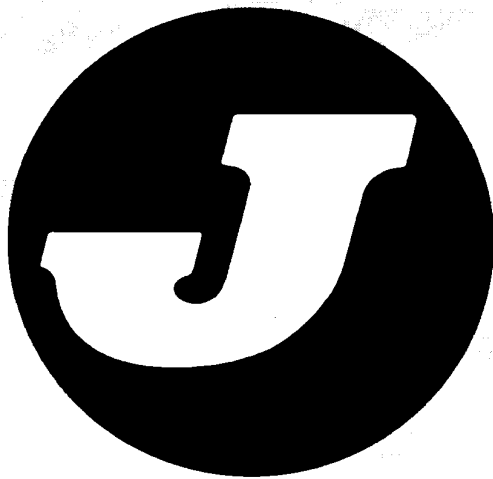

\$35.00

HIP40

**OPERATIONS, MAINTENANCE,
AND PARTS MANUAL**



JERR-DAN[®]
CORP.

1080 Hykes Road
Greencastle, PA 17225

Phone (717) 597-7111

J-KK

Part Number 5-376-000047
Rev. 0

SUBFRAME INSTALLATION

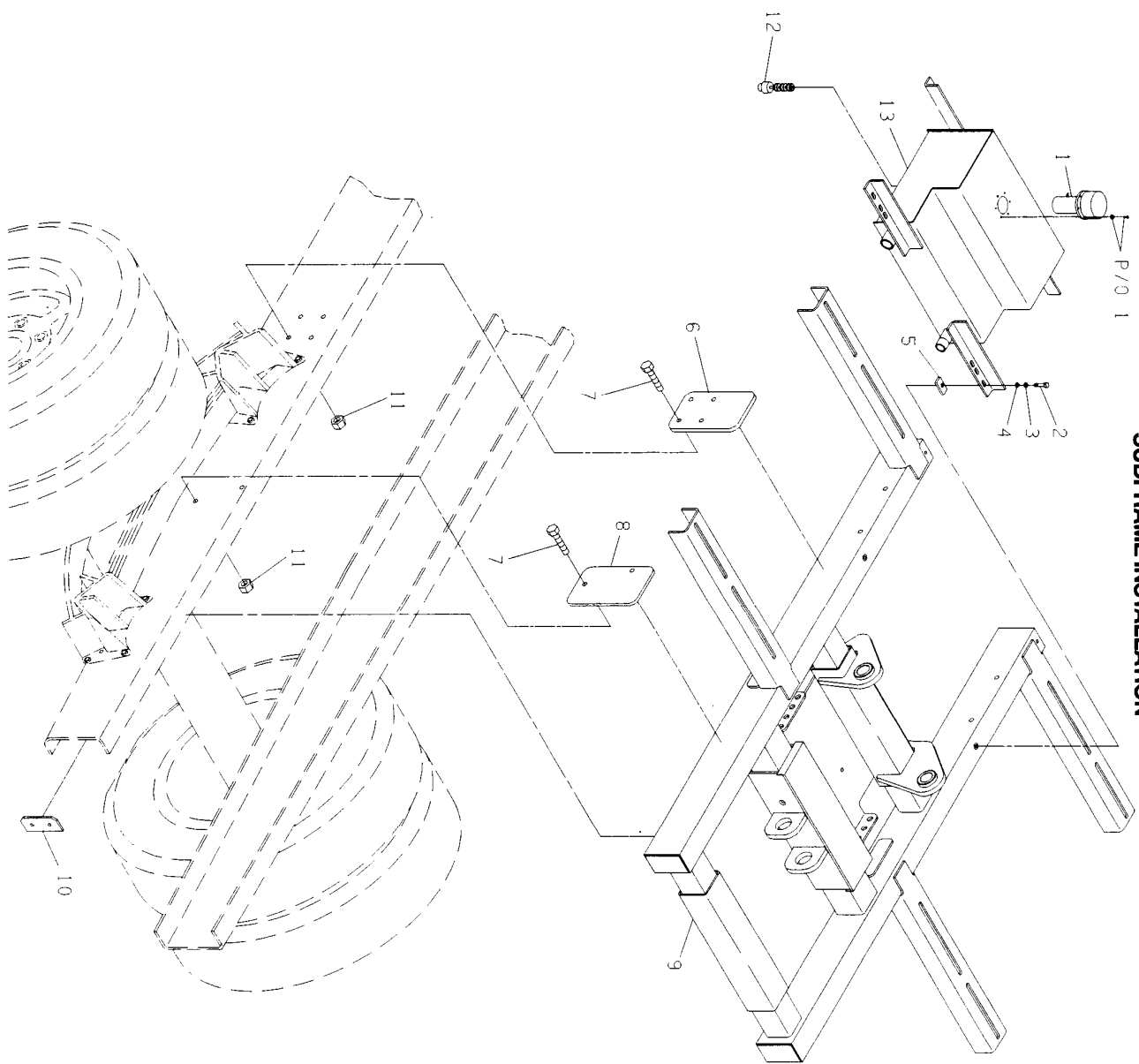
Ref No.	Part No.	Description	Qty.
1	3470000001	Breather Cap	1
2	7115161250	Capscrew	4
3	7950160000	Lockwasher	4
4	7950160151	Flat Washer	4
5	4831000075	Spacer	4
6	4706002324	Plate	2
7	7118181216	Capscrew	16
8	4706002509	Plate	2
9	3868000171	Subframe Assembly	1
10	4706002317	Plate	2
11	7660182301	Locknut	16
12	7701000026	Plug	1
13	3750000025	Hydraulic Tank	1

Rev. _____

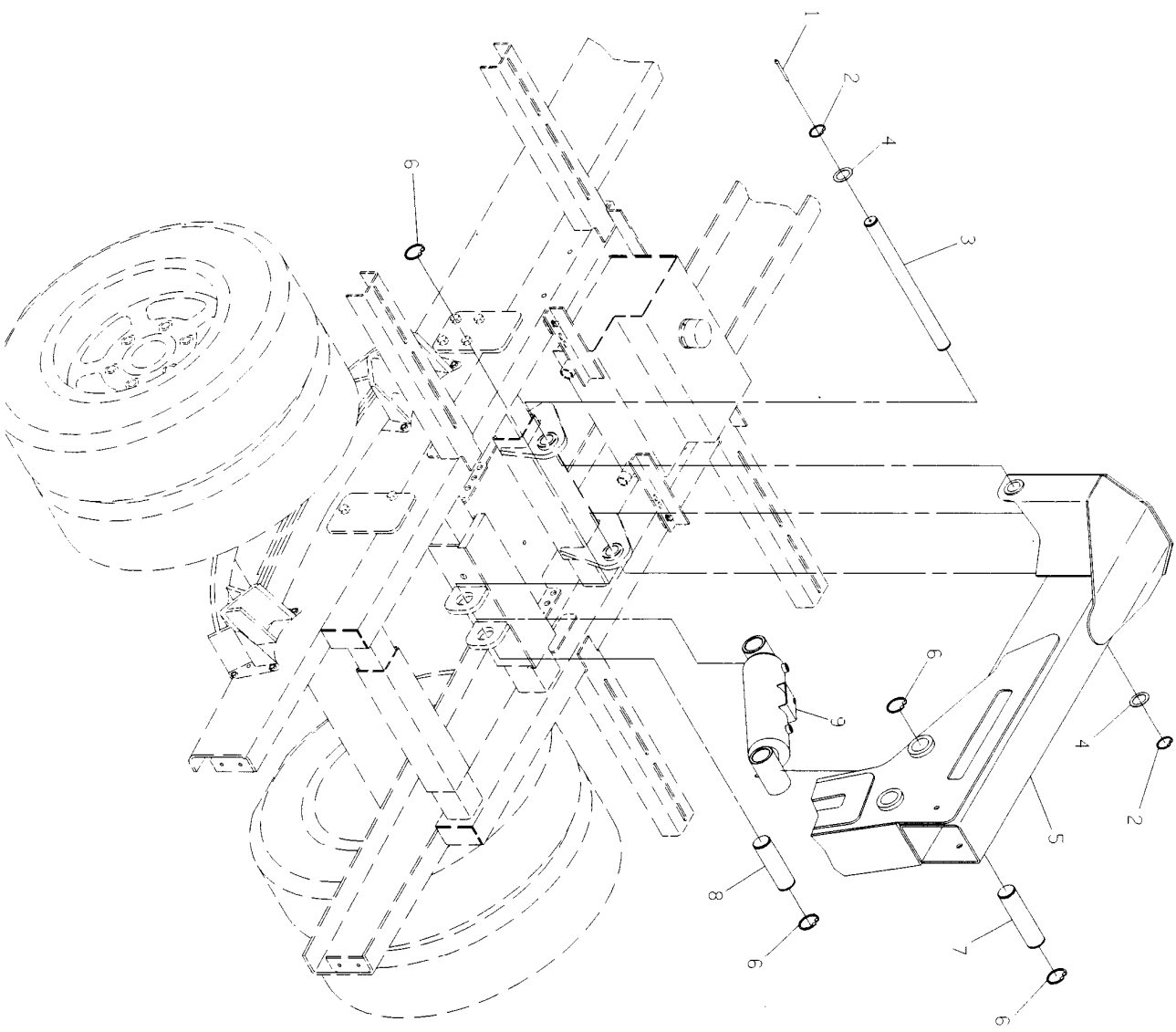
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Date _____

SUBFRAME INSTALLATION



UNDER LIFT BOOM INSTALLATION



UNDER LIFT BOOM INSTALLATION

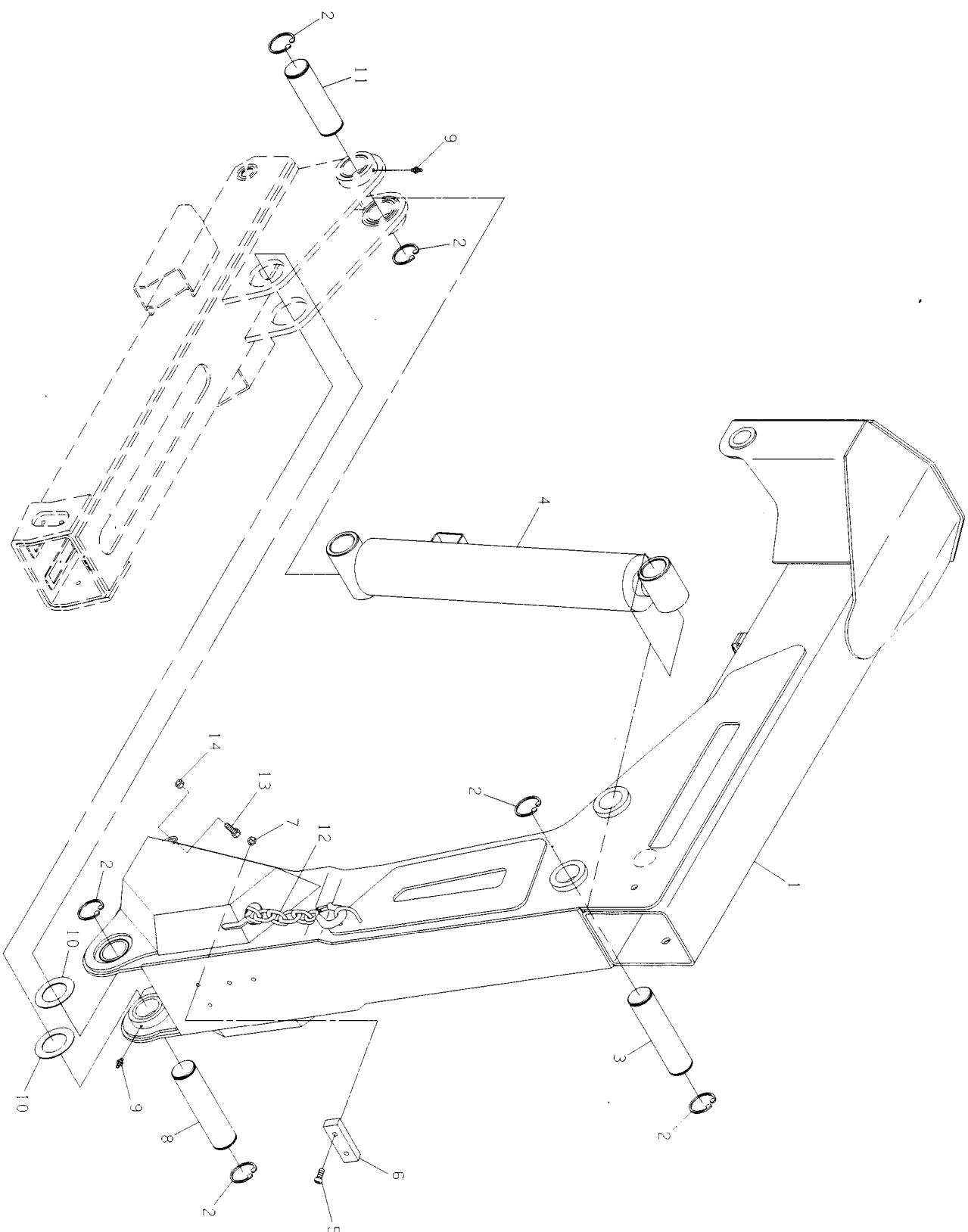
Ref No.	Part No.	Description	Qty.
1	7440030000	Grease Fitting	2
2	7754000033	Retaining Ring	2
3	4691000300	Pin	1
4	4949000051	Washer	2
5	3170000147	Europac Boom Assembly	1
6	7754000048	Retaining Ring	4
7	4691000303	Pin	1
8	4691000309	Pin	1
9	3320000065	Lift Cylinder Assembly	1

Rev. _____

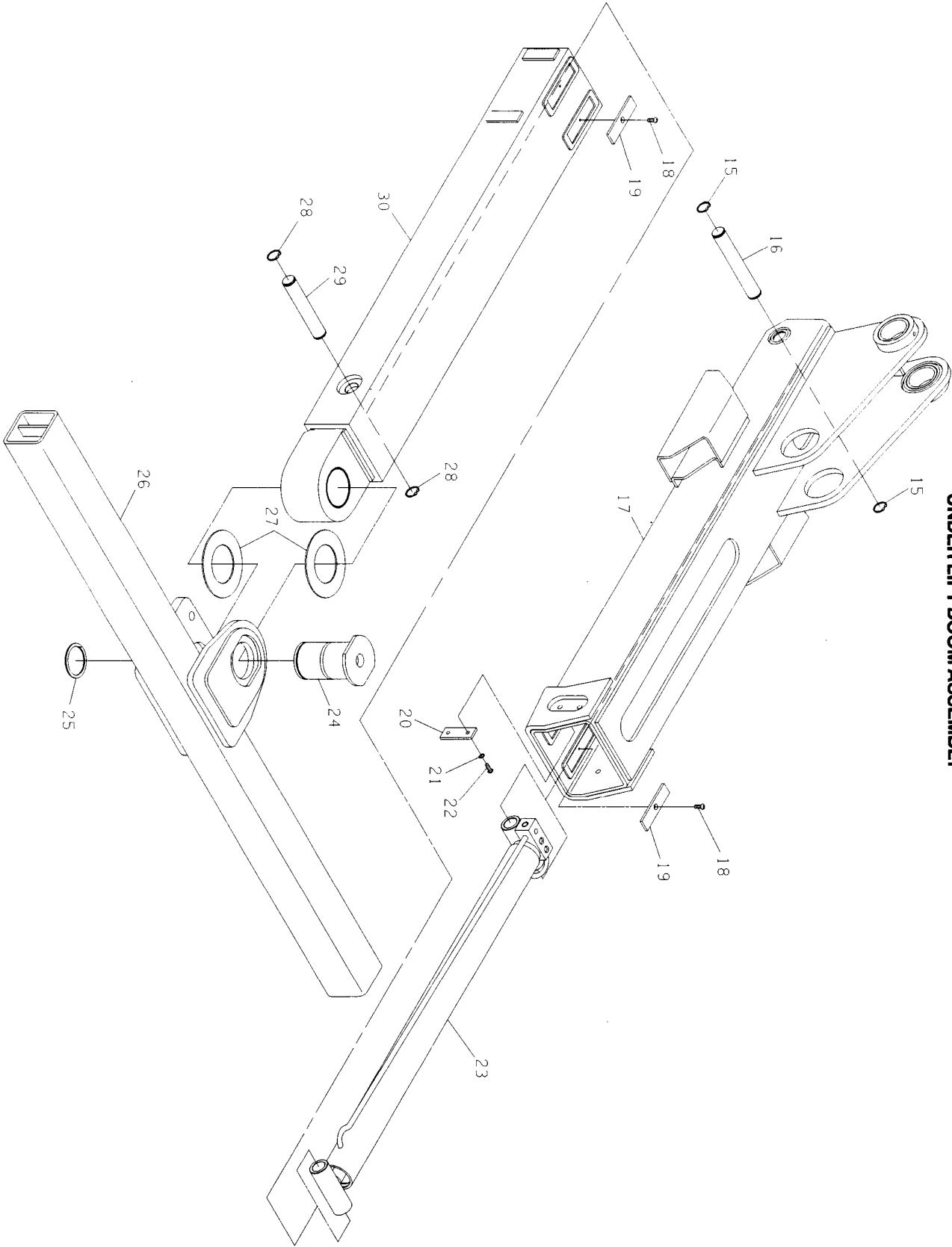
4.5

Date _____

UNDER LIFT BOOM ASSEMBLY



UNDER LIFT BOOM ASSEMBLY



UNDER LIFT BOOM ASSEMBLY

Ref. No.	Part No.	Description	Qty.
1	3170000142	Boom Tower Weldment	1
2	7754000048	Retaining Ring	6
3	4691000303	Pin	1
4	3320000066	Tilt Cylinder Assembly	1
5	7114141018	Capscrew	2
6	7679000010	Pad	1
7	7660142600	Locknut	2
8	4691000310	Pin	1
9	7440030000	Grease Fitting	4
10	4949000050	Washer	2
11	4691000309	Pin	1
12	7262000020	Chain With Latch Hook Assembly	2
13	7115161050	Capscrew	2
14	7660162601	Locknut	2
15	7754000056	Snap Ring	2
16	4691000308	Pin	1
17	3170000145	Underlift Outer Tube Weldment	1
18	7115100323	Capscrew	5
19	4679000156	Pad	5
20	4831000071	Spacer	2
21	7950150000	Washer	4
22	7105150450	Capscrew	4
23	3320000067	Underlift Ext/Ret Cylinder Assembly	1
24	4691000103	Pin	1
25	7754000024	Retaining Ring	1
26	3913000058	Pivot Tube Weldment	1
27	4949000047	Washer	2
28	7754000019	Retaining Ring	2
29	4691000307	Pin	1
30	3170000143	Underlift Inner Tube Weldment	1

Rev. _____

4.9

Date _____

WHEEL GRID INSTALLATION

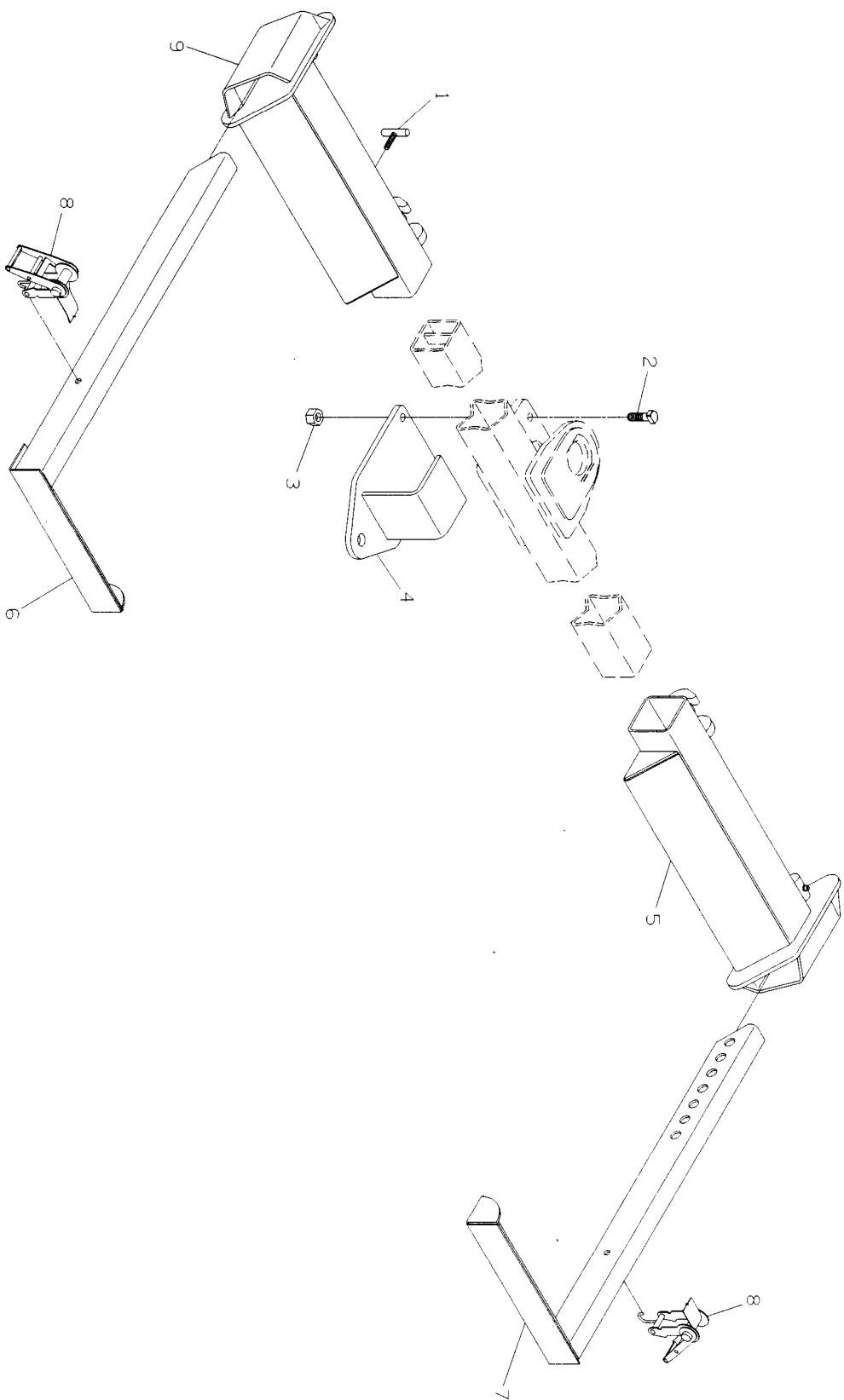
Ref No.	Part No.	Description	Qty.
1	3551000036	T-Handle Weldment	2
2	4120000013	Bolt	2
3	7660200008	Nut	2
4	3706000130	Ball Hitch Plate	1
5	3484000030	Grid Weldment, RH	1
6	3020000038	L-Arm Weldment, RH	1
7	3020000037	Arm Weldment, LH	1
8	7894000034	Light Tie Strap L-Arm	2
9	3484000031	Grid Weldment, LH	1

Rev. _____

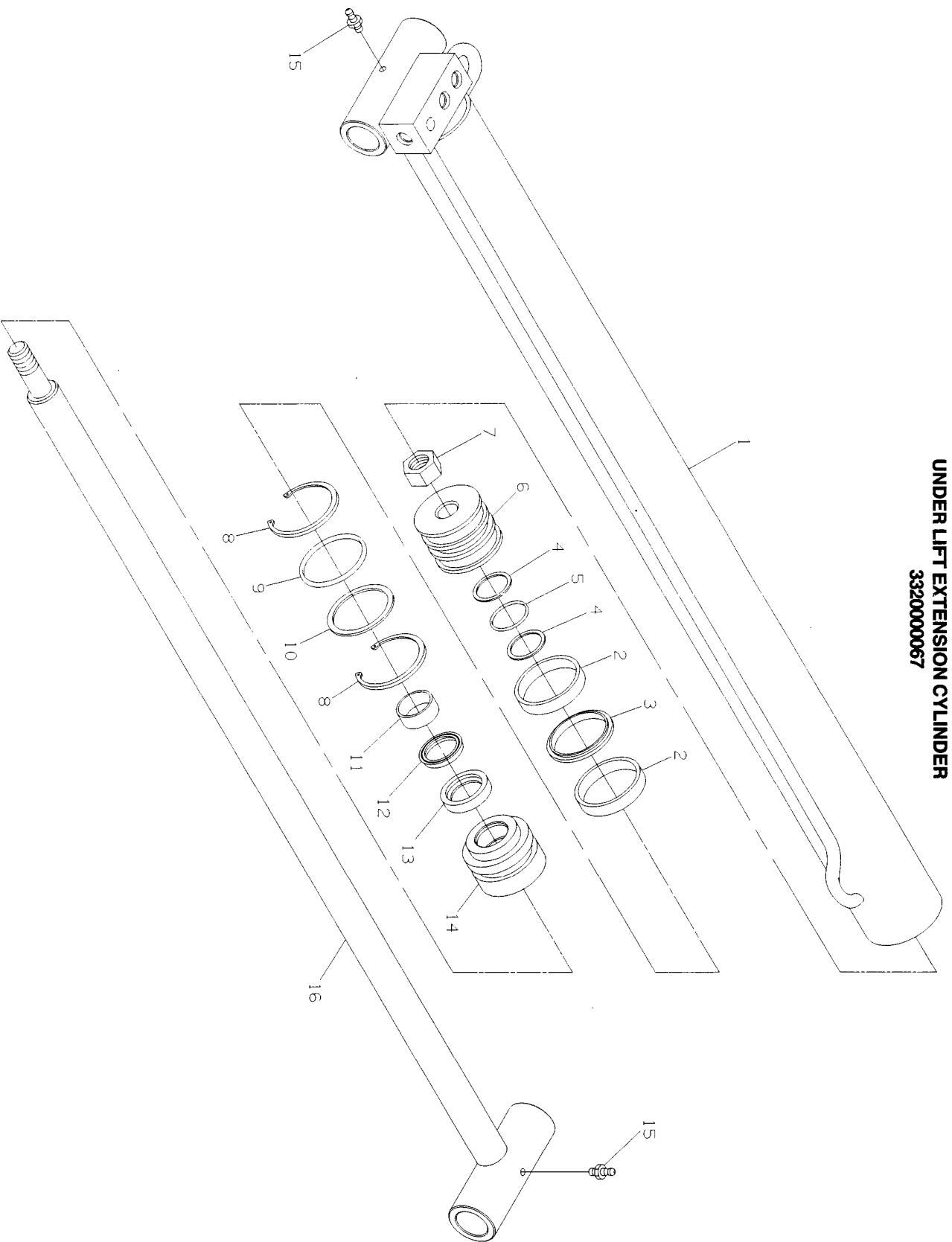
4.10

Date _____

WHEEL GRID INSTALLATION



UNDER LIFT EXTENSION CYLINDER 3320000067



**UNDER LIFT EXTENSION CYLINDER
3320000067**

Ref. No.	Part No.	Description	Qty.
1	3071000063	Underlift Cylinder Barrel	1
2	7796000030*	Wear Ring	2
3	7796000026*	Piston Seal	1
4	7755214609*	Backup Ring	2
5	7755214000*	O-Ring	1
6	4698000011	Piston	1
7	7660201631	Locknut	1
8	7754000001	Retaining Ring	2
9	7755327000*	O-Ring	1
10	7755327609*	Backup Ring	1
11	7754000036*	Wear Ring	1
12	7796000023*	Rod Seal	1
13	7796000005*	Rod Wiper Seal	1
14	4553000015	Head	1
15	7440030000	Grease Fitting	2
16	3763000084	Underlift Cylinder Rod	1

* Available only in Service Kit 7577250041

Rev. _____

4.13

Date _____

**TILT CYLINDER
3320000066**

Ref. No.	Part No.	Description	Qty.
1	7440030000	Grease Fitting	2
2	3071000062	Tilt Cylinder Barrel	1
3	7660341631	Nut	1
4	4698000008	Piston	1
5	7755226609*	Backup Ring	2
6	7755226000*	O-Ring	1
7	7754000011*	Piston Wear Ring	2
8	7796000009*	Piston Seal	1
9	3763000083	Tilt Cylinder Rod	1
10	4553000009	Head	1
11	7754000013	Retaining Ring	1
12	7796000011*	Rod Wiper Seal	1
13	7755342609*	Backup Ring	1
14	7755342000*	O-Ring	1
15	7796000025*	Rod Seal	1
16	7754000012*	Piston Ring	1
17	7754000028	Retaining Ring	1

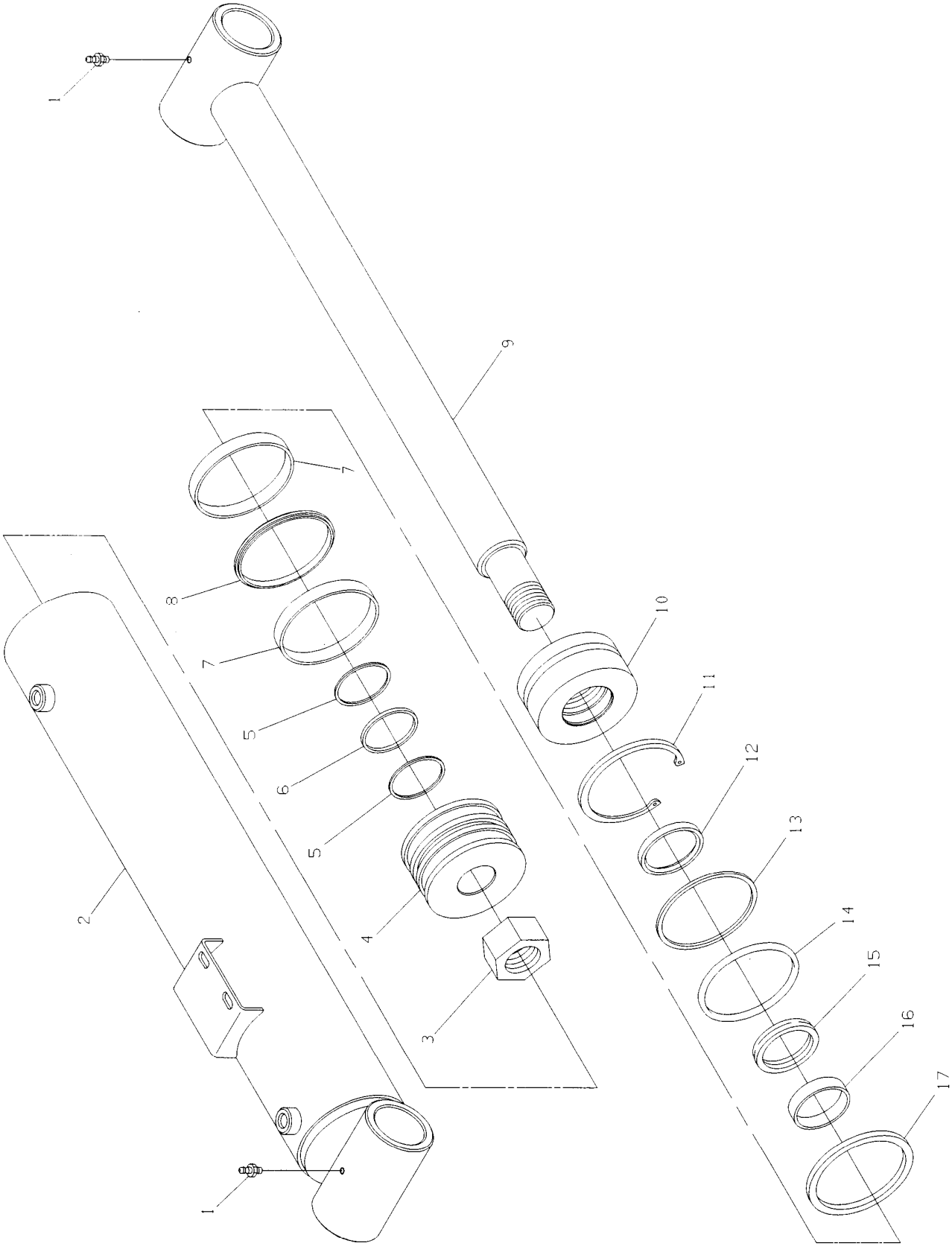
* Available only in Service Kit 7577250026

Rev. _____

4.14

Date _____

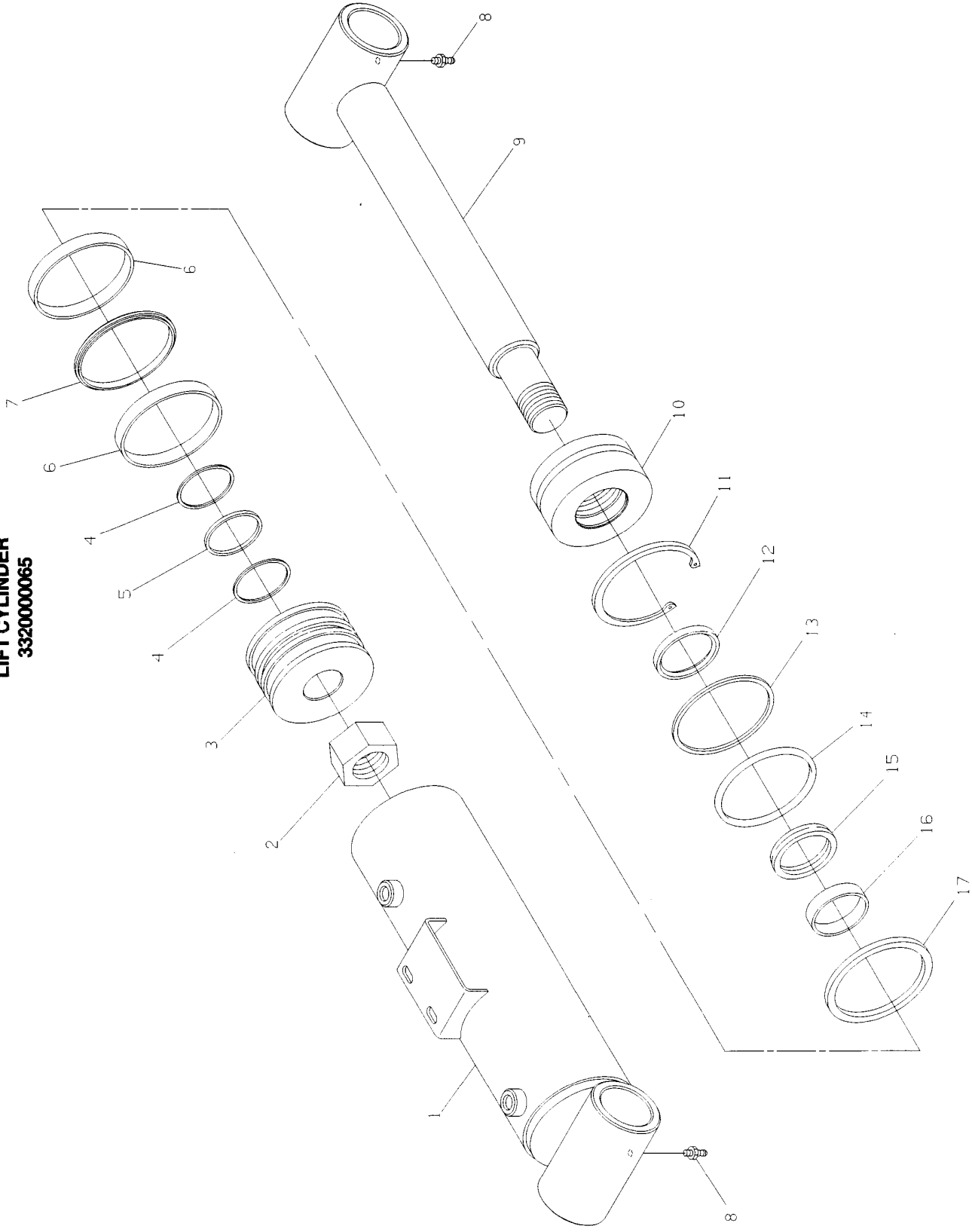
TILT CYLINDER 3320000066



Rev. _____

Date _____

LIFT CYLINDER
3320000065



Rev. _____

Date _____

**LIFT CYLINDER
3320000065**

Ref. No.	Part No.	Description	Qty.
1	3071000061	Lift Cylinder Barrel	1
2	7660341631	Nut	1
3	4698000008	Piston	1
4	7755226609*	Backup Ring	2
5	7755226000*	O-Ring	1
6	7754000011*	Wear Ring	2
7	7796000009*	Piston Seal	1
8	7440030000	Grease Fitting	2
9	3763000082	Lift Cylinder Rod	1
10	4553000009	Head	1
11	7754000013	Retaining Ring	1
12	7796000011*	Rod Wiper Seal	1
13	7755342609*	Backup Ring	1
14	7755342000*	O-Ring	1
15	7796000025*	Rod Seal	1
16	7754000012*	Wear Ring	1
17	7754000028	Retaining Ring	1

* Available only in Service Kit 7577250026

Rev. _____

4.17

Date _____

WINCH INSTALLATION (OPTION)

Ref No.	Part No.	Description	Qty.
1	7115181016	Capscrew	6
2	7660182600 ¹	Locknut	1
3	7950180161 ¹	Flat Washer	2
4	7843000004 ¹	Spring	1
5	7970000063	Winch	1
6	3017000042	Angle	1
7	7115205250	Capscrew	2
8	3706000129 ²	Sheave Support	1
9	7754000008 ²	Retaining Ring	1
10	7809000001 ²	Wire Rope Sheave	1
11	3706000128 ²	Cable Guide	1
12	3691000168 ²	Sheave Pin Crossbar	1
13	7660200008	Nut	2
14	7754000022	Retaining Ring	4
15	4691000304	Pin	2
16	3706000109	Nose Boom	1
17	4691000305	Pin	1
18	7209000011	Bushing	6
19	4912000247	Tube	2
20	4912000246	Tube	1
21	7115181450	Capscrew	2
22	7660182601	Locknut	2
23	7118180650	Capscrew	4
24	7660182301	Locknut	6
25	4017000855	Angle	1
26	3500900010 ¹	Cable Tensioner	1
27	3533000027	Cable	1

¹ Available as Assembly 3500900011

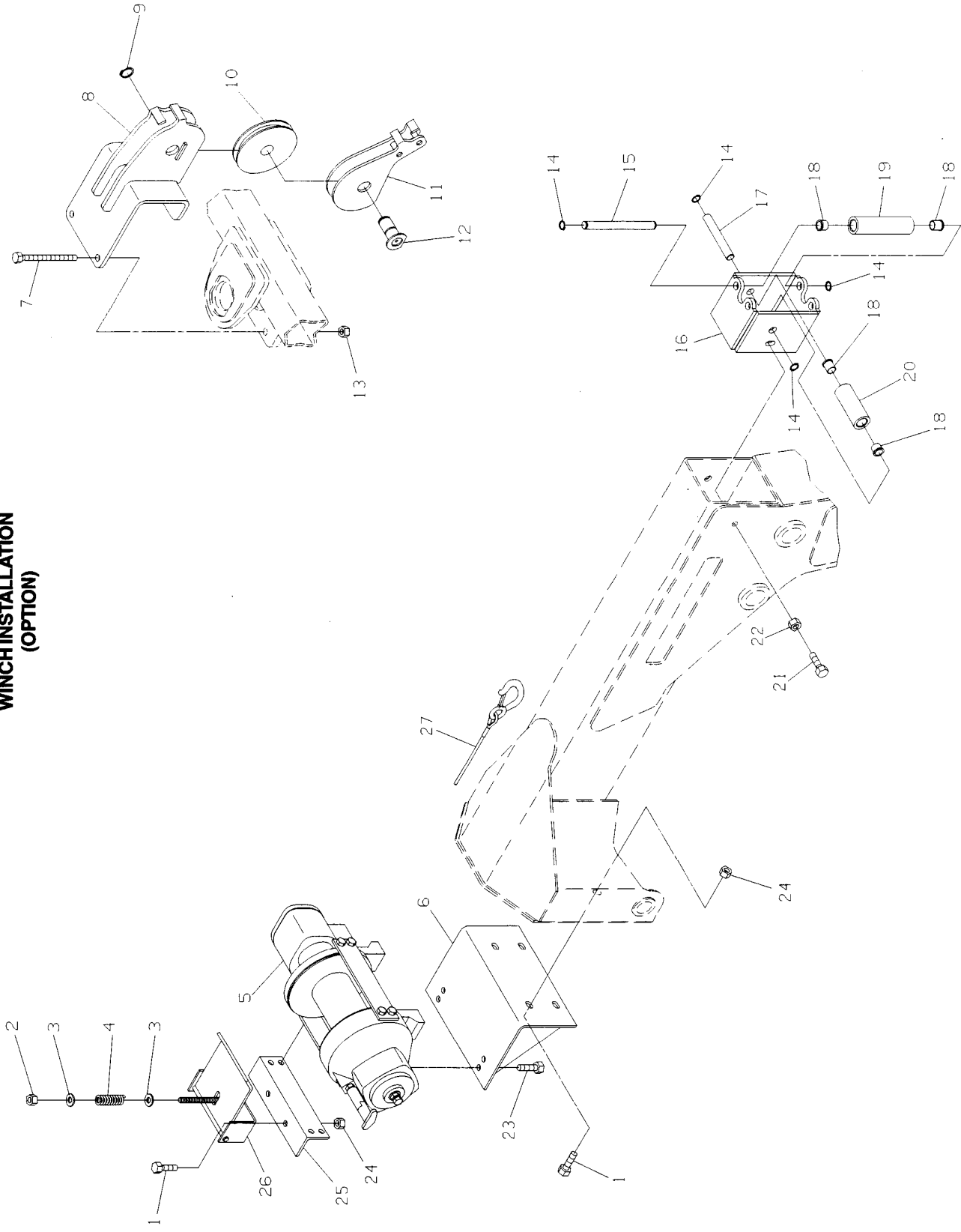
² Available as Assembly 3809000002

Rev. _____

4.18

Date _____

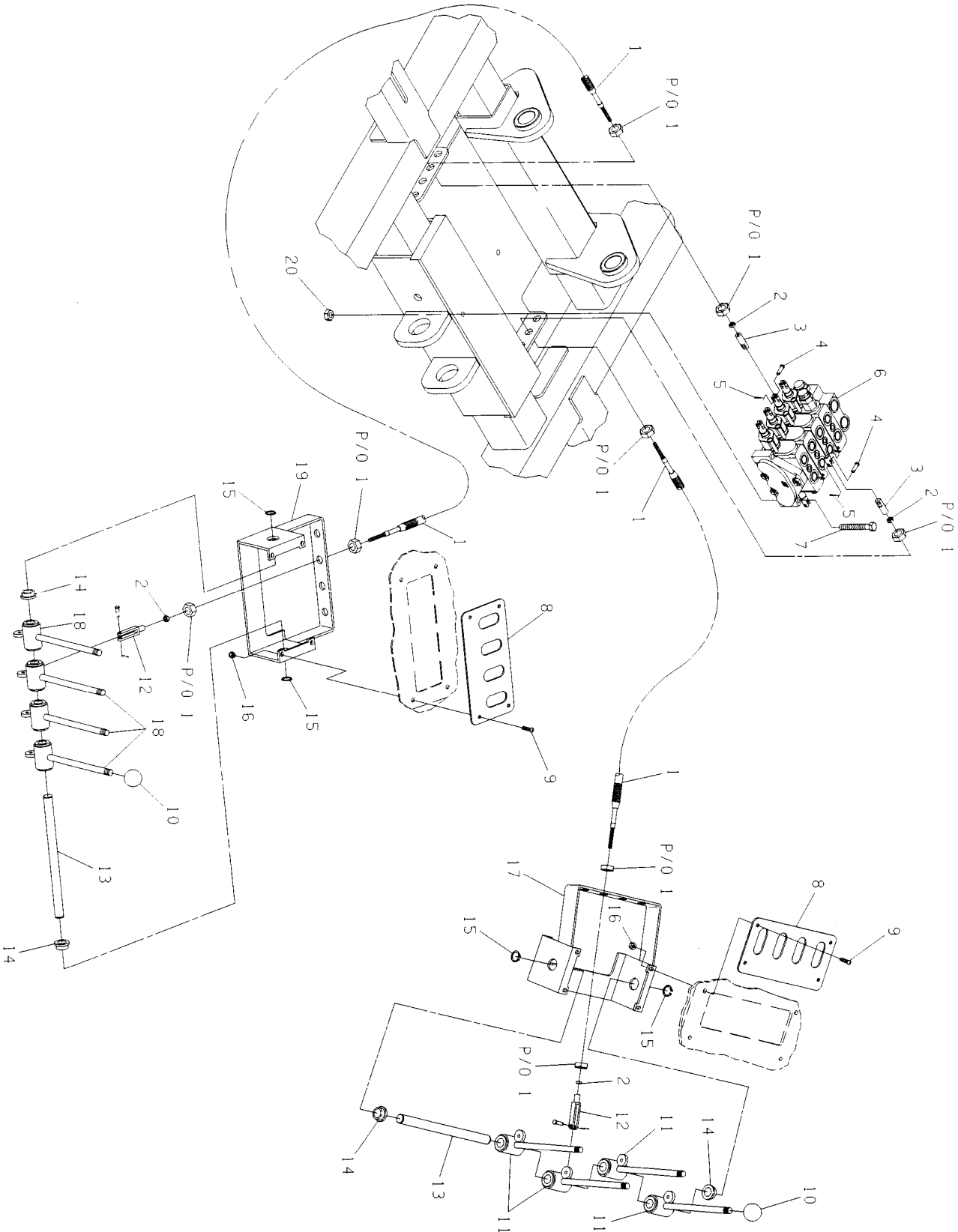
WINCH INSTALLATION (OPTION)



Rev. _____

Date _____

CONTROLS INSTALLATION



CONTROLS INSTALLATION

Ref No.	Part No.	Description	Qty.
1	7248000049	Push-Pull Cable	8
2	7660140230	Nut	16
3	4309000001	Coupling	8
4	7690141200	Clevis Pin	8
5	7690000810	Cotter Pin	8
6	3935000081	Valve Assembly	1
7	7115162250	Capscrew	3
8	4314000048	Coverplate	2
9	7114140818	Capscrew	8
10	7551000002	Knob	8
11	3551000038	Handle	4
12	7990000003	End Yoke	8
13	4691000301	Pin	2
14	7082000005	Bearing	4
15	7754000022	Retaining Ring	4
16	7660142600	Locknut	8
17	3178000257	Controls Bracket, RH	1
18	3551000048	Handle	4
19	3178000256	Controls Bracket, LH	1
20	7660162601	Locknut	3

Rev. _____

4.21

Date _____

BODY ASSEMBLY AND INSTALLATION

Ref No.	Part No.	Description	Qty.
1	7097000001	Body, LH	1
2	7115181250	Capscrew	8
3	7950180161	Flat Washer	16
4	7950140153	Flat Washer	6
5	7114140818	Capscrew	20
6	7949000022	Washer	26
7	7115140850	Capscrew	22
8	7660182601	Locknut	8
9	7660140001	Nut	20
10	4686000119	Panel, LH	1
11	7660162601	Locknut	4
12	7686000040	Body Trim Angle Panel, RH	1
13	7114161618	Capscrew	4
14	7950160153	Washer	4
15	7636000014	Rubber Mount	4
16	3899000059	Toolbox	1
17	4178000301	Bracket	2
18	4017000948	Angle	1
19	7660142601	Locknut	22
20	4706002551*	Plate	1
21	7950100151*	Flat Washer	4
22	7660102601*	Nut	8
23	7114100618*	Capscrew	4
24	3899000057	Toolbox Door and Frame Assembly	1
25	7796000031*	Gasket	1
26	7595000002*	Paddle Handle Lock	1
27	7114100418*	Capscrew	4
28	7097000002	Body, RH	1
29	7686000039	Body Trim Angle Panel, LH	1
30	4686000120	Panel, RH	1
31	7660152601	Locknut	12
32	7950150161	Flat Washer	16
33	7115150850	Capscrew	4
34	7590000089	Work Lamp with Connectors	2
35	4178000207	Mounting Bracket	2
36	7950160161	Flat Washer	2
37	7111151010	Screw	8
38	4706001124	Backup Plate	2
39	7638000003	Mud Flap	2

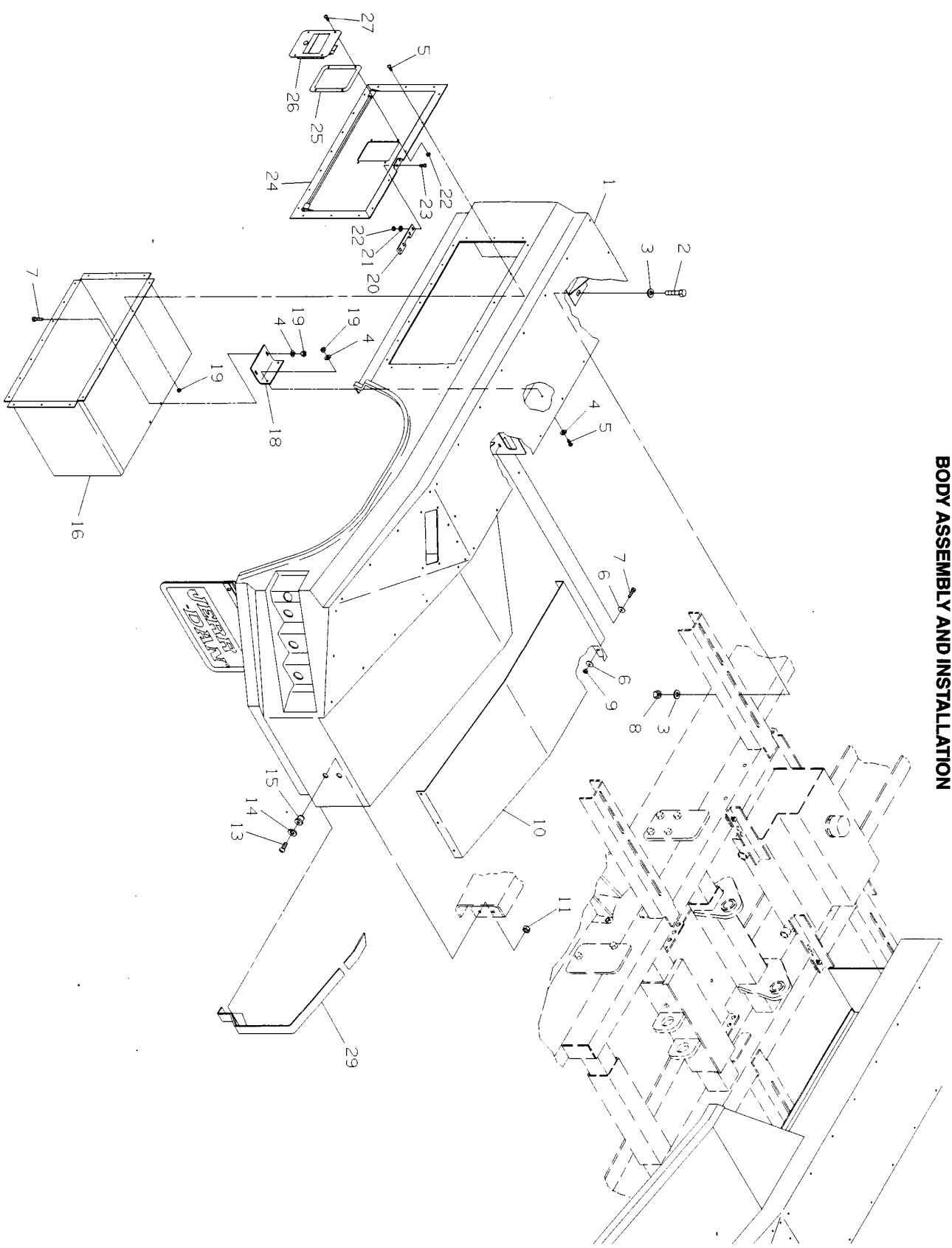
* Part of Door and Frame Assembly 3899000057

Rev. _____

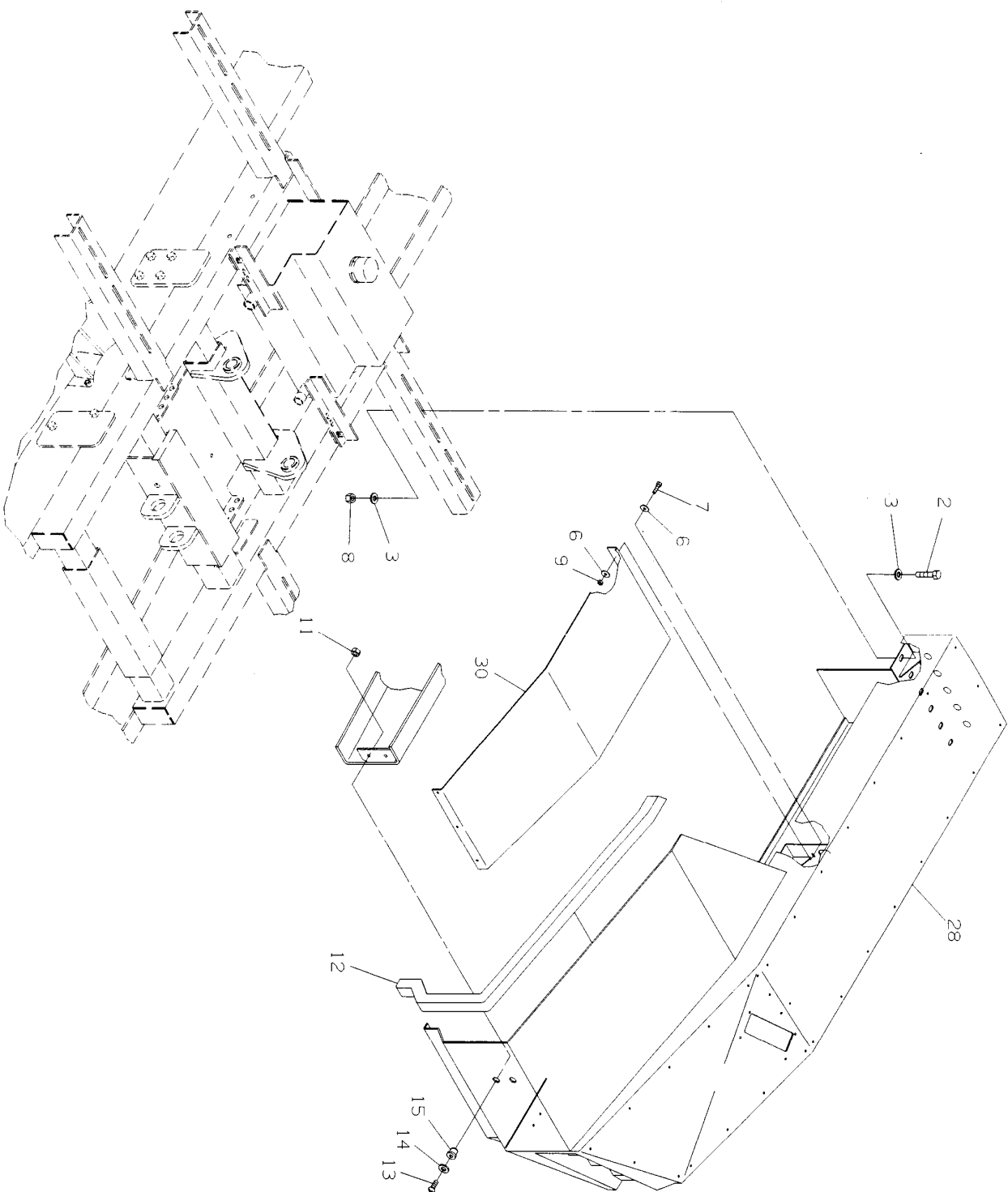
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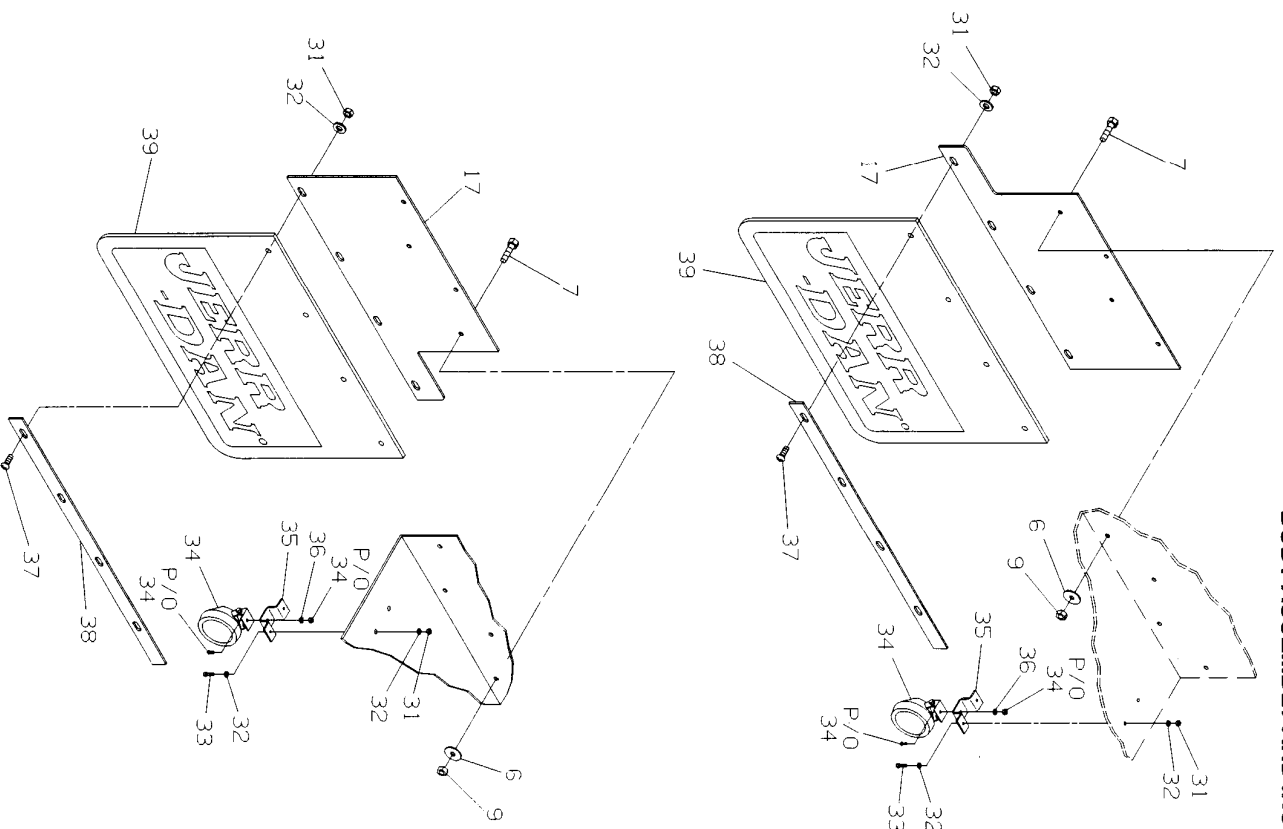
BODY ASSEMBLY AND INSTALLATION



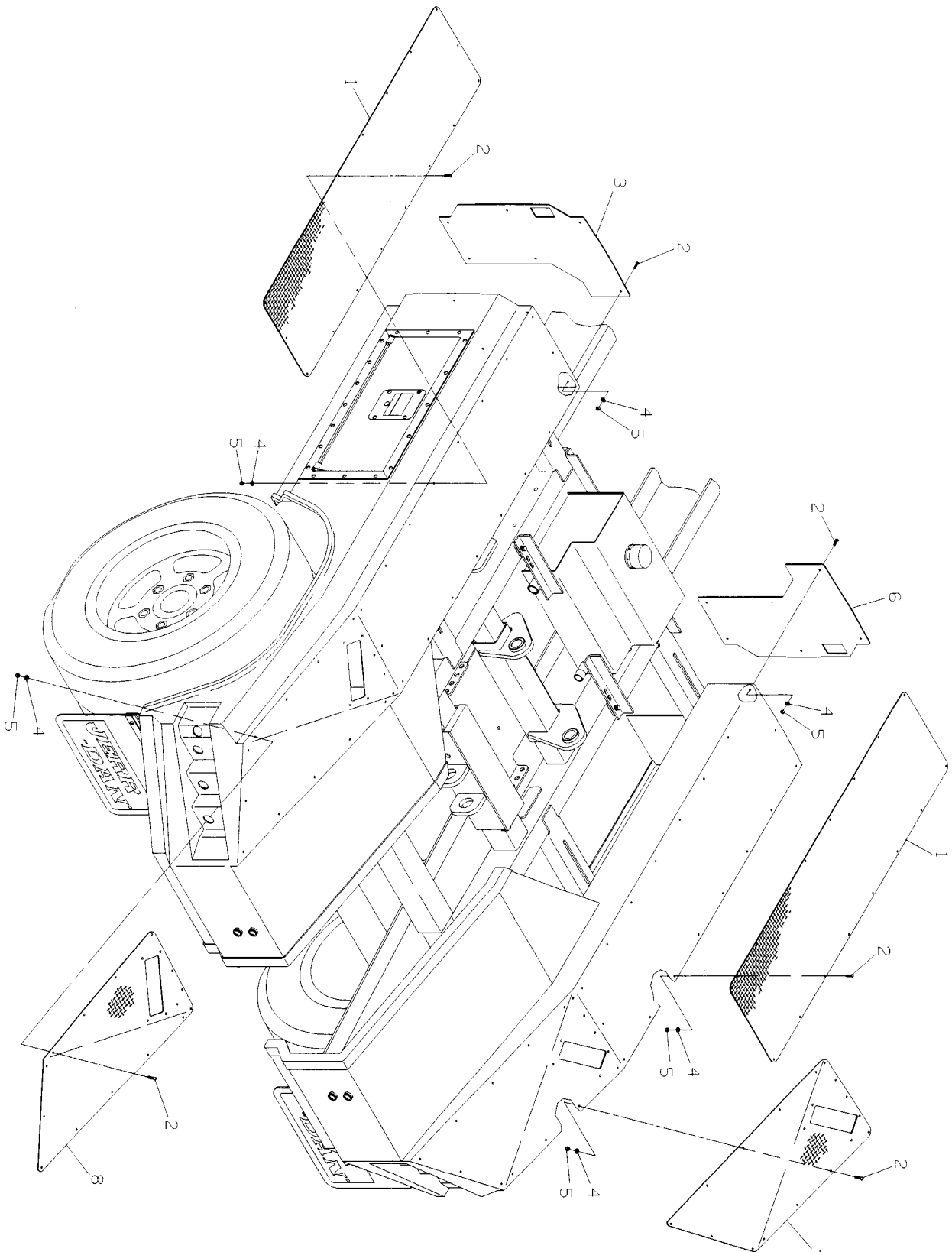
BODY ASSEMBLY AND INSTALLATION



BODY ASSEMBLY AND INSTALLATION



ALUMINUM DRESS-UP KIT (OPTION)



ALUMINUM DRESS-UP KIT (OPTION)

Ref No.	Part No.	Description	Qty.
1	4707000114	Plate	2
2	7114140818	Capscrew	76
3	4707000123	Plate	1
4	7950140141	Flat Washer	76
5	7660142600	Locknut	76
6	4707000122	Plate	1
7	4707000116	Plate	1
8	4707000117	Plate	1

Rev. _____

4.27

Date _____

TUNNEL TOOLBOX INSTALLATION

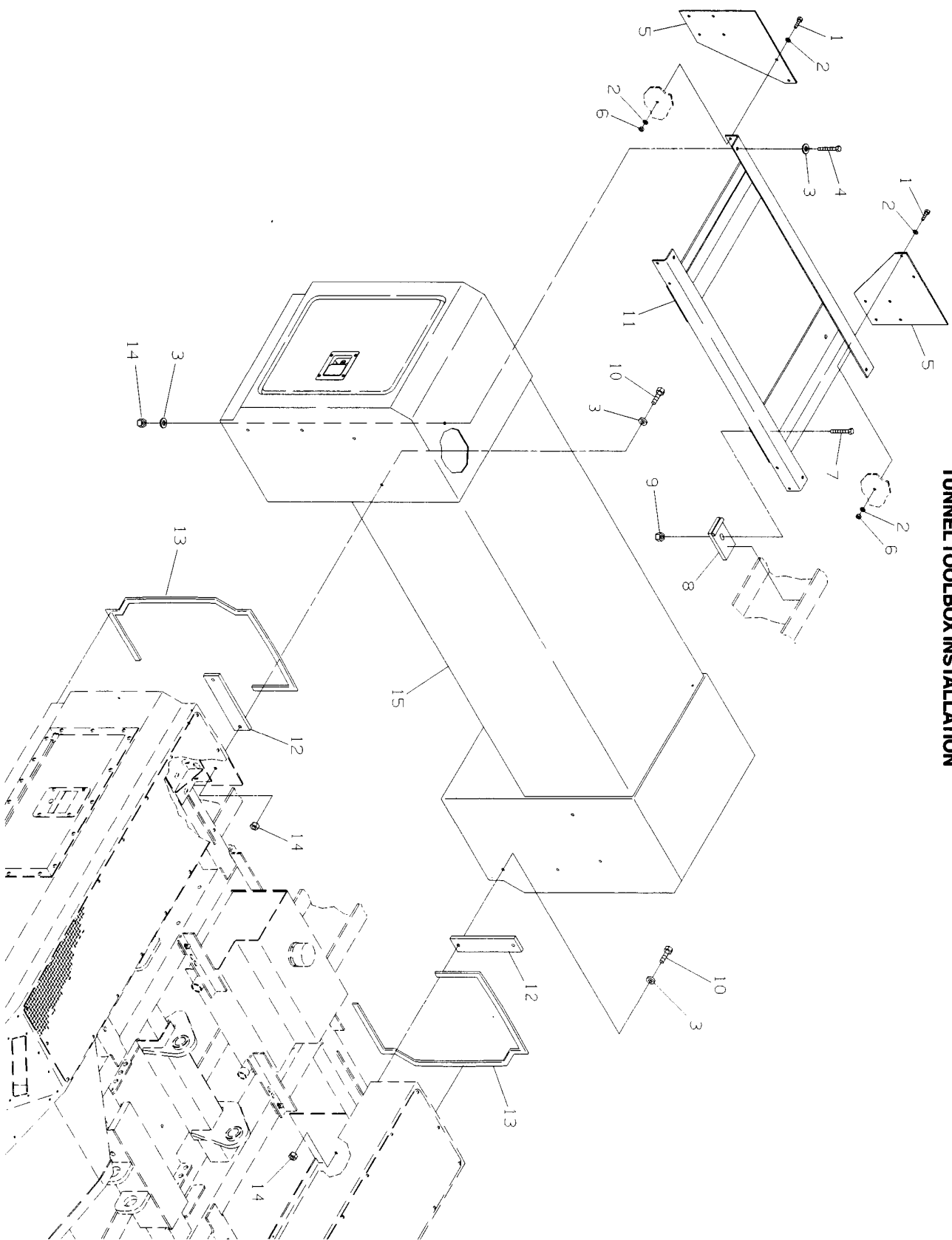
Ref No.	Part No.	Description	Qty.
1	7115150850	Capscrew	8
2	7950150161	Flat Washer	16
3	7950160161	Flat Washer	24
4	7115161650	Capscrew	4
5	4177000042	Brace	2
6	7660152601	Locknut	8
7	7115181450	Capscrew	4
8	3274000007	Clamp Weldment	4
9	7660182301	Locknut	4
10	7115161450	Capscrew	8
11	3455000025	Tunnel Frame	1
12	4831000072	Body Spacer	4
13	7632046054	Moulding	2
14	7660162601	Locknut	12
15	3899000062	Toolbox Assembly (Ford)	1
	3899000063	Toolbox Assembly (Chevy HD3500)	1

Rev. _____

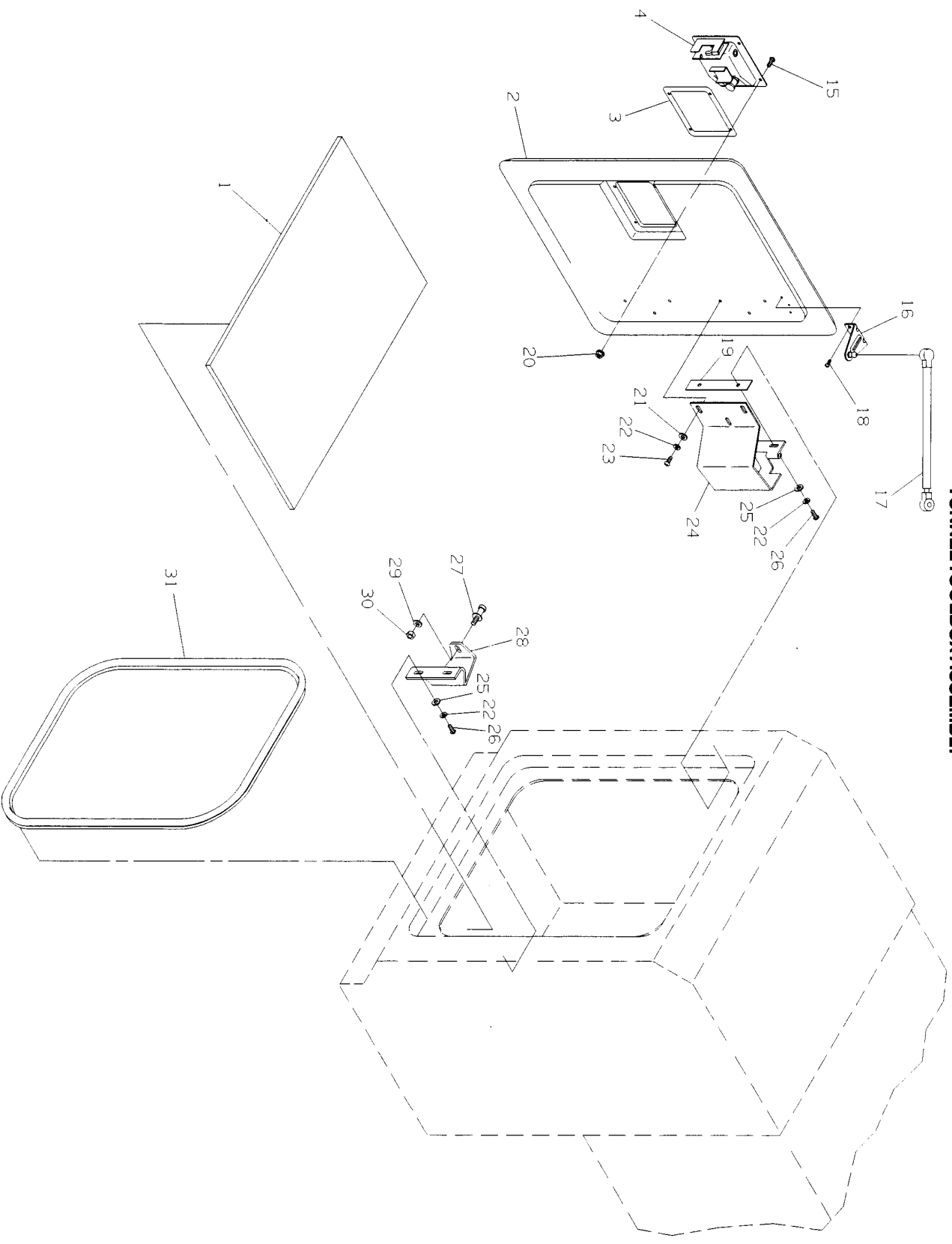
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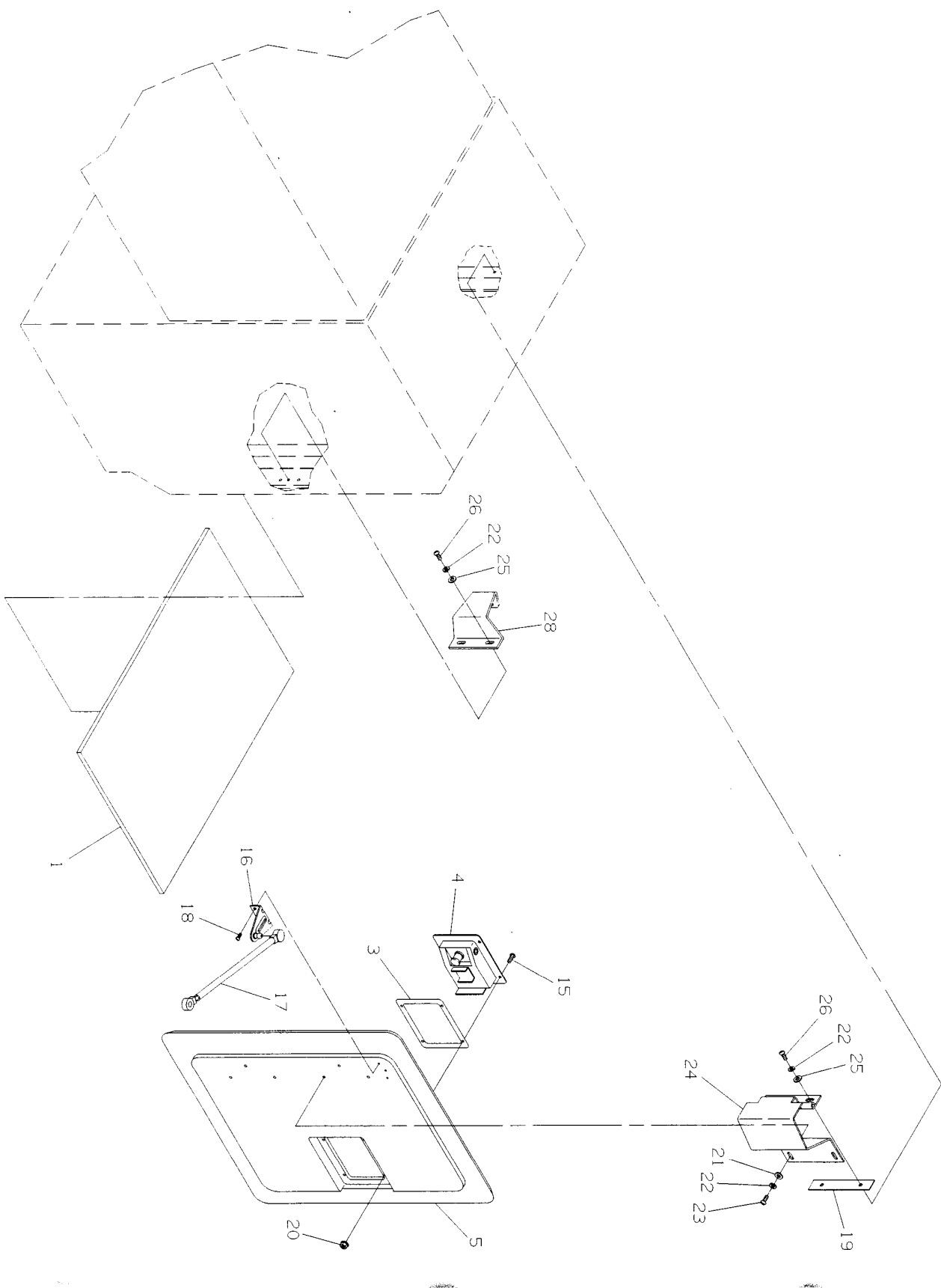
TUNNEL TOOLBOX INSTALLATION



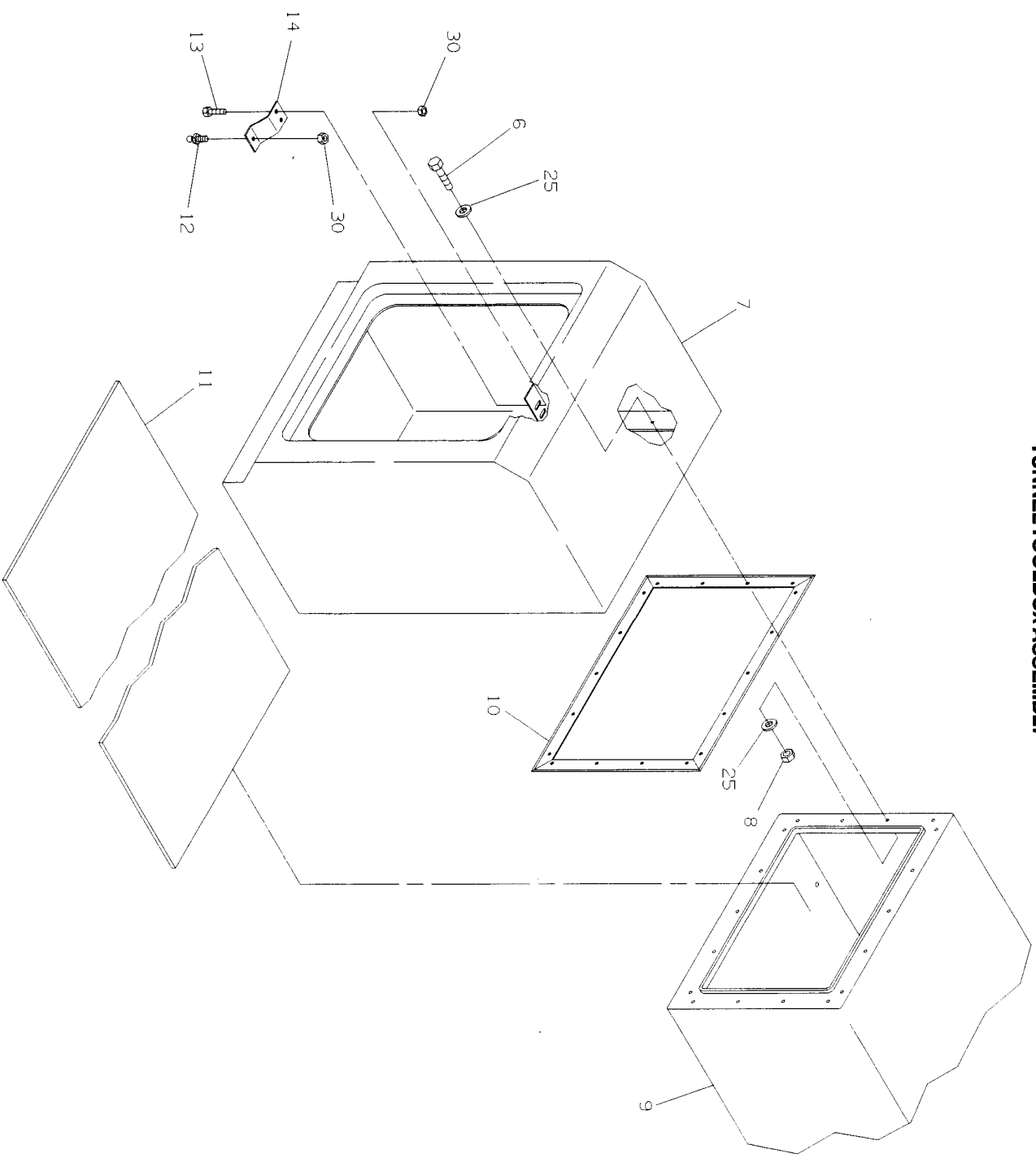
TUNNEL TOOLBOX ASSEMBLY



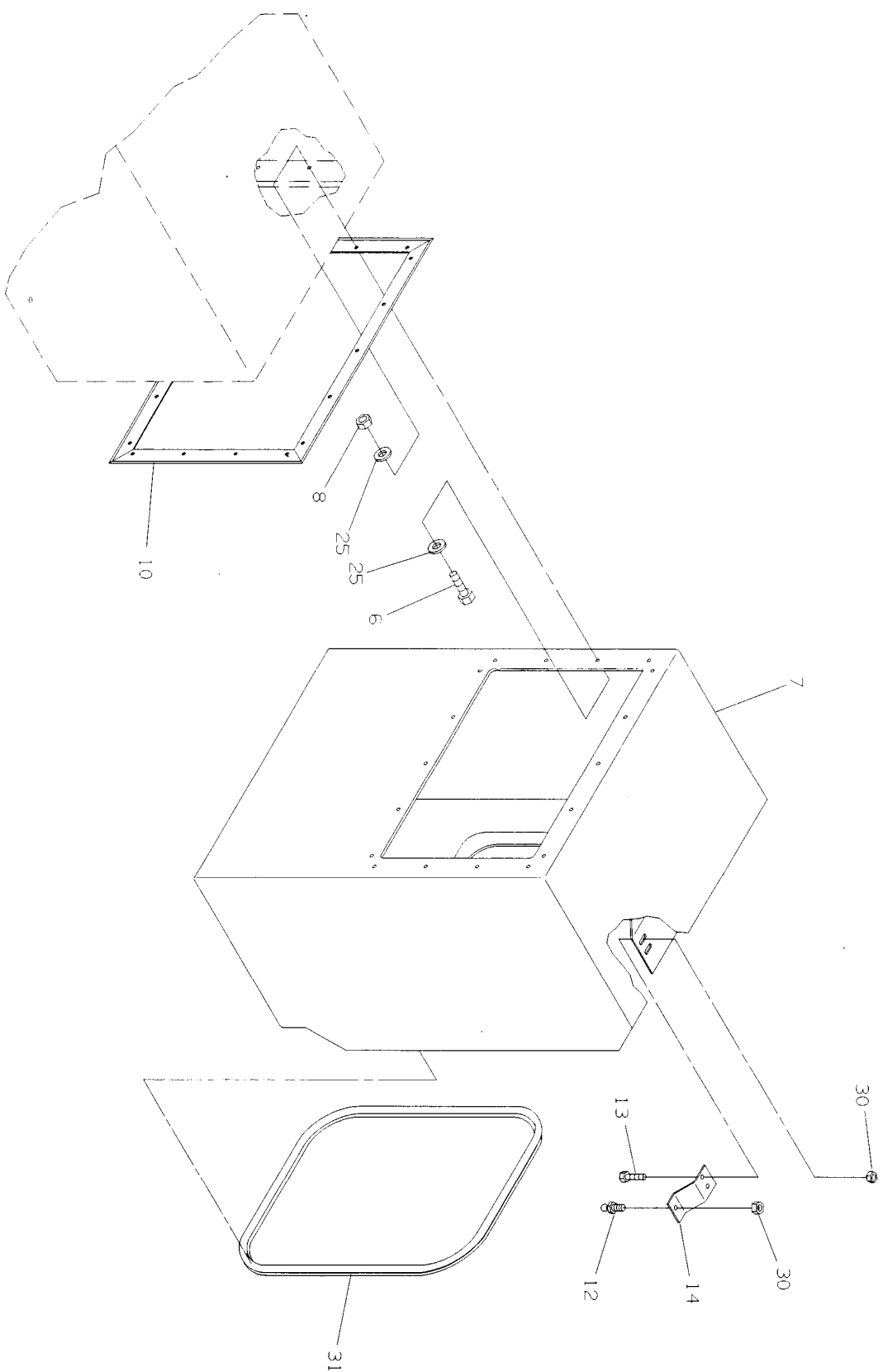
TUNNEL TOOLBOX ASSEMBLY



TUNNEL TOOLBOX ASSEMBLY



TUNNEL TOOLBOX ASSEMBLY



TUNNEL TOOLBOX ASSEMBLY

Ref No.	Part No.	Description	Qty.
1	4679000157	Rubber Pad	2
2	4686000123	Door Panel, LH	1
3	7796000031	Gasket	2
4	7595000009	Latch	2
5	4686000122	Door Panel, RH	1
6	7115141050	Capscrew	36
7	7899000002	Tunnel Front Toolbox	2
8	7660142601	Locknut	36
9	7899000005	Tunnel Toolbox, Ford	1
	7899000006	Tunnel Toolbox, Chevy HD3500	1
10	4632000017	Toolbox Seal	2
11	4679000160	Rubber Pad	1
12	7865000001	Thread Ball Stud	2
13	7115150650	Capscrew	4
14	4178000322	Bracket	2
15	7114080618	Screw	8
16	7178000023	Ball Stud Bracket	2
17	7843000020	Gas Spring	2
18	7114100418	Capscrew	6
19	4812000060	Shim	4
20	7660082500	Locknut	8
21	7950100151	Flat Washer	12
22	7949000025	Lockwasher	16
23	7114140518	Capscrew	12
24	7555000005	Hinge	4
25	7950140161	Flat Washer	76
26	7114140418	Capscrew	4
27	7585000008	Striker Latch	2
28	4178000320	Bracket	2
29	7950150161	Flat Washer	2
30	7660152601	Locknut	8
31	4632000018	Door Seal	2

Rev. _____

4.35

Date _____

BODY EXTENSION PANEL INSTALLATION

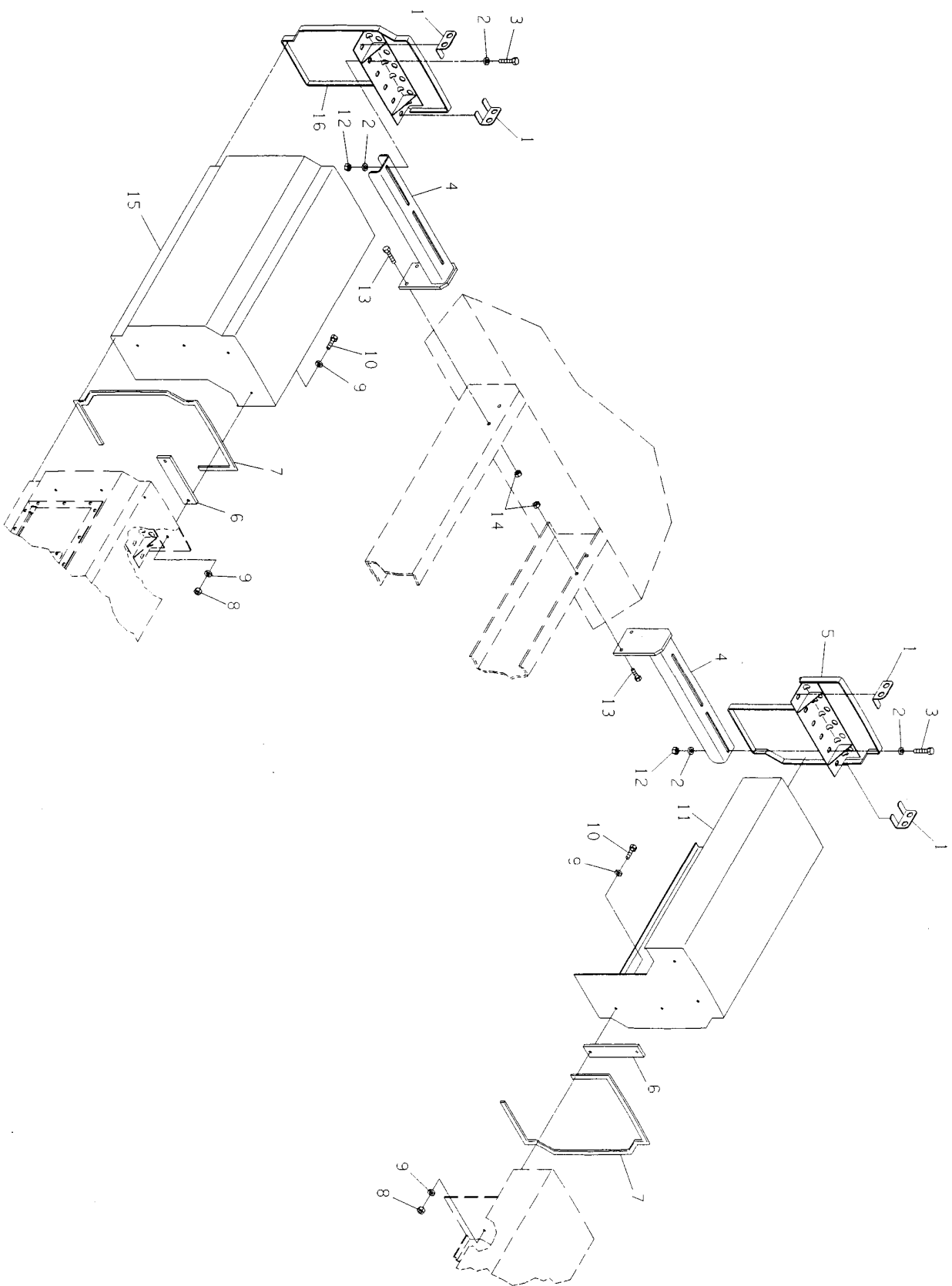
Ref No.	Part No.	Description	Qty.
1	4017000956	Angle	4
2	7950180161	Flat Washer	8
3	7115181250	Capscrew	4
4	3178000255	Front Section Mount Body	2
5	7686000033	End Cap Panel, RH	1
6	4831000072	Spacer	4
7	7632046054	Moulding	2
8	7660162601	Locknut	8
9	7950160161	Flat Washer	16
10	7115161450	Capscrew	8
11	7686000035	Body Front Section Panel, RH	1
12	7660182601	Locknut	4
13	7118181216	Capscrew	4
14	7660182301	Locknut	4
15	7686000034	Body Front Section Panel, LH	1
16	7686000032	End Cap Panel, LH	1

Rev. _____

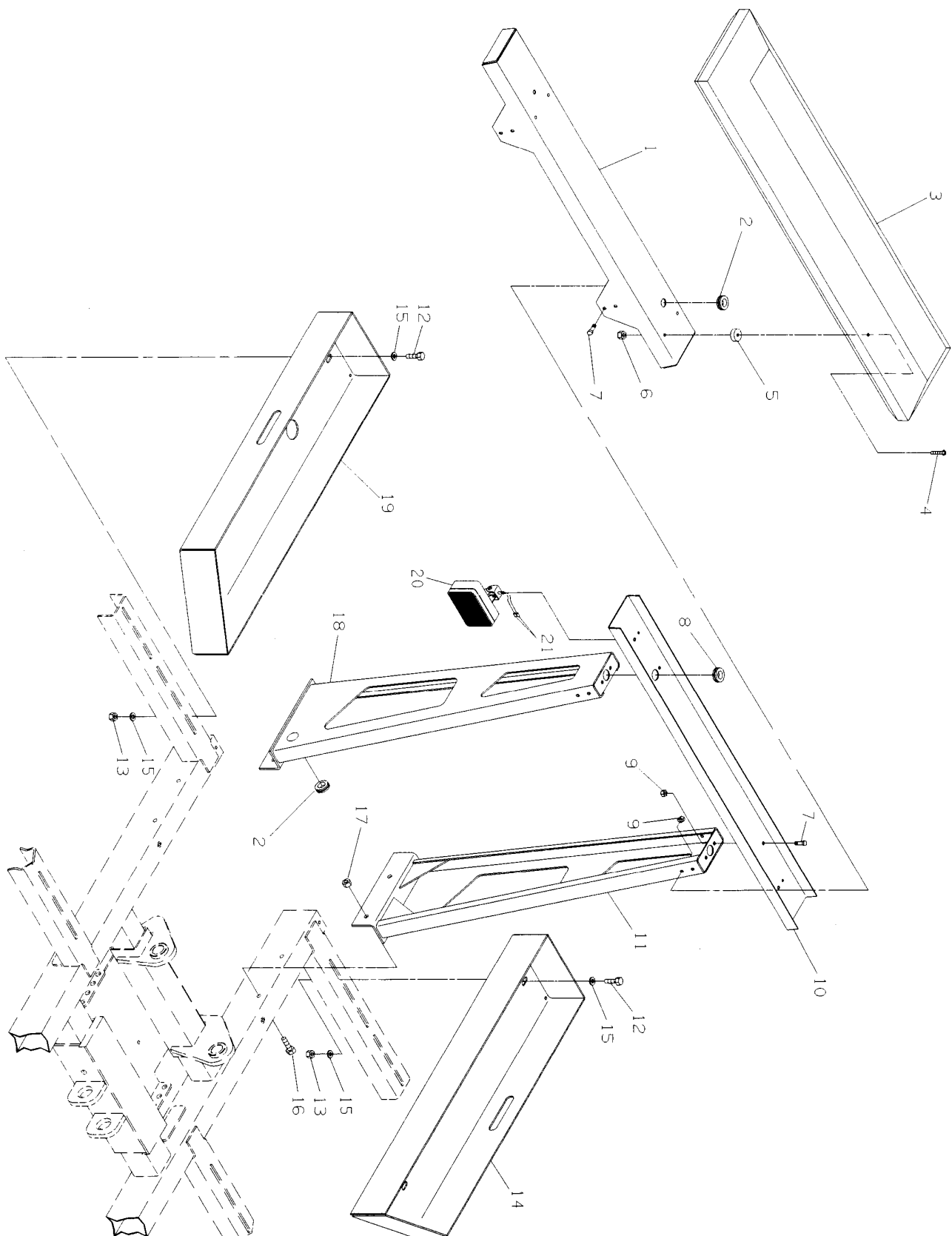
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Date _____

BODY EXTENSION PANEL INSTALLATION



EMERGENCY LIGHT PYLON AND STORAGE TRAY INSTALLATION



EMERGENCY LIGHT PYLON AND STORAGE TRAY INSTALLATION

Ref No.	Part No.	Description	Qty.
1	3263000071	Upper Channel	1
2	7493000011	Grommet	2
3	7590000073	Emergency Lightbar	1
4	7115151264	Carriage Bolt	4
5	4831000074	Spacer	4
6	7660152601	Locknut	4
7	7114160818	Capscrew	12
8	7493000003	Grommet	1
9	7660162601	Locknut	12
10	4263000393	Channel	1
11	3263000073	Channel, RH	1
12	7115181250	Capscrew	4
13	7660182601	Locknut	4
14	3263000070	Channel, RH (Ford)	1
	3263000084	Channel, RH (Chevy HD3500)	1
15	7950180161	Flat Washer	8
16	7115183250	Capscrew	4
17	7660181250	Locknut	4
18	3263000072	Channel, LH	1
19	3263000069	Channel, LH (Ford)	1
	3263000083	Channel, LH (Chevy HD3500)	1
20	7590000144	Work Light	2
21	7345001713	Butt Connector	4

Rev. _____

4.39

Date _____

HYDRAULIC SCHEMATIC

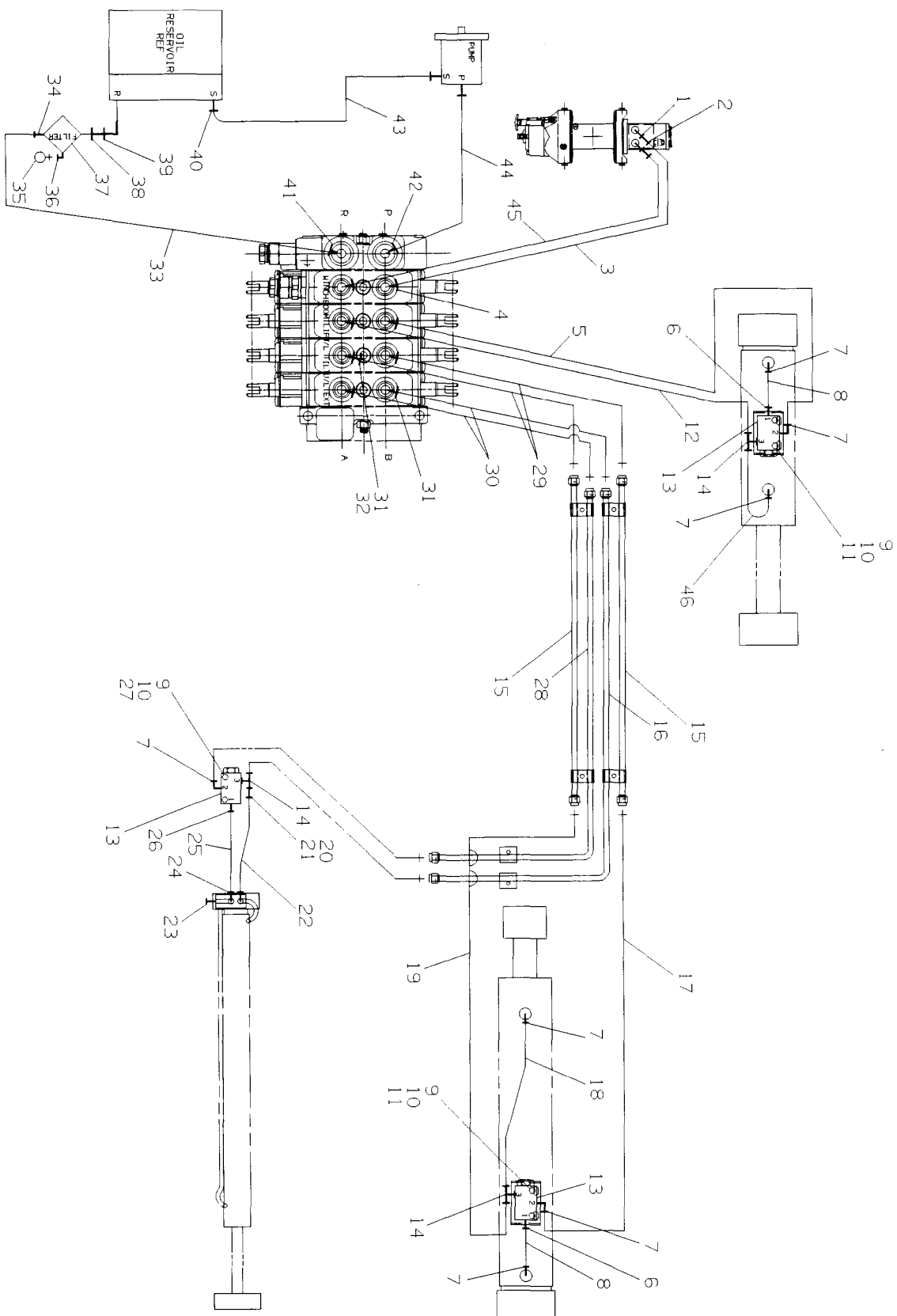
Ref No.	Part No.	Description	Qty.
1	7445081043	Adapter	2
2	7443000023	Elbow	2
3	4567132027	Hose Assembly	1
4	7445080843	Adapter	2
5	4567120026	Hose Assembly	1
6	7445060643	Straight Adapter	2
7	7445060645	Elbow	7
8	7912000078	Tube Assembly	2
9	7950150161	Flat Washer	6
10	7660152601	Locknut	6
11	7115151650	Capscrew	4
12	4567120024	Hose Assembly	1
13	7935000148	Valve	3
14	7445060647	Branch	3
15	7912000077	Tube Assembly	2
16	7912000081	Tube Assembly	1
17	4569120014	Hose Assembly	1
18	7912000079	Tube Assembly	1
19	4569120015	Hose Assembly	1
20	7443000105	Reducer	1
21	7443000106	Nut Reducer	1
22	4567110025	Hose Assembly	1
23	7443000114	Plug	1
24	7445040443	Straight Adapter	2
25	4567110024	Hose Assembly	1
26	7445040643	Straight Adapter	1
27	7114151618	Capscrew	2
28	7912000082	Tube Assembly	1
29	4569122020	Hose Assembly	2
30	4569122021	Hose Assembly	2
31	7445060843	Straight Adapter	6
32	7443000128	Adapter	1
33	4567162036	Hose Assembly	1
34	7445121619	Straight Adapter	1
35	7470000002	Oil Filter Gauge	1
36	7443000158	Elbow	1
37	7430000003	Oil Filter Assembly	1
38	7650080125	Pipe Nipple	1
39	7444080860	Elbow	1
40	7445161619	Straight Adapter Pipe	1
41	7445121243	Straight Adapter	1
42	7445081243	Straight Adapter	1
43	4567782096	Hose Assembly	1
44	4567632103	Hose Assembly	1
45	4567133029	Hose Assembly	1
46	7912000080	Tube Assembly	1

Rev. _____

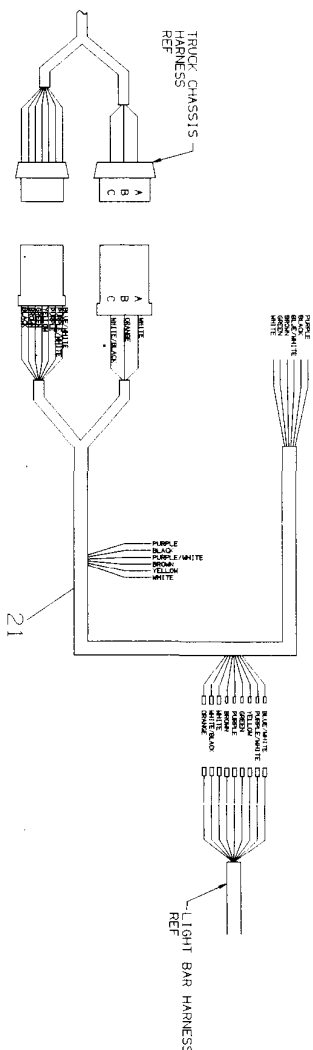
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Date _____

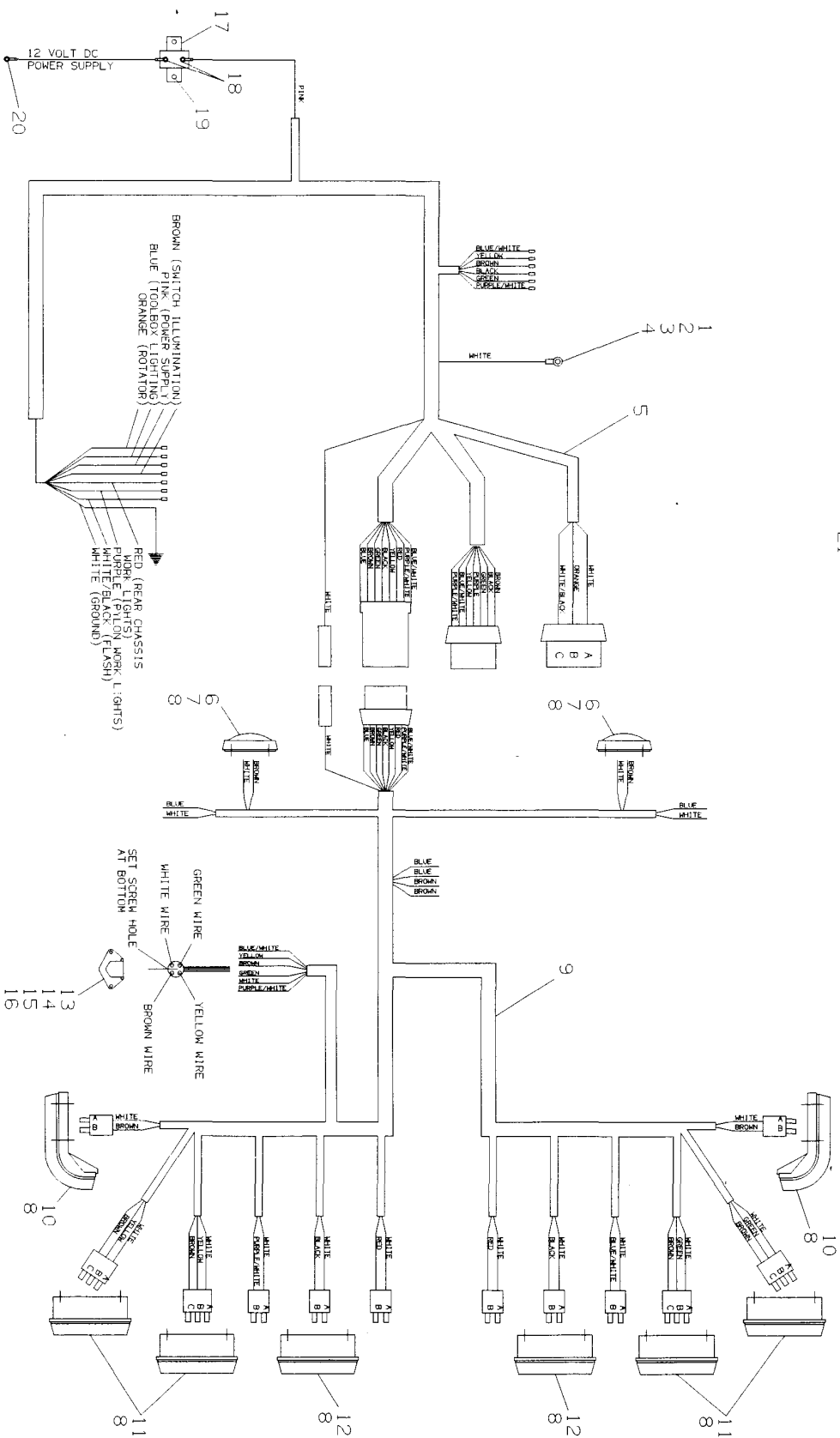
HYDRAULIC SCHEMATIC



LIGHTS AND WIRING INSTALLATION



WIRE COLOR	FUNCTION
BROWN	TAIL/CLEARANCE
BLACK	BACK-UP
BLUE	TOOL BOX LIGHTING
GREEN	STOP/RIGHT TURN
YELLOW	STOP/LEFT TURN
PURPLE	PYLON WORK LIGHTS
PURPLE/WHITE	LEFT TURN (FOREIGN CHASSIS)
BLUE/WHITE	RIGHT TURN (FOREIGN CHASSIS)
RED	REAR WORK LIGHTS
WHITE	GROUND
ORANGE	ROTATOR
WHITE/BLACK	FLASHERS
PINK	HOT (12V SUPPLY)



LIGHTS AND WIRING INSTALLATION

Ref. No.	Part No.	Description	Qty.
1	7345221902	O-Ring Terminal	1
2	7950140500	Lockwasher	1
3	7660142601	Locknut	7
4	7115140850	Capscrew	7
5	7552000157	Truck Chassis Harness	1
6	7577000202	Light Mount Adapter Kit	2
7	7590000090	Clearance Marker Light	2
8	7790101271	Screw	36
9	7552000156	Main Harness	1
10	7590000131	Wrap Around Marker Light	2
11	7590000128	Stop-Tail-Turn Light	4
12	7590000130	Backup Light	2
13	7291000003	Female Receptacle	1
14	7114140818	Capscrew	2
15	7950140141	Flat Washer	2
16	7660142601	Locknut	2
17	7457000004	Circuit Breaker	1
18	7345211901	Stud Terminal Ring	2
19	7790100856	Screw	2
20	7345231901	Stud Terminal Ring	1
21	7552000158	Headboard Harness	1

Rev. _____

4.43

Date _____

DECAL INSTALLATION

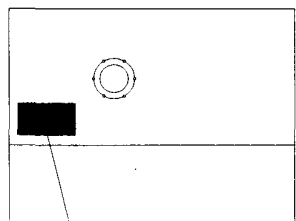
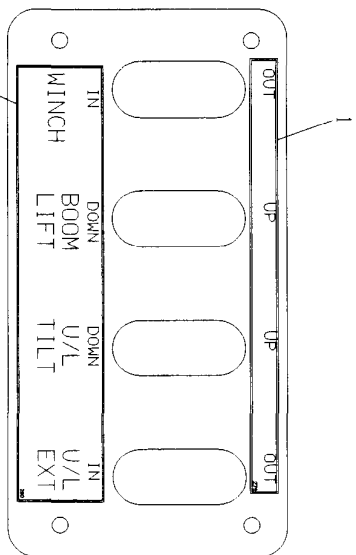
Ref No.	Part No.	Description	Qty.
1	7330000279	Top Controls Decal	2
2	7330000034	W/L Caution Nameplate	1
3	7330000122	W/L Warning Nameplate	1
4	7330000287	Serial/Model/Rating Decal	1
5	7759000004	Rivet	4
6	7330000037	Moving Parts Nameplate	1
7	7330000060	Warning Decal	1
8	7330000036	Secure Vehicle Nameplate	2
9	7330000286	Jerr-Dan Logo Decal	2
10	7330000285	Circle "J" Decal	2
11	7330000143	"Proudly Made in the USA" Decal	1
12	7330000315	Lubrication Chart Decal	1
13	7330000262	Winch Warning Decal	2
14	7330000280	Bottom Controls Decal	2

Rev. _____

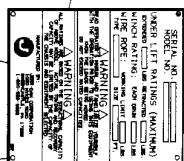
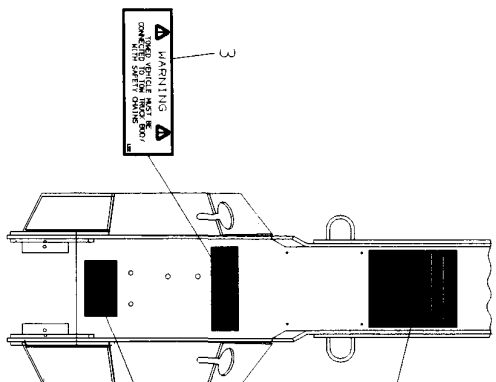
4.44

Date _____

DECAL INSTALLATION



CAUTION
DO NOT
ROTATE 90°



WARNING
DO NOT
ROTATE 90°

WARNING
DO NOT
ROTATE 90°

VIEW A-A
CONTROL HANDLES DECAL

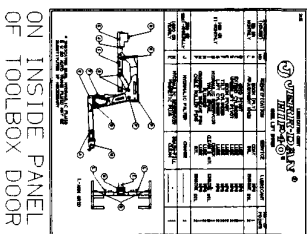
WARNING
DO NOT
ROTATE 90°

VIEW B-B

VIEW C-C

WARNING
DO NOT
ROTATE 90°

VIEW D-D



12

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RPH8000 8000 LB WINCH

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	9970280019	"Y" Drum Assembly	1	42	9701960014	Plug	1
2	9970280018	"STD" Drum Assembly	1	43	9701960016	Plug	1
3	9551960018	Shifter Assembly	1	44	9796960097	Seal	1
4	9843960027	Brake Flat Spring	1	45	9796960049	Gear Housing Seal	1
5	9250960002	Cam Brake Plate	1	46	9812960005	Shim	1
6	9472960042	Sun Output Gear	1	47	9754960039	Snap Ring	2
7	9472960043	Ring Gear	1	48	9970494010	Spring	1
8	9082960016	End Motor Bearing	1	49	9935960023	Counterbalance Valve ("A" Rotation)	1
9	9560960013	End Bearing Gear Housing	1	50	9949960017	Thrust Washer	1
10	9560960012	Brake Housing	1				
11	9180960009	Brake Hub	1				
12	9706960028	Retainer Plate	1				
13	9806960017	"Y" Input Shaft	1				
14	9706960030	"STD" Input Shaft	1				
15	9706960031	"STD" Tie Plate	2				
16	9706960030	"STD" Tie Plate	2				
17	9970400007	Ball	2				
18	9209960022	Motor End Drum Bushing	1				
19	9209960023	Gear Drum Bushing	1				
20	9120960021	Bolt	1				
21	9120960025	Bolt	2				
22	9120960023	Capcrew	8				
23	9120960022	Capcrew	1				
24	9120960018	Screw	2				
25	9786960006	Setcrew	4				
26	9120960026	Setcrew	1				
27	9120960024	Capcrew	4				
28	7785140404	Setcrew	2				
29	7660160001	Nut	2				
30	7660160201	Nut	1				
31	7660180201	Nut	1				
32	9970418184	Washer	1				
33	9949960016	Lockwasher	4				
34	9309960009	Hydraulic Motor Coupling	2				
35	9706960029	Brake Plate	1				
36	9796960047	Brake Housing Gasket	2				
37	9970456008	Relief Fitting	1				
38	9626960012	Hydraulic Motor	1				
39	9796960050	(model with counterbalance valve)	1				
40	9796960048	O-Ring	1				
41	9796960051	Ring Quad	2				
	9970468002	O-Ring	1				
	9701960015	Reducer	1				
	9691960001	Pipe Plug	2				
		Spirol Pin	1				

RPH8000 8000 LB WINCH INSTALLATION

