

HIGHLINE MFG.
INC.

PRE '97

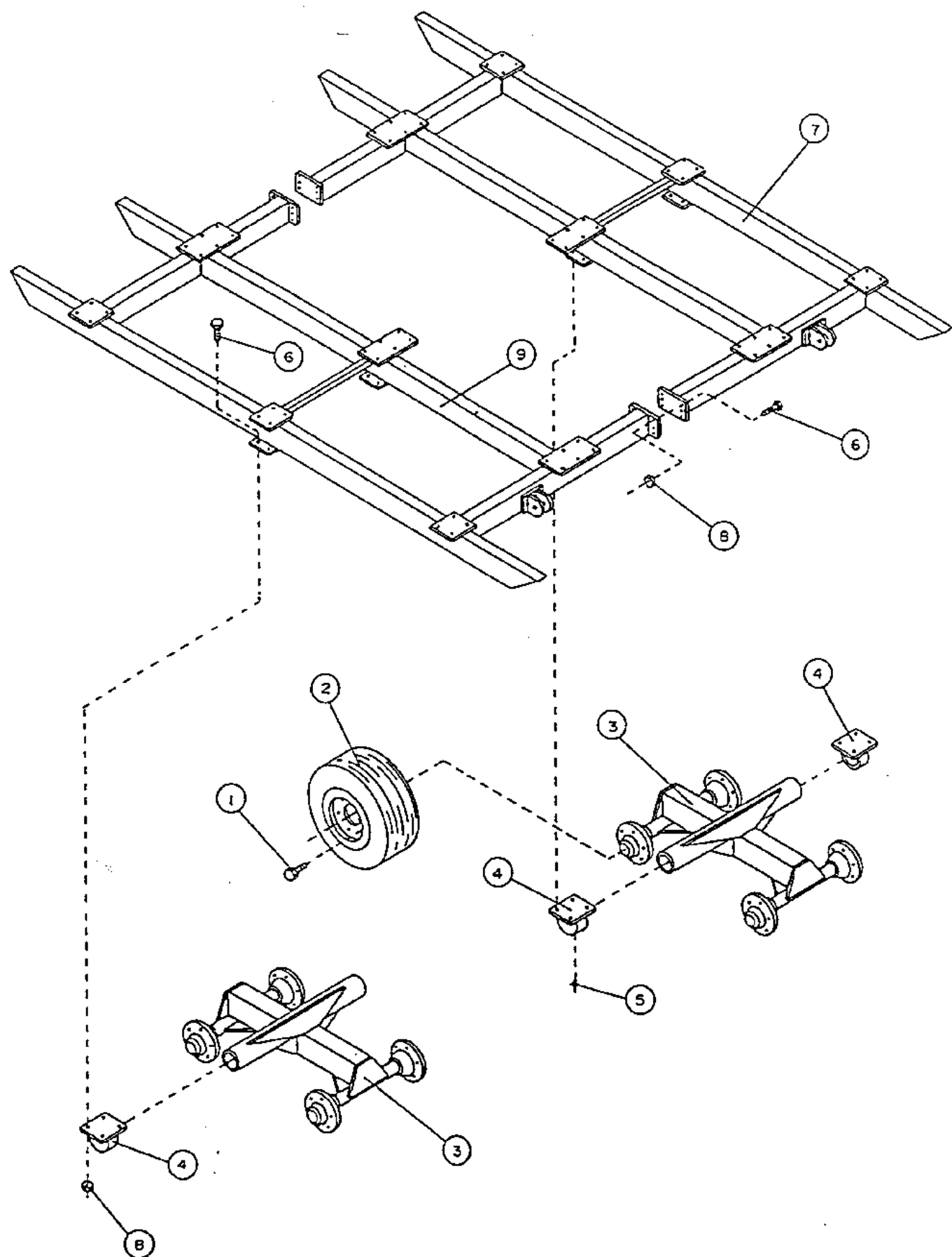
MODEL 1400

Assembly-Operator Parts Manual

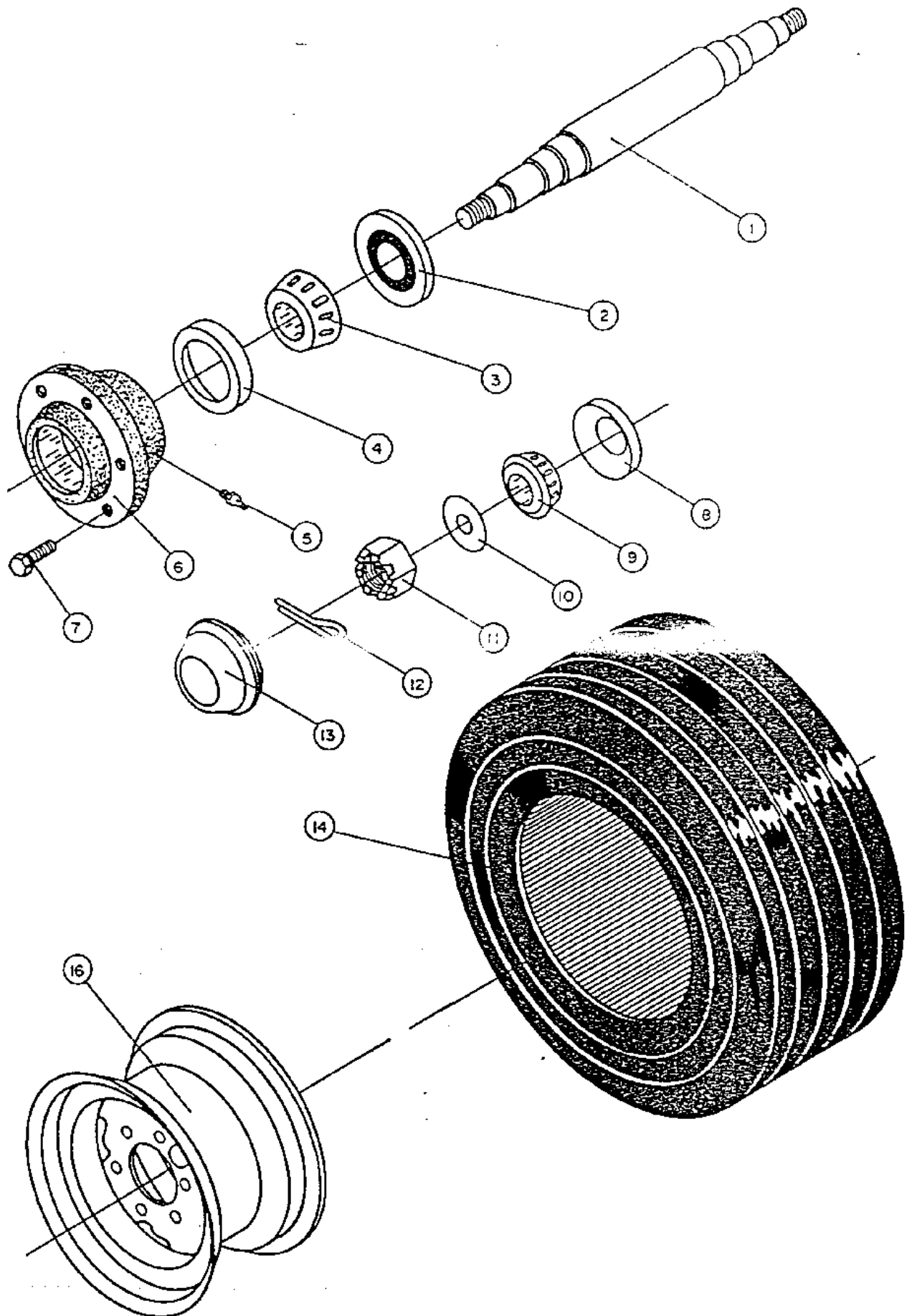
PARTS CATALOGUE

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Main Sub Frame

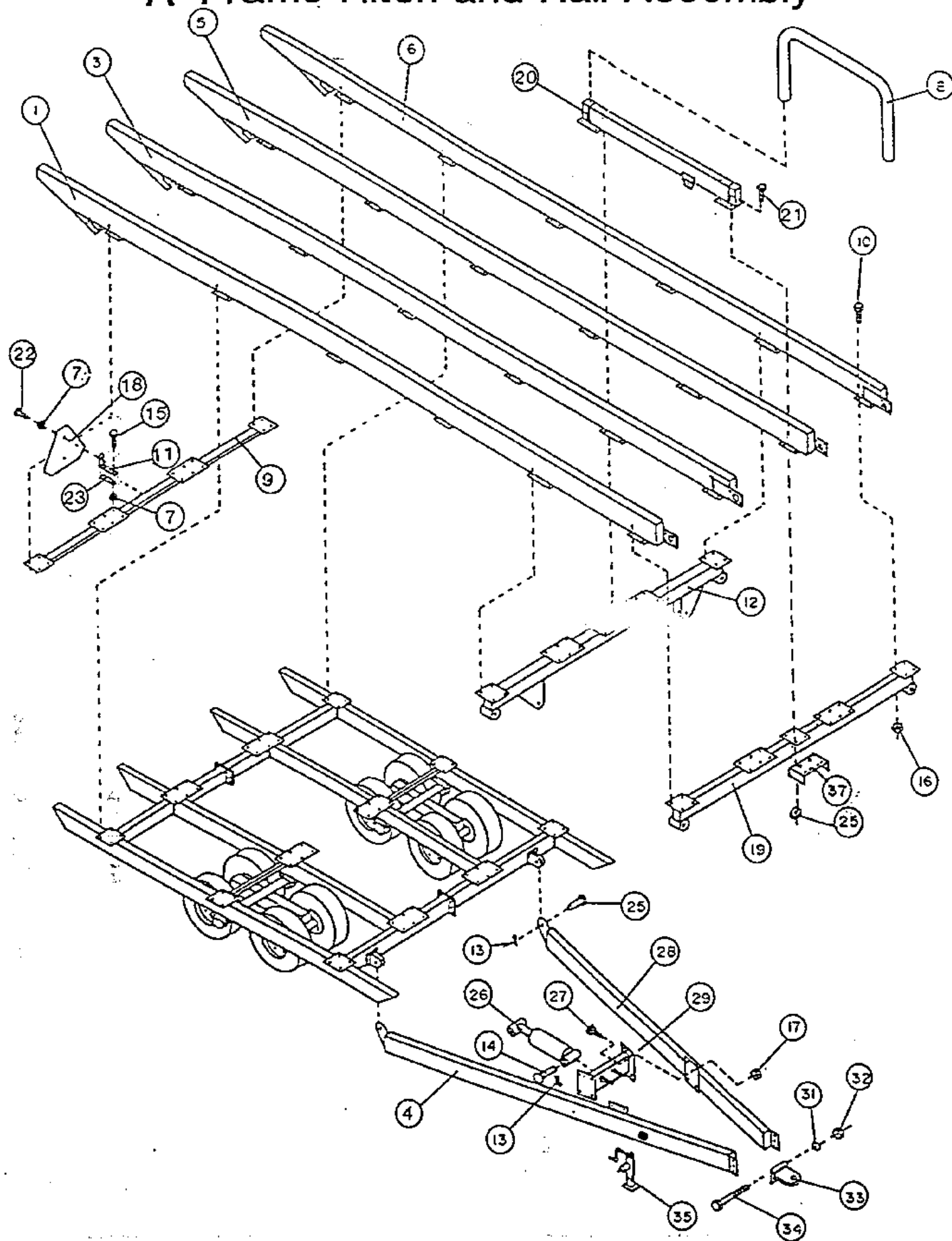


618 Hub and Spindle



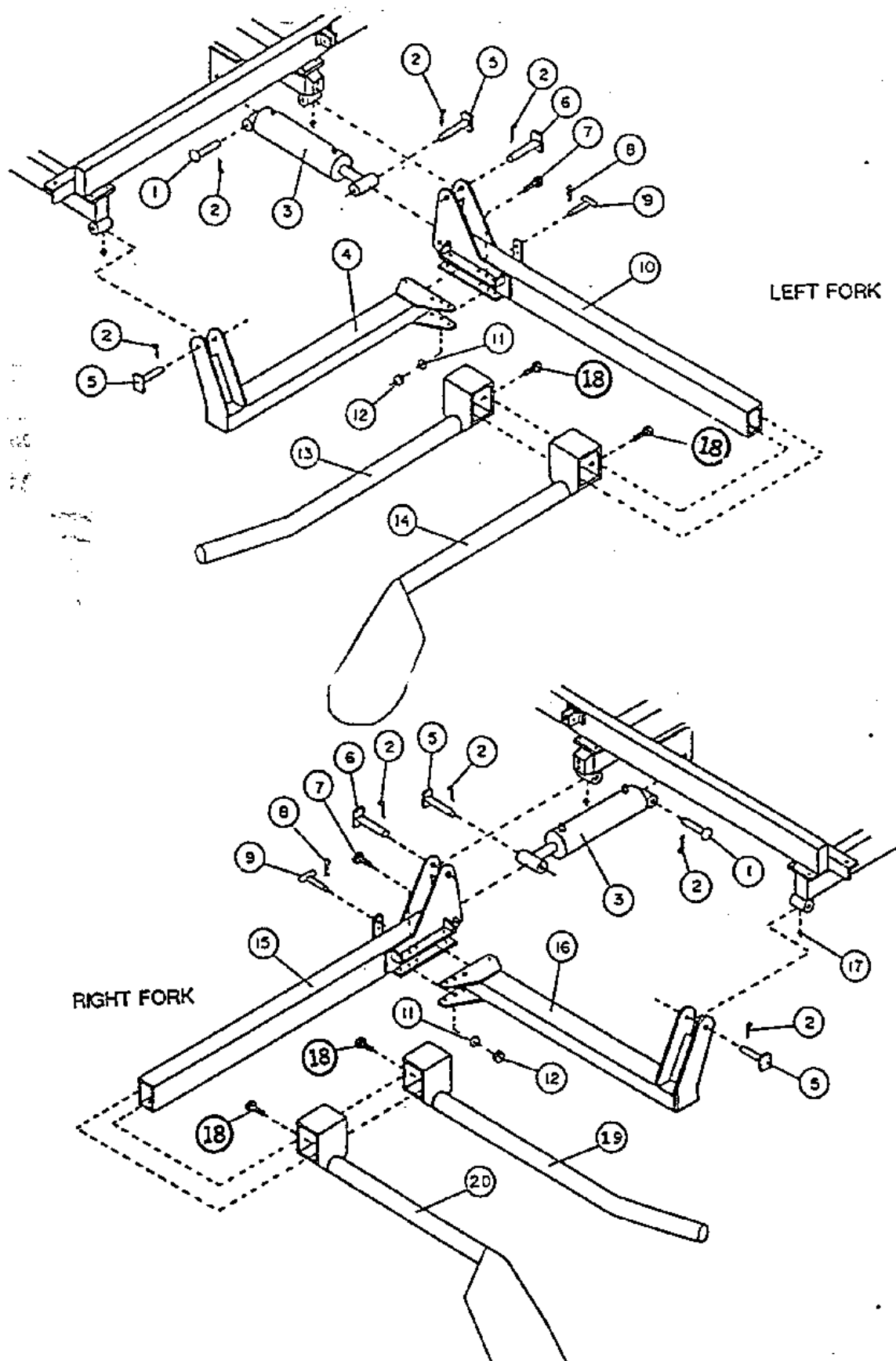
ITEM	PART NUMBER	DESCRIPTION	Nº
1	91255	2" Dia Dual Spindle x 25"	1
2	91091	618 Seal	2
3	91171	618 Inner Cone LM25580	2
4	91151	618 Inner Race LM25520	2
5	91700	Grease Nipple 1/8" NPT Straight	2
6	91071	618 Hub	2
7	91061	Wheel Bolt 9/16"	12
8	91131	618 Outer Race LM48510	2
9	91111	618 Outer Cone LM48548	2
10	91190	Washer Hub	2
11	91210	Castelated Nut	2
12	CP0324	Cotter Pin 3/16" x 1 1/2"	2
13	91231	618 Dust Cap	2
14	91008	11-151t 8ply Farm Hiway Service	2
16	91050	15" x 8" x 6 Wheel Rim	2

A-Frame Hitch and Rail Assembly



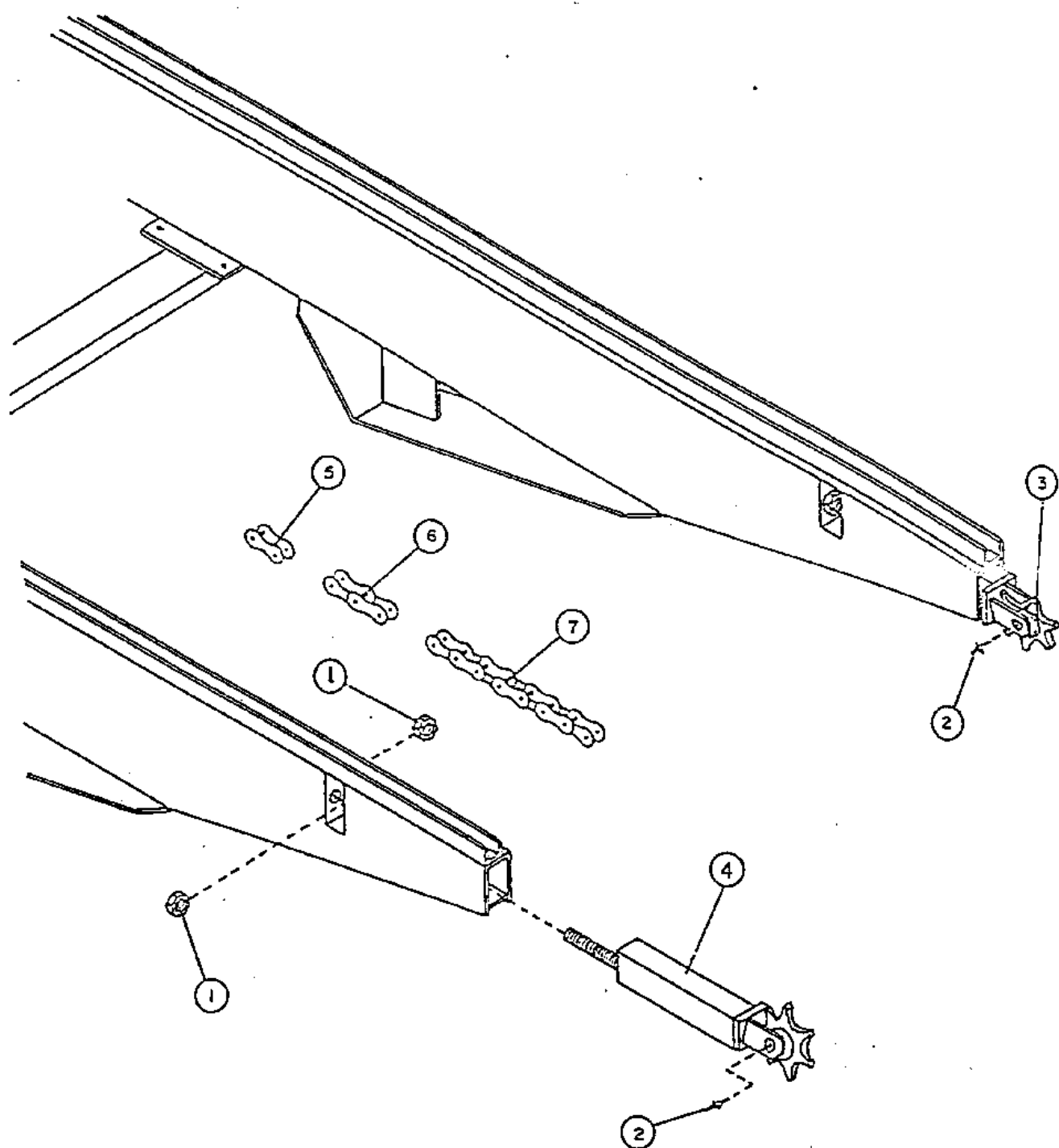
ITEM	PART NUMBER	DESCRIPTION	NO
1	40069	Right Outside Rail	1
3	40068	Right Inside Rail	1
4	40063	Right A-Frame Hitch	1
5	40067	Left Inside Rail	1
6	40066	Left Outside Rail	1
7	LN5C04P	Locknut 1/4"	4
8	40075	Bale Divider	1
9	40006	Rear Channel Cross Member	1
10	B5C0824P	1/2 x 1 1/2" Bolt	96
11	40040	Slow Moving Sign Bracket	1
12	40064	4" x 6" Cross Member	1
13	CP0440	Cotter Pin 1/4" x 2 1/2"	4
14	40009	Cylinder Bracket Pin	2
15	B5C0436P	Bolt 1/4" x 2 1/4"	2
16	LNC08P	1/2" Locknut	96
17	LN5C08P	Locknut 1/2"	9
18	92028	Slow Moving Sign	1
19	40065	3" x 6" Cross Member	1
20	40072	Bale Divider Tube	1
21	B5C0824P	Bolt 1/2" x 1 1/2"	8
22	B5C0412P	Bolt 1/4" x 3/4"	2
23	40054	Slow Moving Sign Bottom Bracket	1
25	40003	A-Frame Hitch Pin 1 1/4" x 3"	2
26	90100	Cylinder 3" x 16"	1
27	B5C1024P	Bolt 5/8" x 1 1/2"	8
28	40062	Left A-Frame Hitch	1
29	40071	A-Frame Centre Member	1
30	92003	Serial Number Plate	1
31	W16P	Lockwasher 1"	2
32	N5C16P	Nut 1"	2
33	45058	Hitch Tongue	1
34	B5C16120P	Bolt 1" x 7 1/2"	2
35	92033	Hitch Jack (5000 lbs)	1
37	40076	Hydraulic Support Guide	1
	45060	Double Hitch Tongue (Optional)	

Fork Assembly



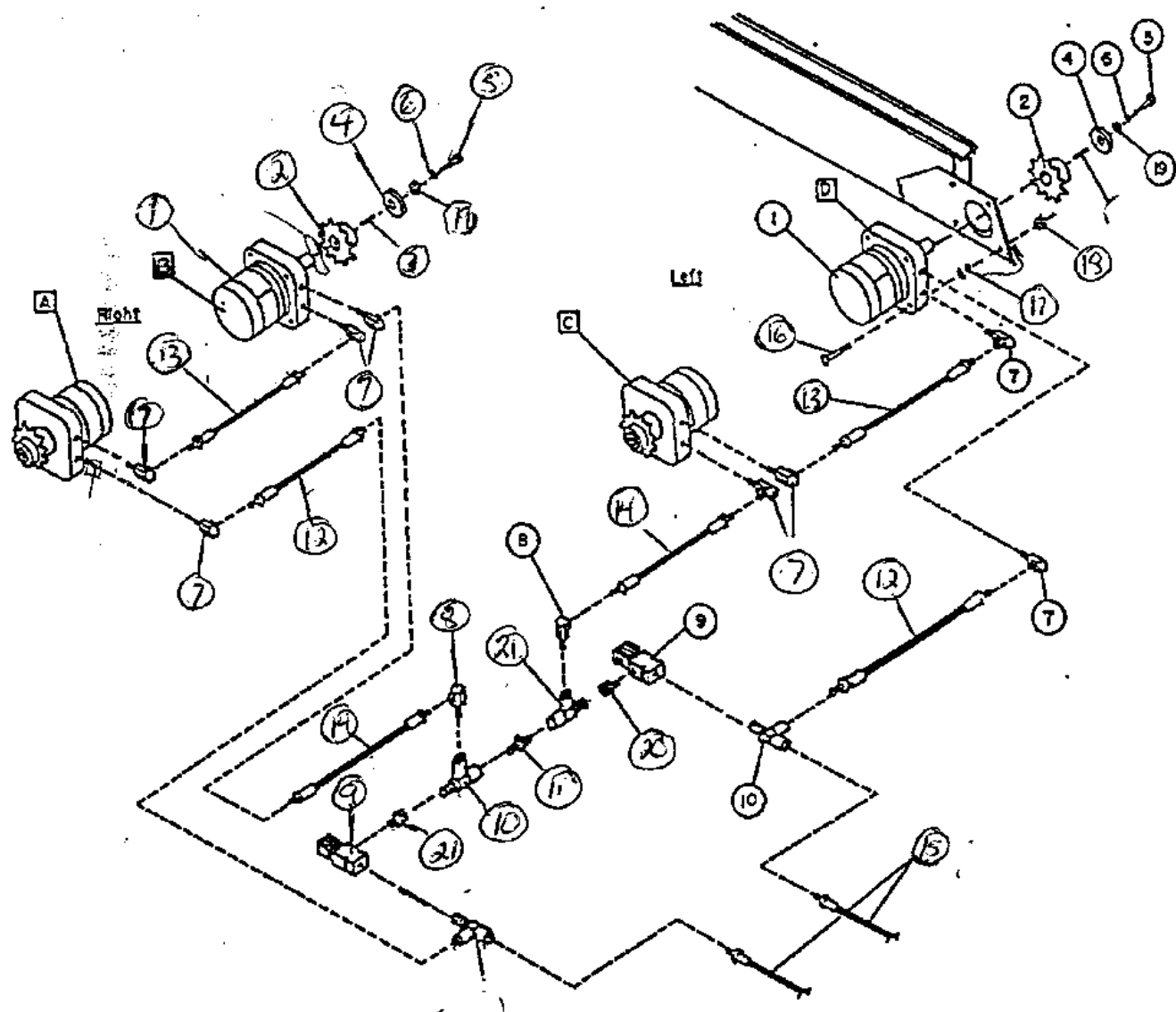
ITEM	PART NUMBER	DESCRIPTION	QTY
1	40009	Cylinder Bracket Pin	2
2	CP0440	Cotter Pin 1/4" x 2 1/2"	8
3	90108	Cylinder 3 1/2" x 13" Barrel	2
4	40011	Left Pivot Arm	1
5	40008	Front Pivot Arm Pin	4
6	40010	Pivot Slide Arm Pin	2
7	B5C1024P	Bolt 5/8" x 1 1/2"	12
8	HP40	Hair Pin Clip 2 1/2"	2
9	40019	Pivot Slide Arm Lock Pin	2
10	40017	Left Pivot Slide Arm	1
11	W10P	Lockwasher 5/8"	16
12	N5C10P	Nut 5/8"	16
13	40082	Left Short Fork Tooth	1
14	40081	Left Paddle Fork Tooth	1
15	40018	Right Pivot Slide Arm	1
16	40012	Right Pivot Arm	1
17	91700	Grease Nipple 1/8" NPT Straight	4
18	B5C1632P	1"x 2" Bolt	4
19	40080	Right Short Fork Tooth	1
20	40079	Right Paddle Fork Tooth	1

Chain Tightener



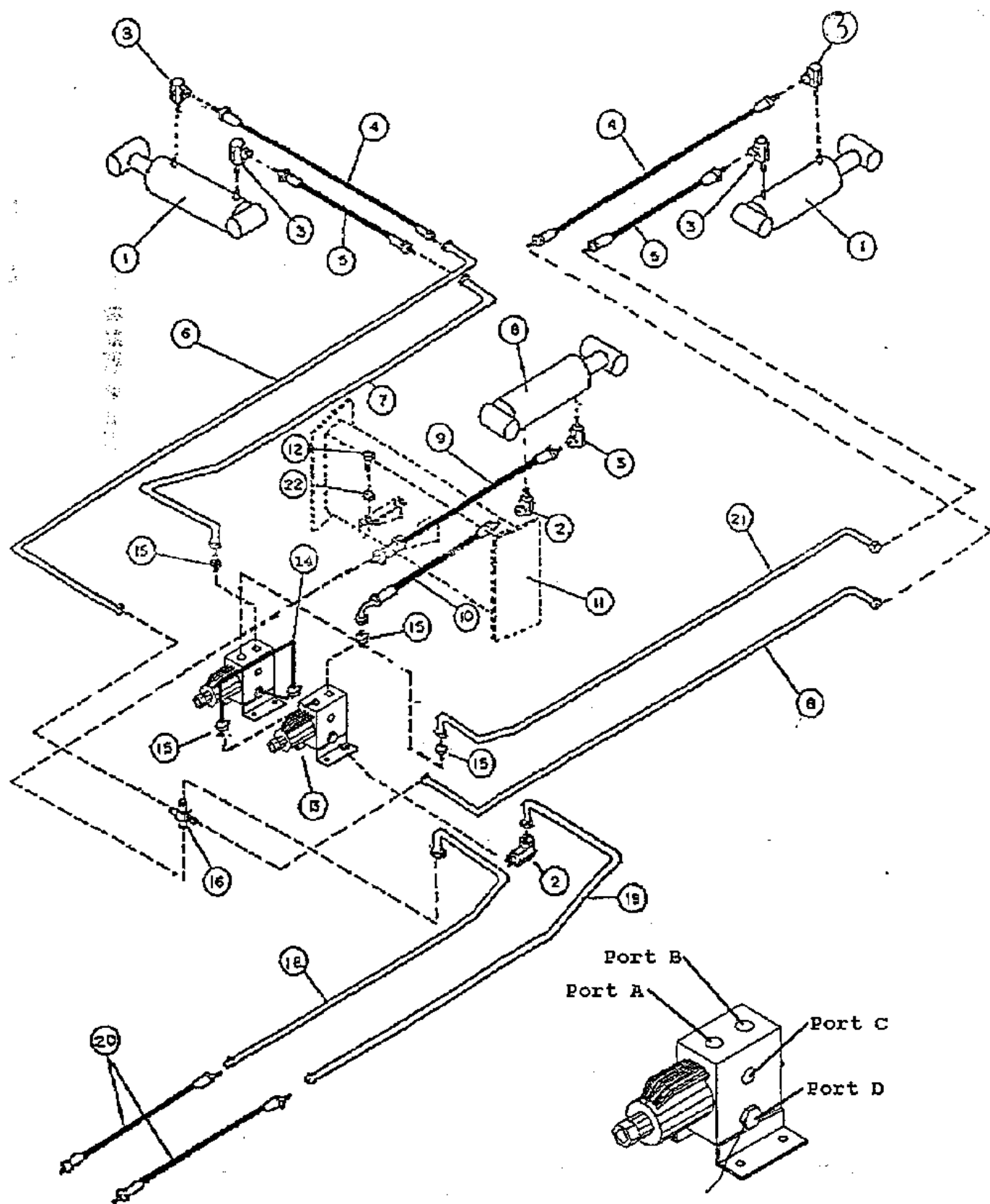
ITEM	PART NUMBER	DESCRIPTION	QTY
1	N5C10P	Nut 5/8"	4
2	91700	Grease Nipple 1/8" NPT Straight	4
3	40073	Right Chain Tightener	2
4	40074	Left Chain Tightener	2
5	91511	2062 Half Link	*
6	91510	2062 Connecting Link	*
7	91508	2062 Chain c/w Connecting Link	8
		* As Required	

Hydraulic Motors



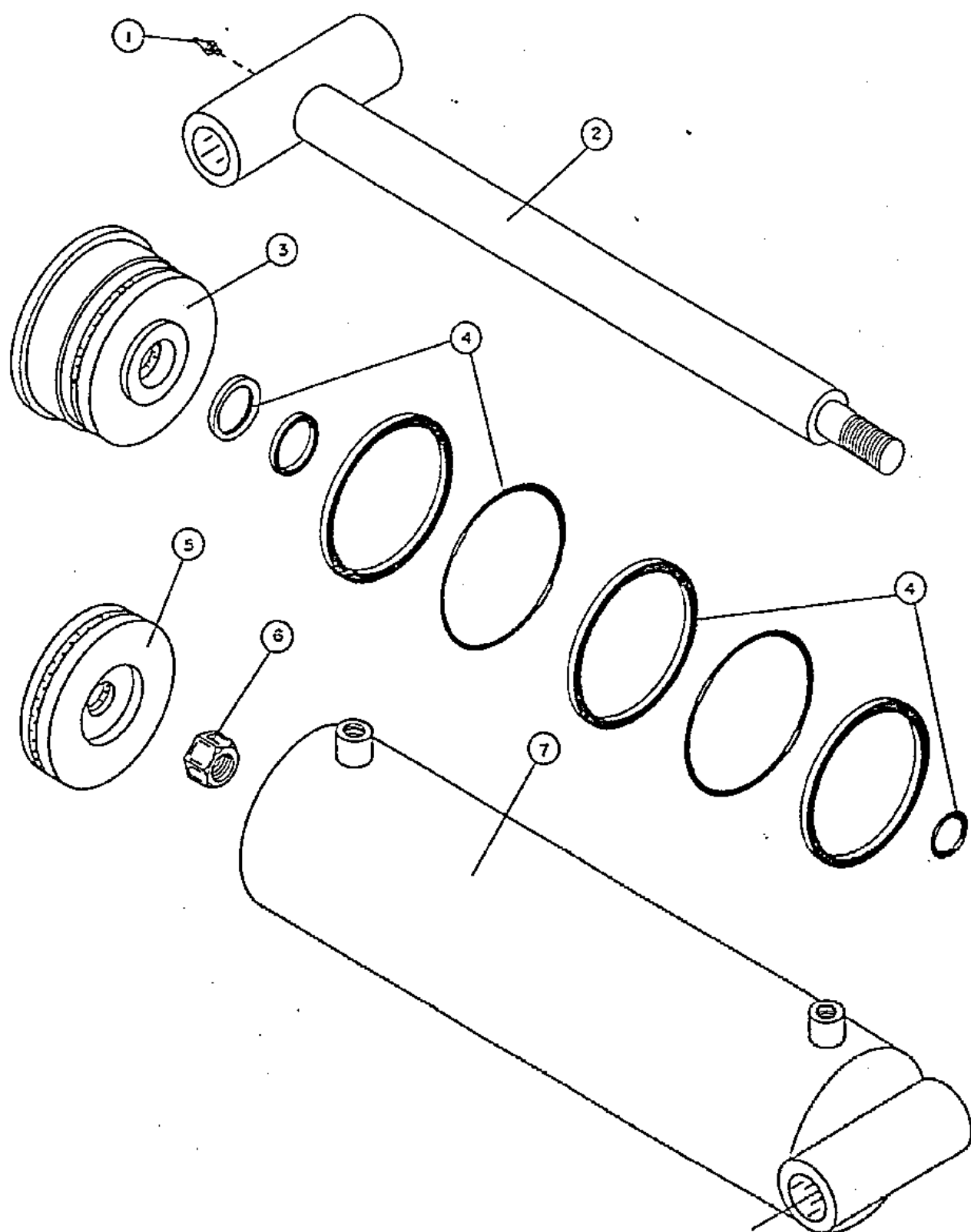
ITEM	PART NUMBER	DESCRIPTION	NO.
1	92066	Hydraulic Motor	4
2	92063	C-2062-10 Tooth Sprocket	4
3	40078	5/16" Key Stock	4
4	40077	End Washer	4
5	92067	Bolt 5/8"x1" NF	4
6	LW10P	5/8" Lockwasher	4
7	60UB1008	90 deg. Swivel Elbow 60UB1008	8
8	849FS0808	1/2" MNPT x 1/2" MJIC 90 deg. Elbow	2
9	92070	Cartridge Valve 1/2" ORB (Normally Closed)	2
10	851FS00808	TEE 1/2" MORB x 1/2" MJIC x 1/2" MJIC	2
11	24SA08	1/2" Adapter 24SA08	1
12	90233	1/2"x60" 1/2" FJIC x 1/2" MNPT Hose	2
13	90232	1/2"x8-1/2" 1/2" MNPT x 1/2" MNPT Hose	2
14	90234	1/2"x36" 1/2" FJIC x 1/2" MNPT Hose	2
15	90231	1/2"x108" 1/2" FJIC x 1/2" MNPT Hose	2
16	B5C0840P	1/2"x2-1/2" Bolt UNC Gr. 5	16
17	FW08P	1/2" Flat Washer	*
18	LNC08	1/2" Lock Nut UNC	16
19	LW10P	1/2" Lock Washer	16
20	60SB0808	1/2" Adapter	2
21	25VK08	1/2" MNPT Swivel Tee	2
		As Required	

Hydraulic System



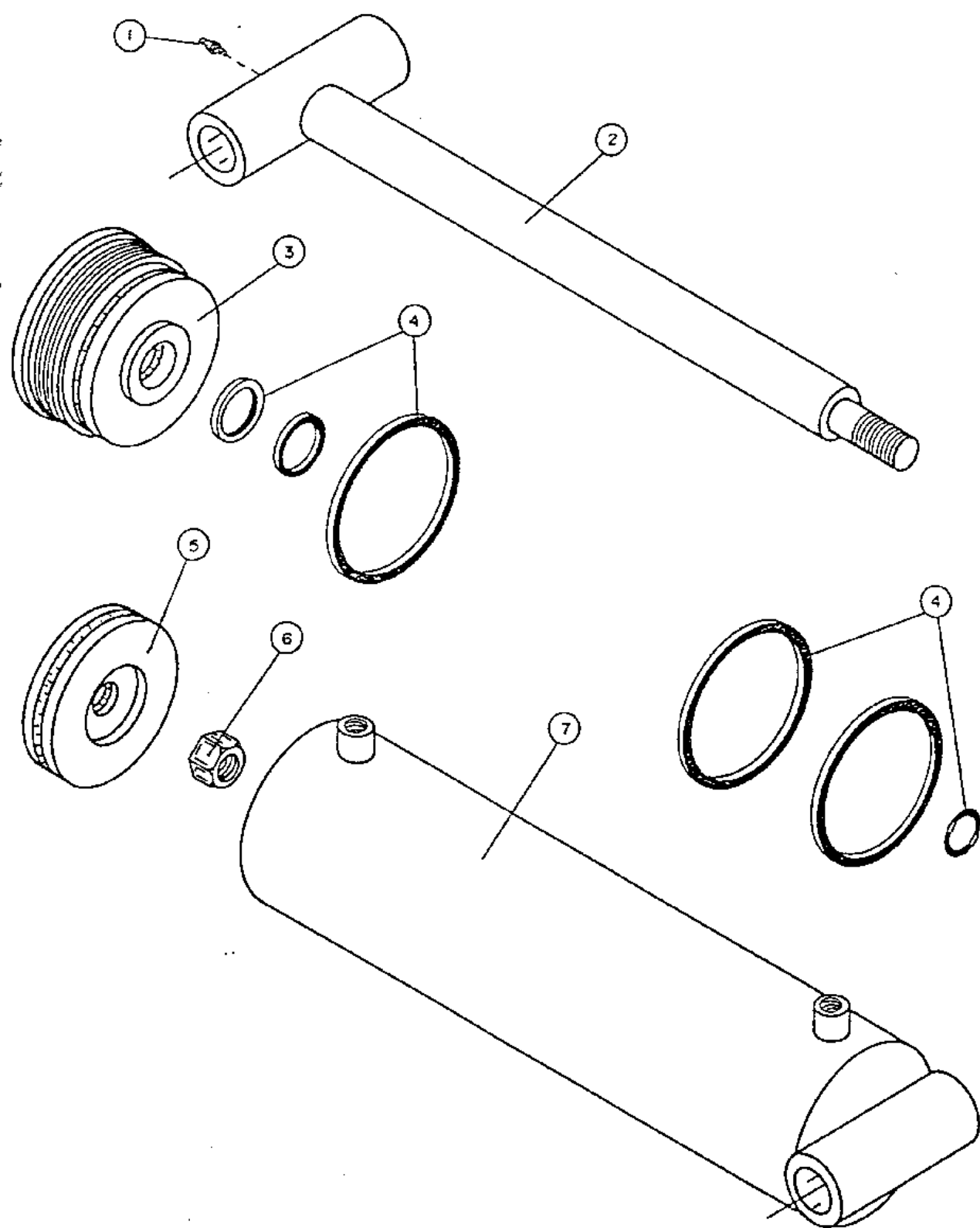
ITEM	PART NUMBER	DESCRIPTION	NO.
1	90120	Cylinder 3 1/2 x 13"	2
2	849FSO-0808	1/2" MORB x 1/2" MJIC 90 Adapter	1
3	849FS0808	1/2" MNPTx 1/2" MJIC 90 Adapter	6
4	90243	3/8"x44" 1/2"FJIC x 1/2" MJIC Hose	2
5	90245	3/8"x28" 1/2"FJICx1/2" MJIC Hose	2
6	90421	1/2" Left and Right Outer Hydraulic Lines	2
7	90425	1/2" Right Inner Hydraulic Lines	1
8	90103	Cylinder 3-1/2"x16"	1
9	90252	3/8"x48" 1/2"FJIC x 1/2"FJIC Hose	1
10	90224	3/8"x26" 1/2"FJIC x 1/2" NJ90T Hose	1
11	40071	A-Frame Centre Member	1
12	B5C0528P	Bolt 5/16"x1-3/4" UNC Gr. 5	4
13	92089	FPS Solenoid Valve	2
14	90290	3/8"x9" 1/2"NJ90T x 08NJ90T Hose	1
15	848FSO0808	1/2" MORB x 1/2" MJIC Adapter	5
16	852FS08	1/2" Tube Cross	1
18	90423	1/2" Inner Tractor Hydraulic Line	1
19	90422	1/2" Outer Tractor Hydraulic Line	1
20	90223	3/8"x58" 1/2" MJIC x 1/2" MNPT Hose	2
21	90424	1/2" Left Inner Hydraulic Line	1
22	LNC05P	5/16" UNC Lock Nut	4

3 x 16 Cylinder. (CTD)

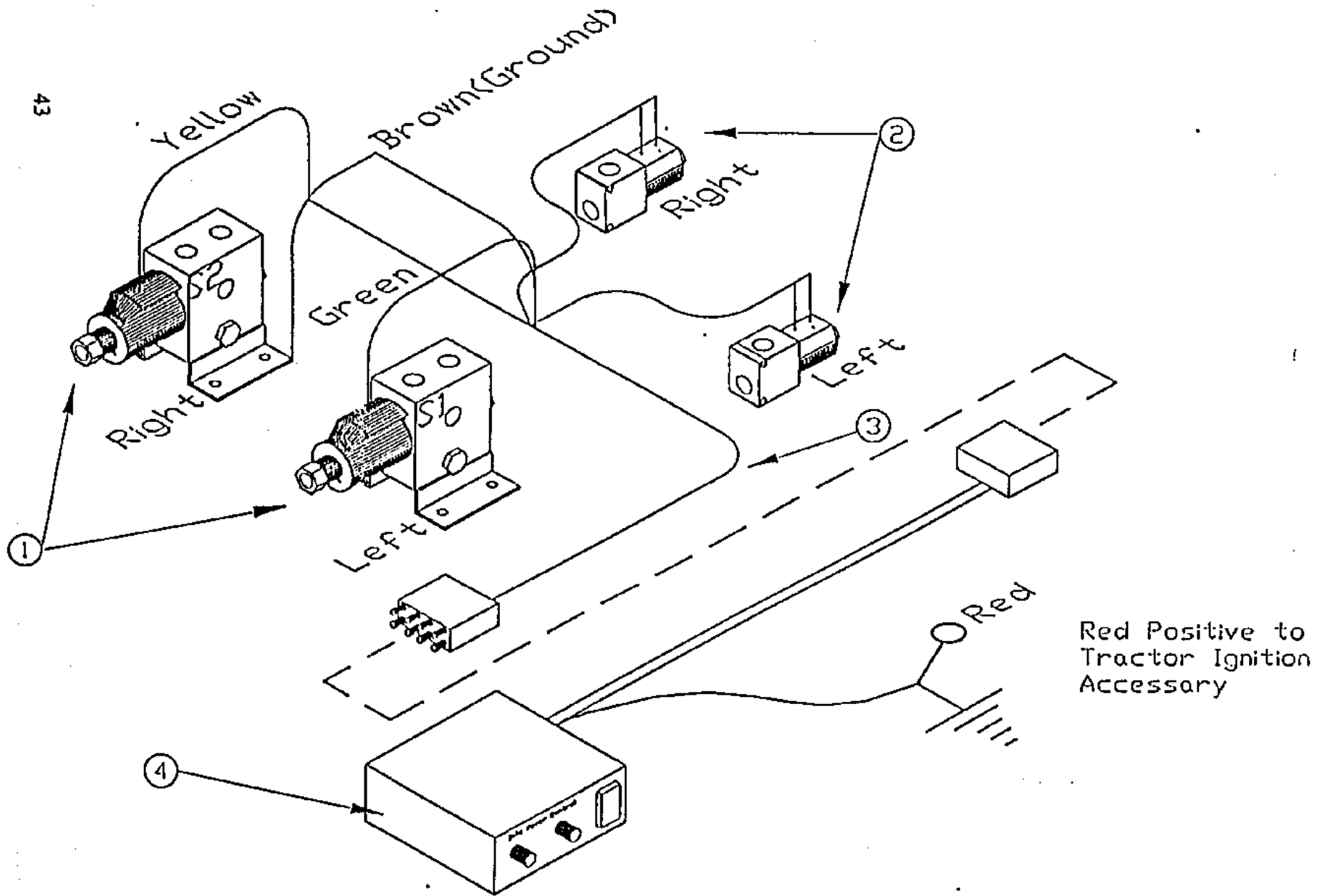


ITEM	PART NUMBER	DESCRIPTION	Nº
1	91700	Grease Nipple 1/8" NPT Straight	1
2	90646	Cylinder Shaft c/w Tube End	1
3	90666	3" Cylinder Screw on End Cap	1
4	90684	3" Seal Kit SKC30-150A	1
5	90705	3" Cylinder Piston	1
6	90720	Piston Nut	1
7	90747	3" x 16" Cylinder Screw on tube (Tube End)	1
	90107	3" x 16" Cylinder Complete (Tube Ends)	*
		*As Required	

3 1/2 x13 Cylinder (CTD)



ITEM	PART NUMBER	DESCRIPTION	Nº
1	91700	Grease Nipple 1/8" NPT Straight	1
2	90645	Cylinder Shaft c/w Tube End	1
3	90662	3 1/2" Cylinder Screw on End Cap	1
4	90680	Seal Kit 3 1/2" SKC35-69A	1
5	90700	Piston 3 1/2" Cylinder	1
6	90720	Piston Nut	1
7	90746	3 1/2" x 13 Cylinder Screw on Tube	1
	90108	3 1/2" x 13 Cylinder Complete (Tube Ends)	*
		*As Required	



ITEM	PART NUMBER	DESCRIPTION	NO.
1	92089		1
2	92070	Cartridge Valve (Normally Closed) 1/2" ORB	1
3	92077	14 BM Implement Harness (Field)	1
4	92125	14 BM Control (Field) w/ Control Harness (1994)	1