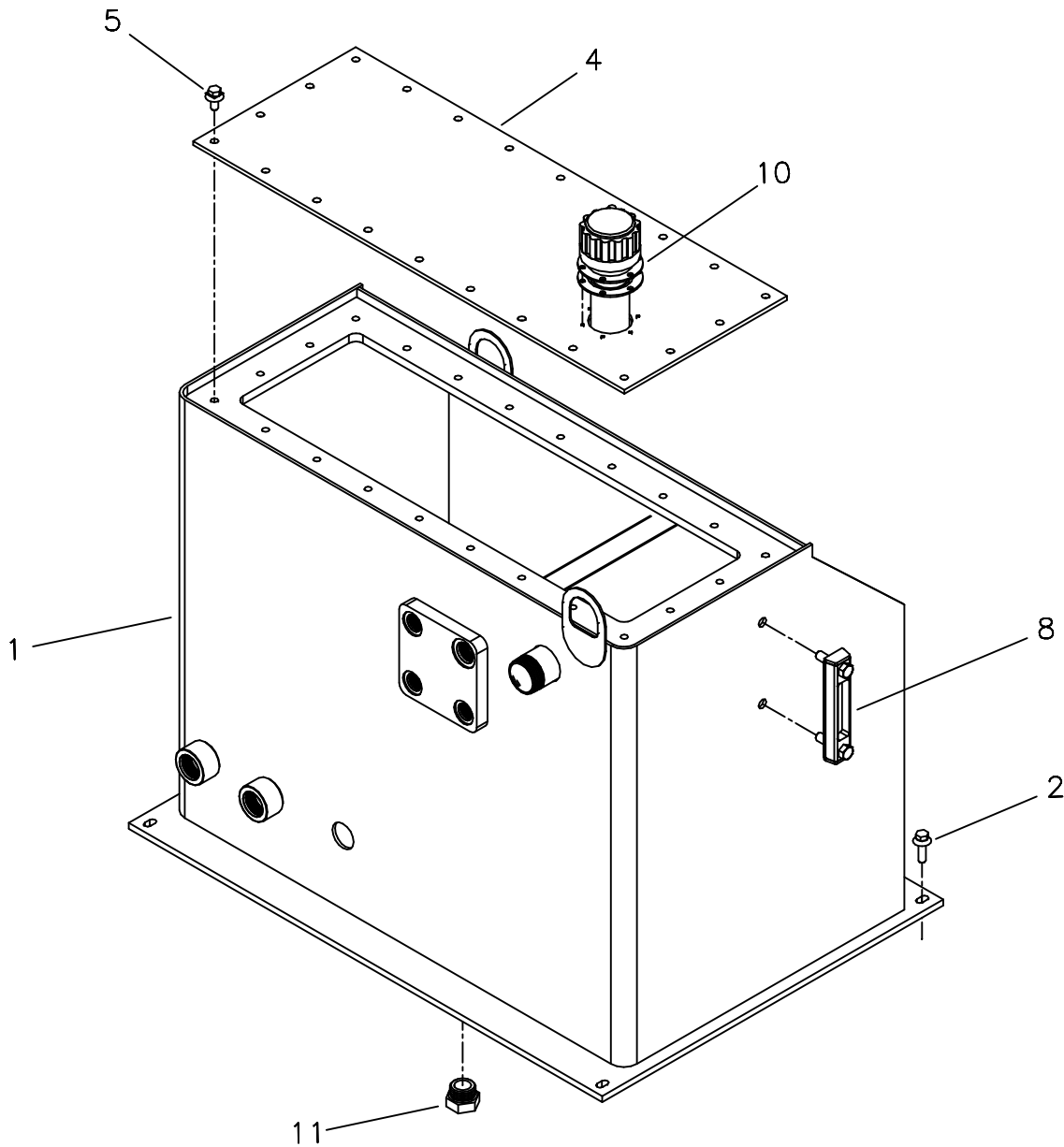
# Rear Tram Control Assembly



## Rear Tram Control Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	270706	Rear Controller Top Channel Weldment	1
2	121728	Joystick Paddle	2
3	170707	Rear Control Safety Handle Weldment	1
-	1024X1MS	Included with 170707	-
-	1024HN	Included with 170707	-
4	1420X12WHB	Whiz Hex Bolt	6
5	163274	Safety Switch Mount	1
6	121412	Retractable Cable	1
7	120495	Cable Connector	2
7a		Cable Connector Ring	1
8	263276	Rear Controller Bottom Channel	1
9	121620	Deadman Tram Switch	1
-	2MMX20MMMS	Included with 121620	-
-	2MMHN	Included with 121620	-
10	121598	Universal Rocker Switch	1

## Reservoir Assembly

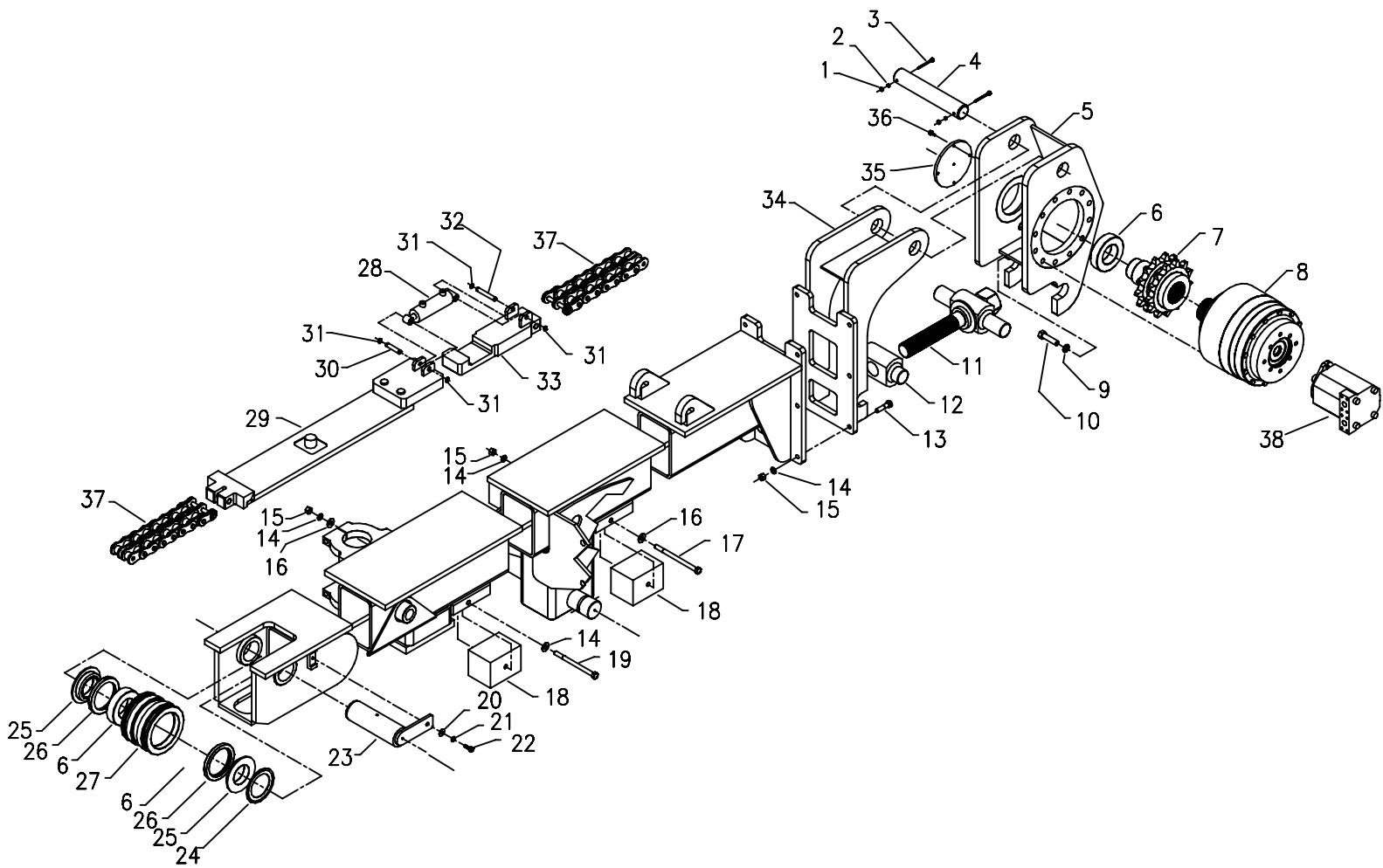


NOTE: ITEMS 3, 6, 7 AND 9 ARE LOCATED INSIDE THE RESERVOIR TANK AND ARE NOT SHOWN

## Reservoir Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	470678	55 Gallon Reservoir Weldment	1
2	3816X114WHB	Whiz Hex Bolt	4
3	263132	Strainer Plate	1
4	263134	Reservoir Lid	1
5	3816X34WHB	Whiz Hex Bolt	22
6	121565	Pipe Nipple	1
7	236-1091-02	Pipe Elbow	1
8	202-400-02	Sight Gauge	1
9	120109	Magnet	5
10	202-405-02	Vented Filler Cap	1
11	16MBPLUG	Drain Plug	1

# Thrust Assembly

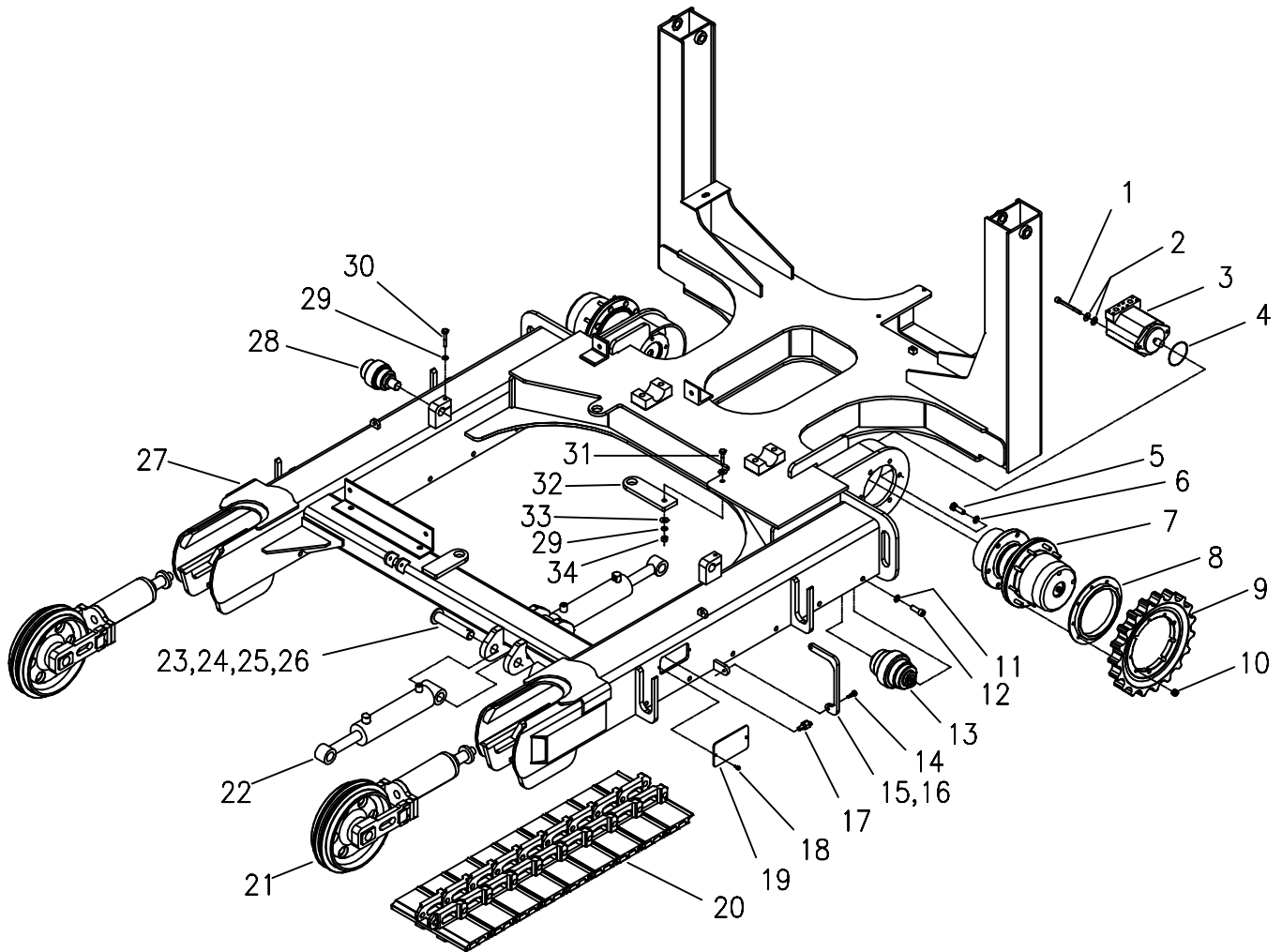


## Thrust Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	236-8366-02	Nylock Nut	2
2	14LW	Lock Washer	2
3	1420X212HB	Hex Bolt	2
4	163198	Pivot Pin	1
5	470648	Thrust Frame Weldment	1
6	121518	Spherical Roller Bearing	3
7	270656	Thrust Drive Sprocket Weldment	1
8	221383	S3A6 Torque Hub 3 Series Geardrive	1
9	58LW	Lock Washer	12
10	5811X212HB	Hex Bolt	12
11	270646	Chain Tension Adjustment Bolt Weldment	1
12	262982	Chain Tension Adjustment Nut Pin	1
13	1213X212HB	Hex Bolt	6
14	12LW	Lock Washer	6
15	1213HN	Hex Nut	6
16	12FW	Flat Washer	3
17	1213X712HB	Hex Bolt	1
18	121635	Thrust Chain Wear Block	2
19	1213X7HB	Hex Bolt	1
20	38FW	Flat Washer	1
21	38LW	Lock Washer	1
22	3816X1HB	Hex Bolt	1
23	270651	Thrust Idler Pin Weldment	1
24	163014	Thrust Drive Bearing Grease Shield	1
25	262997	Thrust Chain idler Spacer	2
26	121523	Oil Seal	2
27	262998	Thrust Chain Idler	1
28	221501	Hydraulic Cylinder	1
29	370661	Thrust Chain Front Anchor Weldment	1
30	236-3751-04	Cylinder Pin	1
31	701-632-02	Retaining Ring	4
32	163246	Cylinder Pin	1
33	270660	Thrust Chain Rear Anchor Weldment	1
34	370649	Thrust Frame Mount Weldment	1
35	163019	Bearing Cap	1
36	1420X58WHB	Hex Whiz Bolt	4
37	221470	Chain Roller	1
38	221446	Hydraulic Motor	1



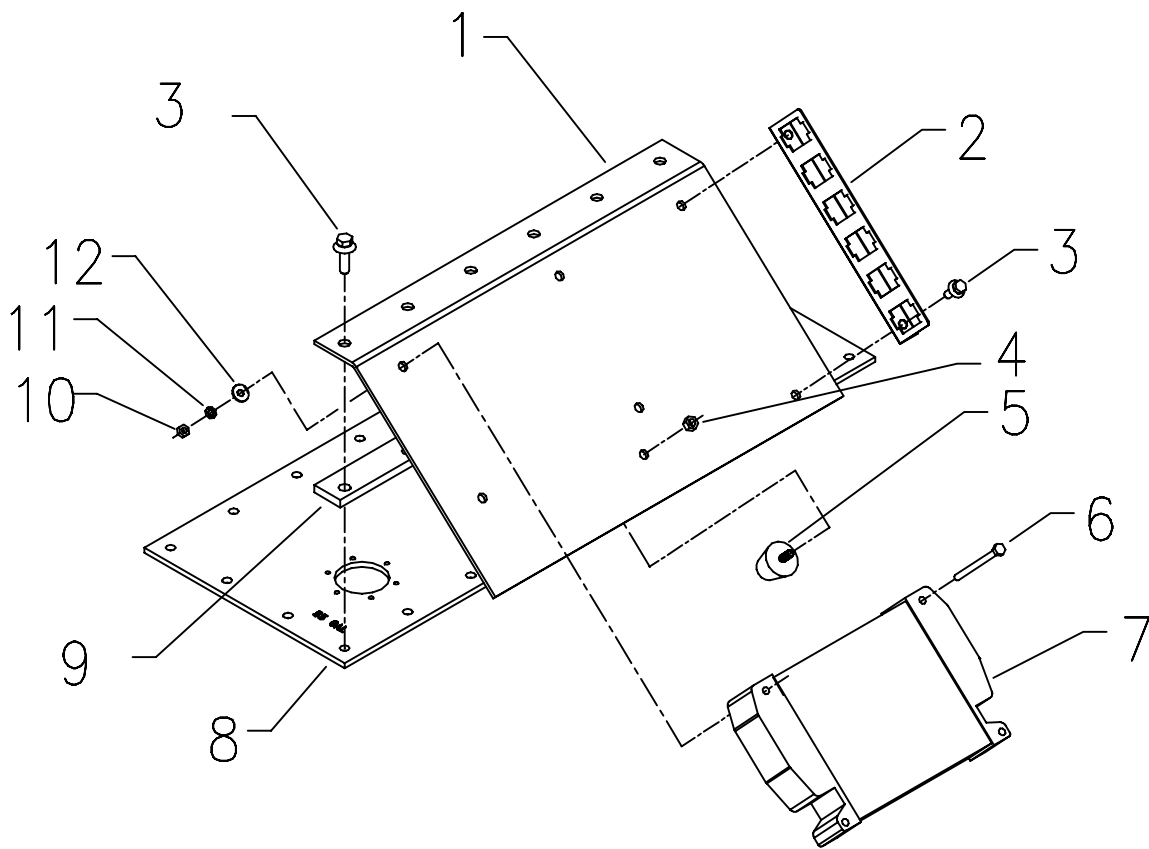
# Track Frame Assembly



## Track Frame Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	1213X412SHCS	Socket Head Cap Screw	4
2	120943	Disk Lock Washer	8
3	221456	Hydraulic Fixed Speed Rotation Motor	2
4	121108	Rubber O'ring	2
5	5811X112HB	Hex Bolt	12
6	56LW	Lock Washer	12
7	221384	Geardrive	2
8	362901	Track Geardrive Sprocket Spacer	2
9	310087	Hydraulic Wrench Cylinder	2
10	121326	Reversible Lock Hex Nut	18
11	121328	Lock Washer	28
12	121327	Cap Screw	28
13	221323	Lower Track Roller	14
14	121325	Shoulder Screw	2
15	262903	Trackframe Mounted Stake Retainer	2
16	236-1281-02	Snapper Pin	2
17	120768	Grease Valve Kit	2
18	1420X12WHB	Whiz Hex Bolt	4
19	162902	Track Adjustment Cover Panel	2
20	221332	Rubber Track Chain	2
21	221329	Track Idler	2
22	121453	Tilt Cylinder	2
23	170693	Cylinder Pin Weldment	2
24	1420XHB	Hex Bolt	2
25	14LW	Lock Washer	2
26	236-8366-02	Elastic Stop Hex Nut	2
27	470729	Track Frame Weldment	1
28	221324	Upper Track Roller	2
29	12LW	Lock Washer	2
30	1220X212HB	Hex bolt	2
31	1213X2HB	Hex bolt	1
32	163135	Fuel Tank Isolator Mount	1
33	12FW	Flat Washer	2
34	1213HN	Hex Nut	1

## Microprocessor Assembly



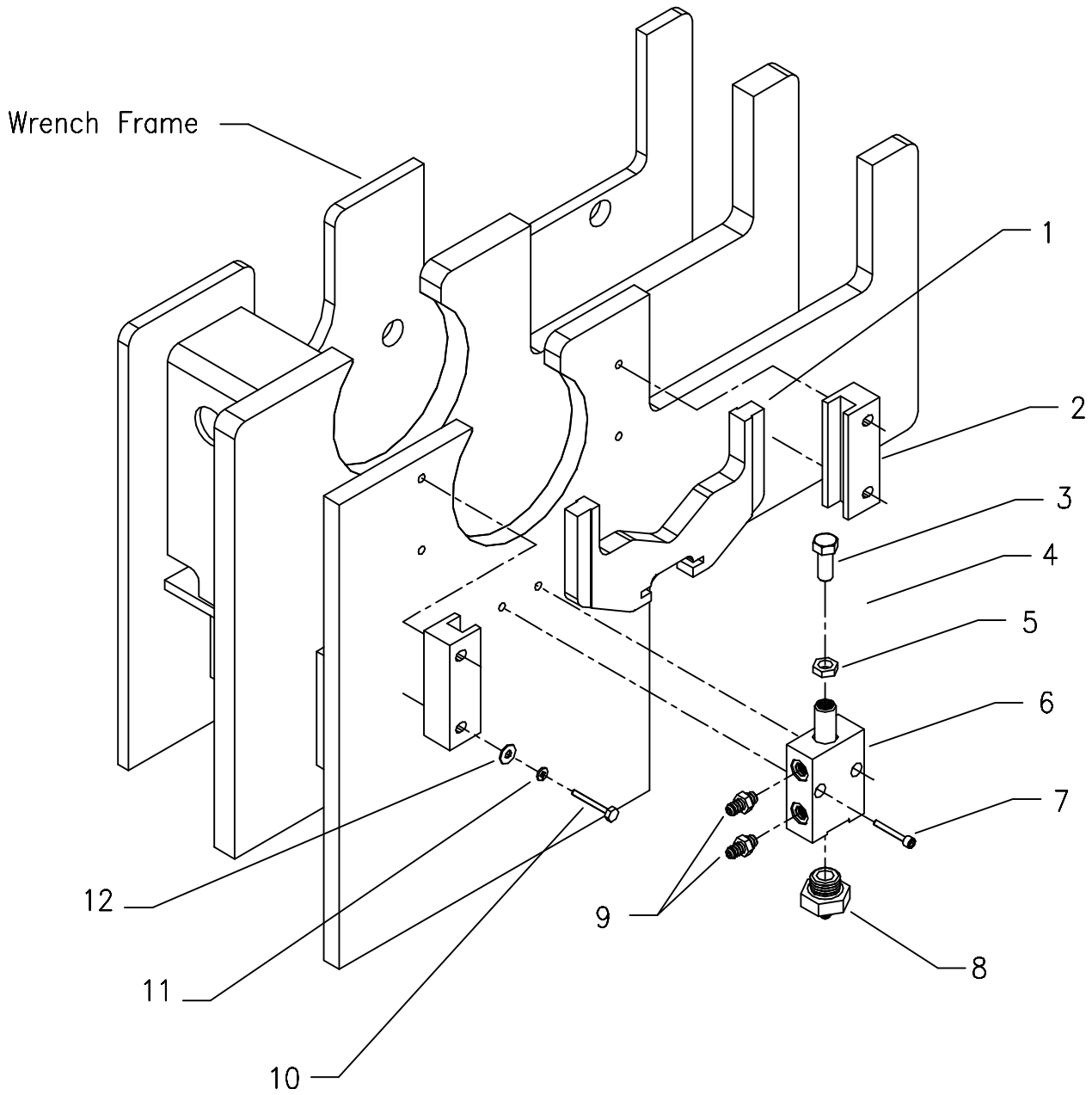
NOT SHOWN:

121828 - CONNECTOR, PLC - REXROTH MICROPROCESSOR (MC6E) - QTY 2

## Microprocessor Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	263542	Microprocessor Mount	1
2	263547	Connector Bracket	1
3	51618X34WHB	Whiz Hex Bolt	2
4	51618WHN	Whiz Hex Nut	2
5	121320	Vibration Mount Machine Screw	1
6	1420X312HB	Hex Bolt	4
7	221671	Microprocessor	1
8	263134	Reservoir Lid	1
9	163546	Mount Shim	1
10	1420HN	Hex Nut	1
11	14LW	Lock Washer	4
11	14FW	Flat Washer	4

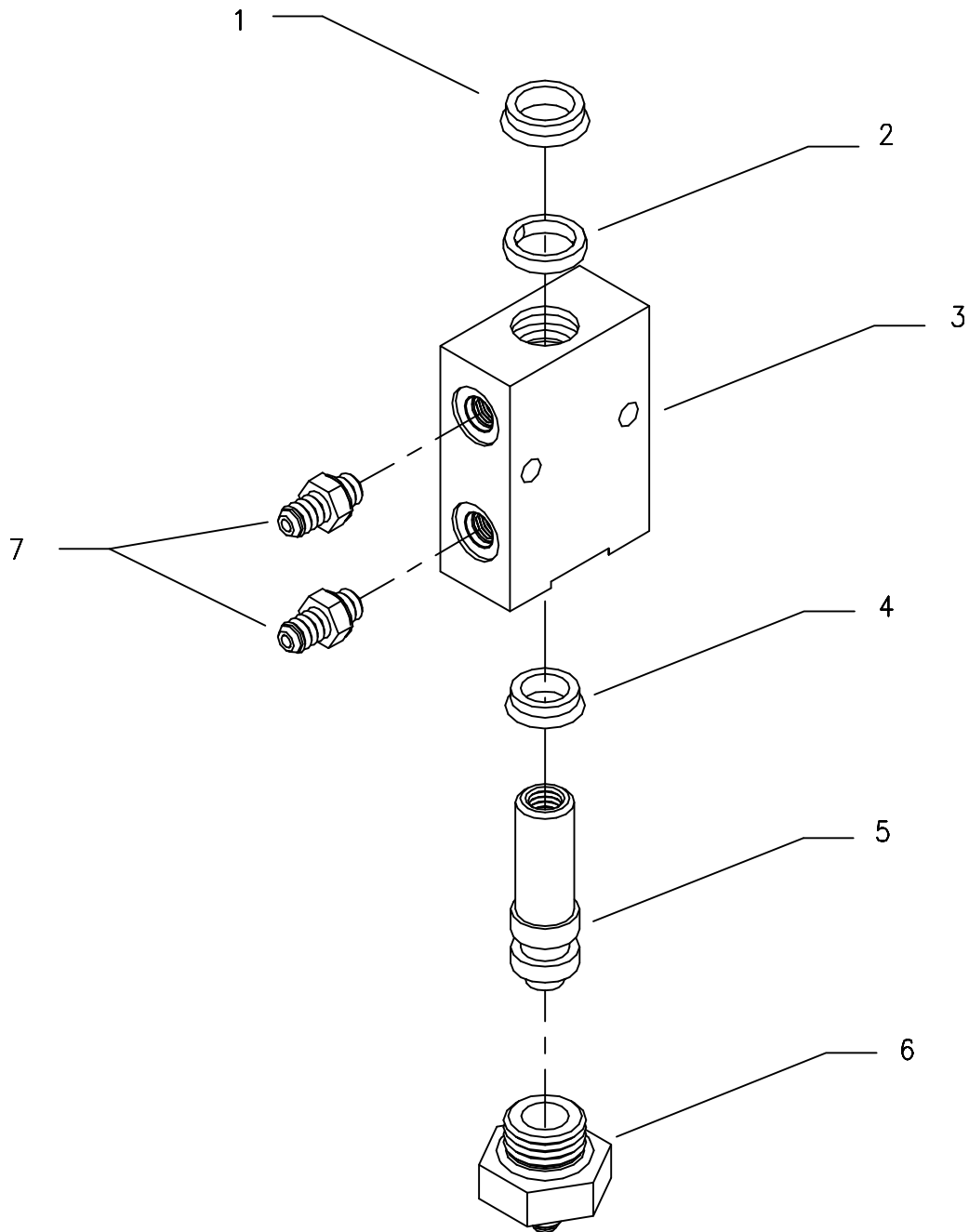
# Front Stem Catcher Assembly



## Front Stem Catcher Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	263253	Catcher Plate	1
2	163254	Guide Plate	2
3	121X114HB	Hex bolt	1
4	163259	Retractor Plate	1
5	1213HJN	Hex Jam Nut	1
6	280393	Cylinder Assembly	1
7	1420X112SHCS	Cap Screw	2
8	12MB4MJ	Adapter	REF
9	4MB4MJ	Adapter	REF
10	1420X134HB	Hex Bolt	4
11	14LW	Lock Washer	4
12	14FW	Flat Washer	4

# Hydraulic Cylinder Assembly

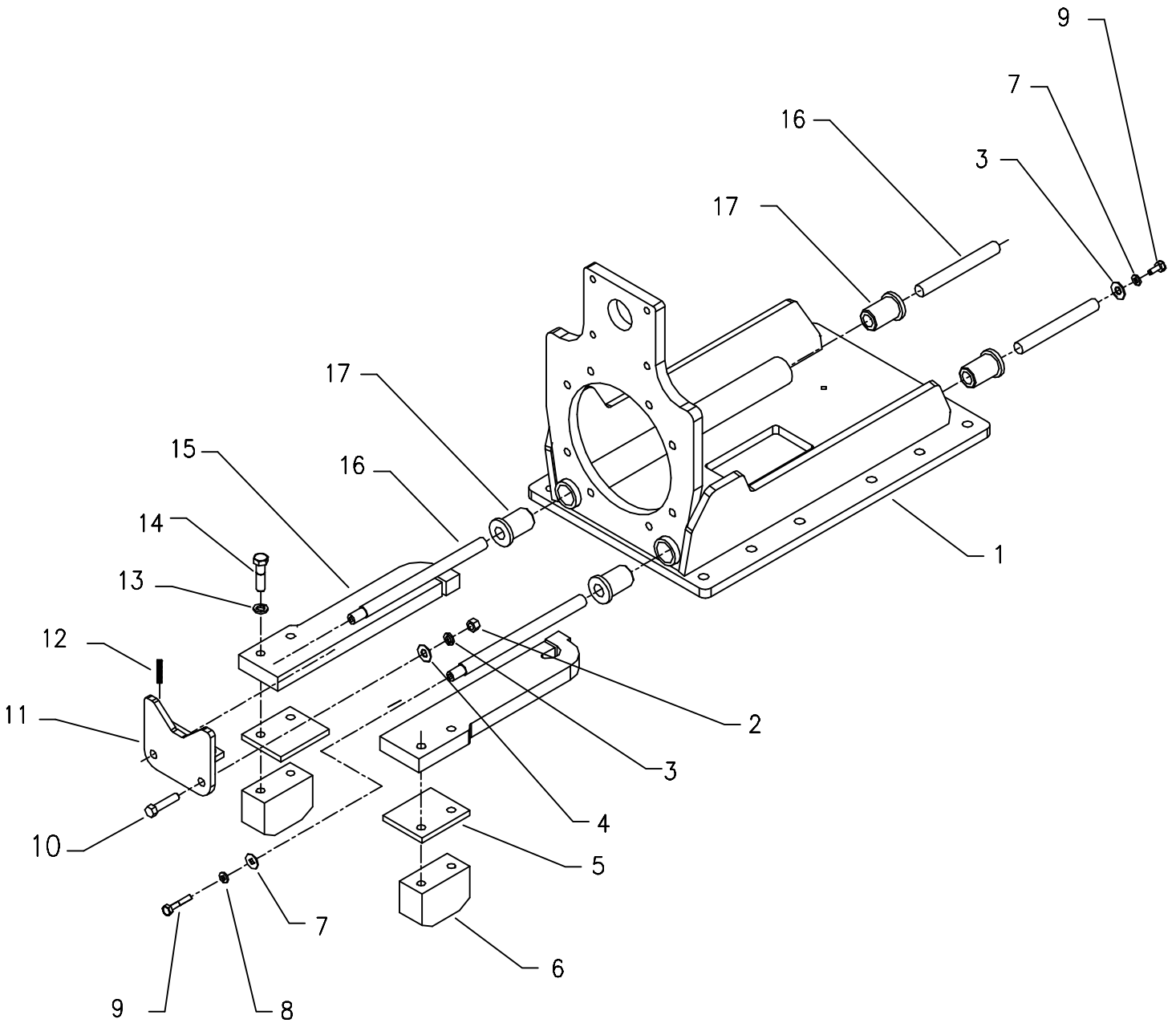


## Hydraulic Cylinder Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	121644	Rod Cylinder Seal	1
2	121645	Wiper Cylinder Seal	1
3	263247	Hyd. Front Stem Catcher Cylinder	1
4	121643	Piston Cylinder Seal	1
5	163252	Cylinder Rod	1
6	12MB4MJ	Adapter	1
7	4MB4MJ	Adapter	2



# Rear Stem Catcher Assembly



## Rear Stem Catcher Assembly Parts List

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1	370641	Carriage Weldment	REF
2	71614HN	Hex Nut	2
3	716LW	Lock Washer	2
4	716FW	Flat Washer	2
5	163225	Wear Plate	2
6	163230	Spacer Block	2
7	38FW	Flat Washer	2
8	38LW	Lock Washer	2
9	3816X134HB	Hex Bolt	2
10	71614X2HB	Hex Bolt	2
11	170703	Plate Weldment	1
12	3816X112SHSS	Set Screw	2
13	12LW	Lock Washer	4
14	1213X2HB	Hex Bolt	4
15	270702	Catcher Weldment	1
16	263227	Rod Guide	2
17	163231	Rod Guide	4