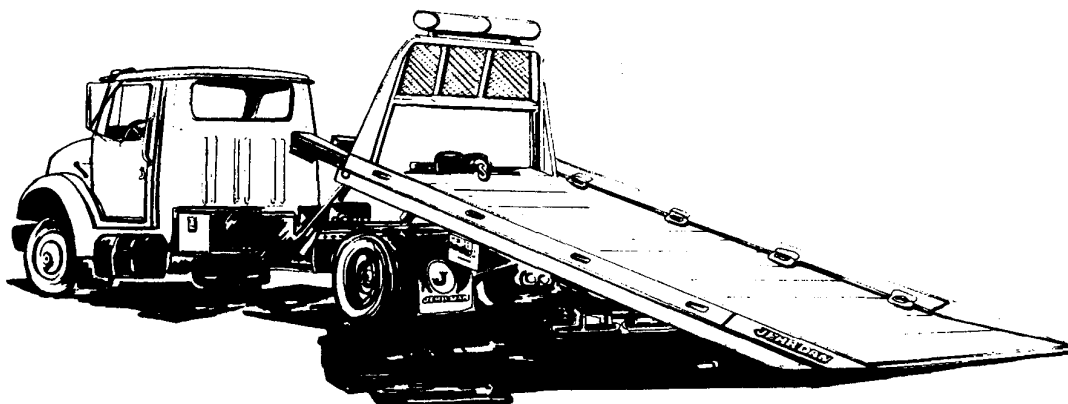




LP8500

OPERATION, MAINTENANCE, AND PARTS MANUAL



JERR-DAN
CORP.

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Phone (717) 597-7111

PARTS LIST — FINAL ASSEMBLY BASIC UNIT

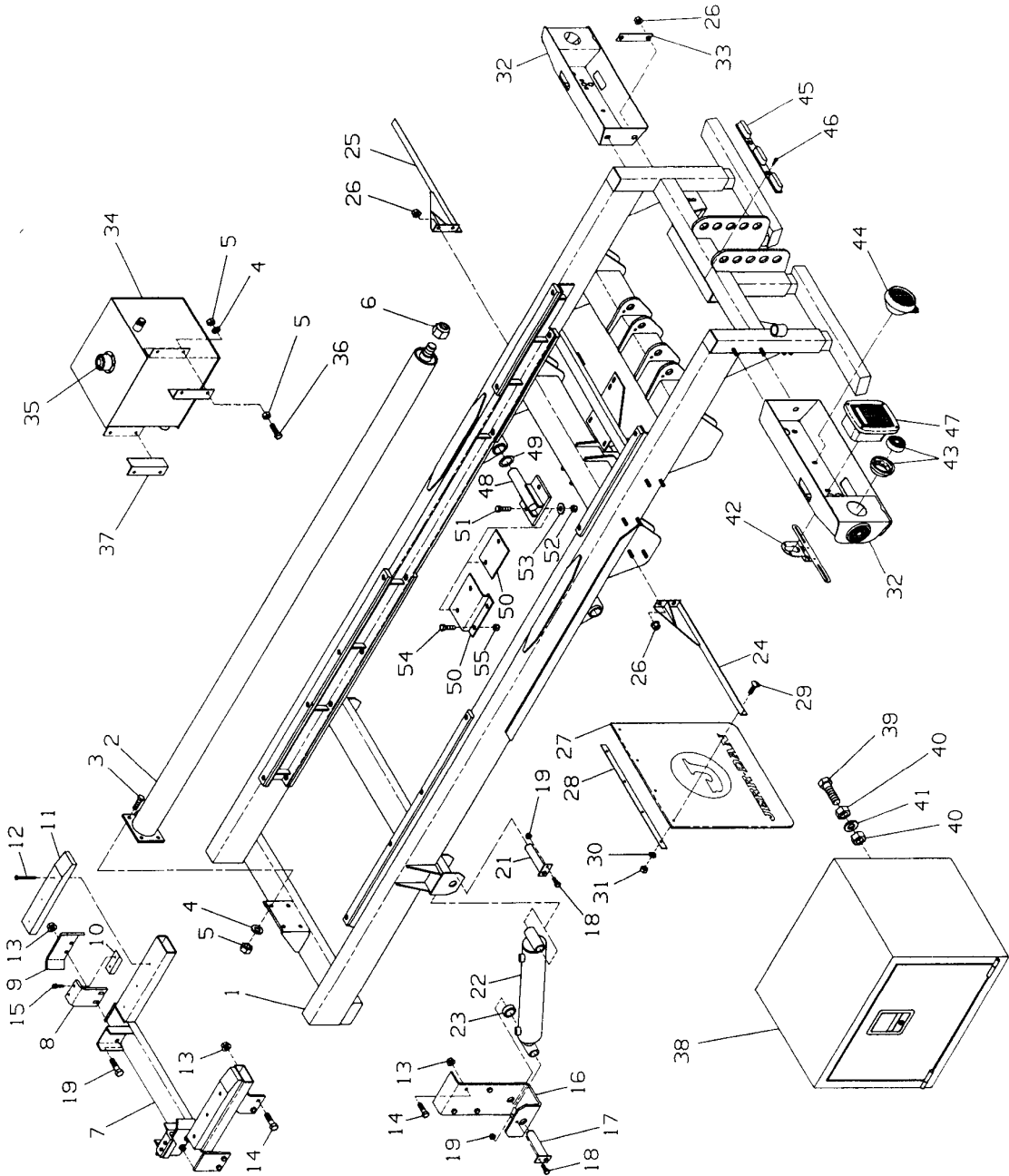
Ref. No.	Part No.	Description	Qty.
1	D3-541-000012	Subframe (Units With Tow Bar)	1
	D3-541-000016	Subframe (Units Without Tow Bar)	
2	C3-320-000026	Rollback Cylinder	1
3	7-115-181450	Hex Head Capscrew	4
4	7-950-180000	Lock Washer	8
5	7-660-180000	Hex Nut	8
6	7-660-341662	Lock Nut	1
7*	C3-636-000028	Hold Down Base	1
8	B4-017-000335	Angle	2
9	B4-706-000847	Guide Plate	2
10	A4-679-000020	Hold Down Pad	2
11*	4-679-000055	Wood Block	2
12	7-120-000010	Self-drilling Screw	6
13	7-660-182333	Flanged Lock Nut	20
14	7-105-181450	Hex Head Capscrew	20
15	7-790-151656	Self-tapping Screw	4
16*	C4-178-000141	Saddle	2
17	B3-691-000054	Lower Cylinder Pin	2
18	7-115-161050	Hex Head Capscrew	4
19	7-660-162301	Flanged Lock Nut	4
20	7-690-142810	Cotter Pin	2
21	3-691-000073	Upper Cylinder Pin	2
22	C3-320-000009	Tilt Cylinder	2
23	A4-209-000020	Spacer	2
24	B3-178-000019	L.H. Mud Flap Bracket	1
25	B3-178-000018	R.H. Mud Flap Bracket	1
26	7-661-000011	Flanged Lock Nut	8
27	C7-638-000004	Mud Flap	2
28	C4-706-000233	Back-up Strip	2
29	7-111-150813	Truss Head Machine Screw	8
30	7-950-150000	Lock Washer	8
31	7-660-150000	Hex Nut	8
32	D4-811-000003	Light Box	2
33	A4-706-000243	Plate	2
34*	C3-750-000002	Oil Reservoir	1
35	7-183-000002	Filler Breather Cap	1
36	7-115-181850	Hex Head Capscrew	4
37	B4-017-000063	Angle	2
38	3-899-000009	Tool Box	1
	3-899-000011	Tool Box with Stainless Steel Door	
39	7-105-221050	Hex Head Capscrew	4
40	7-660-221338	Hex Nut	8
41	7-950-220000	Lock Washer	8
42	3-555-184002	Bracket	1
43	A7-590-000009	Clearance Light (Red)	4
44	A7-590-000011	Work Light	2
45	A7-590-000007	Bar Light	1
46	7-790-141056	Self-tapping Screw	2
47		Stop, Turn, Tail Lamp	2
48*	B3-691-000080	Trunnion Pin Weldment	2
49	A7-949-000003	Washer	2
50	A4-706-000868	Mounting Plate (Ford & GMC)	2
	B3-636-000010	Mounting Plate (Internationals)	
51	7-115-201650	Hex Head Capscrew	4
52	7-660-202601	Lock Nut	4
53	7-950-200142	Flat Washer	4
54	7-111-161050	Hex Head Capscrew (Internationals)	4
55	7-660-162301	Flanged Lock Nut (Internationals)	4

* Consult Factory For Foreign Chassis Components

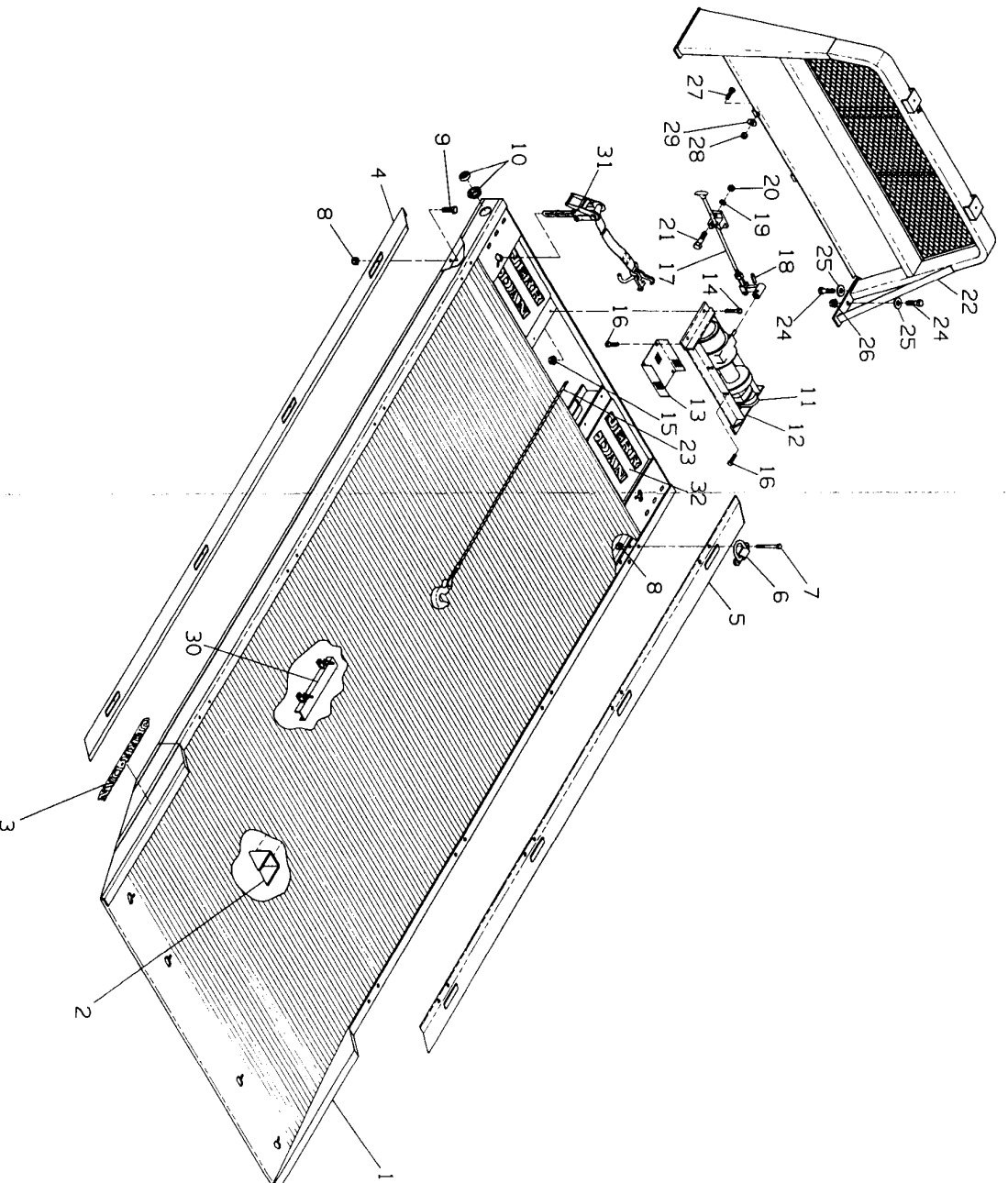
Rev. _____

Date _____

FINAL ASSEMBLY BASIC UNIT



DECK ASSEMBLY



PARTS LIST — DECK ASSEMBLY

Ref. No.	Part No.	Description	Qty.
1	D3-541-300013	Aluminum Deck (With Removable Rails)	1
	D3-541-300014	Alumunum Deck (With Fixed Rails)	
	D3-541-300015	Steel Deck (With Removable Rails)	
2	B3-178-000116	Bracket (Aluminum Decks)	1
	C4-178-000145	Bracket (Steel Decks)	
3	7-330-000108	Name Plate	2
4	D4-017-000334	L.H. Removable Raised Rail	1
5	D4-017-000345	R.H. Removable Raised Rail	1
6	3-556-000019	D-Ring Weldment	8
7	7-115-183650	Hex Head Capscrew	16
8	7-660-182601	Hex Lock Nut	24
9	7-115-181250	Hex Head Capscrew	8
10	7-590-000010	Amber Light	2
11	7-970-000019	Winch (8,000 lb. Planetary)	1
12	C3-455-000006	Winch Frame	1
13	C4-495-000006	Winch Pan Guard	1
14	7-115-181250	Hex Head Capscrew	4
15	7-660-182301	Flanged Lock Nut	4
16	7-115181050	Hex Head Capscrew	12
17	7-551-000007	Winch Shifter	1
18	7-690-152045	Roll Pin	1
19	7-950-160000	Lock Washer	2
20	7-660-160000	Hex Nut	2
21	7-111-161050	Hex Head Capscrew	2
22	D3-241-000018	Headboard 45"	1
	D3-241-000017	Headboard 34"	
23	A7-248-000001	Cable	1
24	7-108-201450	Hex Head Capscrew	6
25	7-950-200142	Flat Washer	12
26	7-660-200152	Hex Nut	4
27	7-111-181050	Hex Head Capscrew	2
28	7-660-182601	Hex Lock Nut	2
29	7-950-180161	Flat Washer	2
30*	B3-263-000030	Tilt Lockout Channel	1
31	B7-894-000019	Tie Down	4
32	C7-679-000007	Chain Tray Pad	2

* Consult Factory For Foreign Chassis Components

Rev. _____

Date _____

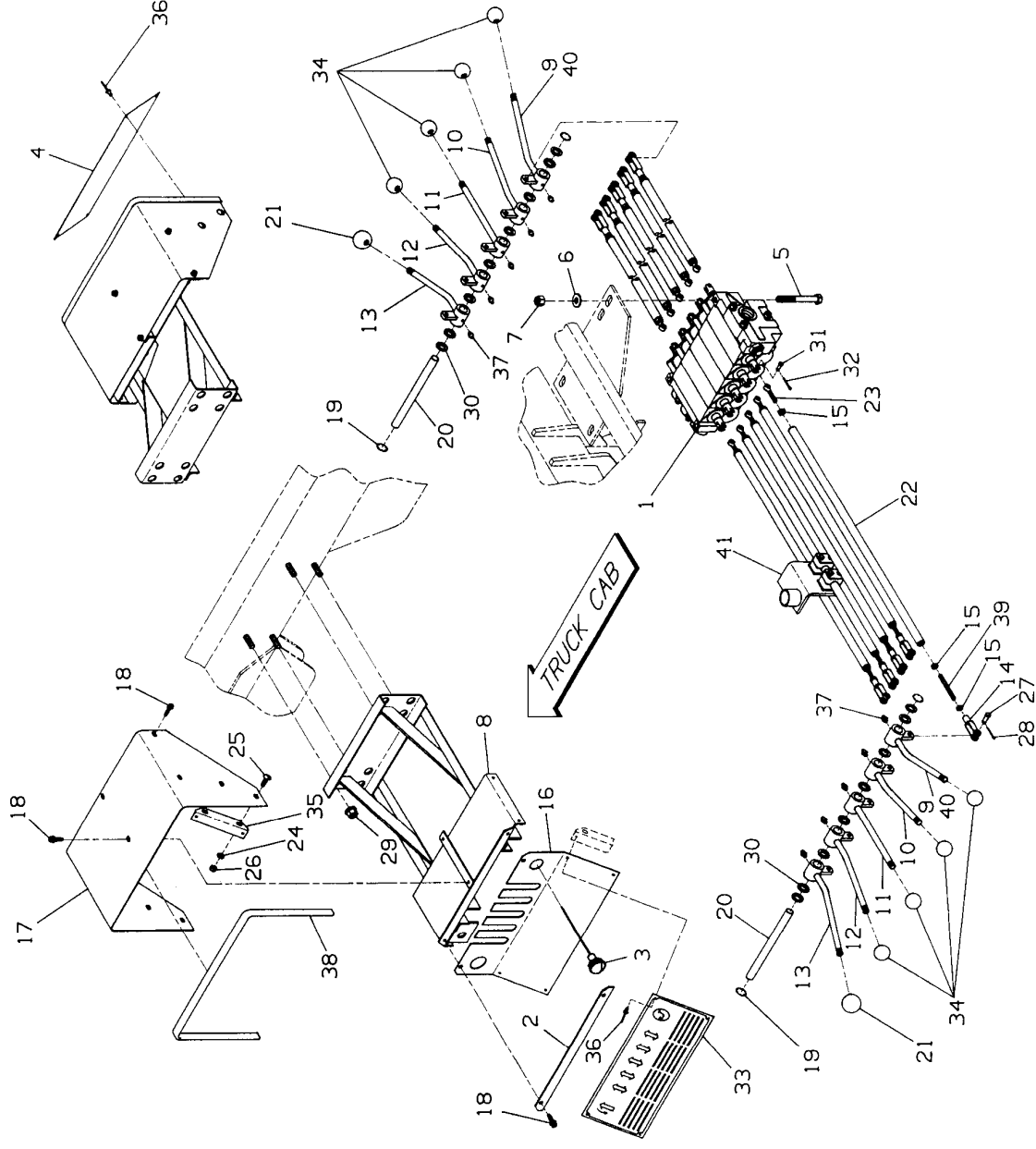
PARTS LIST — DUAL CONTROLS
(5 Bank Valve Shown)

Ref. No.	Part No.	Description	Qty.
1		Control Valve	1
2	A4-706-000645	Plate	2
3	7-590-000012	Light	2
4	C7-330-000096	Decal, L.H. (IRL)	1
5	7-111-162450	Hex Head Capscrew	3
6	7-950-160151	Flat Washer	3
7	7-660-161605	Hex Lock Nut	3
8	D3-177-000014	Support Weldment	2
9	C3-551-000013	Handle Weldment (5 Bank Valve Only)	0, 2
10	C3-551-000002	Handle Weldment	2, 2
11	C3-551-000017	Handle Weldment	2, 2
12	C3-551-000001	Handle Weldment	2, 2
13	C3-551-000012	Handle Weldment	2, 2
14	7-277-000001	Adjustable Clevis	8, 10
15	7-660-150230	Jam Nut	26, 30
16	C4-314-000016	Cover Plate	2
17	4-560-000008	Control Panel Hood	2
18	7-790-141056	Self-tapping Screw	16
19	7-754-000009	Retaining Ring	4
20	A4-691-000106	Pin	2
21	A7-551-000003	Knob (Red)	2
22	A3-763-000045	Control Rod	10
23	A7-765-000003	Rod End	8, 10
24	7-950-140000	Lock Washer	8
25	7-111-140613	Truss Head Machine Screw	8
26	7-660-140000	Hex Nut	8
27	7-690-151600	Clevis Pin	8, 10
28	7-690-021610	Cotter Pin	8, 10
29	7-660-182301	Flanged Lock Nut	8
30	7-950-220141	Flat Washer	16
31	7-690-141200	Clevis Pin	8, 10
32	7-690-000810	Cotter Pin	8, 10
33	C7-330-000095	Decal, R.H. (IRL)	1
34	A7-551-000002	Knob (Black)	6, 8
35	A4-017-000058	Angle	4
36	7-759-000004	Rivet	8
37	7-440-030000	Grease Fitting	8, 10
38	7-632-044031	Moulding	2
39	A4-763-000064	Rod	8, 10
40	A4-209-000021	Spacer Bushing (4 Bank Valve Only)	2, 0
41	C3-274-000008	Tilt Lockout Clamp Assembly	1

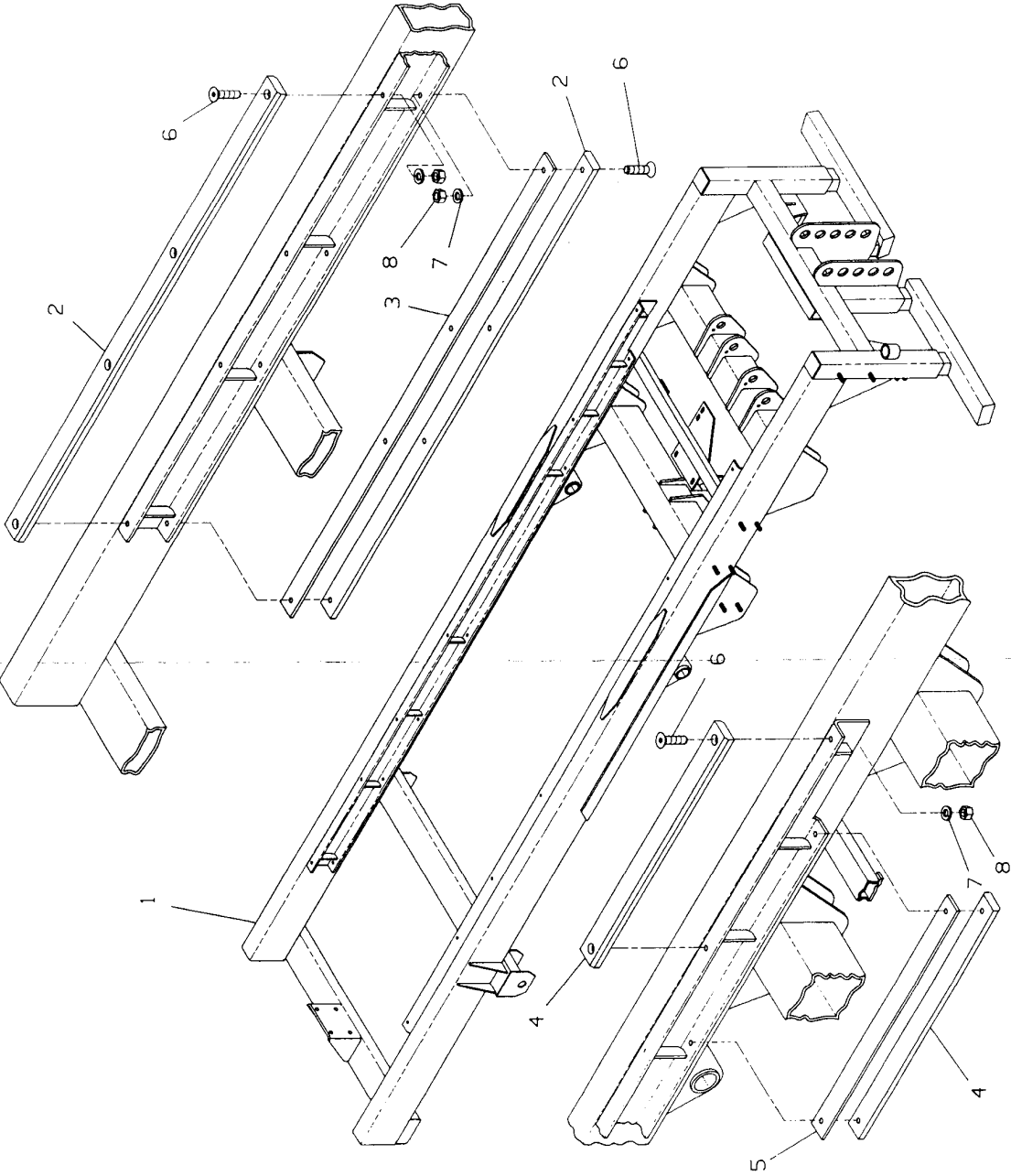
Rev. _____

Date _____

DUAL CONTROLS



SUBFRAME



PARTS LIST — SUBFRAME ASSEMBLY

Ref No.	Part No.	Description	Qty.
1	D3-541-700012	Subframe (Units With Tow Bar)	1
	D3-541-700016	Subframe (Units Without Tow Bar)	
2	B4-679-000073	Wear Pad, 48"	4
3	B4-812-000018	Shim (Steel Deck Only)	2
4	A4-679-000074	Wear Pad, 24"	4
5	A4-812-000019	Shim (Steel Deck Only)	2
6	7-115-161223	Flat Head Capscrew	16
7	7-950-160000	Lock Washer	16
8	7-660-160000	Hex Nut	16

Rev. _____

Date _____

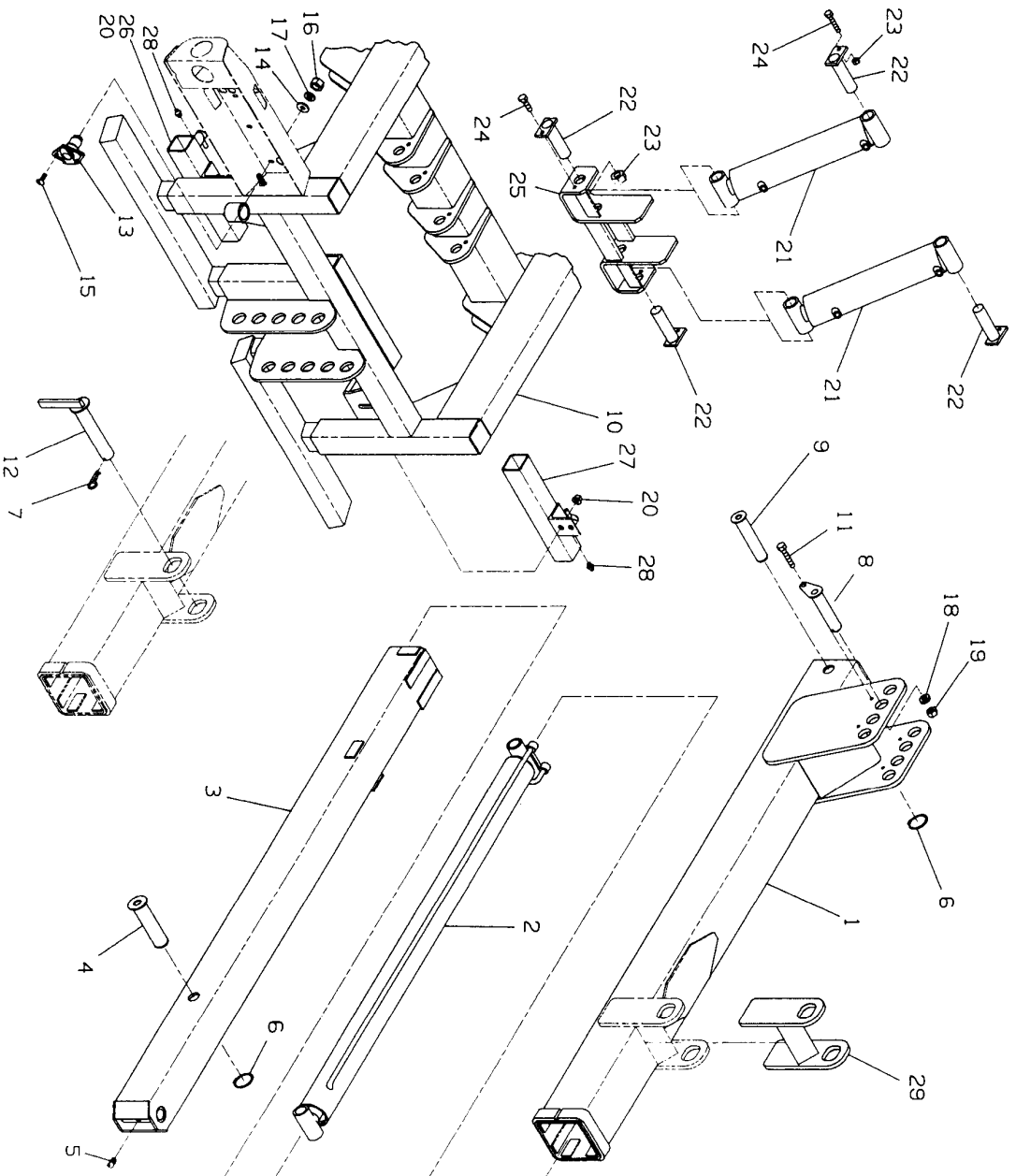
PARTS LIST — HYDRAULIC WHEEL LIFT TOW BAR INSTALLATION
(With and Without IRL)

Ref. No.	Part No.	Description	Qty.
1	D3-170-000023	Outer Tube Weldment (Low Profile Chassis)	1
	D3-170-000029	Outer Tube Weldment	
2	C3-320-000021	Tow Bar Cylinder	1
3	C3-170-000016	Inner Tube Weldment	1
4	A3-691-000011	Cylinder Pin	1
5	7-440-000200	Grease Fitting - 45°	1
6	7-754-000006	Retaining Ring	2
7	A7-691-000001	Hair Pin	1
8	3-691-000074	Pin Weldment	1
9	A3-691-000042	Cylinder Pin	1
10	D3-541-700012	Subframe	1
		(Units With Tow Bar/Wheel Lift)	
	D3-541-700016	Subframe	
		(Units Without Tow Bar/Wheel Lift)	
11	7-118-151250	Hex Head Bolt	1
12	A3-691-000067	Pin Weldment	1
13	A7-291-000003	Female Receptacle	1
14	7-950-140161	Flat Washer	2
15	7-111-140613	Truss Head Machine Screw	2
16	7-660-140000	Hex Nut	2
17	7-950-140000	Lock Washer	2
18	7-660-152600	Hex Lock Nut	1
19	7-950-150161	Flat Washer	1
20	7-660-000011	Flanged Lock Nut	4
21	C3-320-000037	Cylinder Assembly	2
		(Low Profile Chassis)	
	C3-320-000036	Cylinder Assembly	
22	3-691-000073	Pin Weldment	4
23	7-660-162301	Flanged Lock Nut	4
24	7-115-160850	Hex Head Capscrew	4
25	C3-178-000115	Bracket	1
26	B3-913-000027	L.H. Storage Tube	1
27	B3-913-000026	R.H. Storage Tube	1
28	7-440-030000	Grease Fitting - Straight	2
29	A3-606-000013	Lug Weldment	1
		(Low Profile Chassis)	
	A3-606-000012	Lug Weldment	

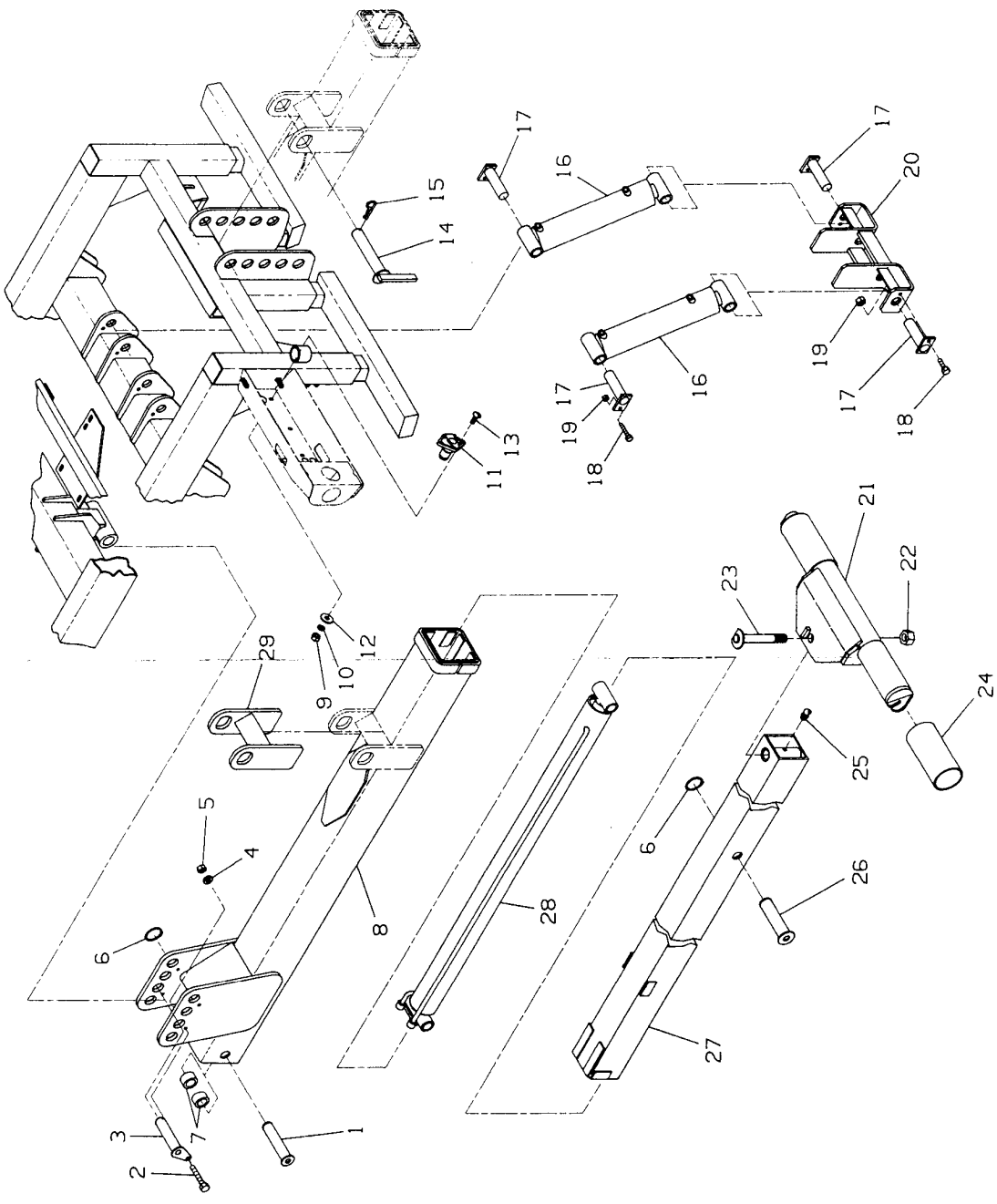
Rev. _____

Date _____

HYDRAULIC WHEEL LIFT TOW BAR INSTALLATION WITH AND WITHOUT IRL



HYDRAULIC TOW BAR INSTALLATION
WITH AND WITHOUT IRL



PARTS LIST — HYDRAULIC TOW BAR INSTALLATION
(With and Without IRL)

Ref. No.	Part No.	Description	Qty.
1	A3-691-000042	Pin Weldment	1
2	7-118-151250	Hex Head Capscrew	1
3	3-691-000074	Pin Weldment	1
4	7-950-150161	Flat Washer	1
5	7-660-152600	Hex Lock Nut	1
6	7-754-000006	Retaining Ring	2
7	A4-209-000020	Spacer	2
8	D3-170-000023	Outer Tube Weldment (Low Profile Chassis)	1
	D3-170-000029	Outer Tube Weldment	
9	7-660-140000	Hex Nut	2
10	7-950-140000	Lock Washer	2
11	A7-291-000003	Female Receptacle	1
12	7-950-140161	Flat Washer	2
13	7-111-140613	Truss Head Machine Screw	2
14	A3-691-000067	Pin Weldment	1
15	A7-691-000001	Hair Pin	1
16	C3-320-000037	Cylinder Assembly (Low Profile Chassis)	2
	C3-320-000036	Cylinder Assembly	
17	3-691-000073	Pin Weldment	4
18	7-115-160850	Hex Head Capscrew	4
19	7-660-162301	Flanged Lock Nut	4
20	C3-178-000115	Bracket	1
21	C3-556-000015	Tow Hitch	1
22	7-660-261638	Hex Lock Nut	1
23	A3-691-000016	Hitch Pin Weldment	1
24	A7-912-000011	Rubber Tube	2
25	7-440-000200	Grease Fitting - 45°	1
26	A3-691-000011	Pin Weldment	1
27	C3-170-000015	Inner Tube Weldment	1
28	C3-320-000020	Tow Bar Cylinder	1
29	A3-606-000013	Lug Weldment (Low Profile Chassis)	1
	A3-606-000012	Lug Weldment	

Rev. _____

Date _____

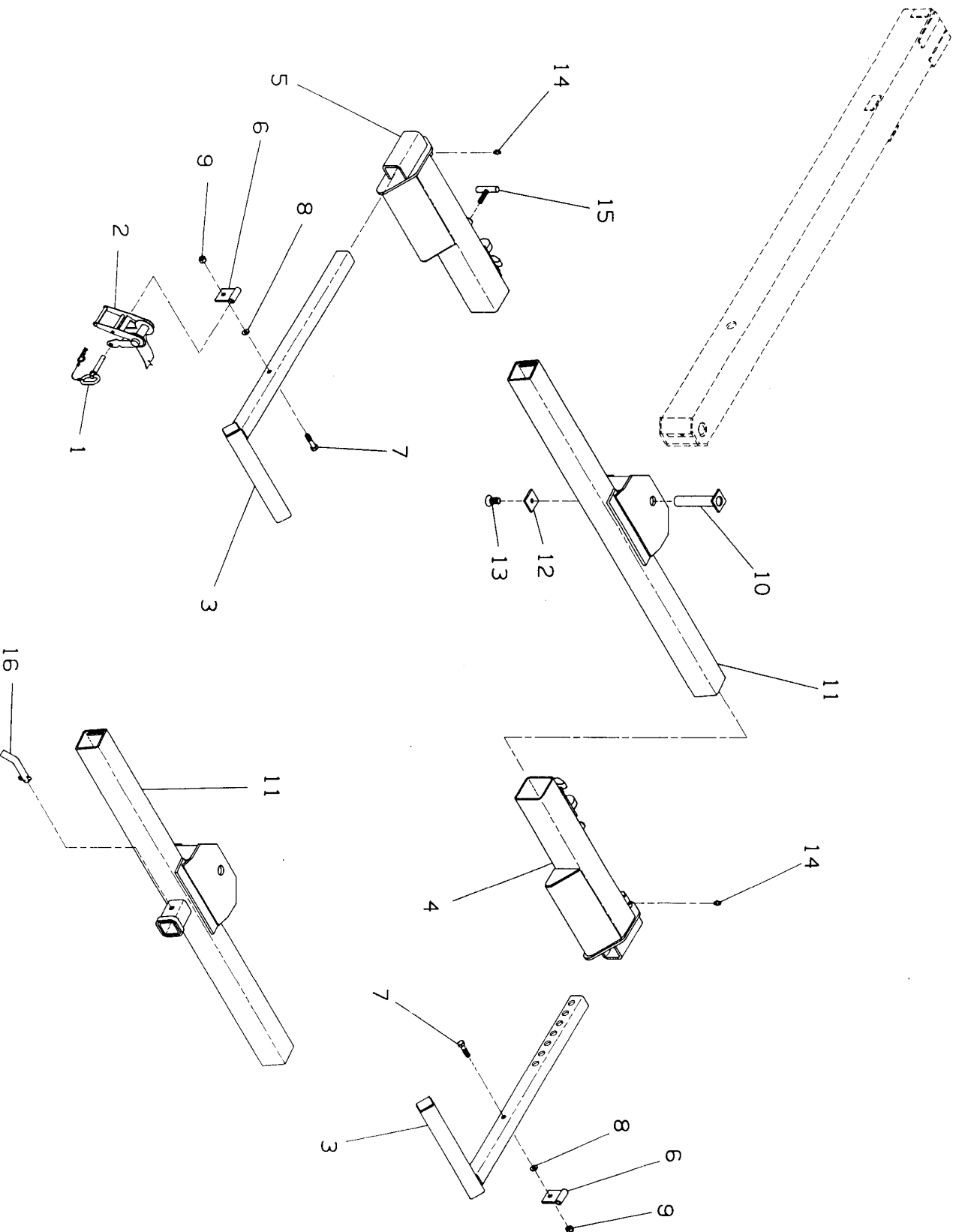
PARTS LIST — HYDRAULIC TOW BAR WHEEL GRID ASSEMBLY

Ref. No.	Part No.	Description	Qty.
1	A7-691-000011	Hitch Pin	2
2	A7-894-000002	Tie Down Strap	2
3	C3-511-880049	L - Arm	2
4	C3-511-880067	Grid Weldment, R.H.	1
5	C3-511-880068	Grid Weldment, L.H.	1
6	A3-178-000001	Anchor Bracket	2
7	7-105-182450	Hex Cap Screw	2
8	7-950-180153	Flatwasher	2
9	7-660-181630	Hex Locknut	2
10	B3-691-000021	Pin	1
11	C3-500-880043	Pivot Tube	1
	C3-500-880044	Pivot Tube w/Hitch Tube	
12	A4-949-000010	Plate	1
13	7-118-180820	Flat Head Bolt	1
14	7-440-030000	Grease Fitting	2
15	A3-551-000026	T - Handle	2
16	A7-691-000016	Hitch Pin	1

Rev. _____

Date _____

HYDRAULIC TOW BAR WHEEL GRID ASSEMBLY

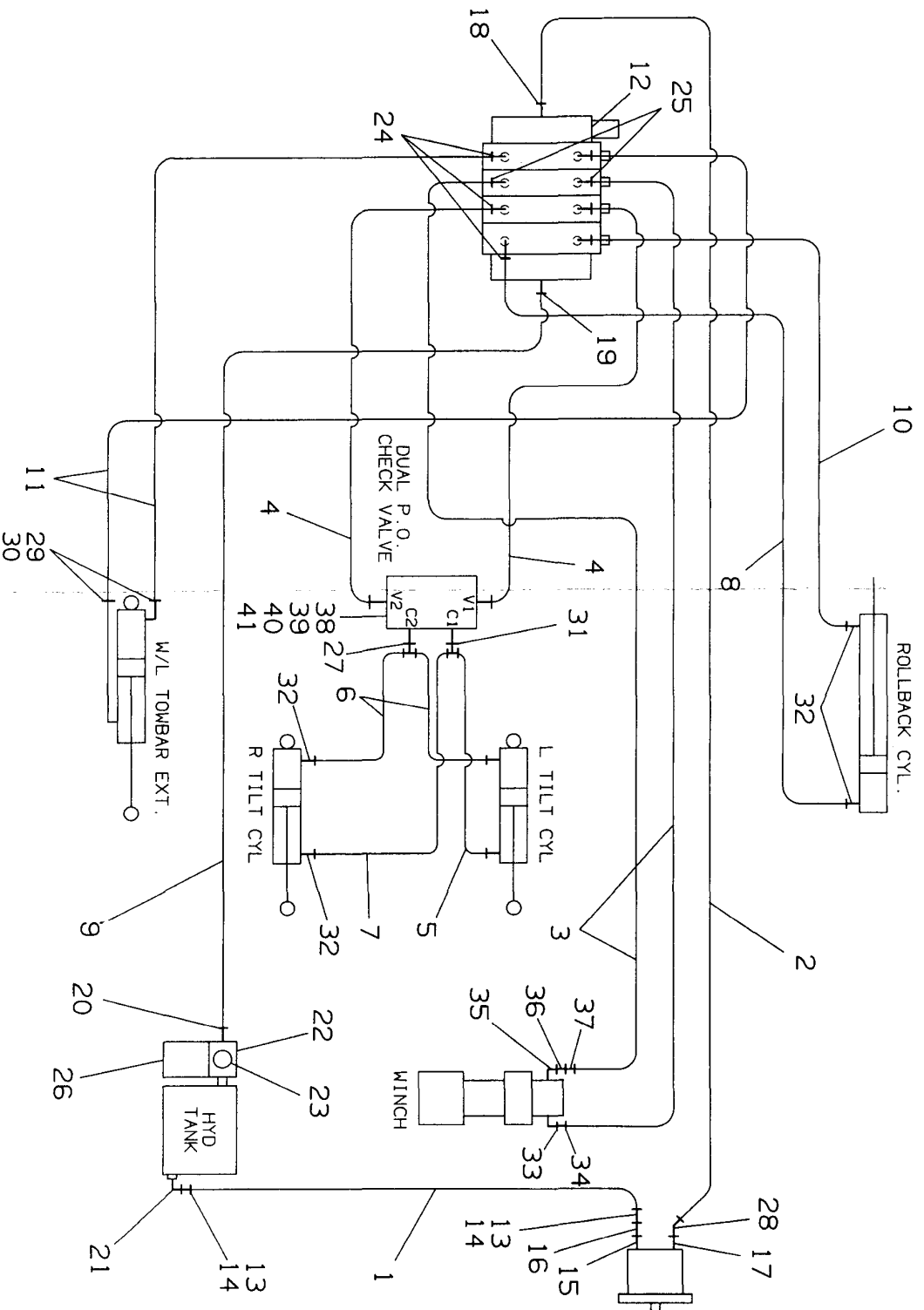


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Rev. _____
Date _____

HYDRAULIC COMPONENTS



PARTS LIST — HYDRAULIC COMPONENTS

Ref. No.	Part No.	Description	Qty.
1	4-570-000004	Suction Hose	1
2	4-567-130216	Pressure Hose	1
3	4-567-132200	Winch Hose	2
4	4-567-122098	Tilt Supply Hose	2
5	4-567-120035	Tilt Rod Hose	1
6	4-567-122030	Tilt Base Hose	2
7	4-567-122038	Tilt Rod Hose	1
8	4-567-122120	Roll Base Hose	1
9	4-567-160140	Return Hose	1
10	4-567-122040	Roll Rod Hose	1
11	4-567-122042	Tow Bar Supply Hose	2
12	7-935-000015	Control Valve	1
13	7-274-000002	Hose Clamp	3
14	7-443-000013	Reducer	2
15	7-444-081040	Reducer	1
16	7-650-080120	Nipple	1
17	7-444-080450	Reducer	1
18	7-445-081243	Straight Adapter	1
19	7-445-121243	Straight Adapter	1
20	7-445-121620	90° Elbow	1
21	7-444-101070	Street Elbow	1
22	7-430-000003	Filter Assembly	1
23	7-470-000002	Gauge	1
24	7-445-061043	Straight Adapter	6
25	7-445-081043	Straight Adapter	2
26	A7-431-000001	Filter Element	1
27	7-445-060647	Tee	1
28	7-445-080829	45° Elbow	1
29	7-445-060643	Straight Adapter	2
30	7-445-060672	90° Elbow	2
31	7-445-060648	Tee	1
32	7-445-060645	90° Elbow	6
33	7-445-081045	90° Elbow	1
34	7-443-000055	90° Elbow	1
35	7-445-100808	90° Elbow	1
36	7-935-000030	Check Valve	1
37	7-445-080820	90° Elbow	1
38	A7-935-000033	Dual Check Valve	1
39	7-111-151650	Hex Head Bolt	2
40	7-950-150000	Lock Washer	2
41	7-660-150000	Hex Nut	2

Rev. _____

Date _____

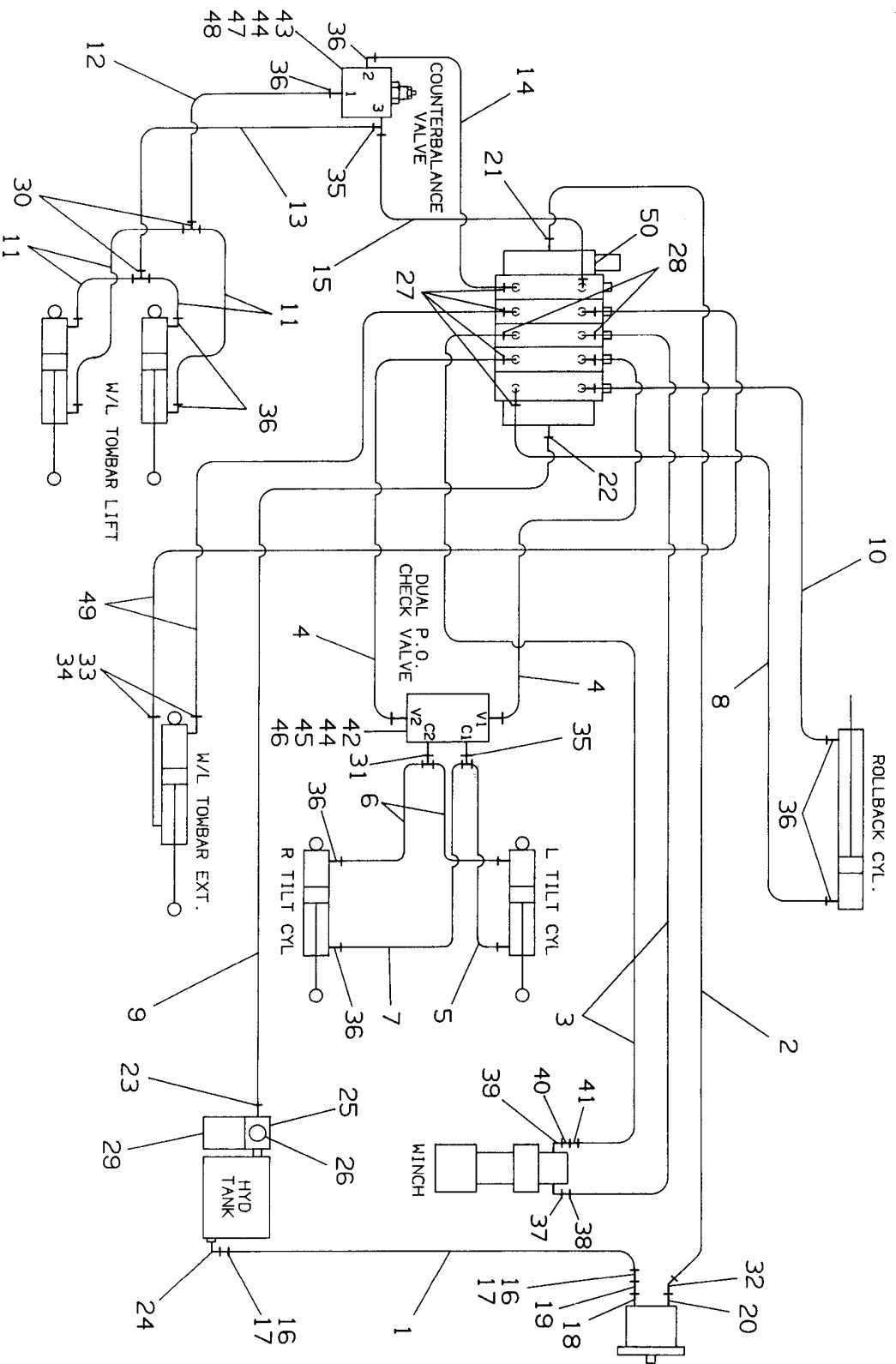
**PARTS LIST — HYDRAULIC COMPONENTS WITH IRL
(In-line Counterbalance Valve)**

Ref. No.	Part No.	Description	Qty.
1	4-570-000004	Suction Hose	1
2	4-567-130216	Pressure Hose	1
3	4-567-132200	Winch Hose	2
4	4-567-122098	Tilt Supply Hose	2
5	4-567-120035	Tilt Rod Hose	1
6	4-567-122030	Tilt Base Hose	2
7	4-567-122038	Tilt Rod Hose	1
8	4-567-122120	Roll Base Hose	1
9	4-567-160140	Return Hose	1
10	4-567-122040	Roll Rod Hose	1
11	4-567-120034	Tow Bar Lift Hose	4
12	4-567-122012	Tow Bar Lift Rod Hose	1
13	4-567-122010	Tow Bar Lift Base Hose	1
14	4-567-122020	Tow Bar Lift Rod Supply Hose	1
15	4-567-122014	Tow Bar Lift Base Supply Hose	1
16	7-274-000002	Hose Clamp	3
17	7-443-000013	Reducer	2
18	7-444-081040	Reducer	1
19	7-650-080120	Nipple	1
20	7-444-080450	Reducer	1
21	7-445-081243	Straight Adapter	1
22	7-445-121243	Straight Adapter	1
23	7-445-121620	90° Elbow	1
24	7-444-101070	Street Elbow	1
25	7-430-000003	Filter Assembly	1
26	7-470-000002	Guage	1
27	7-445-061043	Straight Adapter	8
28	7-445-081043	Straight Adapter	2
29	A7-431-000001	Filter Element	1
30	7-445-060637	Tee	2
31	7-445-060647	Tee	1
32	7-445-080829	45° Elbow	1
33	7-445-060643	Straight Adapter	2
34	7-445-060672	90° Elbow	2
35	7-445-060648	Tee	2
36	7-445-060645	90° Elbow	12
37	7-445-081045	90° Elbow	1
38	7-443-000055	90° Elbow	1
39	7-445-100808	90° Elbow	1
40	7-935-000030	Check Valve	1
41	7-445-080820	90° Elbow	1
42	A7-935-000033	Dual Check Valve	1
43	A7-935-000001	Counterbalance Valve	1
44	7-111-151650	Hex Head Bolt	4
45	7-950-150000	Lock Washer	2
46	7-660-150000	Hex Nut	2
47	7-950-150161	Flat Washer	2
48	7-660-152600	Lock Nut	2
49	7-567-122042	Tow Bar Supply Hose	2
50	4-935-000013	Control Valve	1

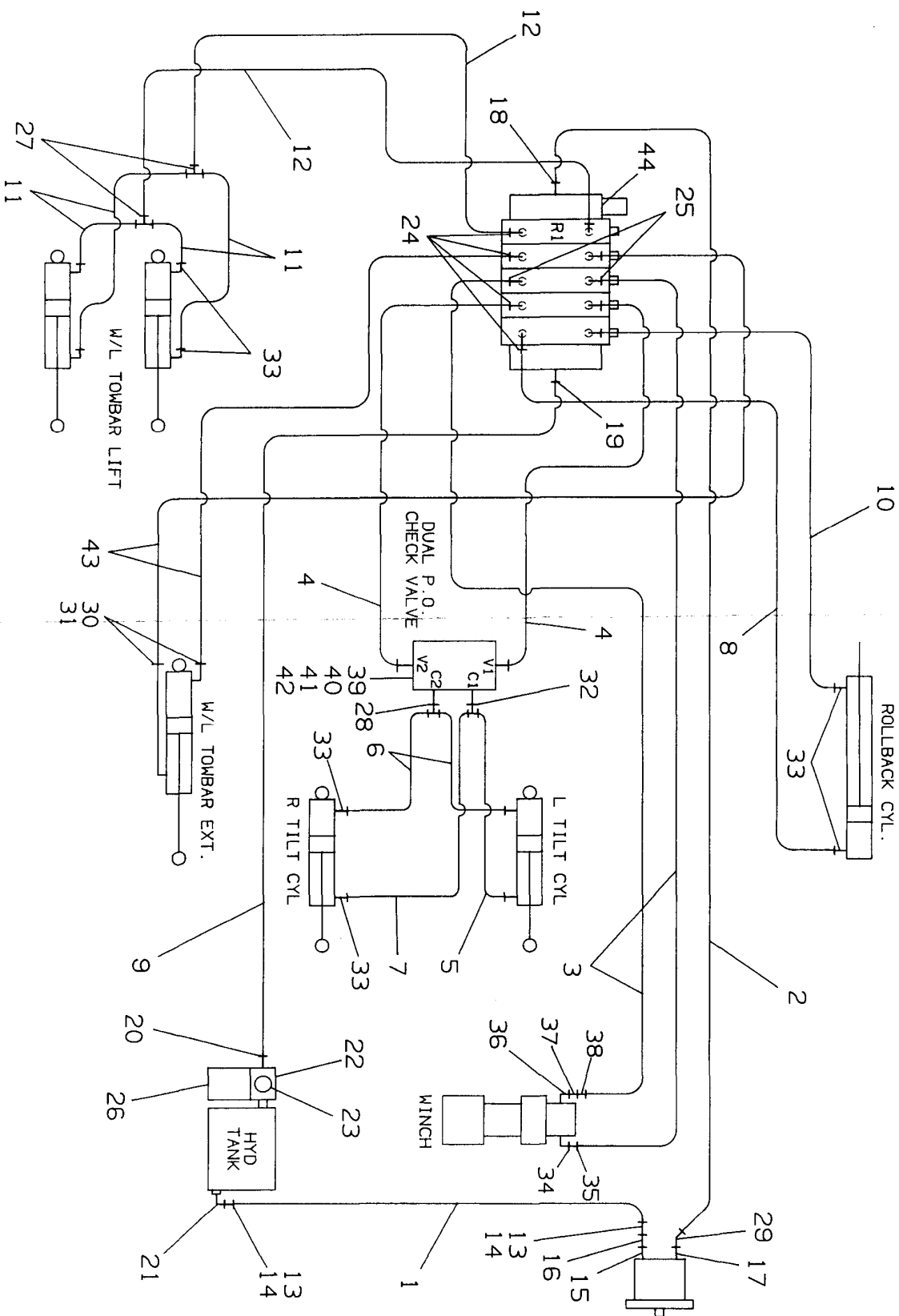
Rev. _____

Date _____

HYDRAULIC COMPONENTS WITH IRL TOW BAR (IN-LINE COUNTERBALANCE VALVE)



HYDRAULIC COMPONENTS WITH IRL TOW BAR (R1 INTEGRAL COUNTERBALANCE VALVE)



**PARTS LIST — HYDRAULIC COMPONENTS WITH IRL
(R1 Integral Counterbalance Valve)**

Ref. No.	Part No.	Description	Qty.
1	4-570-000004	Suction Hose	1
2	4-567-130216	Pressure Hose	1
3	4-567-132200	Winch Hose	2
4	4-567-122098	Tilt Supply Hose	2
5	4-567-120035	Tilt Rod Hose	1
6	4-567-122030	Tilt Base Hose	2
7	4-567-122038	Tilt Rod Hose	1
8	4-567-122120	Roll Base Hose	1
9	4-567-160140	Return Hose	1
10	4-567-122040	Roll Rod Hose	1
11	4-567-120034	Tow Bar Lift Hose	4
12	4-567-122020	Tow Bar Lift Supply Hose	2
13	7-274-000002	Hose Clamp	3
14	7-443-000013	Reducer	2
15	7-444-081040	Reducer	1
16	7-650-080120	Nipple	1
17	7-444-080450	Reducer	1
18	7-445-081243	Straight Adapter	1
19	7-445-121243	Straight Adapter	1
20	7-445-121620	90° Elbow	1
21	7-444-101070	Street Elbow	1
22	7-430-000003	Filter Assembly	1
23	7-470-000002	Guage	1
24	7-445-061043	Straight Adapter	8
25	7-445-081043	Straight Adapter	2
26	A7-431-000001	Filter Element	1
27	7-445-066037	Tee	2
28	7-445-060647	Tee	1
29	7-445-080829	45° Elbow	1
30	7-445-060643	Straight Adapter	2
31	7-445-060672	90° Elbow	2
32	7-445-060648	Tee	1
33	7-445-060645	90° Elbow	10
34	7-445-081045	90° Elbow	1
35	7-443-000055	90° Elbow	1
36	7-445-100808	90° Elbow	1
37	7-935-000030	Check Valve	1
38	7-445-080820	90° Elbow	1
39	A7-935-000033	Dual Check Valve	1
40	7-111-151650	Hex Head Bolt	2
41	7-950-150000	Lock Washer	2
42	7-660-150000	Hex Nut	2
43	7-567-122042	Tow Bar Supply Hose	2
44	4-935-000014	Control Valve	1

Rev. _____

Date _____

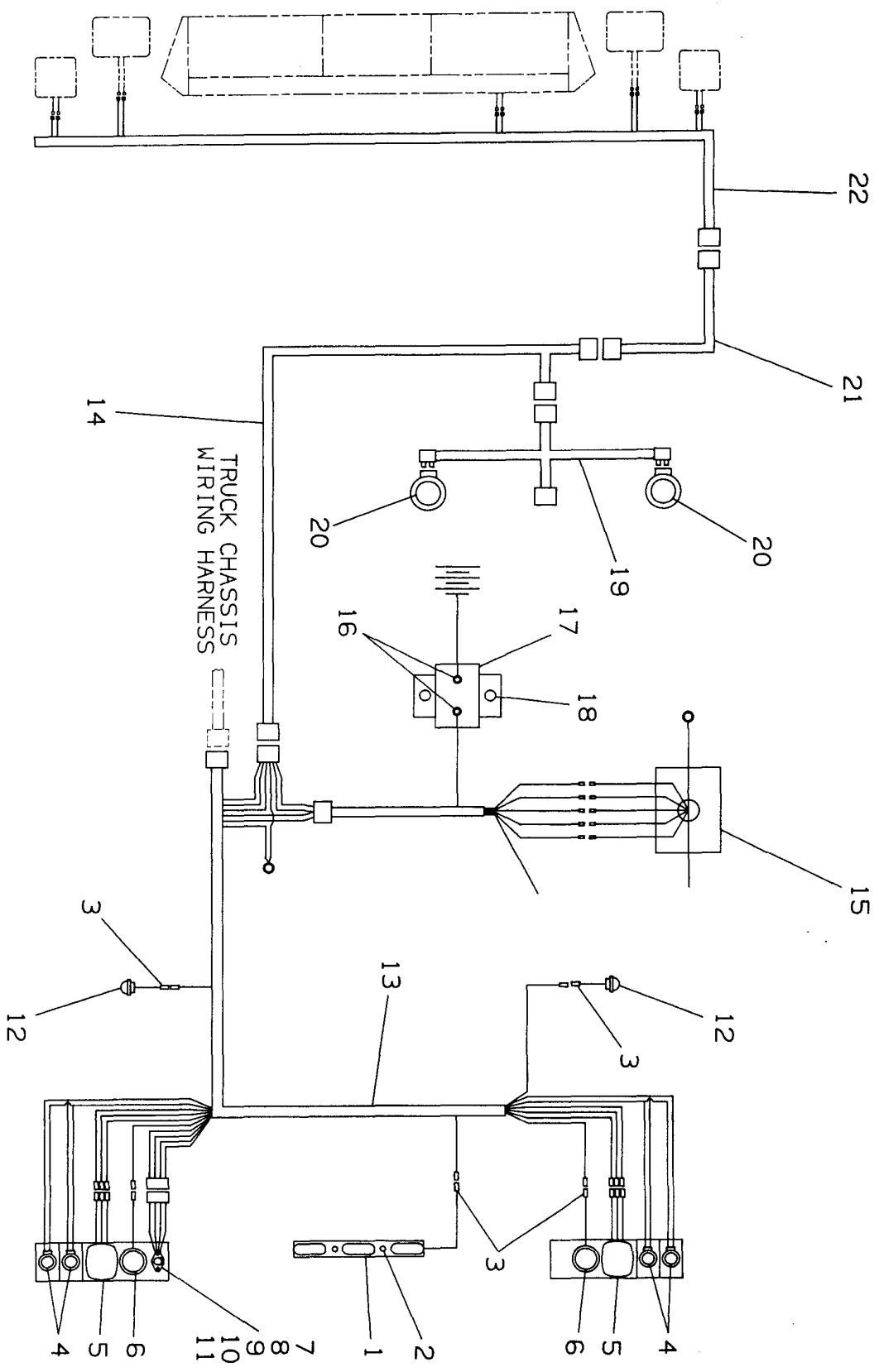
PARTS LIST — LIGHTS AND WIRING

Ref. No.	Part No.	Description	Qty.
1	A7-590-000007	Bar Lamp	1
2	7-790-141056	Self-tapping Screw	2
3	7-345-001703	Terminal Pin	16
4	7-590-000009	Red Light	4
5		Stop-Tail-Turn Light	2
6	A7-590-000011	Work Light	2
7	A7-291-000003	Female Receptacle	1
8	7-111-140613	Truss Head Screw	2
9	7-660-140000	Nut	2
10	7-950-140000	Lock Washer	2
11	7-950-140161	Flat Washer	2
12	A7-590-000012	Light	2
13	D7-552-000005	Wiring Harness	1
14	B7-552-000007	Wiring Harness	1
		(Units Without Emergency Lights)	
	B7-552-000006	Wiring Harness	
		(Units With Emergency Lights)	
15	A7-870-000017	Switch Box	1
16	7-345-211901	Terminal Ring	4
17	7-457-000004	Circuit Breaker	1
18	7-790-100856	Self-tapping Screw	2
19	B7-552-000021	Wiring Harness	1
20	7-590-000010	Amber Light	2
21	B7-552-000009	Wiring Harness	1
22	B7-552-000004	Wiring Harness	1

Rev. _____

Date _____

LIGHTS AND WIRING



WIRE COLOR	FUNCTION
ORANGE	BEACON LIGHTS
PURPLE	FLOOD LIGHTS
BLUE	TRACTOR LIGHTS
BROWN	PARKING LIGHTS
RED	POWER (HOT)
GREY	EXTRA
BLACK	BACK-UP LIGHTS
GREEN	RIGHT TURN
YELLOW	LEFT TURN
WHITE	GROUND

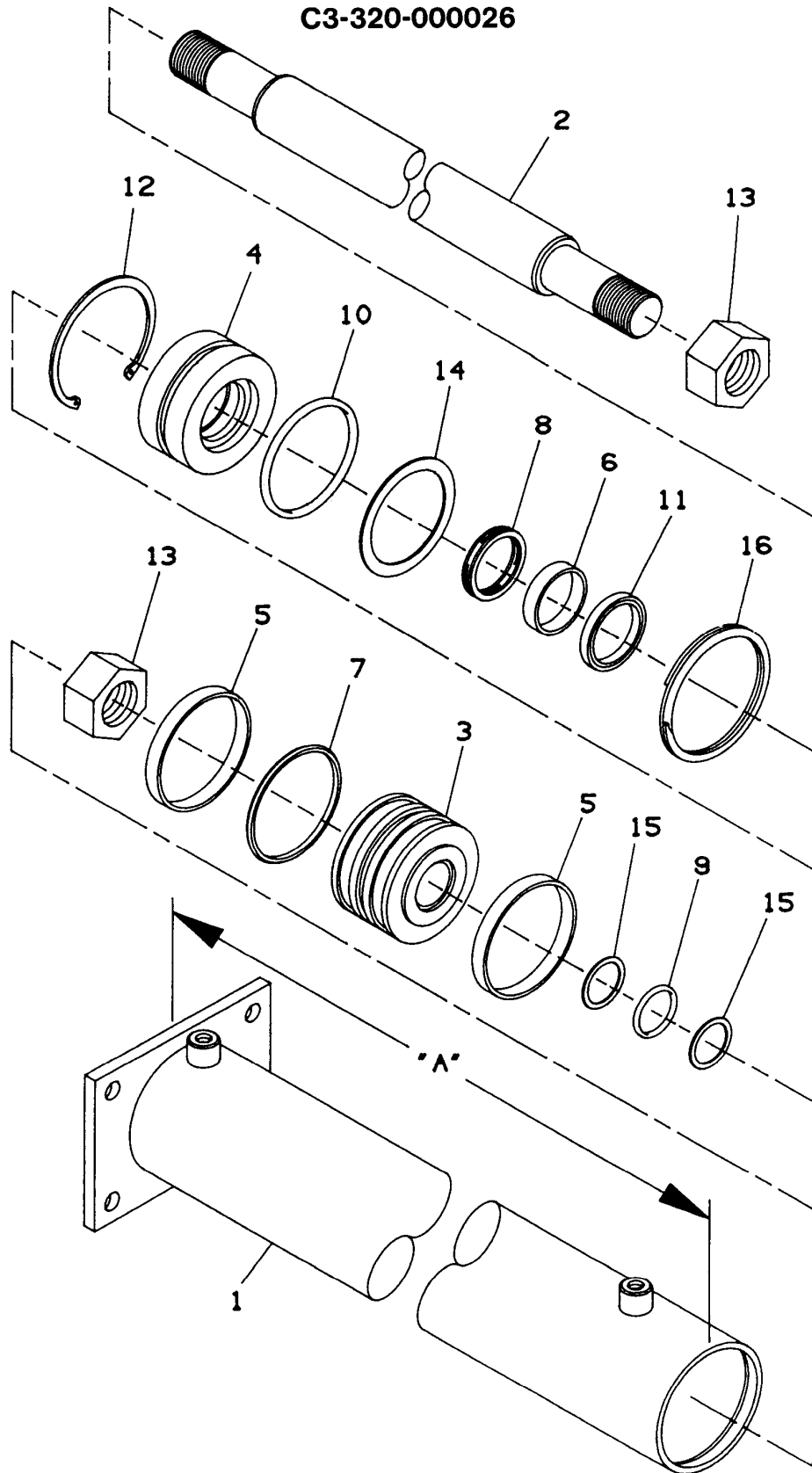
PARTS LIST — ROLL BACK CYLINDER

C3-320-000026

Ref. No.	Part No.	Description	Qty.
1	C3-071-000024	Barrel ("A"=114.75)	1
2	4-763-000091	Rod ("A"=114.75)	1
3	B4-698-000009	Piston	1
4	B4-553-000010	Head	1
5	A7-796-000013*	Ring Wear	2
6	A7-796-000012*	Ring Wear	1
7	A7-796-000014*	Seal Piston	1
8	7-796-000025*	Seal Rod	1
9	7-755-226000*	"O" Ring	1
10	7-755-338000*	"O" Ring	1
11	A7-796-000011*	Seal Rod Wiper	1
12	A7-754-000016*	Ring, Retaining	1
13	7-660-342031	Locknut	2
14	7-755-338609*	Ring, Backup	1
15	7-755-326609*	Ring, Backup	2
16	7-754-000027*	Ring, Retainer	1

* Available only in service kit #7-577-250025.

ROLLBACK CYLINDER
C3-320-000026



Rev. _____

Date _____

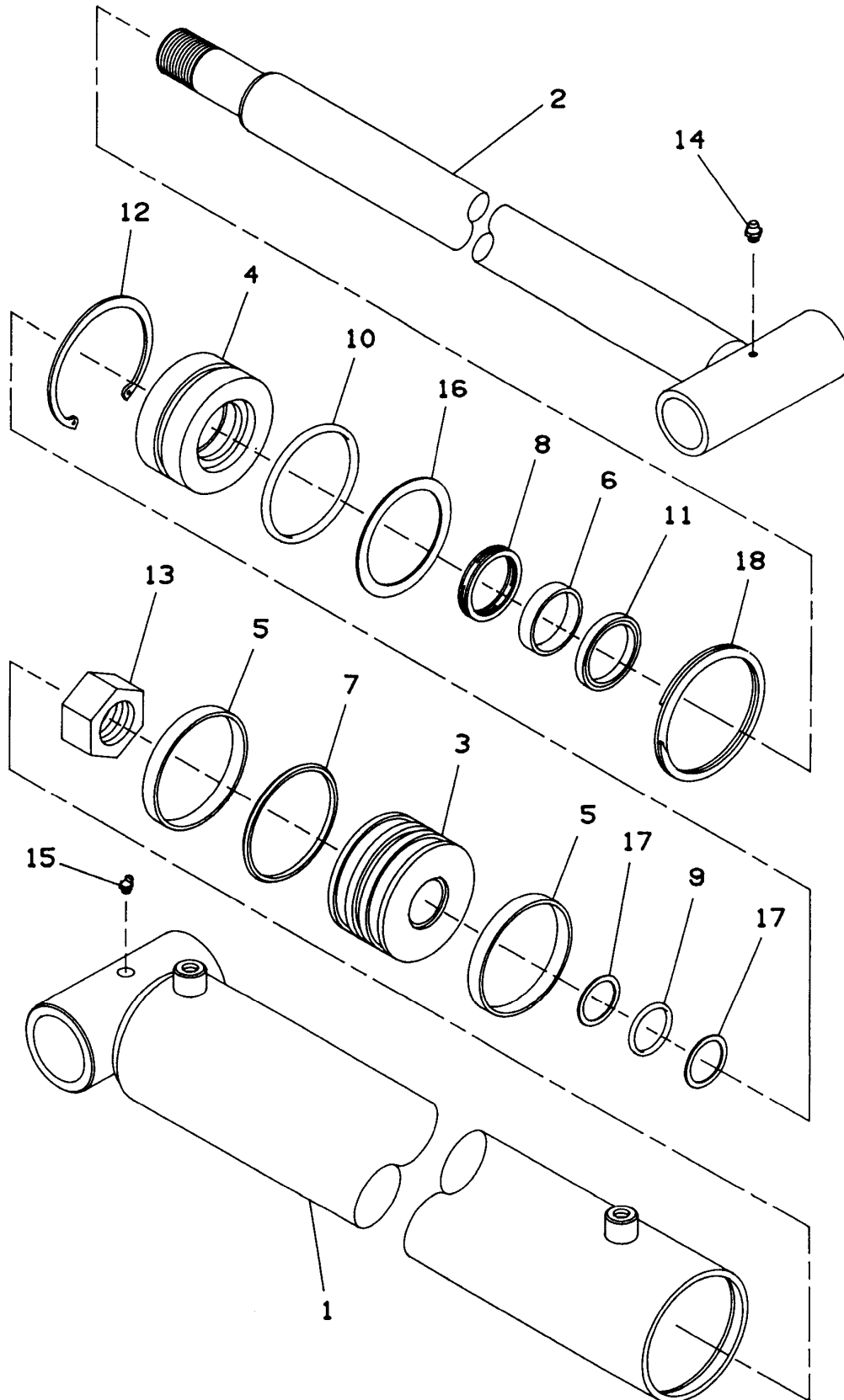
PARTS LIST — TILT CYLINDER

C3-320-000009

Ref. No.	Part No.	Description	Qty.
1	3-071-000009	Barrel Weldment	1
2	3-763-000033	Rod	1
3	B4-698-000007	Piston	1
4	B4-553-000008	Head	1
5	A7-754-000003*	Ring, Wear	2
6	A7-754-000004*	Ring, Wear	1
7	A7-796-000006*	Seal, Piston 'T'	1
8	A7-796-000024*	Seal, Rod	1
9	7-755-224000*	"O" Ring	1
10	7-755-334000*	"O" Ring	1
11	A7-796-000008*	Seal, Rod Wiper	1
12	A7-754-000002*	Ring, Retaining	1
13	7-660-262031	Nut, Lock	1
14	7-440-000000	Fitting, Grease	1
15	7-440-000200	Fitting, Grease 45°	1
16	7-755-334609*	Ring, Backup	1
17	7-755-224609*	Ring, Backup	2
18	7-754-000026*	Ring, Retaining	1

* Available only in Service Kit #7-577-250024.

TILT CYLINDER
C3-320-000009



Rev. _____

Date _____

PARTS LIST — IRL CYLINDER

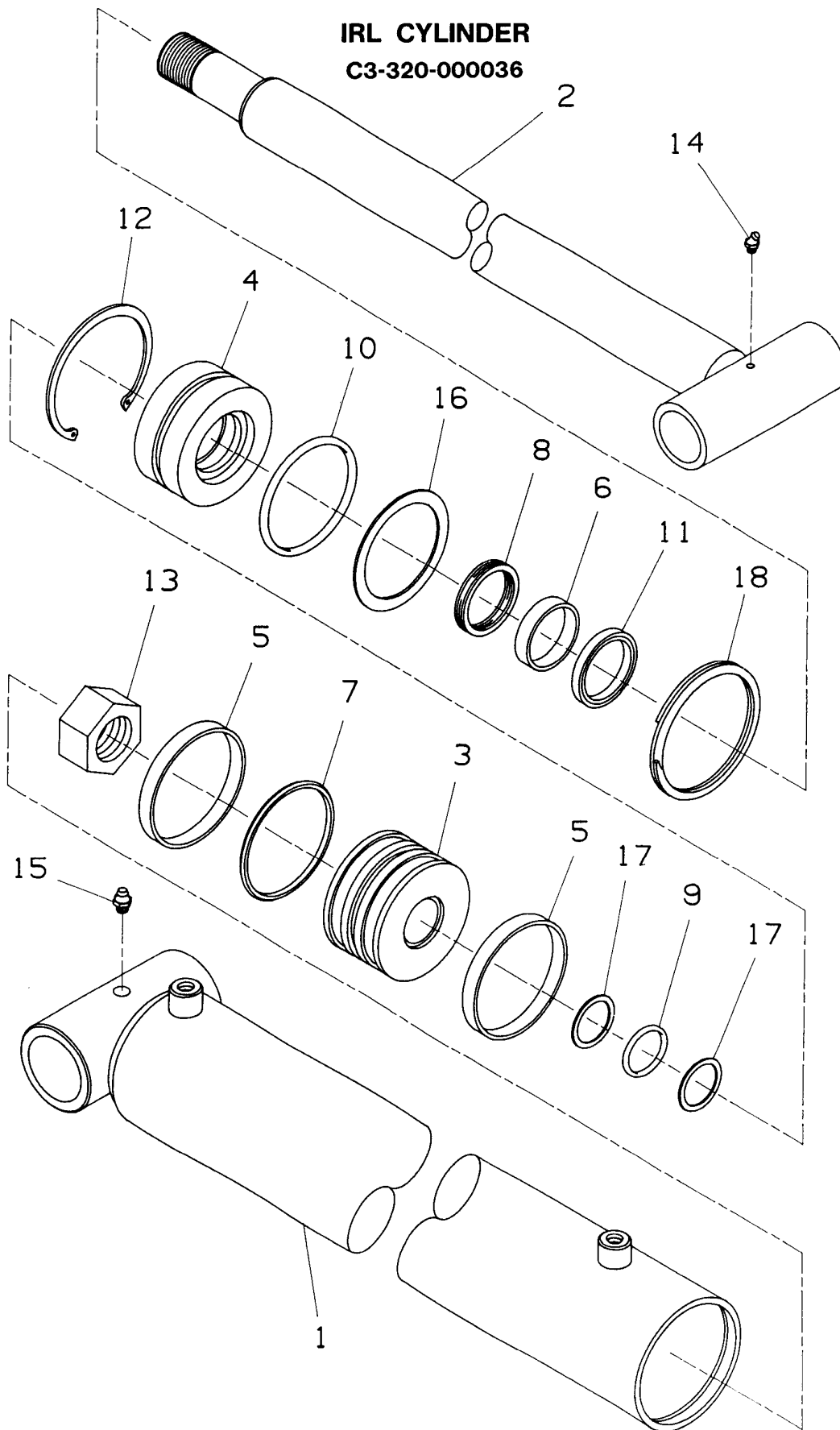
C3-320-000036

Ref. No.	Part No.	Description	Qty.
1	C3-071-000034	Barrel	1
2	3-763-000047	Rod	1
3	B4-698-000007	Piston	1
4	B4-533-000008	Head	1
5	A7-754-000003*	Ring, Wear	2
6	A7-754-000004*	Ring, Wear	1
7	A7-796-000006*	Seal, Piston 'T'	1
8	A7-796-000024*	Seal, Rod	1
9	7-755-224000*	"O" Ring	1
10	7-755-334000*	"O" Ring	1
11	A7-796-000008*	Seal, Rod Wiper	1
12	A7-754-000002*	Ring, Retaining	1
13	7-660-262031	Nut, Lock	1
14	7-440-000000	Fitting, Grease	1
15	7-440-000200	Fitting, Grease-45°	1
16	7-755-224609*	Ring, Backup	1
17	7-755-334609*	Ring, Backup	2
18	7-754-000027*	Ring, Retaining	1

* Available only in service kit #7-577-250024.

Rev. _____

Date _____



PARTS LIST – TOWBAR CYLINDER

C3-320-000020

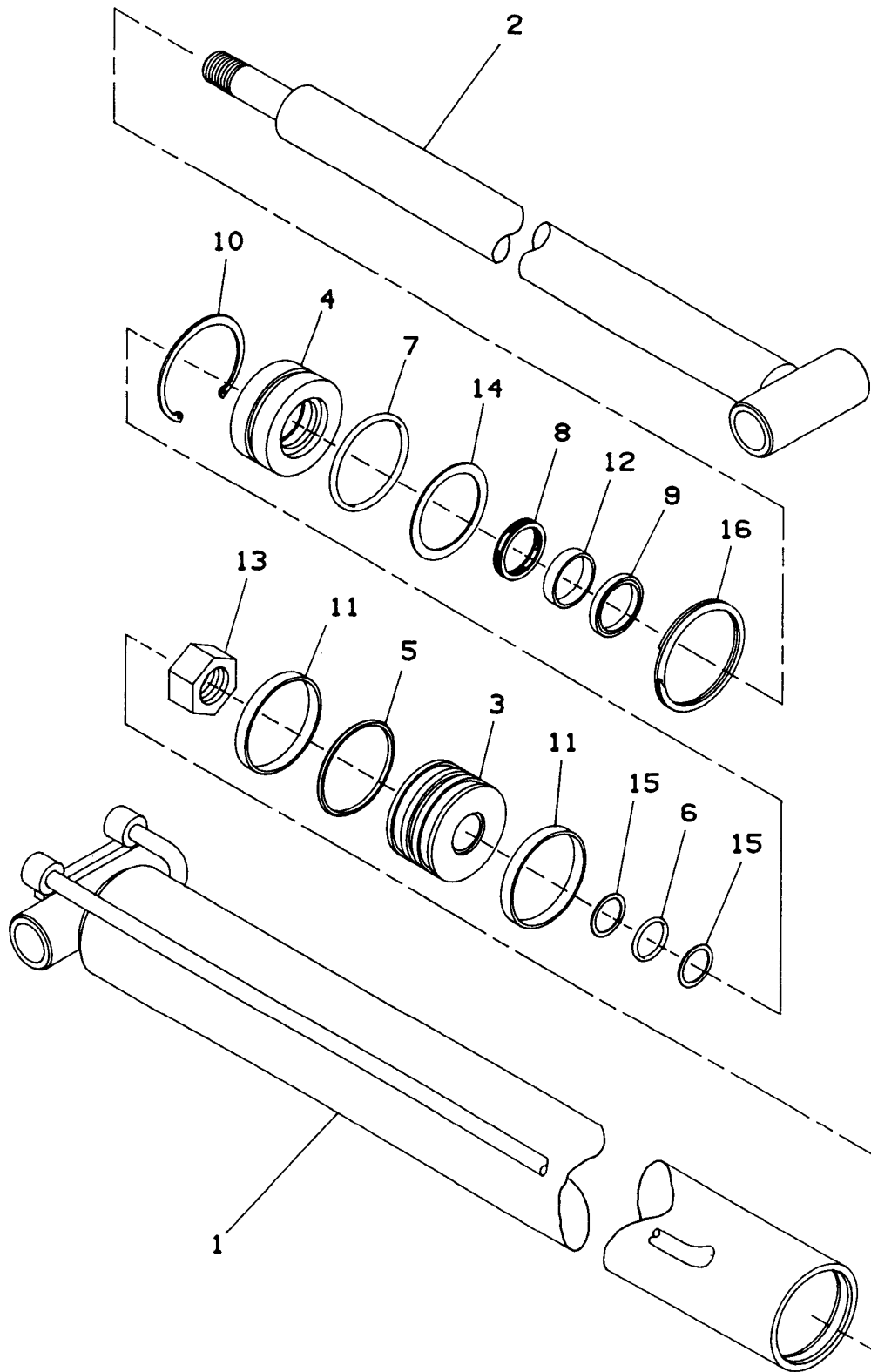
Ref. No.	Part No.	Description	Qty.
1	C3-071-000020	Barrel	1
2	B3-763-000035	Rod	1
3	B4-698-000007	Piston	1
4	B4-553-000008	Head	1
5	A7-796-000006*	Seal, Piston 'T'	1
6	7-755-224000*	"O" Ring	1
7	7-755-334000*	"O" Ring	1
8	A7-796-000024*	Seal, Rod	1
9	A7-796-000008*	Seal, Rod Wiper	1
10	A7-754-000002*	Ring, Retaining	1
11	A7-754-000003*	Ring, Wear	1
12	A7-754-000004*	Ring, Wear	1
13	7-660-262031	Nut, Lock	1
14	7-755-334609*	Ring, Backup	1
15	7-755-224609*	Ring, Backup	2
16	7-754-000026*	Ring, Retaining	1

* Available only in service kit #7-577-250024.

Rev. _____

Date _____

TOW BAR CYLINDER
C3-320-000020



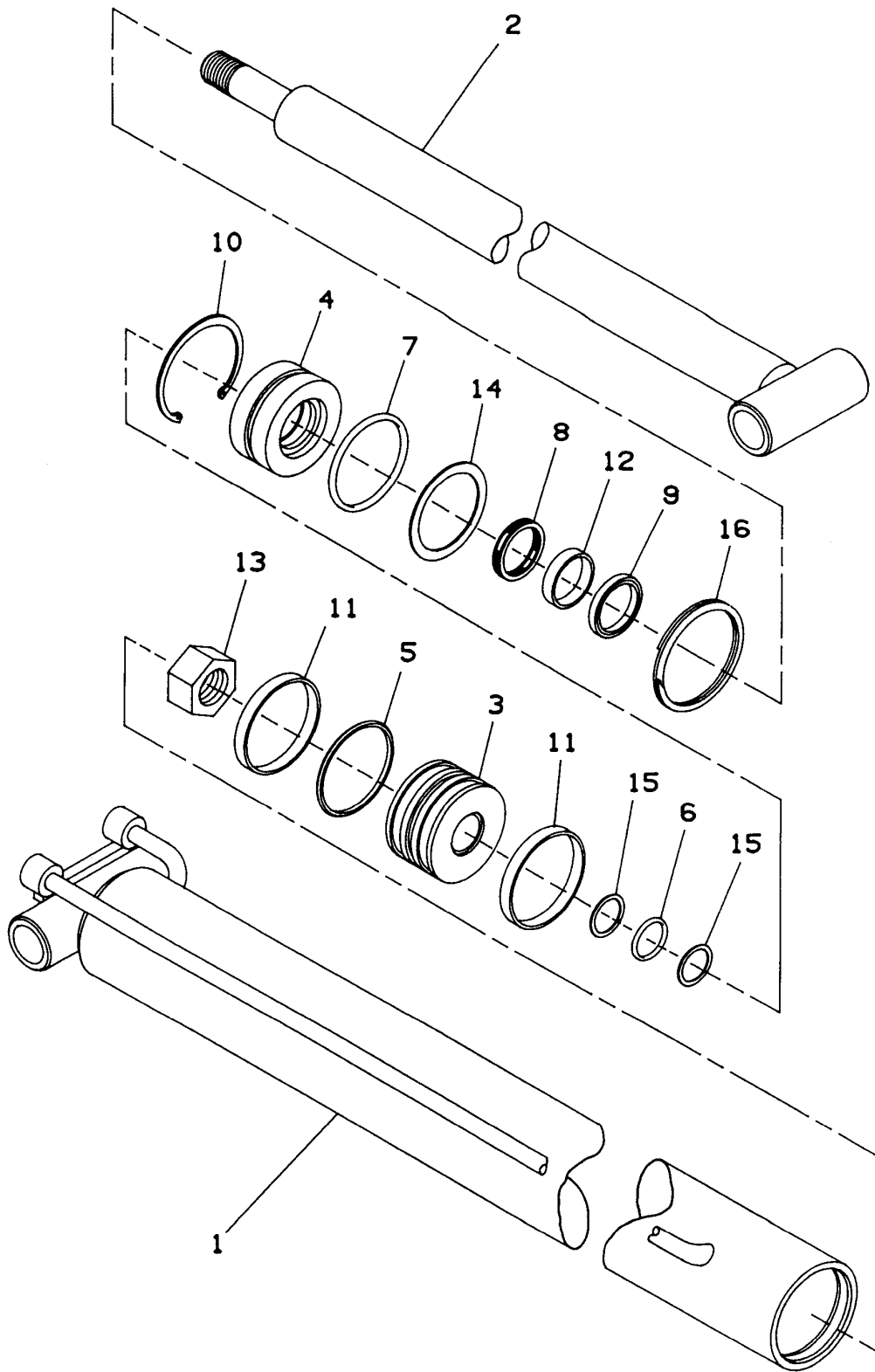
PARTS LIST – WHEEL LIFT TOWBAR CYLINDER

C3-320-000021

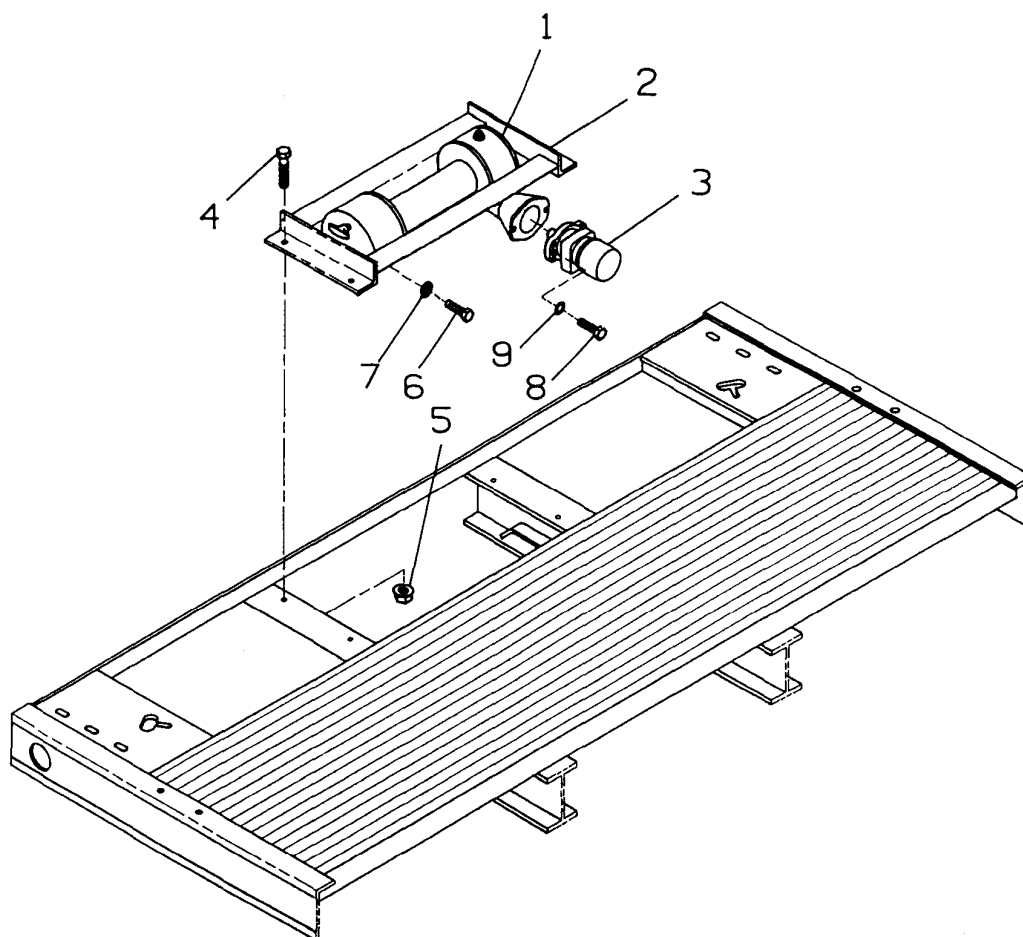
Ref. No.	Part No.	Description	Qty.
1	C3-071-000021	Barrel	1
2	B3-763-000036	Rod	1
3	B4-698-000007	Piston	1
4	B4-553-000008	Head	1
5	A7-796-000006*	Seal, Piston 'T'	1
6	7-755-224000*	"O" Ring	1
7	7-755-334000*	"O" Ring	1
8	A7-796-000024*	Seal, Rod	1
9	A7-796-000008*	Seal, Rod Wiper	1
10	A7-754-000002*	Ring, Retaining	1
11	A7-754-000003*	Ring, Wear	1
12	A7-754-000004*	Ring, Wear	1
13	7-660-262031	Nut, Lock	1
14	7-755-334609*	Ring, Backup	1
15	7-755-224609*	Ring, Backup	2
16	7-754-000026*	Ring, Retaining	1

* Available only in service kit #7-577-250024.

WHEEL LIFT TOW BAR CYLINDER
C3-320-000021



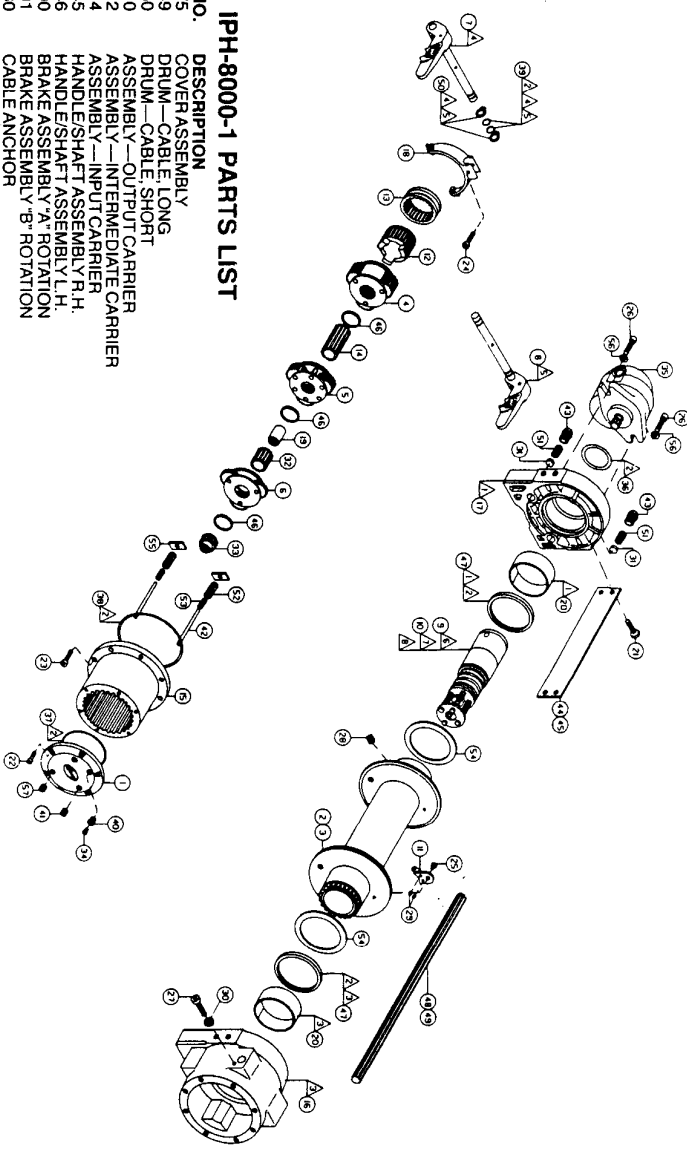
WINCH INSTALLATION **(Worm Gear)**



Ref. No.	Part No.	Description	Qty.
1	7-970-000007	Winch	1
2	C7-636-000030	Winch Mount	1
3	7-626-000008	Orbit Motor	1
4	7-115-181450	Hex Head Capscrew	4
5	7-660-182301	Flanged Lock Nut	4
6	7-115-160850	Hex Head Capscrew	8
7	7-950-160000	Lock Washer	8
8	7-111-181050	Hex Head Capscrew	2
9	7-950-180450	Lock Washer	2

Rev. _____

WINCH & ASSEMBLY (8,000 LB. PLANETARY)



IPH-8000-1 PARTS LIST

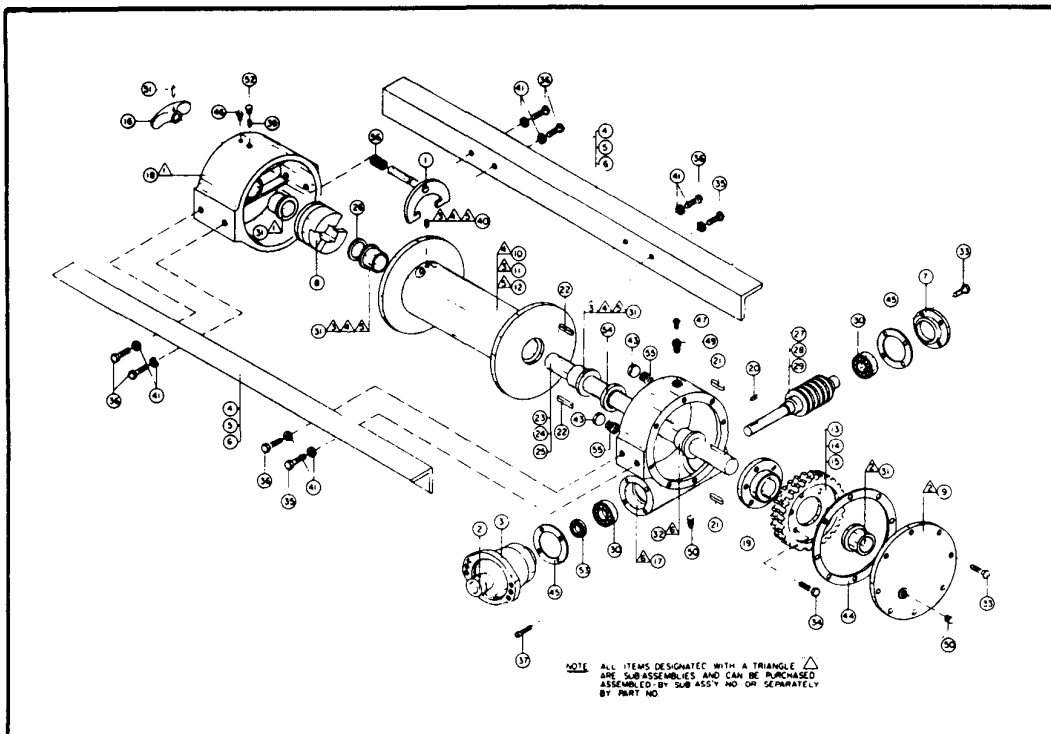
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	228075	COVER ASSEMBLY
2	1	234149	DRUM—CABLE, LONG
3	1	234150	DRUM—CABLE, SHORT
4	1	247010	ASSEMBLY—OUTPUT CARRIER
5	1	247012	ASSEMBLY—INTERMEDIATE CARRIER
6	1	247014	ASSEMBLY—INPUT CARRIER
7	1	276046	HANDLE/SHAFT ASSEMBLY, R.H.
8	1	276046	HANDLE/SHAFT ASSEMBLY, L.H.
9	1	296230	BRAKE ASSEMBLY, 7" ROTATION
10	1	296231	BRAKE ASSEMBLY, 8" ROTATION
11	1	299860	CABLE ANCHOR
12	1	324271	COUPLING—CLUTCH
13	1	324323	RING—LOCKING
14	1	334159	GEAR—SUN, OUTPUT
15	1	334160	GEAR—RING
16	1	338264	END BEARING—GEAR HOUSING
17	1	338265	END BEARING—MOTOR
18	1	370053	YOKE
19	1	412073	BUSHING—INPUT SHAFT
20	2	412074	BUSHING—DRUM
21	8	414620	CAPSCREW 1/2"—20NC x 1LG. HX. HD. GR 5 LOK-WEL
22	6	414848	CAPSCREW 1/2"—20NC x 1LG. SOC. HD. LOK-WEL
23	8	414869	CAPSCREW 3/8"—18NC x 1 1/2 LG. SOC. HD. LOK-WEL
24	1	414871	CAPSCREW 3/8"—18NC x 1 1/2 LG. SOC. HD. LOK-WEL
25	1	414871	CAPSCREW 1/2"—20NC x 1 1/2 LG. SOC. HD. LOK-WEL
26	2	414922	CAPSCREW 3/8"—16NC x 1 1/2 LG. FLAT SOC. HD. LOK-WEL
27	1	414930	CAPSCREW 3/8"—16NC x 1 1/2 LG. SOC. HD. NY LOK
28	1	416028	CAPSCREW 3/8"—16NC x 1 1/2 LG. SOC. HD. NY LOK
29	1	416050	SETSCREW 1/4"—20NC x 1 1/2 LG. CUP PT. LOK-WEL
30	2	418036	NUT 3/8"—16NC LJM
31	2	438014	DISC—DRAG BRAKE
32	1	444062	GEAR—SUN, INTERMEDIATE
33	1	444063	GEAR—SUN, INPUT
34	1	456008	BREATHER
35	1	456008	MOTOR—HYDRAULIC
36	1	462028	O-RING .06 WD. x 3.38 O.D. x 3.25 I.D.
37	1	462030	O-RING .103 SO. x 5.875 I.D.
38	1	462031	O-RING .09 WD. x 6.94 O.D. x 6.75 I.D.
39	2	462037	O-RING .06 WD. x .82 O.D. x .50 I.D.
40	1	468002	REDUCER
41	1	468018	PLUG 3/8"—18NPT SOC. HD.
42	2	470068	PIN—CLUTCH SPRING
43	2	472018	TIE PLATE—DRAG BRAKE
44	2	474056	TIE PLATE—LONG DRUM
45	2	474065	TIE PLATE—SHORT DRUM

ITEM NO.	QTY.	PART NO.	DESCRIPTION
46	3	477005	RING—THRUST
47	2	486075	LIP SEAL
48	1	489013	SHAFT—INPUT, LONG DRUM
49	1	489014	SHAFT—INPUT, SHORT DRUM
50	2	490001	RING—SNAP, EXTERNAL 3/4 I.D.
51	2	494002	SPRING—DRAG BRAKE
52	2	494082	SPRING—CLUTCH
53	2	494086	SPRING—CLUTCH
54	2	518029	WASHER—DRUM
55	2	518031	WASHER—YOKE SPRING
56	2	518031	WASHER—YOKE SPRING
57	1	468030	PLUG 3/8"—18NPT SOC. HD. MAGNETIC

SUB-ASSEMBLIES IPH-8000-1

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	202009	END BEARING ASSY.—MOTOR
1	1	246036	SEAL KIT (ALL SEALS)
1	1	248049	HOUSING ASSY.—CLUTCH
1	1	276043	HANDLE ASSY. R.H.
1	1	276044	HANDLE ASSY. L.H.
1	1	256044	BRAKE ASSEMBLY KIT—"A" ROTATION
1	1	256045	BRAKE ASSEMBLY KIT—"B" ROTATION
1	1	256046	FRICITION DISCKIT

ITEMS DESIGNATED WITH A TRIANGLE "Δ" ARE
SUB-ASSEMBLIES AND CAN BE PURCHASED BY
SUB-ASSEMBLY NUMBER.



MATERIAL LISTING

ITEM NO.	QTY REQD.	PART NO.	DESCRIPTION	ITEM NO.	QTY REQD.	PART NO.	DESCRIPTION	ITEM NO.	QTY REQD.	PART NO.	DESCRIPTION
1	1	276028	Shifter Ass'y.	27	1	368002	Worm 46:1 Ratio	41	8	418177	Lockwasher 3/8 Med. Section
2	1	299037	Coupling Ass'y.	28	1	368007	Worm 60:1 Ratio				
3	1	300037	Adapter	29	1	368011	Worm 30:1 Ratio				
4	2	302421	Angle "Std's"	30	2	402002	Ball Bearing				
5	2	302423	Angle "Y" Mod's.	31	4	412003	Bushing	43	2	438001	Drag Brake
6	2	302525	Angle "B" Mod's.	32	1	412007	Bushing	44	1	442001	Gasket
7	1	316083	Bearing Caps	33	12	414049	Capscrew 1/4-20NC x 3/4 Hx. Hd. C.P.	45	2	442002	Gasket
8	1	324137	Jaw Clutch	34	6	414110	Capscrew 5/16-18NC x 3/4 Hx. Hd.	46	1	456001	Lub Fitting
9	1	328105	Cover	35	2	414309	Capscrew 3/8-16NC x 3/4 Hx. Hd. C.P.	47	1	456008	Relief Fitting
10	1	332002	Drum "B" Mod.	36	6	414310	Capscrew 3/8-16NC x 1 Hx. Hd. C.P.	49	1	468002	Reducer
11	1	332005	Drum "Std's"	37	4	414842	Capscrew 1/4-20NC x 1 3/4 Hx. Soc. Hd.	50	2	468011	Pipe Plug
12	1	332079	Drum "Y" Mod.					51	1	470033	Spiral Pin
13	1	334004	Gear 60:1 Ratio					52	1	472012	Plug-Rubber
14	1	334005	Gear 46:1 Ratio					53	1	486009	Oil Seal
15	1	334020	Gear 30:1 Ratio					54	1	486017	Oil Seal
16	1	336010	Handle					55	2	494002	Spring
17	1	338017	Housing-Gear					56	1	494053	Spring
18	1	338208	Housing-Clutch								
19	1	340001	Hub-Gear								
20	1	342029	Key								
21	2	342075	Key	39	1	416030	Setscrew 1/4-20NC x 3/8 Hx. Soc. Hd.				
22	2	450006	Key (Barth)								
23	1	357403	Shaft-Drum "Std's"	40	1	416057	Less-Full Dog Point				
24	1	357405	Shaft-Drum "Y"								
25	1	357406	Shaft-Drum "B"								
26	1	366016	Spacer								

SUB ASSEMBLY LISTING

ITEM NO.	QTY REQD.	PART NO.	DESCRIPTION	ITEM NO.	QTY REQD.	PART NO.	DESCRIPTION
Δ 1	1	222038	Clutch Ass'y	Δ 5	1	234080	Drum Ass'y. ("Y")
Δ 2	1	228055	Cover Ass'y. (G.H.)	Δ 6	1	258008	Gear Hsg. Ass'y.
Δ 3	1	234004	Drum Ass'y. (Std.)				
Δ 4	1	234019	Drum Ass'y. ("B")				

Rev. _____

Date _____