



H-4250 BALE MOVER

ASSEMBLY • OPERATOR • PARTS MANUAL

Serial Number Ends at H4344
1986 1987 1988

P.O. BOX 85
LAURIER, MANITOBA
R0J 1A0
204-447-2245

TO THE OWNER:

Congratulations on the purchase of your new LAURIER 12 BALE MOVER.

Constructed of the finest quality materials, your LAURIER 12 BALE MOVER is engineered and designed to do normal operations effectively and efficiently, and to provide you with years of dependable service.

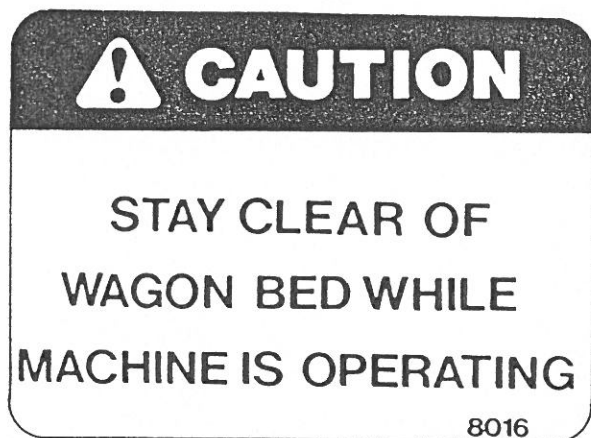
Be sure to read the instructions in this manual for adjusting and operating your LAURIER 12 BALE MOVER. A few moments to acquaint yourself with the LAURIER 12 BALE MOVER and its maintenance requirements will save you precious time in the field and protect your machinery investment. Should you in time, need replacement parts, please consult the parts list in this manual, and contact your LAURIER DEALER.

LAURIER MANUFACTURING LIMITED

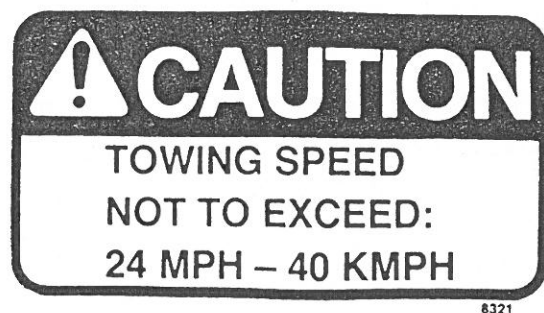
It is the policy of LAURIER MANUFACTURING LIMITED to improve its products whenever it is possible and practical. We reserve the right to make changes or add improvements, at any time, without incurring any obligation to make such changes on machines previously sold.

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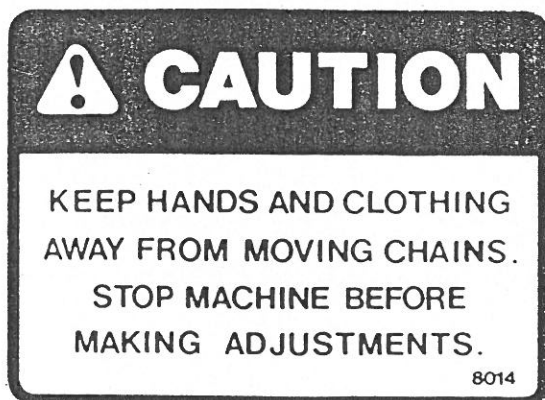
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LEFT SIDE OF FRONT SUB FRAME



RIGHT SIDE OF FRONT SUB FRAME



RIGHT SIDE OF FRONT SUB FRAME



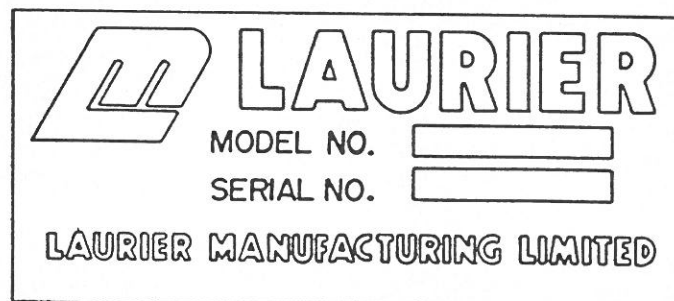
LEFT SIDE OF FRONT SUB FRAME



ON RIGHT A-FRAME HITCH



ON OUTSIDE BED RAILING



ON HITCH CROSS MEMBER

SPECIFICATIONS

LAURIER

SHIPPING WEIGHT -----6500 lbs.

TOTAL LENGTH -----41 feet

BED LENGTH -----33 feet

TOTAL WIDTH -----14'2"

BED WIDTH -----11'

TOTAL HEIGHT -----9'2"

BED HEIGHT -----2'8"

GROUND CLEARANCE -----14"

MAXIMUM CAPACITY -----12 - 5½' 1500 lbs Bales

CONVEYOR CHAIN -----Heavy Duty ASA 2062 1 1/2 Pitch

TIRES ----- 8 - 9.5L x 15 x 8 ply c/w tube & 40 PSI Highway Service

UNDERCARRIAGE -- 2 four wheel oscillating tandems

ASSEMBLY

1. SITE SELECTION

Prior to assembly, select an area which is clean, level and large enough to accomodate assembled Bale Mover.

2. ORIENTATION

Left and right are determined when standing behind the machine facing the direction of travel.

3. REQUIRED TOOLS AND EQUIPMENT

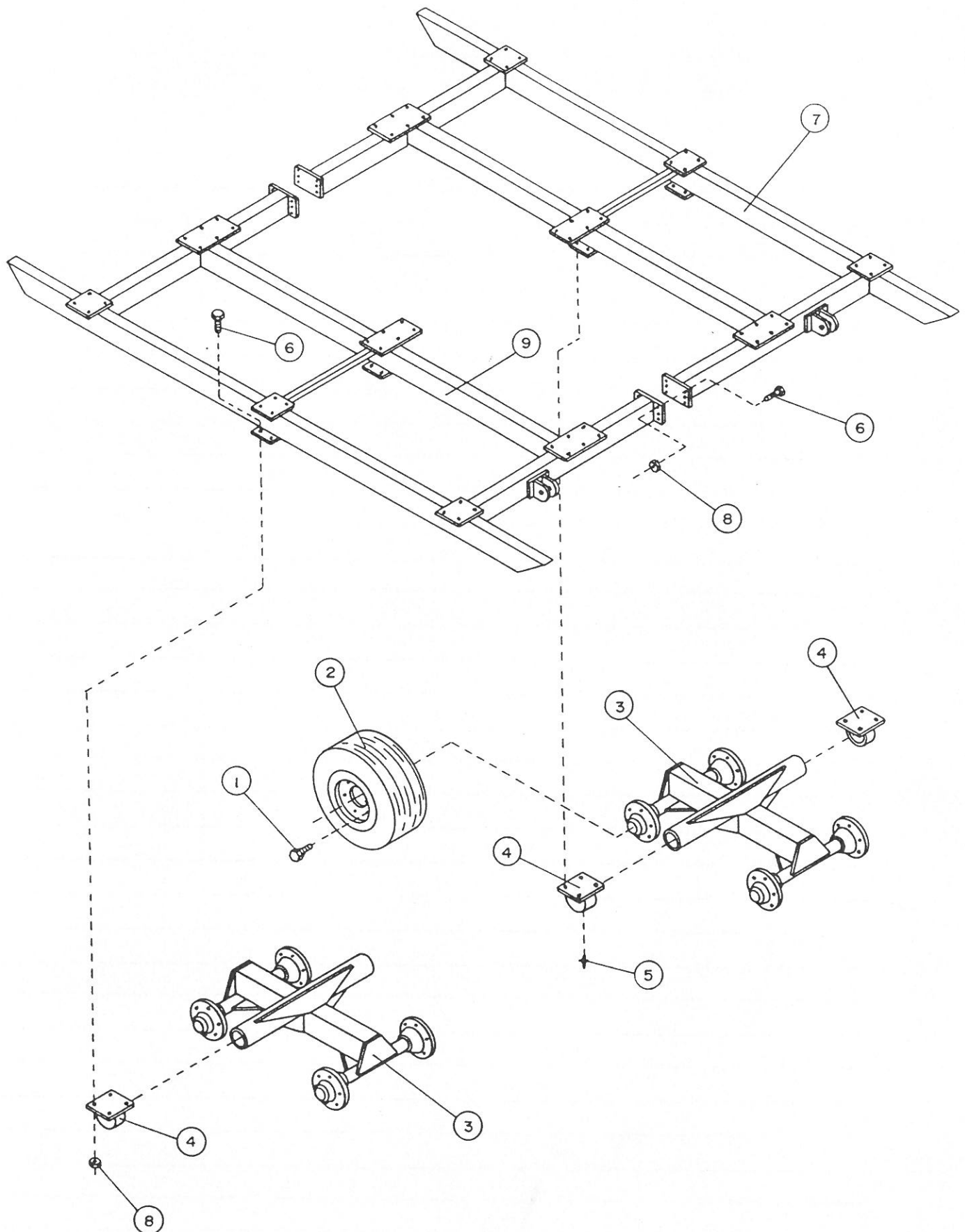
Before beginning assembly of the Bale Mover, have the following equipment on hand:

1. Fork lift or hoisting equipment with lifting capacity of 500 lbs.
2. Wrenches: 1/2, 9/16, 3/4, 7/8, 15/16, 1, 1 1/4".
3. Wire cutters
4. Pliers
5. Ball peen hammer
6. Pry Bar
7. Aligning bar

CAUTION: SOME BALE MOVER COMPONENTS ARE EXTREMELY HEAVY.
HAVE HOISTING EQUIPMENT AVAILABLE WITH A LIFTING
CAPACITY OF 500 POUNDS FOR ASSEMBLY OF PARTS.

4. Open packing case and check contents against parts list in this book.
5. Before beginning to assemble Bale-Mover ensure that all parts are accounted. Check against parts list in this book.

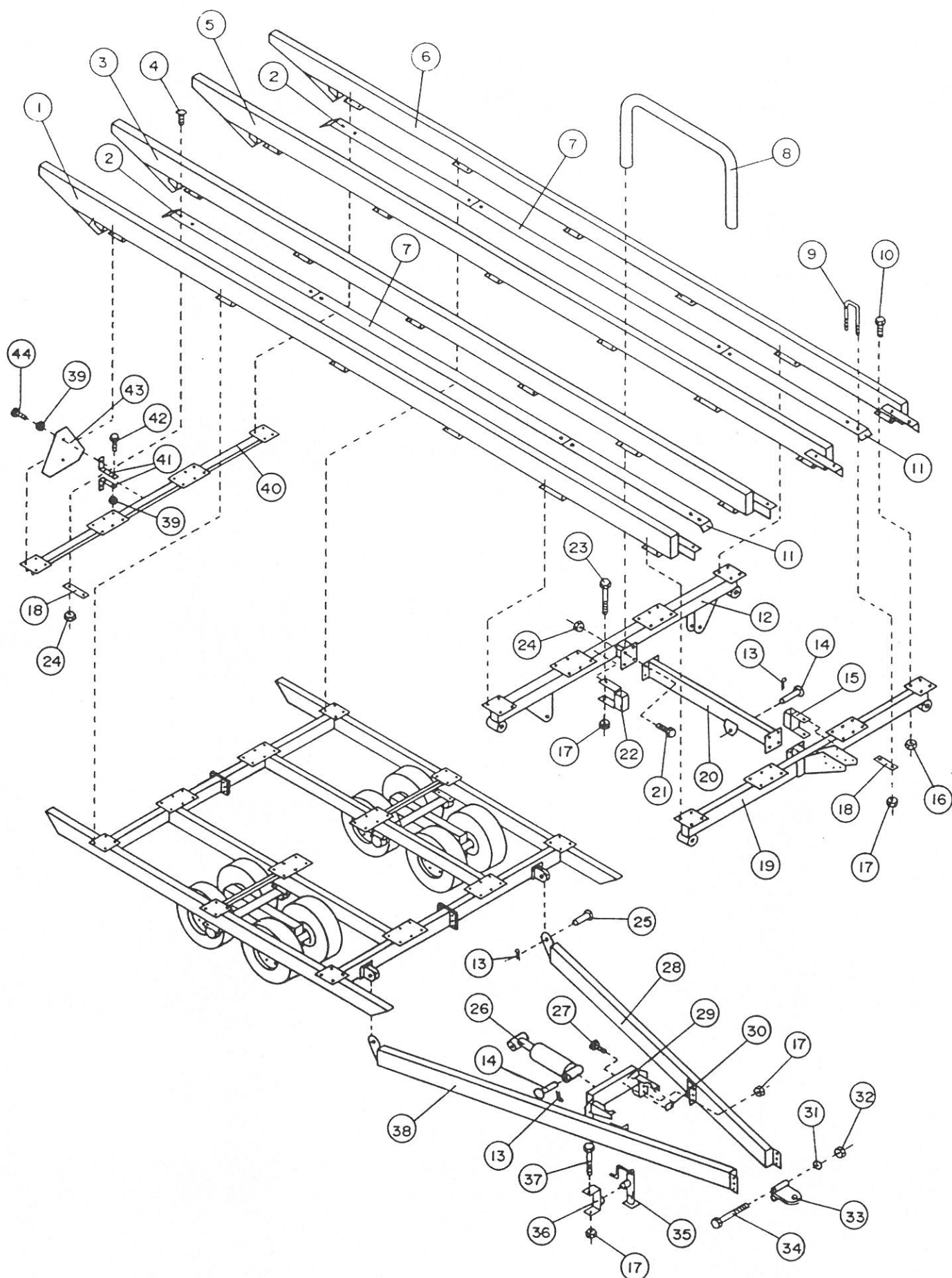
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ASSEMBLY OF OSCILLATING TANDEMS TO SUB FRAME

To assemble oscillating tandems to sub frame.

With sub frame bolted together, raise one end of frame with enough clearance to roll complete tandem axle with wheels and pockets mounted. Line up to sub frame plate and fasten with 1/2" x 1 1/2" bolt and locknut. Install grease nipple #5.



A-FRAME HITCH TO SUB FRAME

1. Position Right #38 and Left #28 A-Frame Hitches to sub frames. Secure with 1 1/4" x 3" pins #25 and cotter pins #13.
2. Assemble hitch cross member #29 to left and right hitches with 1/2" x 1 1/2" bolt #27 and locknut #17.
Do not tighten bolts until hitch plate is on.
NOTE: CROSS MEMBER BOLTS IN FRONT OF BRACKET ON HITCH.
CAUTION: WHEN BOLTING PREASSEMBLED VALVE ASSEMBLY TO HITCH CROSS MEMBER, EXTREME CAUTION MUST BE TAKEN SO AS NOT TO DAMAGE HOSES OR LINES.
3. Install hitch plate #33 in lower holes to left and right hitches using 1" x 7 1/2" bolt #34, lockwasher #31 and nut #32.
4. Tighten bolts on hitch cross member.
5. Install hitch jack #35 to right A-Frame hitch approximately 33" from front of hitch. Fasten with 1/2" x 9 1/2" bolt #37 and locknut #17.

INSTALLATION OF RAILS

NOTE: Rails are identified by part numbers painted on front of rails.

#1 Outside Right	Part #40033
#3 Inside Right	Part #40034
#5 Inside Left	Part #40035
#6 Outside Left	Part #40036

1. With hoisting equipment, place rails on sub frame and fasten with 3/8" x 1" bolt #10 and locknut # 6.
2. For inside rails place them closest to the outside frame, on bolting plates. Secure them with 3/8" x 1" bolt #10 and locknut #16.

CAUTION: DUE TO LENGTH OF RAILS, TO AVOID DAMAGE AND PERSONAL INJURY, CAUTION SHOULD BE EXERCISED WHEN LIFTING MEMBERS INTO PLACE.

INSTALLATION OF 4 x 6 CROSS MEMBER

1. Place 4 x 6 cross member #12 onto A-Frame hitch with square pocket towards front. Secure to bolting plates on rails with 3/8" x 1" bolts #10 and locknut #16.

INSTALLATION OF 3 x 6 CROSS MEMBER

NOTE: To install 3 x 6 cross member left A-Frame hitch in a horizontal position with the sub frame. This will facilitate installation of rails.

2. Place bale divider tube #20 in between #12 and #19 cross members. Fasten with 7/16" x 1 1/4" bolts. Cylinder lug should be 24" from front plate.
3. Install grease fittings to cross members.

INSTALLATION OF CHANNEL CROSS MEMBER

1. Place channel cross member #40 under rails with bolting plates upwards. Secure to plates on rails with 3/8" x 1" bolt #10 and locknut #16.
2. Bolt slow moving vehicle sign #43 to brackets #41 to centre of cross member #40 with 1/4" x 2 1/4" bolt.

INSTALLATIONS OF BALE SLIDES

1. Install front #11 and middle bale slide #7 between bale rails approximately on centre. Fasten with 1/2" x 3 1/8" x 7" U-Bolts #9, backing plate #18 and locknut #17.
2. Install rear bale slide #2 also in centre of rails. Secure to middle bale slide with U-Bolts, backing plates and locknut. Secure to channel cross member with 7/16" x 2 1/2" carriage bolt #4, backing plate #18 and locknut #17.

INSTALLATION OF BALE DIVIDER

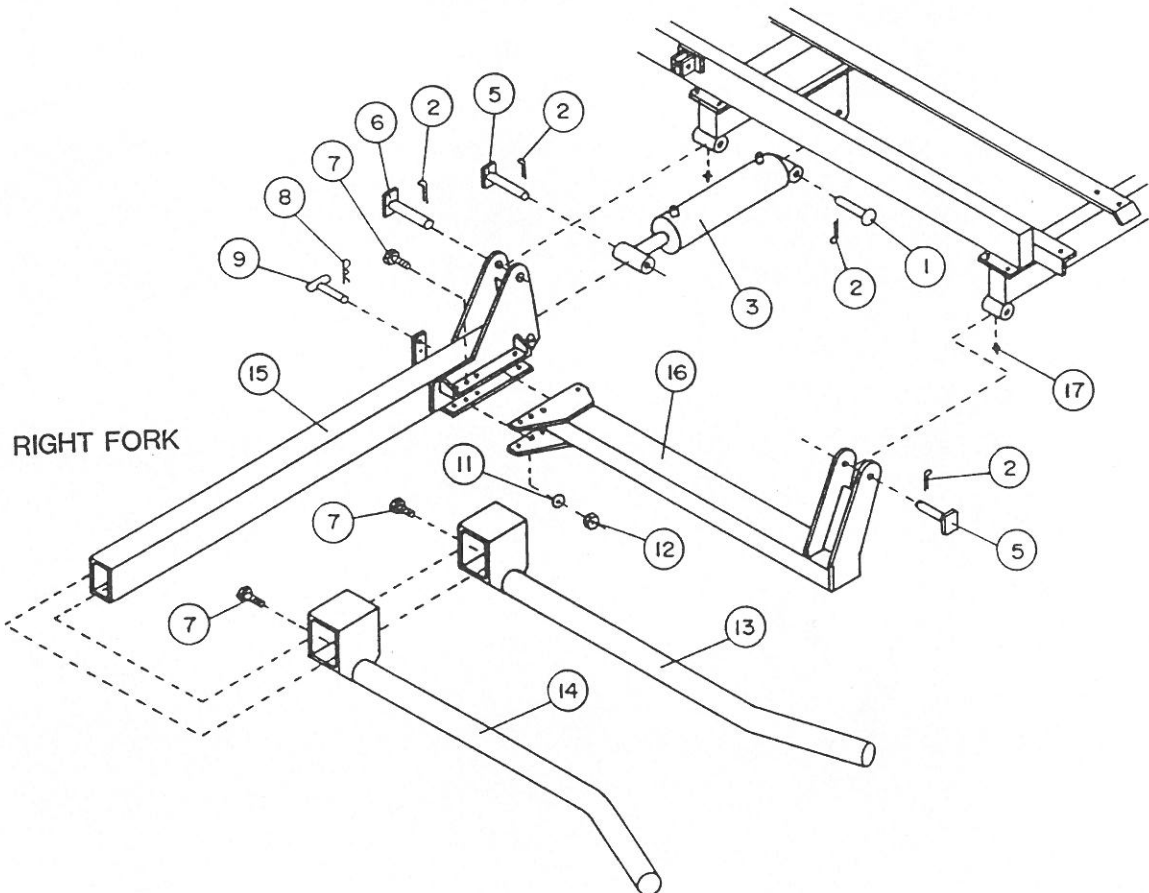
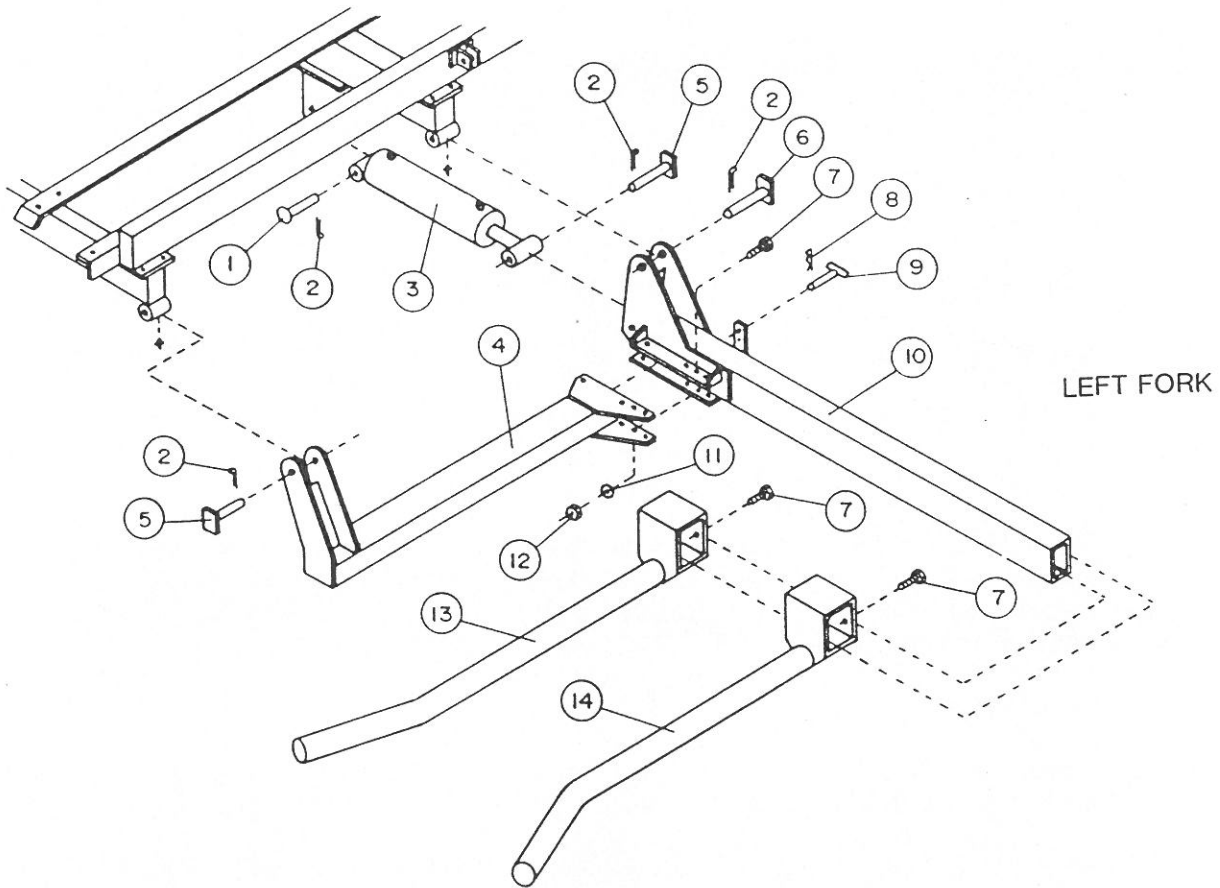
1. Place 1 bale divider #8 in pockets of 3 x 6 cross member #19 and 4 x 6 cross member #12 only for larger round bales.
2. For smaller round bales, place 2 bale divider #8 in pockets of bolt on 3 x 6 bale divider holder #15 and bolt on 4 x 6 bale divider holder #22.

INSTALLATION OF TILT CYLINDER

1. Install 3" x 16" cylinder #26 to A-Frame hitch cross member #29. Secure base plate end to cross member with 1" x 6" pin #14 and cotter pin #13. Make sure port holes are in down position.

NOTE: Restricted elbow should be installed in bottom port of cylinder.

FORK ASSEMBLY



INSTALLATION OF BALE FORK FRAME TO SUB FRAME

1. Place pivot slide arm right #10, part #40017 and left #15, part #40018 under 4 x 6 cross member. Secure slide arm to cross member with 1 1/4" x 5 3/4" pin #6 and cotter pin #2.
2. Place pivot arm right #4, part #40011 and left #16, part #40012 under 3 x 6 cross member. Secure pivot arm to cross member with 1" x 5 3/4" pin #5 and cotter pin #2. Secure right slide arm to right pivot arm with 5/8" x 1 1/2" bolt #7, lockwasher #11 and nut #12. Doing the same to left slide arm and left pivot arm.

INSTALLATION OF FORK TEETH

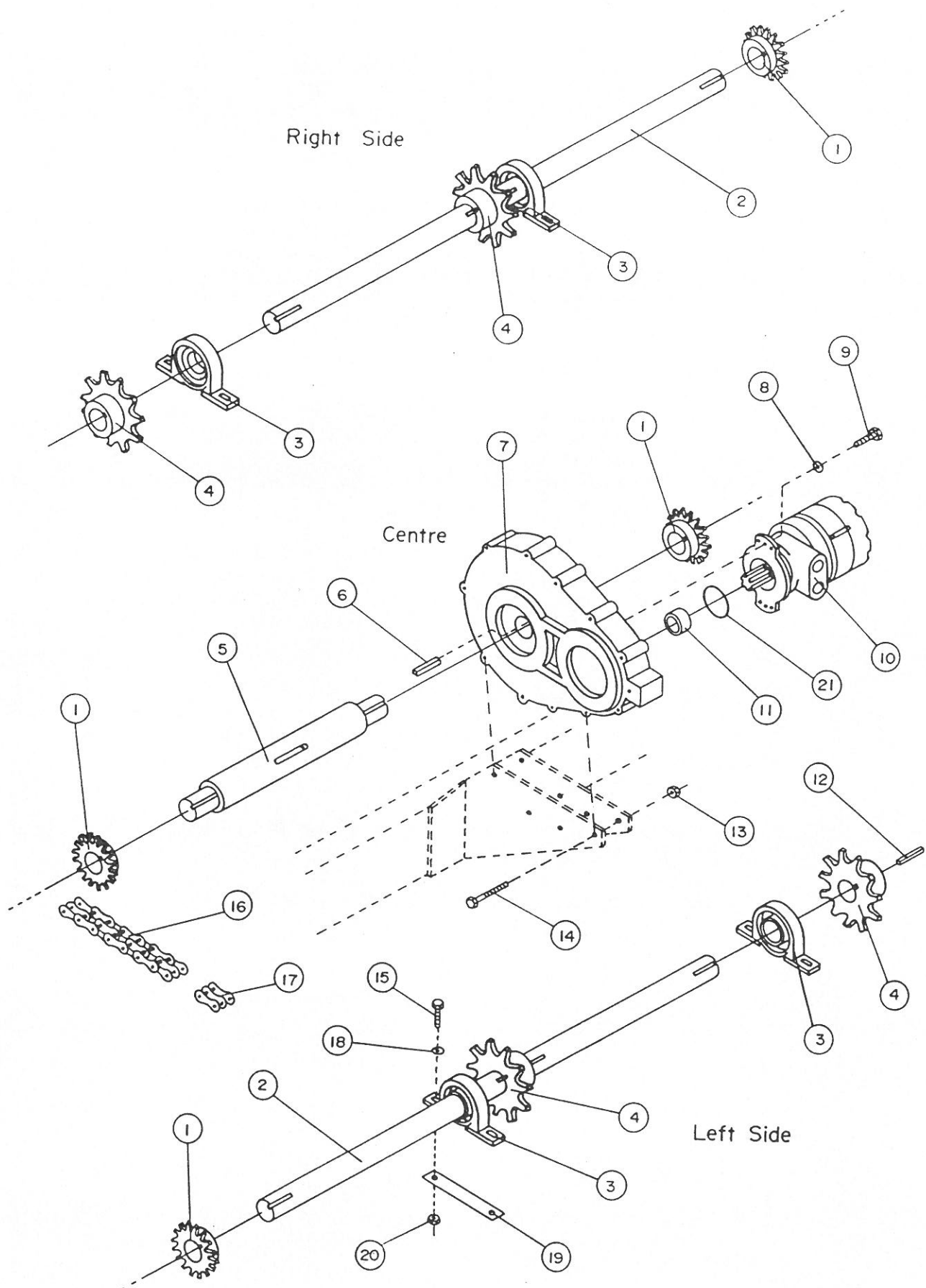
1. Lift and block pivot slide arm about four to six inches above the ground. Slide left fork #13, part #40023 onto the frame. Tighten 5/8" x 1 1/2" bolt #7. Next slide front fork #14, part #40022 onto the frame. Tighten 5/8" x 1 1/2" bolt #7.
2. To adjust fork teeth place fork in locked transport position. Adjust inside fork tooth 6" higher than outside rail. Tighten bolts. Depending on bale size and conditions adjust outside fork tooth to suit round bale.

FORK CYLINDER INSTALLATION

1. Secure 3 1/2" x 13" cylinder #3, base plate of cylinder in cylinder gussets on 4 x 6 cross member. Secure with 1" x 6" pin #1 and cotter pin #2. Ports to be upward.
2. Install cylinder to pivot slide arm and secure with 1" x 5 3/4" pin #5 and cotter pin #2.

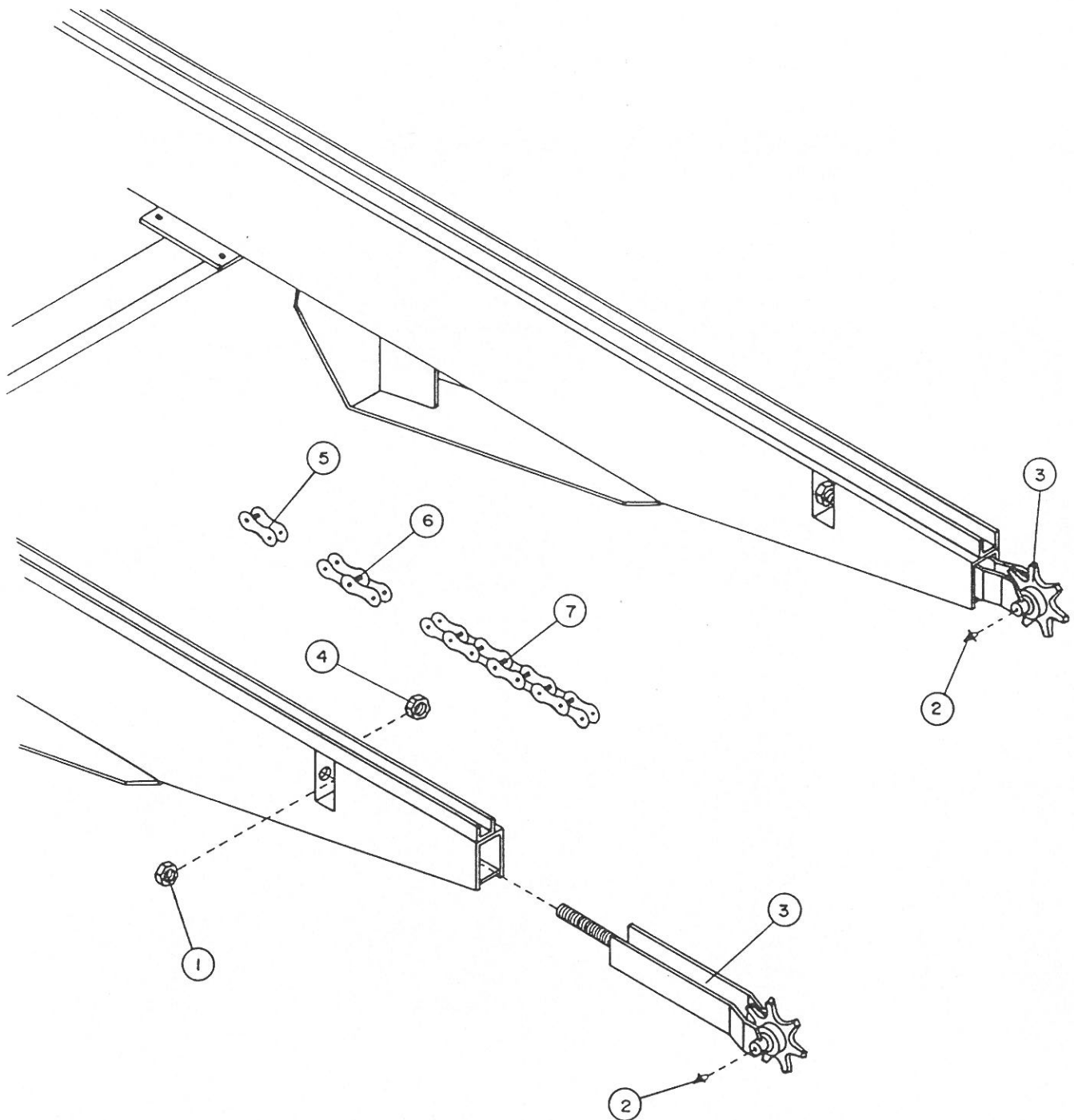
NOTE: Install restricted elbow to rod end of cylinder.

GEAR BOX AND SHAFT ASSEMBLY



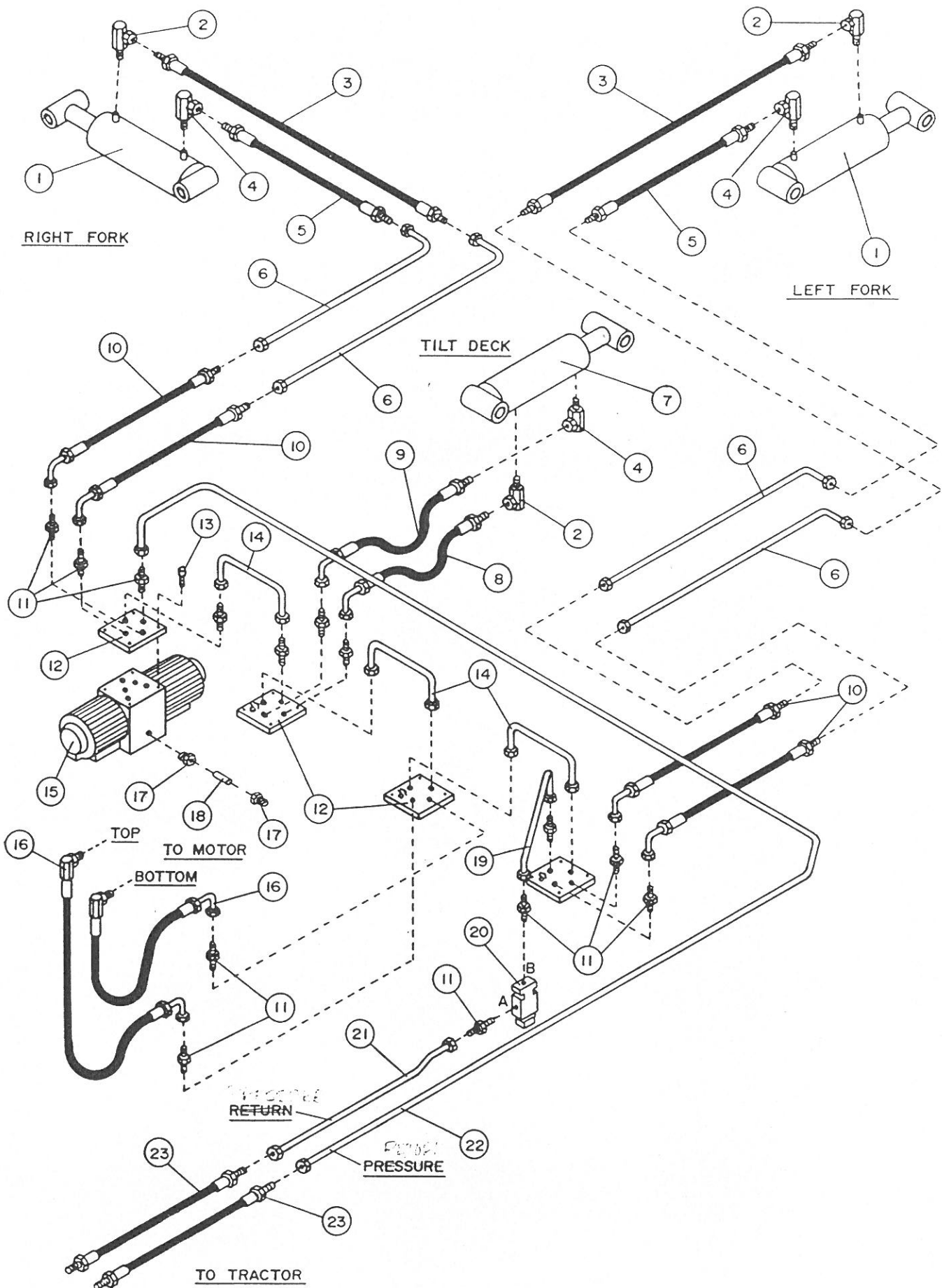
INSTALLATION OF GEAR BOX

1. Place left and right shaft assemblies on proper sides of Bale Mover.
2. Bolt gear box to gussets on 3 x 6 cross member with holes as shown on opposite page. Secure with 5/16" x 4 1/2" bolt #14 and locknut #13. This also comes assembled with items #1, #5, #6, & #7.
3. Fasten chain #16 to coupler sprocket #1 on right side to coupler sprocket on gear box shaft. Doing the same on left side of gear box.
4. If shafts on left or right side are not running straight, place pillow block shims #19 under pillow blocks #3 until they run straight. Secure pillow blocks with 1/2" x 2" bolt #15, flatwasher #18 and locknut #20.



ROLLER CHAIN INSTALLATION

1. To install roller chains to rails refer to drawing on opposite page.
2. Thread all chain tighteners with 5/8" nut #1. Slide chain tightener into rail and tighten with 5/8" locknut #4 on other side of plate.
3. Insert into entire length of rail either fish line or 1/4" rod. Unroll chain length on the rail channel, from the rear, unrolling towards the front. Fasten the roller chain to the fish line and proceed to pull chain through. Secure with a connecting link #6 or half link #5.
4. To adjust the roller chain on each rail, grasp the chain on centre and lift. The chain should have an 8" lift. To adjust move chain tightener in direction which is needed.



INSTALLATION OF HYDRAULIC HOSES AND LINES

NOTE: When finishing installing hydraulic hoses and lines to preassembled valve assembly, make sure to follow set-up as shown on opposite page. If set-up is done improper, hydraulics will not work.

1. Install hydraulic lines #21 and #22 along left A-Frame hitch. Placing hydraulic line #22 just in front of A-Frame cross member, attach hydraulic line #22 to flare adaptor #11 on far valve assembly. Attach hydraulic line #21 to flare adaptor #11 which in turn is connected to cartridge valve #20. Another flare adaptor is then connected to cartridge valve and preassembled hydraulic line #19. Fasten hoses #23 to hydraulic lines #21 and #22.
2. Secure swivel elbows #2 and #4 to left and right fork cylinders #1 making sure that swivel elbow restrictor #2 is in top port. Elbows should be facing down cylinder as shown. Attach hoses #3 and #5 to swivel elbows with longer hose to top port. Lay hydraulic lines #6 along left and right A-Frame hitch and attach hoses #10, #3 and #5 to hydraulic lines.
3. Attach preassembled motor hoses #16 to hydraulic motor. Make sure that front hose on preassembled valve assembly goes to top port hole on hydraulic motor as shown on opposite page.
4. Secure swivel elbow #2 and #4 to tilt deck cylinder #7 with swivel elbow restrictor #2 in bottom port. Connect preassembly hoses #8 and #9 with the longer hose #9 going to the top port.

PRE OPERATION ASSEMBLY

CAUTION: TO FILL HYDRAULIC HOSES AND CYLINDERS WITH OIL, PROCEED AS FOLLOWS:

1. Install fittings to hose ends, connect hydraulic hoses to tractor.
2. With forks still in down position, carefully operate controls allowing oil to flow to each fork cylinder.

IMPORTANT: WHILE RAISING MOVER BED OR FORK LIFTS, CHECK ALL HOSES AND CYLINDERS FOR LEAKS, ETC.

3. Before disconnecting hydraulic hoses, raise bale forks to the transport position. Install safety pins.

OPERATION

OPERATION

- A. Operate Bale Mover only from tractor.
- B. The model H-4250 LAURIER BALE MOVER is designed for maximum work efficiency with minimum operator fatigue. An unfamiliar operator should spend time to learn the operating characteristics of the machine. A period of careful practice is recommended which will reward you with safe and efficient operation.
- C. The tractor should be of 75 H P class or larger and must have a good hydraulic working system, 2000 PSI with 15-20 gallons per minute.

MODE OF OPERATION

The H-4250 LAURIER BALE MOVER is able to pick up and transport 12-1500 pound bales. Follow the mode of operation below.

CAUTION: BEFORE OPERATING HYDRAULICS, REMOVE LIFT FORK SAFETY PINS ONLY IF CYLINDERS ARE LOADED.

1. Approach the round bale with the right fork in the lowered position. Advance till the bale rests firmly between the lift fork teeth. Raise the fork, until the bale falls onto the mover bed. Do same on opposite side.
2. Roll back 2 loaded bales just far enough to make space to load next 2 bales. The lift forks may have to be lowered slightly for larger bales.
3. Continue to load round bales in similar right and left fashion until 12 Bales are loaded.

TRANSPORTING BALES

To transport loaded Bale Mover.

CAUTION: WHEN TRANSPORTING BALE MOVER ON PUBLIC ROADS OR HIGHWAY, BE SURE TO INSTALL LIFT FORK SAFETY PINS. BE SURE THAT THE MACHINE IS EQUIPPED WITH A SLOW MOVING SIGN THAT IS CLEARLY VISIBLE FROM THE REAR.

UNLOADING BALES

IMPORTANT: Depending on Bale size, in some cases, to enable the loaded bale to move past the forks, the forks may have to be lowered slightly.

CAUTION: BE SURE TO REMOVE LIFT FORK SAFETY PINS BEFORE OPERATING HYDRAULICS.

1. Raise the mover bed to full extended height.
2. With conveyor down, advance tractor at same speed as chain speed.

IMPORTANT: THE SPEED OF TRACTOR ADVANCEMENT AND CHAIN SPEED MUST BE KEPT CONSTANT, OTHERWISE THE DRIVE CHAIN WILL CUT BALE STRINGS OR CAUSE IMPROPER BALE SPACING.

TROUBLE SHOOTING

LAURIER

<u>SYMPTON</u>	<u>PROBABLE CAUSE</u>	<u>REMEDY</u>
1. Loads only 10 Bales or less	*Reversing too far *Depending on Bale type	*Pack bales on mover closer *Will accept 12-5½' Bales
2. Strings cut when unloading	*Tractor, chain speed uneven *Inside lift fork too low	*Keep tractor & chain speed constant *Raise fork accordingly
3. Chain falls from track	*Chain not tight *Forks too close to mover bed	*Tighten chain as on Page 15 *Raise inside lift fork
4. Chains twist or lean	*Pressure from bales caused by side loading	*Straighten with bar *Raise lower fork so bale will clear side rail
5. Bed deck does not raise	*Low oil * Poor electrical connection *Needs seal kit	*Check tractor reservoir *Check wiring *Replace kit
6. Oil is too hot	* Hyd system open or closed	*Set toggle control i.e. if your tractor hydraulic is open centre set toggle switch on open.
7. Switches work in opposite direction	*Improper Connection	*Switch hydraulic lines from tractor outlet.

ELECTRICAL SYSTEMCONNECTION DIAGRAMBATTERY CONNECTIONS

WHITE = + 12 V

BLACK = GND

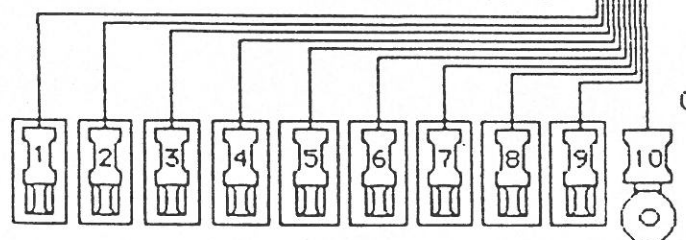
TCP12-B

TCS12-B WIRE COLORS DESIGNATION

1	WHITE	LFU-LEFT FORK UP
2	ORANGE/BLACK	LFD-LEFT FORK DOWN
3	BLUE	RFU-RIGHT FORK UP
4	RED/BLACK	RFD-RIGHT FORK DOWN
5	ORANGE	DU-DECK UP
6	WHITE/BLACK	DD-DECK DOWN
7	GREEN	CU-CONVEYOR UP
8	BLACK/WHITE	CD-CONVEYOR DOWN
9	RED	BY-BLOCK VALVE
10	BLACK	G-GROUND
11	GREEN/BLACK	NOT USED
12	BLUE/BLACK	NOT USED

PROJ 8520	SHEET 6 OF 6
NAME LAURIER MANUFACTURING	
02/26/86 DRC	

LFU LFD RFU RFD DU DD CU CD BV



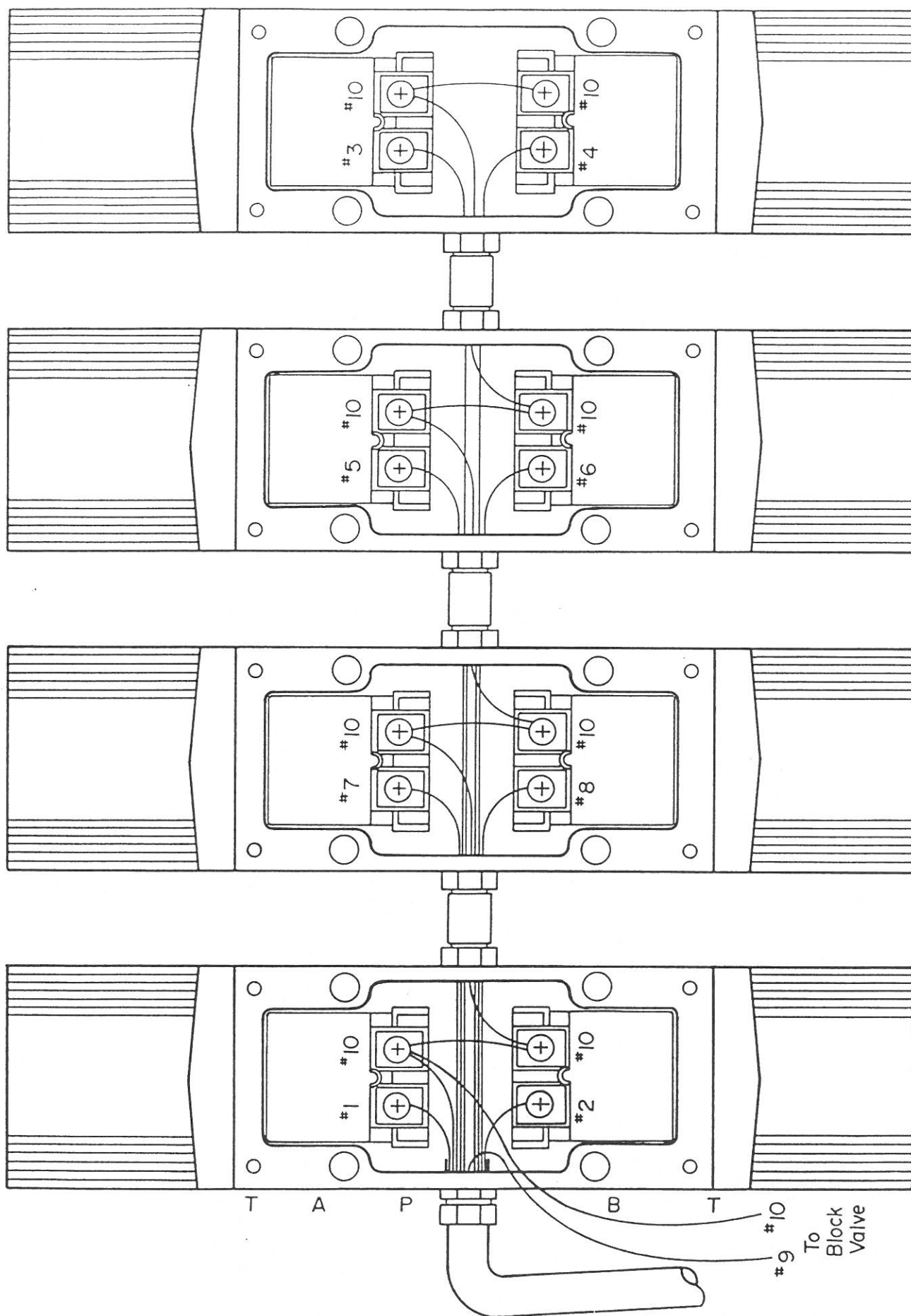
Up Position

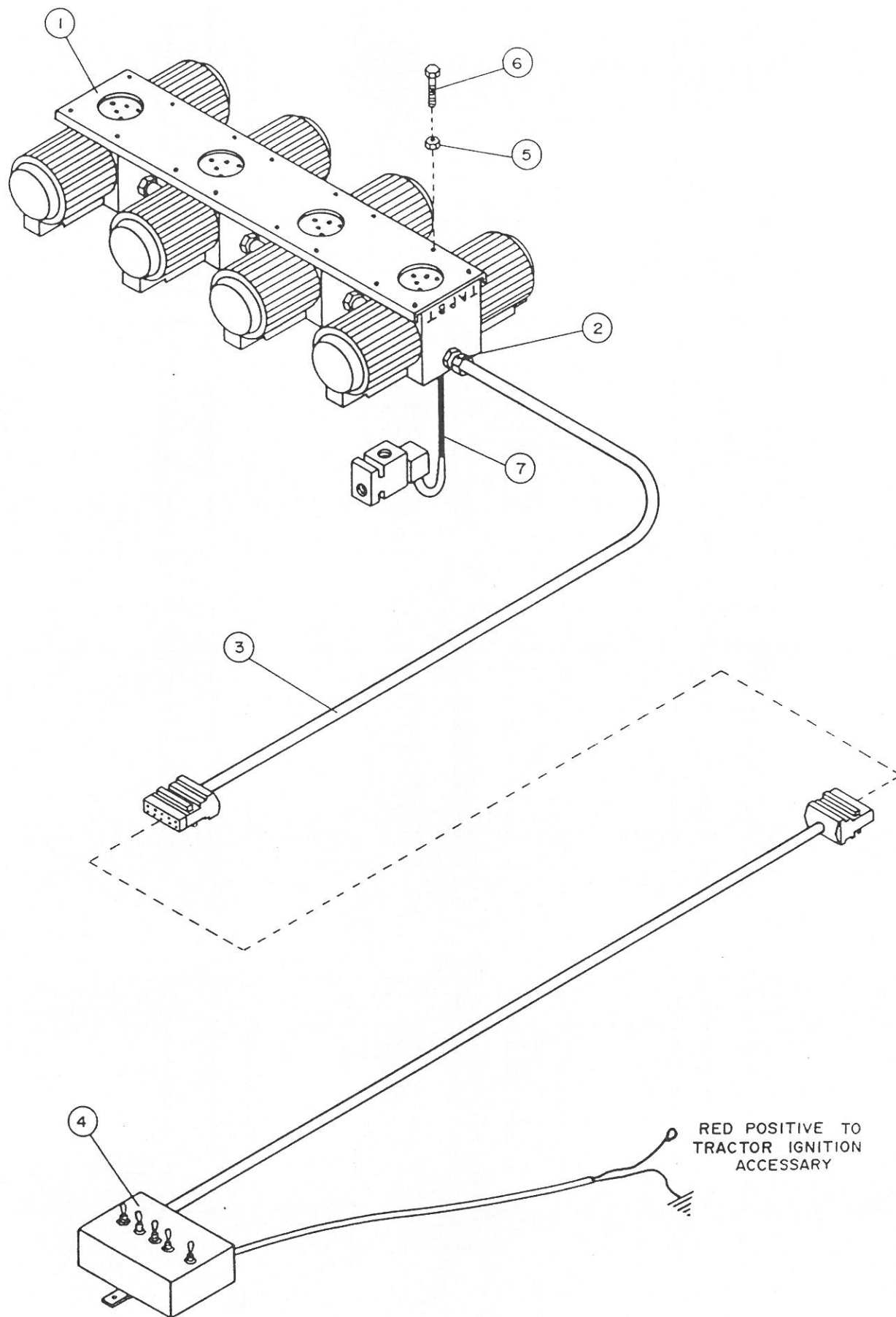
Down Position

FRONT

REAR

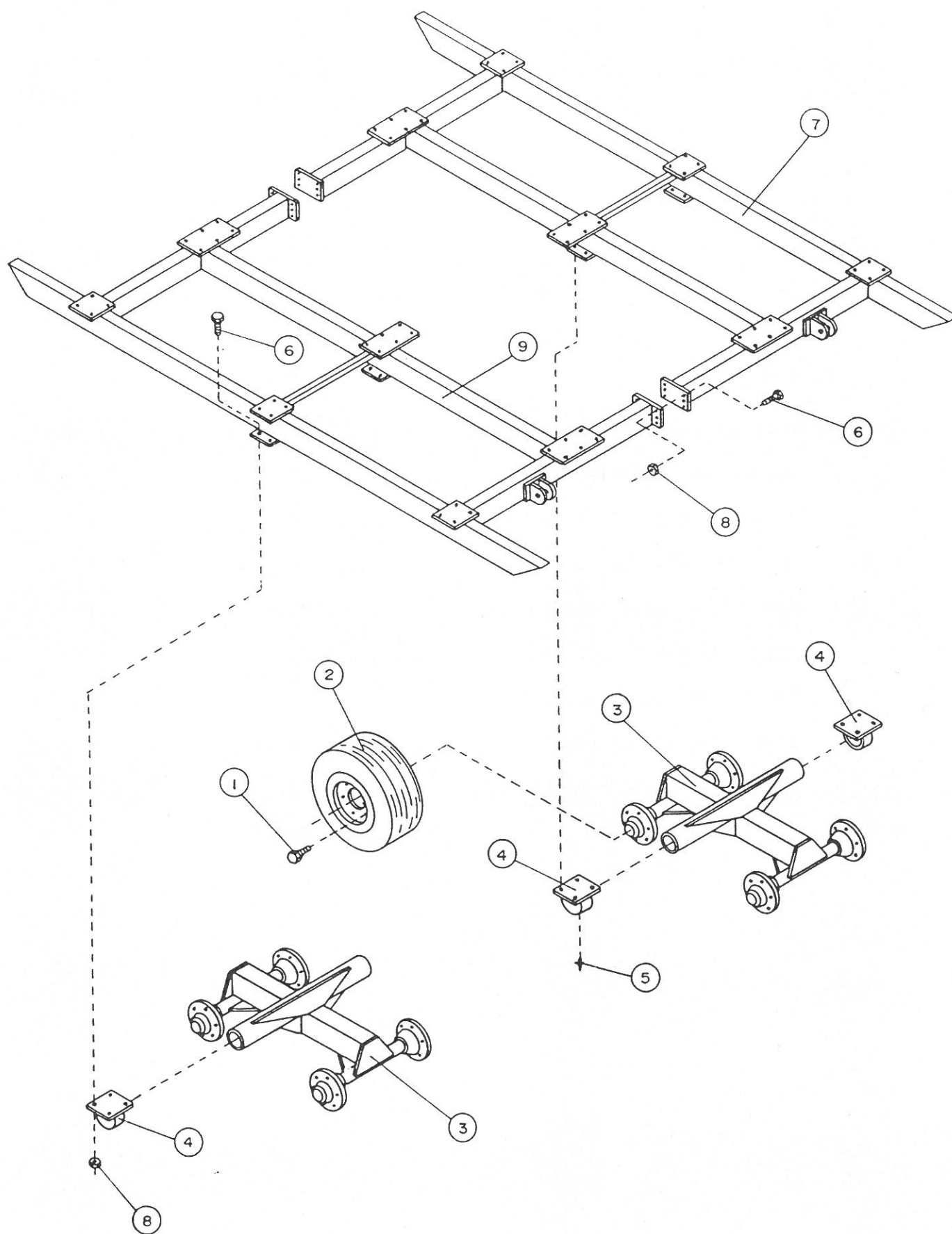
NOTE View From Underside Of Machine



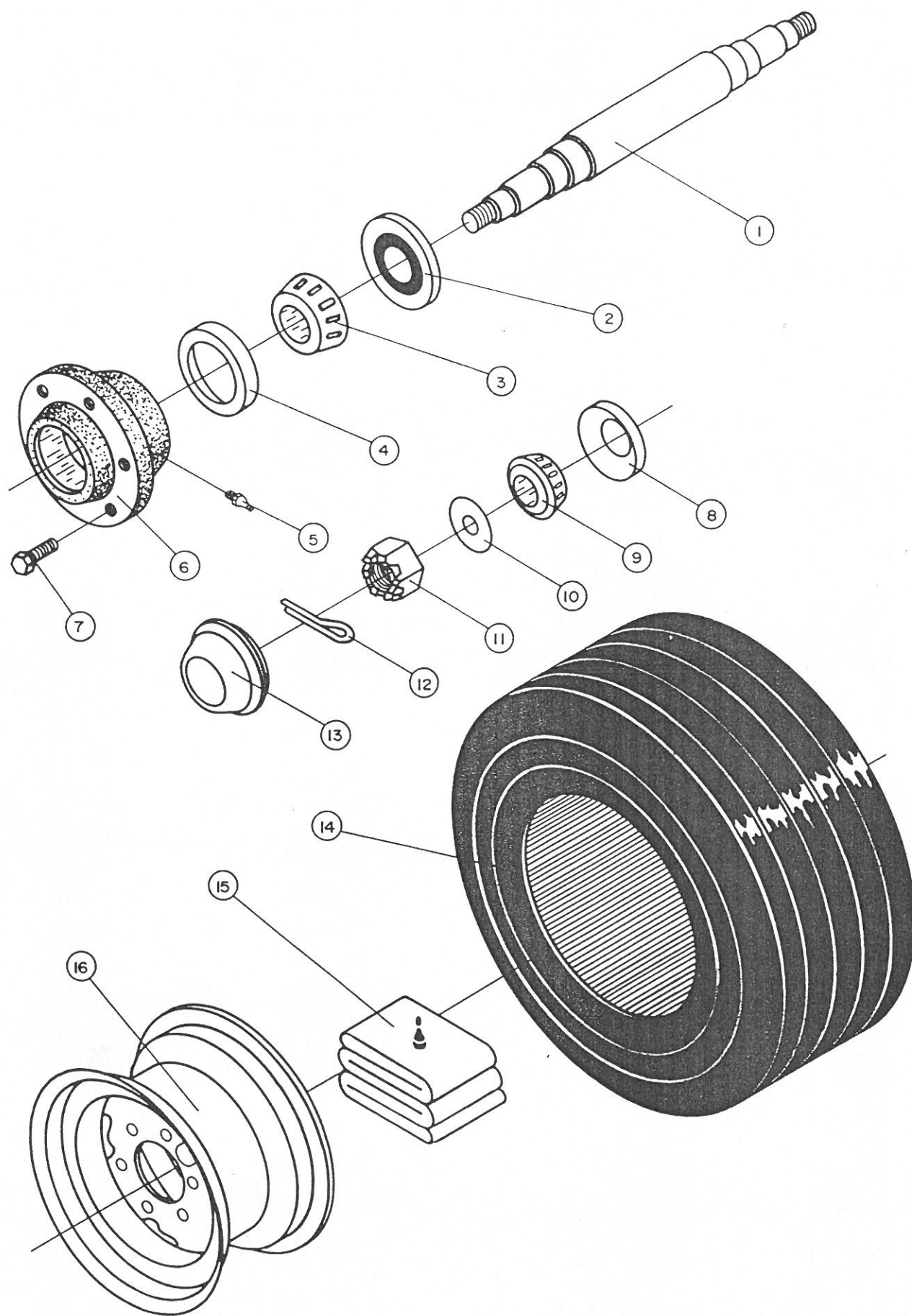


PARTS CATALOGUE

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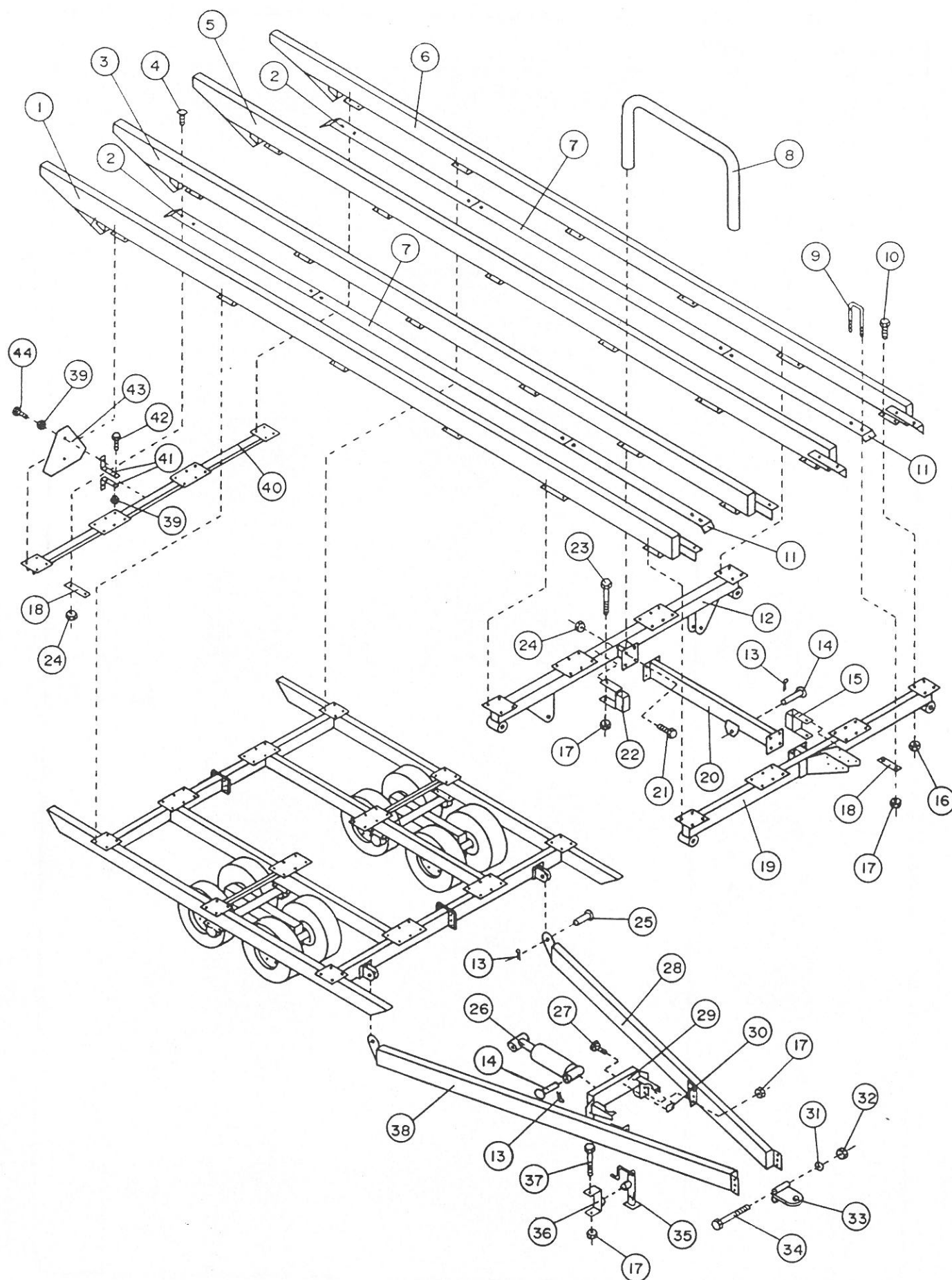


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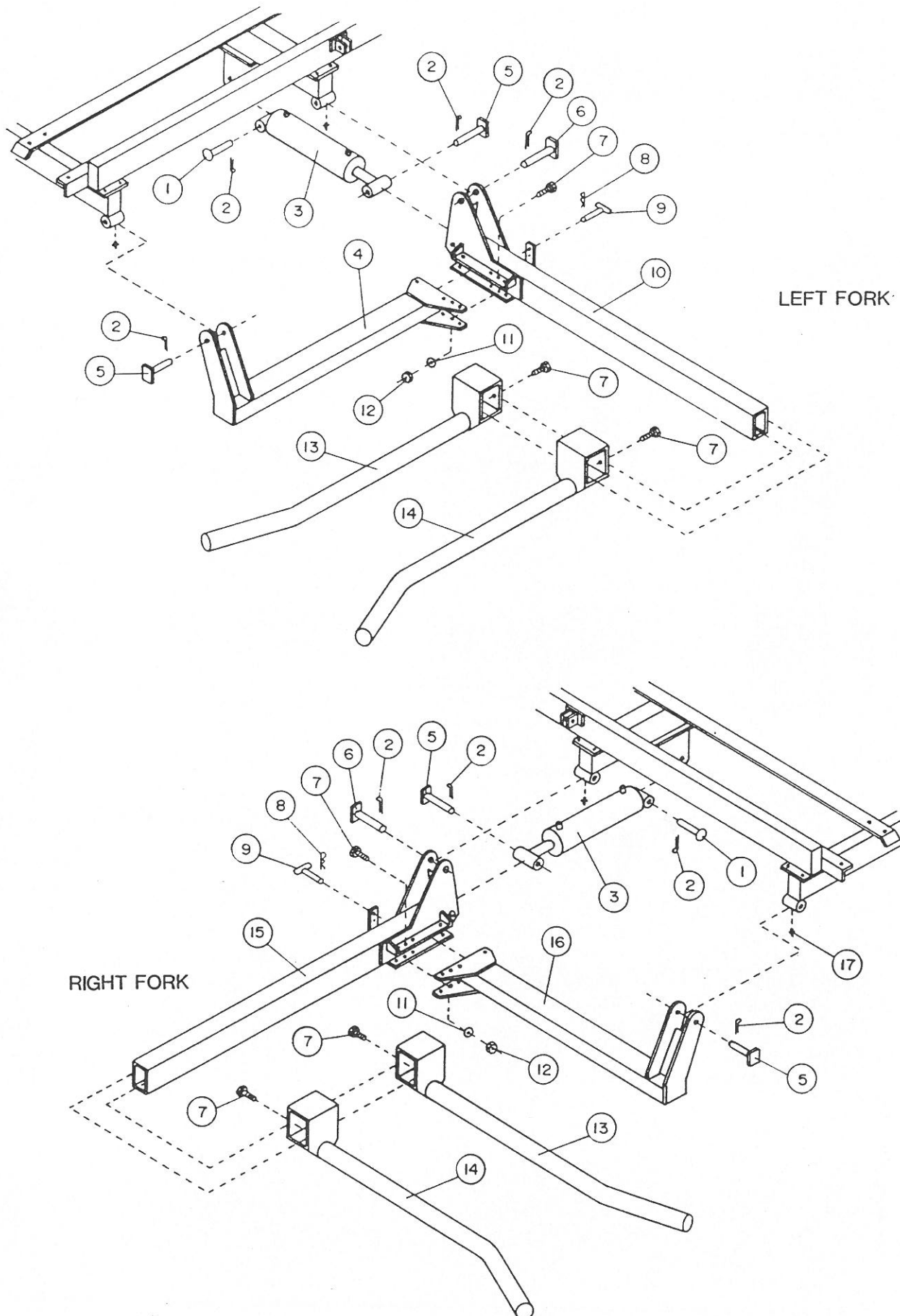


ITEM	PART NUMBER	DESCRIPTION	Nº
1	91255	2" Dia Dual Spindle x 25"	1
2	91091	618 Seal	2
3	91171	618 Inner Cone LM25580	2
4	91151	618 Inner Race LM25520	2
5	91700	Grease Nipple 1/8" NPT Straight	2
6	91071	618 Hub	2
7	91061	Wheel Bolt 9/16"	12
8	91131	618 Outer Race LM48510	2
9	91111	618 Outer Cone LM48548	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	91004	9.5L x 8 ply Hi-Way Service x 15"	2
15	91045	9.5L Standard Tube	2
16	91050	15" x 8" x 6 Wheel Rim	2

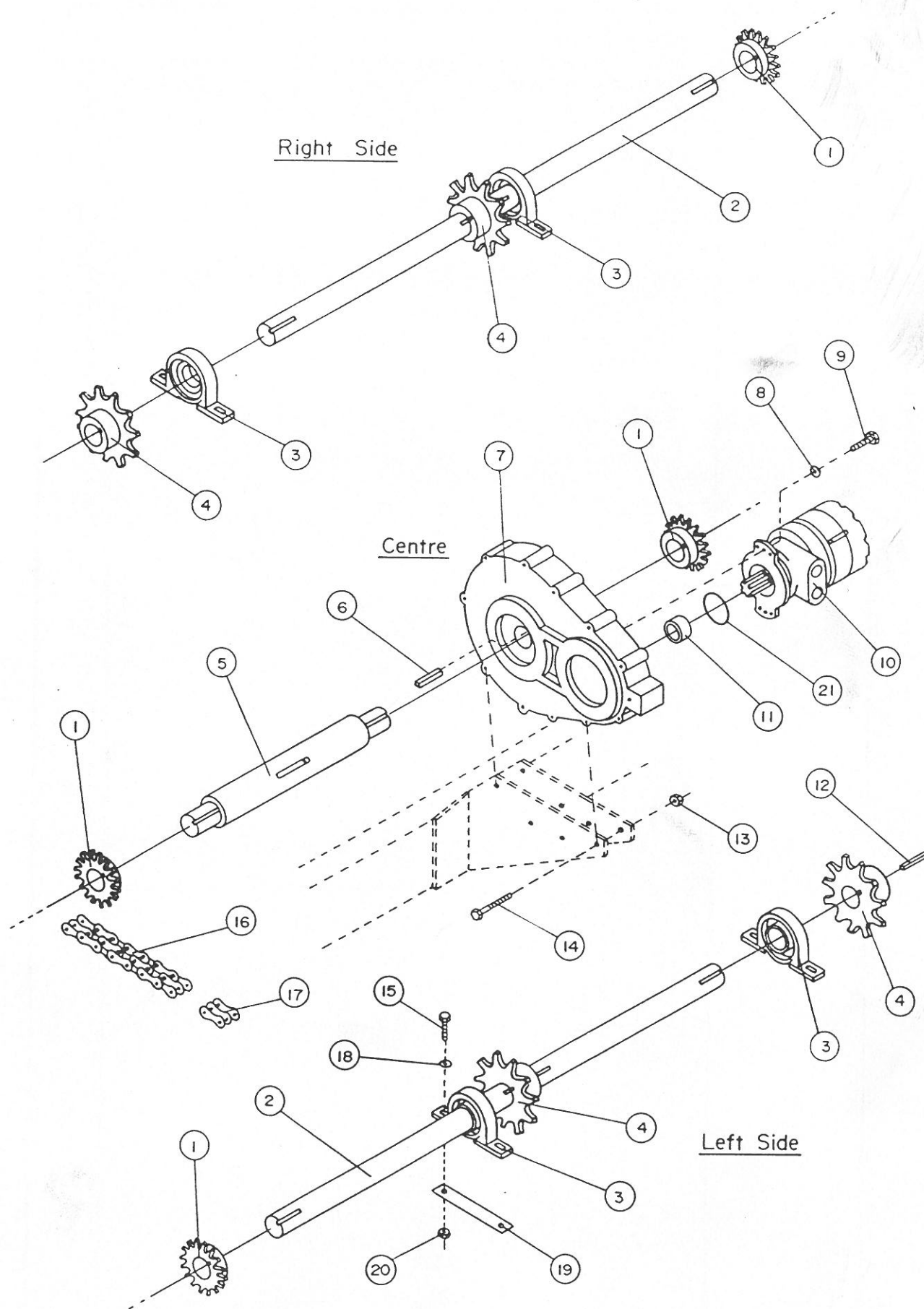
A-FRAME HITCH AND RAIL ASSEMBLY



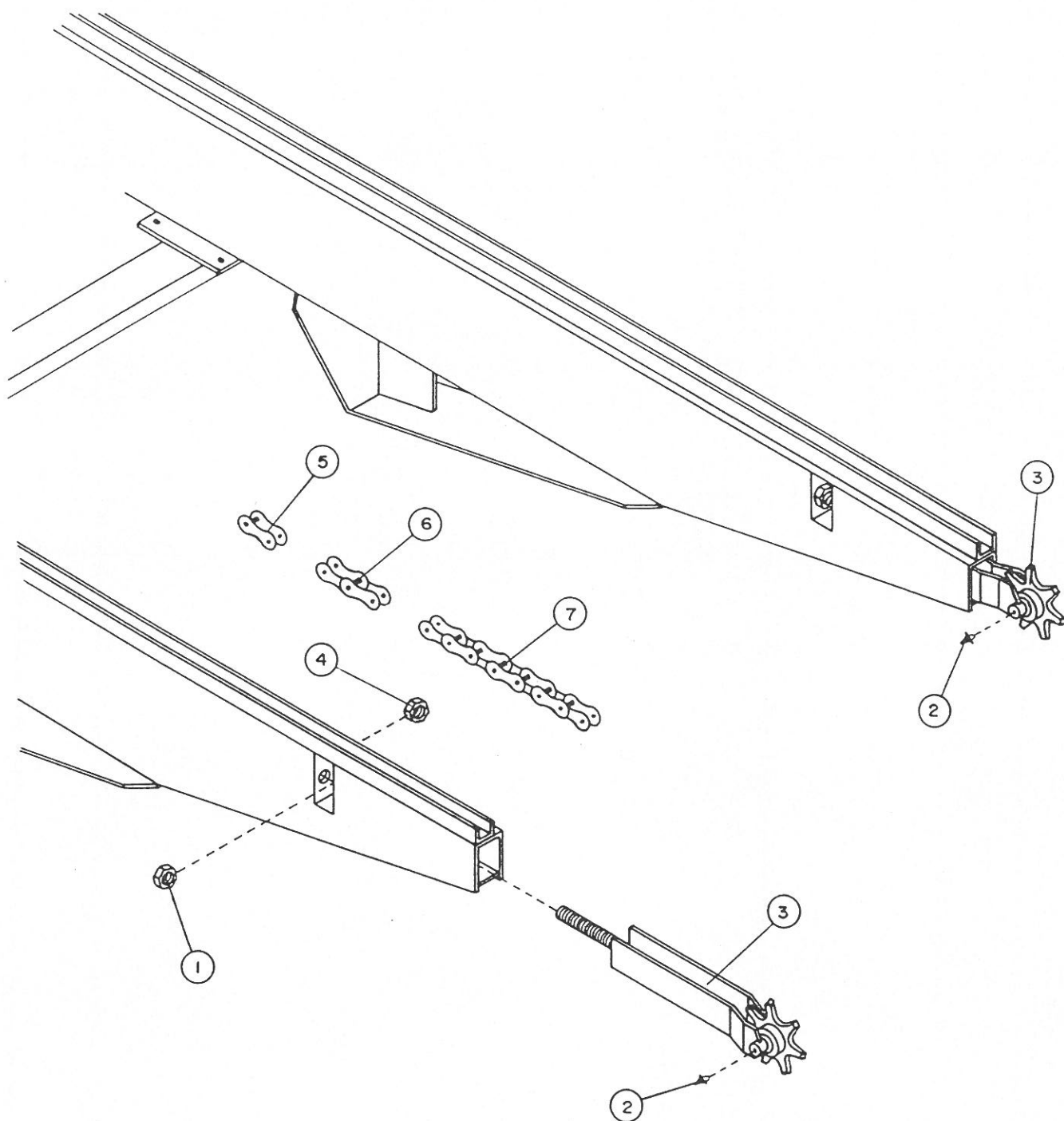
ITEM	PART NUMBER	DESCRIPTION	Nº
1	40033	Right Outside Rail	1
2	40028	Rear Bale Slider	2
3	40034	Right Inside Rail	1
4	CB5C0740P	Carriage Bolt 7/16" x 2 1/2"	4
5	40035	Left Inside Rail	1
6	40036	Left Outside Rail	1
7	40027	Middle Bale Slider	2
8	40015	Bale Divider	2
9	UB0848112	U-Bolt 1/2" x 3" x 7"	6
10	B5C0616P	Bolt 3/8" x 1"	96
11	40026	Front Bale Slider	2
12	40007	4" x 6" Cross Member	1
13	CP0440	Cotter Pin 1/4" x 2 1/2"	4
14	40009	Cylinder Bracket Pin	2
15	40044	3 x 6 Cross Member Bale Divider Holder	2
16	LN5C06P	Locknut 3/8"	96
17	LN5C08P	Locknut 1/2"	23
18	40029	Bale Slider Plate	8
19	40005	3 x 6 Cross Member	1
20	40039	Bale Divider Tube	1
21	B5C0720P	Bolt 7/16" x 1 1/4"	8
22	40043	4 x 6 Cross Member Bale Divider Holder	2
23	B5C08120P	Bolt 1/2" x 7 1/2"	4
24	LN5C07P	Locknut 7/16"	12
25	40003	A-Frame Hitch Pin 1 1/4" x 3"	2
26	90109	Cylinder 3" x 16"	1
27	B5C0824P	Bolt 1/2" x 1 1/2"	6
28	40014	Left A-Frame Hitch	1
29	40016	A-Frame Centre Member	1
30	92003	Serial Number Plate	1
31	W16P	Lockwasher 1"	2
32	N5C16P	Nut 1"	2
33	40004	Hitch Plate	1
34	B5C16120P	Bolt 1" x 7 1/2"	2
35	92033	Hitch Jack (5000 lbs)	1
36	40020	Jack Plate c/w Stub	1
37	B5C08152P	Bolt 1/2" x 9 1/2"	1
38	40013	Right A-Frame Hitch	1
39	LN5C04P	Locknut 1/4"	3
40	40006	Rear Channel Cross Member	1
41	40040	Slow Moving Sign Bracket	2
42	B5C0436P	Bolt 1/4" x 2 1/4"	2
43	92038	Slow Moving Sign	1
44	B5C0412P	Bolt 1/4" x 3/4"	2



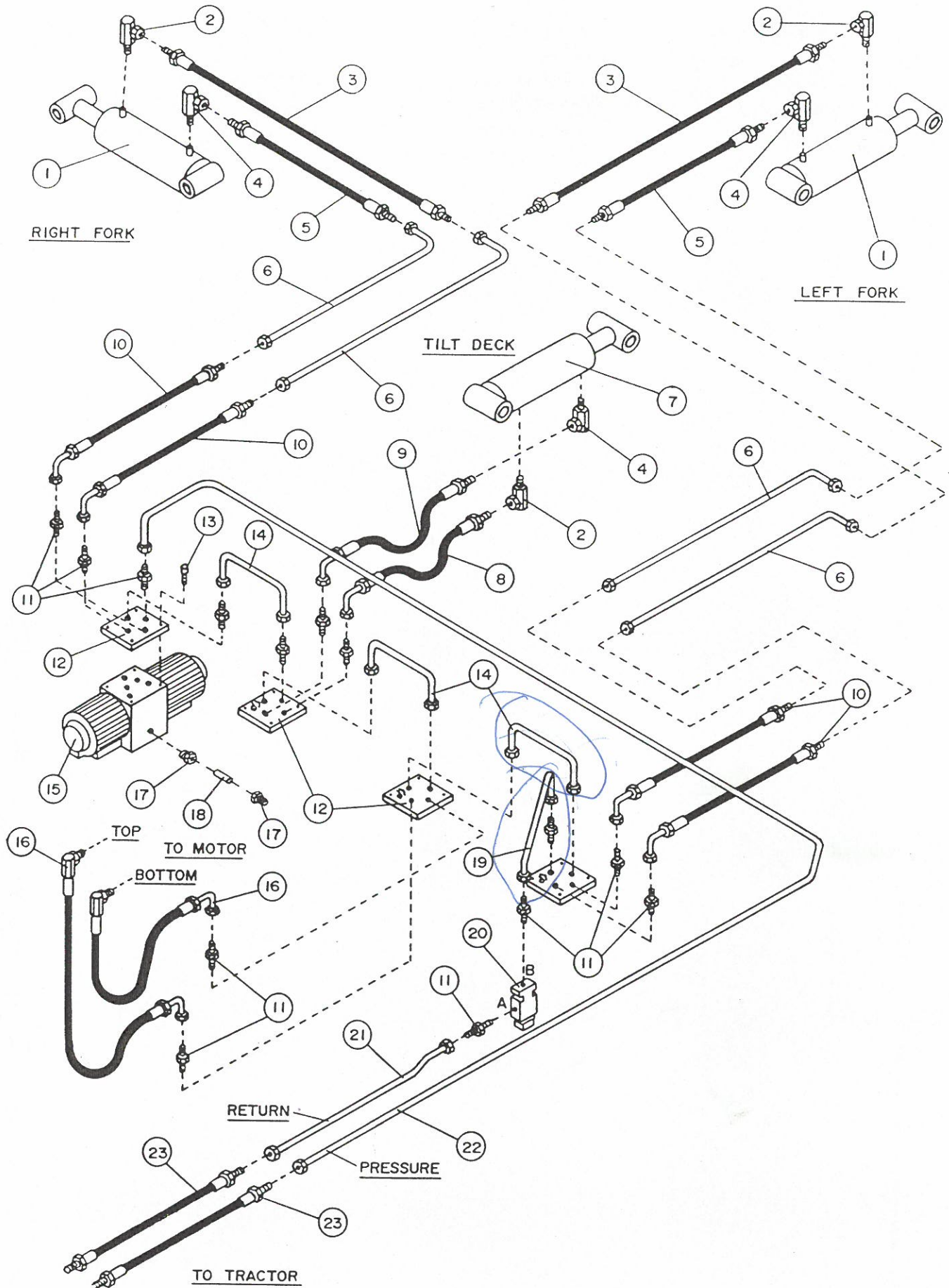
ITEM	PART NUMBER	DESCRIPTION	Nº
1	40009	Cylinder Bracket Pin	2
2	CP0440	Cotter Pin 1/4" x 2 1/2"	8
3	90108	Cylinder 3 1/2" x 13" Barrel	2
4	40011	Right Pivot Arm	1
5	40008	Front Pivot Arm Pin	4
6	40010	Pivot Slide Arm Pin	2
7	B5C1024P	Bolt 5/8" x 1 1/2"	20
8	HP40	Hair Pin Clip 2 1/2"	2
9	40019	Pivot Slide Arm Lock Pin	2
10	40017	Right Pivot Slide Arm	1
11	W10P	Lockwasher 5/8"	16
12	N5C10P	Nut 5/8"	16
13	40022	Right Fork Tooth	2
14	40023	Left Fork Tooth	2
15	40018	Left Pivot Slide Arm	1
16	40012	Left Pivot Arm	1
17	91700	Grease Nipple 1/8" NPT Straight	4



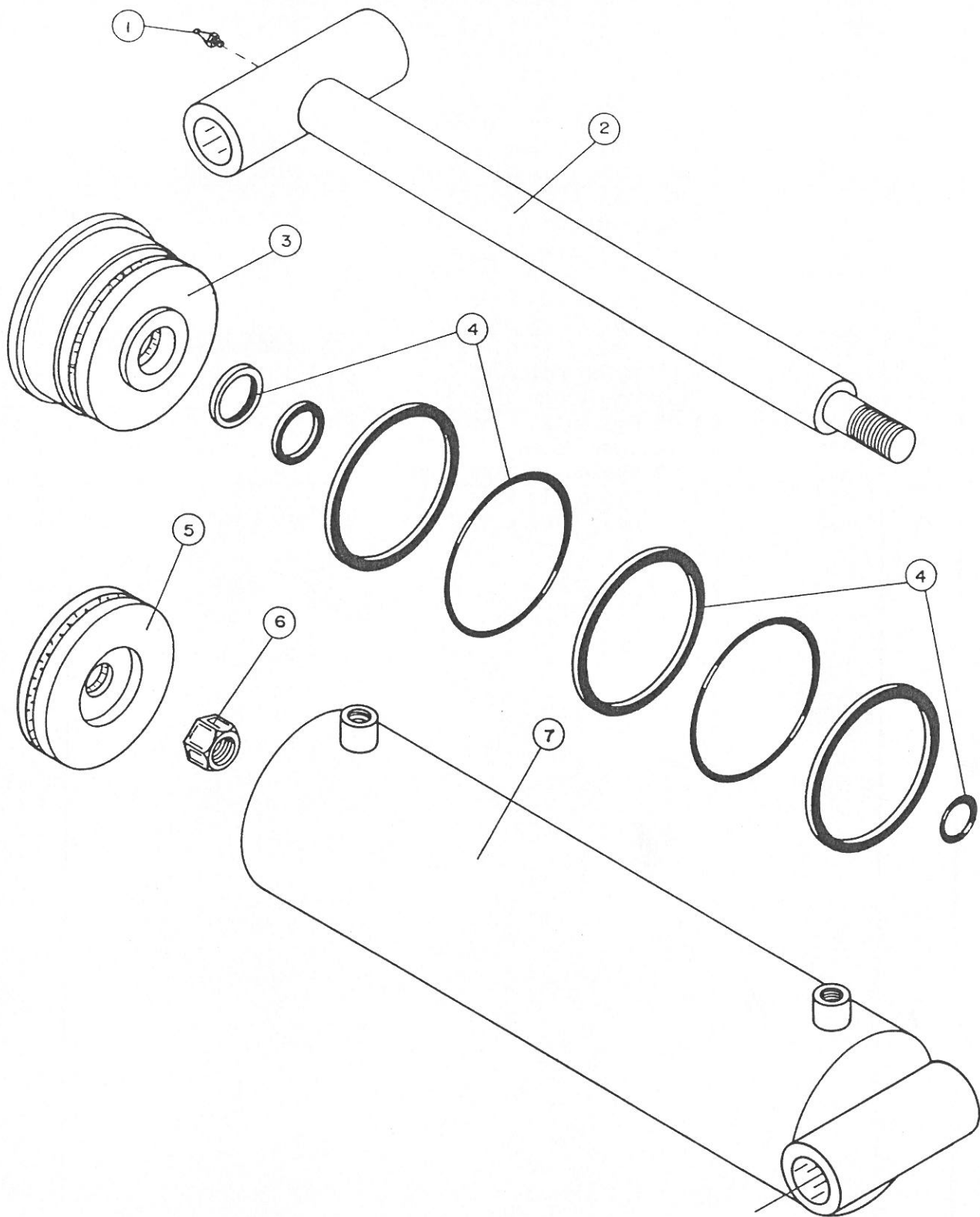
ITEM	PART NUMBER	DESCRIPTION	Nº
1	92032	Coupler Sprocket 50B - 18T, 1 3/4" Bore	6
2	40030	Right or Left Gear Shaft	2
3	92031	1 3/4" Bore Pillow Block UCP 209	4
4	92029	Gear Box Sprocket C - 2062 - 11T 1 3/4" Bore	4
5	40031	Centre Gear Shaft	1
6	40041	Key Stock 1/2" x 3"	1
7	92030	Parallel Shaft Gear Box #590	1
8	W08P	Lockwasher 1/2"	2
9	B5C0824P	Bolt 1/2" x 1 1/2" Gr 5	2
10	92025	Hydraulic Motor	1
11	92039	Hydraulic Motor Collar	1
12	40042	Key Stock 3/8" x 2"	8
13	LN5C05P	Lock Nut 5/16"	4
14	B5C0564P	Bolt 5/16" x 4"	4
15	B5C0832P	Bolt 1/2" x 2"	8
16	91507	18LR 50-2 Chain c/w Connecting Link	2
17	91509	18LR 50-2 Connecting Link	*
18	FW08P	Flatwasher 1/2"	8
19	40032	Rail Bearing Shim Plate 1/16"	*
	40045	Rail Bearing Shim Plate 1/8"	*
20	LN5C08P	Locknut 1/2"	8
21	92044	Hydraulic Motor O-Ring	1
	92507	Left Shaft Complete includes #1-4, #12	*
	92508	Right Shaft Complete includes #1-4, #12	*
		*As Required	



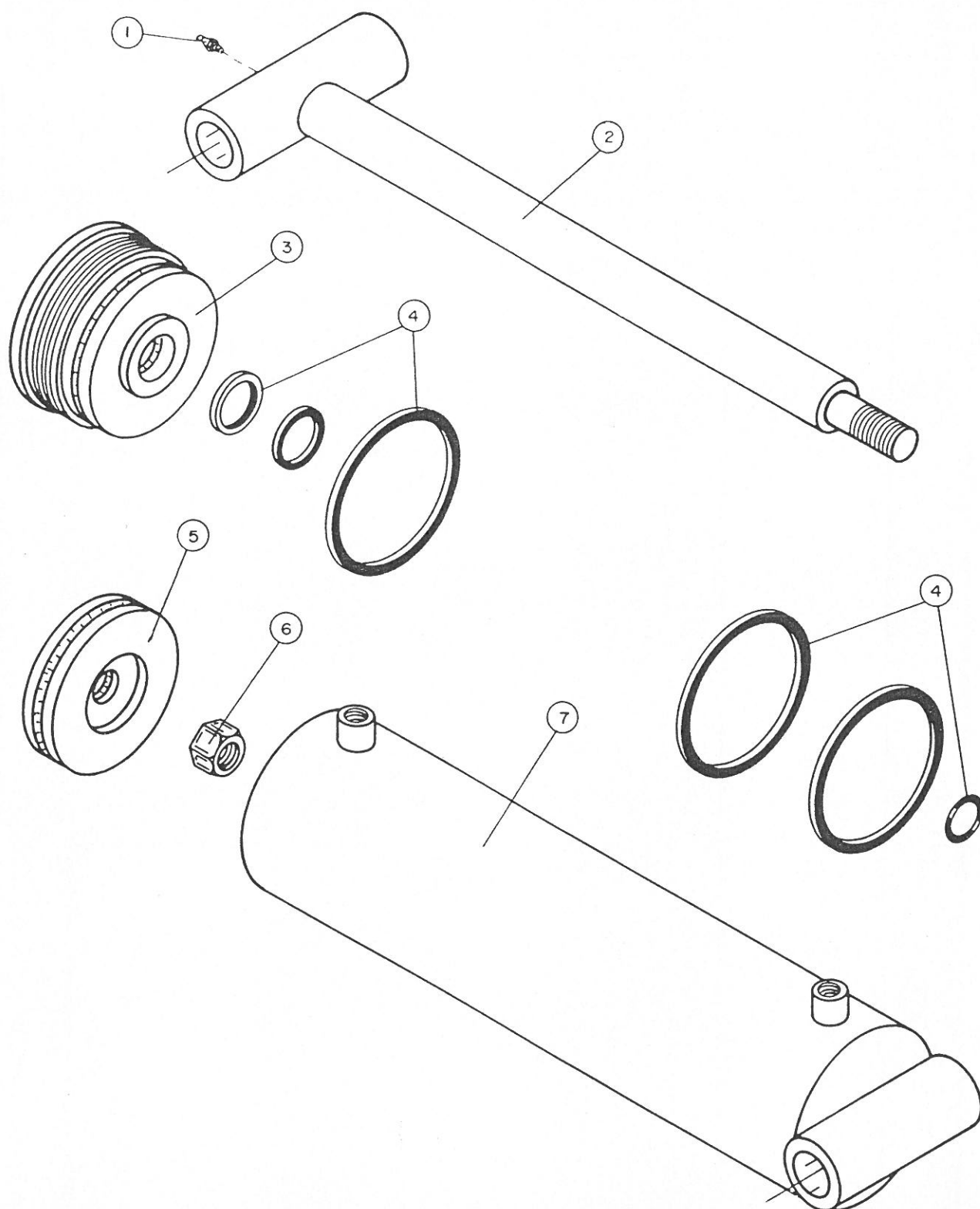
ITEM	PART NUMBER	DESCRIPTION	N°
1	N5C10P	Nut 5/8"	4
2	91700	Grease Nipple 1/8" NPT Straight	4
3	40021	Chain Tightener Assembly	4
4	LN5C10P	Locknut 5/8"	4
5	91511	2062 Half Link	*
6	91510	2062 Connecting Link	*
7	91508	2062 Chain c/w Connecting Link	4
		*As Required	



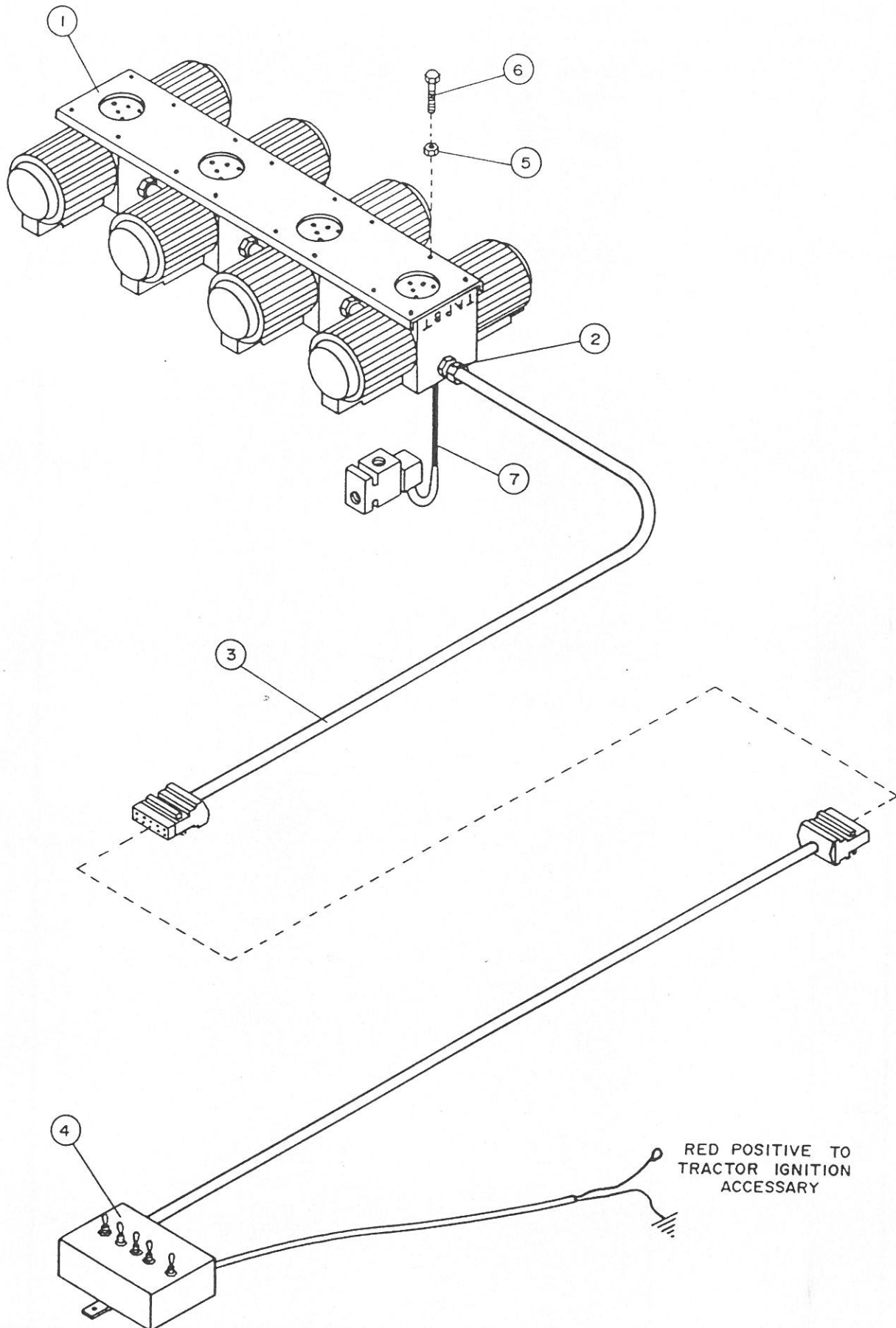
ITEM	PART NUMBER	DESCRIPTION	Nº
1	90108	Cylinder 3 1/2" x 13 Barrel (CTD)	2
2	90500	1/2" x 90° Swivel Elbow (Restricted)	3
3	90228	3/8" Hose 1 Wire 1/2" MB x 1/2" MJ x 40"	2
4	90501	1/2" x 90° Swivel Elbow	3
5	90222	3/8" Hose 1 Wire 1/2" MB x 1/2" MJ x 28"	2
6	90408	1/2" Hydraulic Line x 56"	4
7	90109	Cylinder 3" x 16 Barrel (Ram)	1
8	90224	3/8" Hose 1 Wire 1/2" MB x 1/2" HA0608NJ90T x 23"	1
9	90225	3/8" Hose 1 Wire 1/2" MB x 1/2" HA0608NJ90T x 39"	1
10	90227	3/8" Hose 1 Wire 1/2" MJ x 1/2" HA0608NJ90T x 16"	4
11	90550	Flare Adaptor 848 FS0808	18
12	92035	Valve Sub Plate	4
13	S5C0424P	Allan Set Screw RD. HD 1/4" x 1 1/2"	16
14	90405	1/2" Hydraulic Line x 12" @ 90°	3
15	92038	Solenoid Valve DS603	4
16	90226	3/8" Hose 1 Wire 1/2" MB x 1/2" HA0608NJ90T x 50"	2
17	92036	1/2" Nylon Adaptors	6
18	92037	Plastic Hose x 3"	3
19	90409	1/2" Hydraulic Line x 11" @ 90°	1
20	92034	Cartridge Valve	1
21	90406	1/2" Hydraulic Line x 50"	1
22	90407	1/2" Hydraulic Line x 95"	1
23	90223	3/8" Hose 1 Wire 1/2" MJ x 1/2" MB x 58"	2



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	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	



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"	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	N°
1	40038	Solenoid Valve Holder Plate	1
2	92040	Electrical Adapter	4
3	92041	Electrical Harness	1
4	92042	Electrical Harness c/w Controls	1
5	LN5C05P	Locknut 5/16"	16
6	B5C0528P	Bolt 5/16" x 1 3/4"	16
7	92043 92026	Plastic Hose & Connectors 9 1/2" Solenoid Valve Assembly Complete	1 *
		*As Required	

PARTS INDEX

PART #	PAGE	ITEM	DESCRIPTION	PART #	PAGE	ITEM	DESCRIPTION
40001	25	9	Right Main Sub Frame	90222	37	3	3/8" Hose x 28"
40002	25	7	Left Main Sub Frame	90223	37	23	3/8" Hose x 58"
40003	29	25	Hitch Pin	90224	37	8	3/8" Hose x 23"
40004	29	33	Hitch Plate	90225	37	9	3/8" Hose x 39"
40005	29	19	3 x 6 Cross Member	90226	37	16	3/8" Hose x 50"
40006	29	40	Channel Cross Member	90227	37	10	3/8" Hose x 16"
40007	29	12	4 x 6 Cross Member	90228	37	5	3/8" Hose x 40"
40008	31	5	Front Pivot Arm Pin	90405	37	14	1/2" Hyd Line x 12" @ 90°
40009	29	14	Cylinder Bracket Pin	90406	37	27	1/2" Hyd Line x 50"
40009	31	1	Cylinder Bracket Pin	90407	37	22	1/2" Hyd Line x 95"
40010	31	6	Pivot Slide Arm Pin	90408	37	6	1/2" Hyd Line x 56"
40011	31	4	Right Pivot Arm	90409	37	19	1/2" Hyd Line x 11" @ 90°
40012	31	16	Left Pivot Arm	90500	37	2	1/2" Swivel Elbow (Restricted) 90°
40013	29	38	Right A-Frame Hitch	90501	37	4	1/2" Swivel Elbow 90°
40014	29	28	Left A-Frame Hitch	90550	37	11	Flare Adaptor
40015	29	8	Bale Divider	90645	41	2	Cylinder Shaft c/w tube End
40016	29	29	A-Frame Centre Member	90646	39	2	Cylinder Shaft c/w tube End
40017	31	10	Right Pivot Slide Arm	90662	41	3	Screw on End Cap (3 1/2")
40018	31	15	Left Pivot Slide Arm	90666	39	3	Screw on EndCap (3")
40019	31	9	Pivot Slide Arm Lock Pin	90680	41	4	Seal Kit 3 1/2" (CID)
40020	29	36	Jack Plate c/w stub	90684	39	4	Seal Kit 3" (Ram)
40021	35	3	Chain Tightener Assembly	90700	41	5	Piston 3 1/2"
40022	31	13	Right Fork Tooth	90705	39	5	Piston 3"
40023	31	14	Left Fork Tooth	90720	39	6	Piston Nut
40024	25	4	Walking Beam Pockets	90720	41	6	Piston Nut
40025	25	3	Walking Beam	91004	27	14	9.5L x 8 ply HiWay Tire x 15"
40026	29	11	Front Bale Slider	91030	25	2	9.5L x 8 ply Tire, Tube 8" Rim
40027	29	7	Middle Bale Slider	91045	27	15	9.5L Standard Tube
40028	29	2	Rear Bale Slider	91050	27	16	15" x 8" x 6 Wheel Rim
40029	29	18	Bale Slider Plate	91061	25	1	9/16" Wheel Bolt
40030	33	2	R & L Gear Shaft	91061	27	7	9/16" Wheel Bolt
40031	33	5	Centre Gear Shaft	91071	27	6	618 Hub
40032	33	19	1/16" Bearing Shim Plate	91091	27	2	618 Seal
40033	29	1	Right Outside Rail	91111	27	9	618 Outer Cone
40034	29	3	Right Inside Rail	91131	27	8	618 Outer Race
40035	29	5	Left Inside Rail	91151	27	4	618 Inner Race
40036	29	6	Left Outside Rail	91171	27	3	618 Inner Cone
40038	43	1	Solenoid Valve Holder Plate	91190	27	10	Washer Hub
40039	29	20	Bale Divider Tube	91210	27	11	Castelated Nut
40040	29	41	Slow Moving Sign Bracket	91231	27	13	618 Dust Cap
40041	33	6	Keystock 1/2" x 3"	91255	27	1	2" Dia Dual Spindle x 25"
40042	33	12	Keystock 3/8" x 2"	91507	33	16	18LR 50-2 Chain, Conn Link
40043	29	22	4 x 6 Bale Divider Holder	91508	35	7	2062 Chain, Conn Link
40044	29	15	3 x 6 Bale Divider Holder	91510	35	6	2062 Connecting Link
40045	33	19	1/8" Bearing Shim Plate	91511	35	5	2062 Half Link
90108	31	3	Cylinder 3 1/2" x 13"	91700	25	5	Grease Nipple 1/8" Str
90108	37	1	Cylinder 3 1/2" x 13"	91700	27	5	Grease Nipple 1/8" Str
90108	41	*	Cylinder 3 1/2" x 13"	91700	39	1	Grease Nipple 1/8" Str
90109	29	26	Cylinder 3" x 16"	91700	41	1	Grease Nipple 1/8" Str
90109	37	7	Cylinder 3" x 16"	92003	29	30	Serial Number Plate
90109	39	*	Cylinder 3" x 16"	92025	33	10	Hydraulic Motor
90146	41	7	Screw on Tube 3 1/2" (Tube End)	92026	43	*	Solenoid Valve Assembly Complete
90147	39	7	Screw on tube 3" (Tube End)	92027	43	*	Electrical Harness Complete
				92028	29	43	Slow Moving Sign

PART #	PAGE	ITEM	DESCRIPTION
92029	33	4	Sprocket C-2062- 11 T
92030	33	7	Parallel Shaft Gear Box
92031	33	3	Pillow Block UCP 209
92032	33	1	Coupler Sprocket 50B-18T
92033	29	35	Hitch Jack (5000 lbs)
92034	37	20	Cartridge Valve
92035	37	12	Solenoid Valve Sub Plate
92036	37	17	1/2" Nylon Adaptors
92037	37	18	Plastic Hose x 3"
92038	37	15	Solenoid Valve D S 603
92039	33	11	Hydraulic Motor Collar
92040	43	2	Electrical Wiring Adaptor
92041	43	3	Electrical Harness
92042	43	4	Electrical Ham c/w Control
92043	43	7	Plastic Hose & Connect 9/2"
92507	33	*	Left Gear Shaft Complete
92508	33	*	Right Gear Shaft Complete
B5C0412P	29	44	Bolt 1/4" x 3/4"
B5C0436P	29	42	Bolt 1/4" x 2 1/4"
B5C0528P	43	6	Bolt 5/16" x 1 3/4"
B5C0564P	33	14	Bolt 5/16" x 4"
B5C0616P	29	10	Bolt 3/8" x 1"
B5C0720P	29	21	Bolt 7/16" x 1 1/4"
B5C0824P	25	6	Bolt 1/2" x 1 1/2"
B5C0824P	29	27	Bolt 1/2" x 1 1/2"
B5C0824P	33	9	Bolt 1/2" x 1 1/2" GF5
B5C0832P	33	15	Bolt 1/2" x 2"
B5C08120P	29	23	Bolt 1/2" x 7 1/2"
B5C08152P	29	37	Bolt 1/2" x 9 1/2"
B5C1024P	31	7	Bolt 5/8" x 1 1/2"
B5C16120P	29	34	Bolt 1" x 7 1/2"
CB5C0740P	29	4	Carriage Bolt 7/16" x 2 1/2"
CP0324	27	12	Cotter Pin 3/16" x 1 1/2"
CP0440	29	13	Cotter Pin 1/4" x 2 1/2"
CP0440	31	2	Cotter Pin 1/4" x 2 1/2"
FW08P	33	18	Flatwasher 1/2"
HP40	31	8	Hair Pin Clip 2 1/2"
IN5C04P	29	39	Locknut 1/4"
IN5C05P	33	13	Locknut 5/16"
IN5C05P	43	5	Locknut 5/16"
IN5C06P	29	16	Locknut 3/8"
IN5C07P	29	24	Locknut 7/16"
IN5C08P	25	8	Locknut 1/2"
IN5C08P	29	17	Locknut 1/2"
IN5C08P	33	20	Locknut 1/2"
IN5C10P	35	4	Locknut 5/8"
N5C10P	31	12	Nut 5/8"
N5C10P	35	1	Nut 5/8"
N5C16P	29	32	Nut 1"
S5C0424P	37	13	Allan Set Screw 1/4" x 1 1/2"
UB0848112	29	9	U-Bolt 1/2" x 3" x 7"
W08P	33	8	Lockwasher 1/2"
W10P	31	11	Lockwasher 5/8"
W16P	29	31	Lockwasher 1"

WARRANTY

Laurier Manufacturing Limited, as manufacturer, warrants to the original retail purchaser of its products, that they are free from defective material and workmanship. The obligation of Laurier Manufacturing Limited to the repair or replacement of defective parts or correction of improper workmanship of any part(s) of such machine(s) which shall, within one year from date of original delivery to original retail purchaser, to be returned to a Laurier Manufacturing Limited factory or designated preauthorized dealer location, transportation charges prepaid, and which Laurier Manufacturing Limited will determine to its satisfaction upon examination thereof to have been defective.

This warranty covers the replacement of any defective part for which a standard Laurier warranty claim report has been made out and approved.

This warranty shall not apply to any machine or component thereof which shall have been repaired or altered outside Laurier Manufacturing Limited factory or authorized dealer location in any manner contrary to Laurier Manufacturing Limited specifications and instructions, or which, has been subjected to misuse, abuse, negligence or accident, or which has not been properly set up and operated in accordance with the recommendations set forth in Laurier Manufacturing Limited Owners Manual.

Laurier Manufacturing Limited reserves the right to make improvements in design or change in specifications at any time, without incurring any obligation to owners of units previously sold.

This warranty is only effective when the Laurier "Warranty Card" has been completed and returned within 20 days from the time of sale to the original retail purchaser.

Manufacturers of Quality Farm Equipment



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