

DANCO LOADER

Model RD-2000

FOR

INTERNATIONAL CUB CADET TRACTORS

**Models 70, 71, 72, 100, 102, 104,
105, 122, 123, 124 & 125**



GENERAL INSTRUCTIONS MANUAL

DANUSER MACHINE WORKS

1500 INDUSTRIAL BLVD. • J. BOX 808 • CLAREMORE, OKLAHOMA 74017

PHONE 266-2294, TULSA or 763-4516, CLAREMORE

INTRODUCTION

This manual will aid you in getting the most value from your Danco Loader. Read carefully all assembly, operating, adjusting and service information. You will find many helpful suggestions which will not only save you time, but will help you operate the Loader more efficiently.

Your Danco Loader is designed for mounting on the International Cub Cadet Tractors Models 70, 71, 72, 100, 102, 104, 105, 122, 123, 124, & 125. The unit has a clearing width of 34 inches and a lift capacity of over 350 pounds.

Your Danco Loader has been designed with your safety in mind. However, careless and negligent operation may still result in injury to persons and property. Be sure to read and follow all safety precautions listed in this manual.

When in need of parts and major service, see your authorized International Harvester Tractor Dealer. He has trained servicemen as well as genuine service parts and the necessary tools and equipment to handle all your needs.

A complete list of parts is included in this manual beginning on page 12.

Also available is a complete line of attachments, which, purchased optionally as individual complete kits, add still further to the long list of jobs to which the Loader is already adaptable. See pages 17 through 19 for the complete line of loader attachments.

When ordering parts, be prepared to give your dealer the serial number shown on the Loader serial number tag.

AFTER YOU HAVE READ THIS MANUAL THOROUGHLY, KEEP IT HANDY FOR FUTURE REFERENCE.



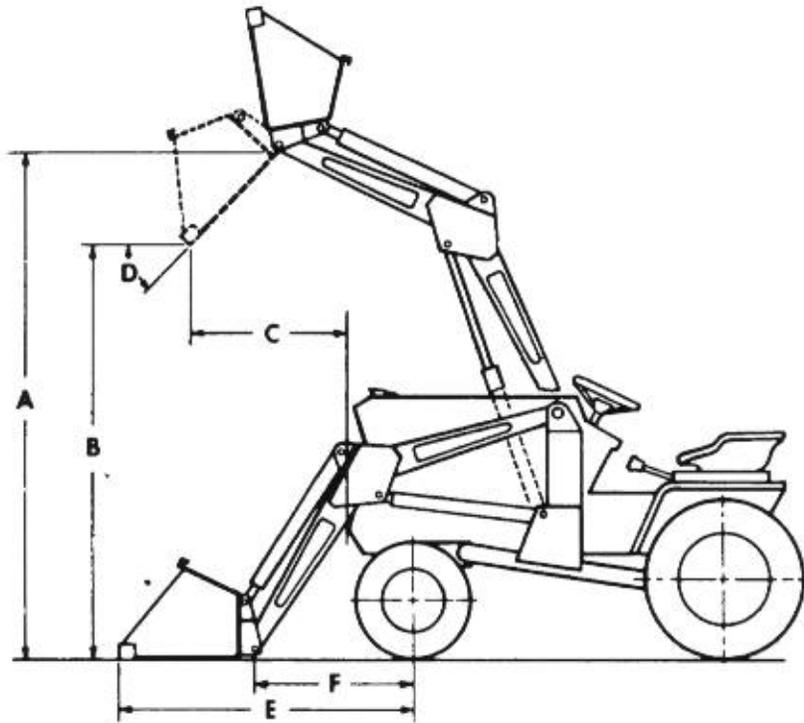
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WARRANTY

Danco Loaders and parts are guaranteed for 90 days against defective material and workmanship. Should parts prove defective, new parts will be furnished, no charge, if broken parts are returned prepaid to factory for inspection.

SPECIFICATIONS



A	Maximum Lift Height	69 Inches
B	Clearance w/Bucket Dumped.	55½ Inches
C	Reach At Maximum Height.	17 Inches
D	Maximum Dump Angle.	45 Degrees
E	Reach w/Bucket On Ground.	40½ Inches
F	Reach From Axle to Bucket.	22 Inches
	Total Weight w/Work Bucket	375 Pounds
	Lift Capacity.	350 Pounds
	Break-Away.	600 Pounds
	Hydraulic System1000 PSI
	Unit Construction	Formed Steel Box
	Counterweight Required	250 Pounds

Specifications subject to change without notice.

OPERATION

Bucket height is regulated by the L.H. valve lever. To raise the loader bucket, pull back on the lever. To lower, push the lever forward.

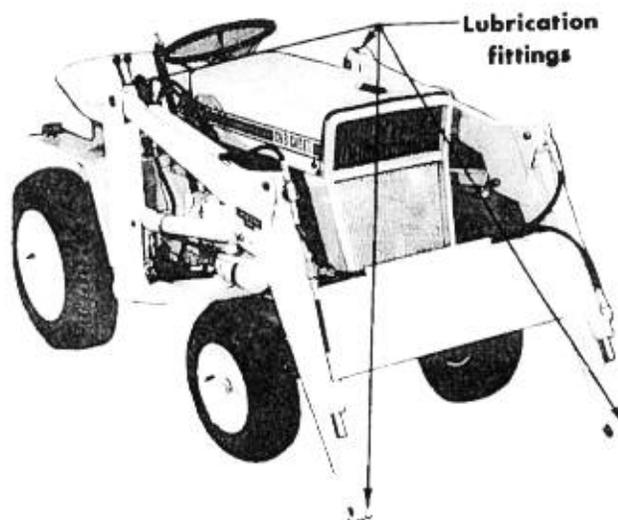
To Dump bucket push the R.H. valve handle. To return to normal position, pull valve handle back.

When loading heavy materials such as dirt

or gravel, approach the material with the tractor in low gear. Speed may be increased while moving the load to dump.

CAUTION!

Exercise extreme care when operating the loader at high speeds. When transporting loads, the loader should be set in a low position.



LUBRICATION

Lubricate and check the hydraulic oil level after each 20 hours of operation. If the unit has not been in operation for a long period of time, check thoroughly before returning to use.

When using a pressure lubricating gun, be sure that every fitting is free from dirt and paint. This will enable the lubricant to enter the bearing readily.

The loader has only four lubrication points; two where the lift assembly attaches to the side frame knees, and two where it attaches to the loader bucket. Apply two or three strokes of pressure gun grease (chassis lubricant), or a sufficient amount to flush out old grease and dirt.

To check hydraulic oil level, push the L.H. valve control lever forward and pull the R.H. lever back, thus retracting the cylinders. Remove the plug from hydraulic reservoir. The oil level in the reservoir should be 4" from the top. It is essential that the hydraulic fluid be absolutely clean and

free from water and all other foreign matter when placed in the system.

Use only hydraulic oils of the proper viscosity and type. Follow closely the recommendations given below.

TYPE

Use I H Hy-Tran Fluid or a good quality SAE-10W engine oil - Capacity 4 quarts.

The Hydraulic system is equipped with a replaceable type oil filter. Hydraulic Oil should be drained and the filter replaced after each 100 hours of use.

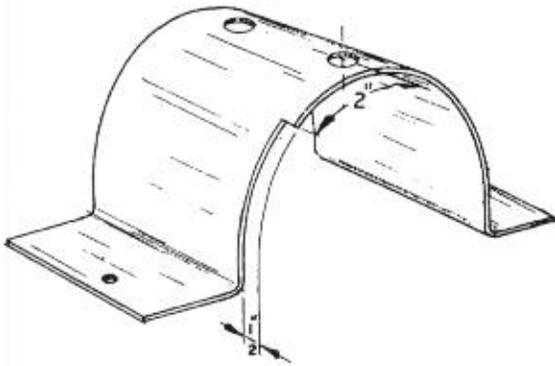
CAUTION: NEVER OPERATE THE TRACTOR WITH INSUFFICIENT FLUID IN THE RESERVOIR. THIS COULD RESULT IN DAMAGE TO THE HYDRAULICS SYSTEM.

TRACTOR PREPARATION

Heavy duty front spindles are furnished with Loader and must be installed in place of the standard front spindles. The original hardware used for mounting standard spindles should be used for heavy duty spindle installation.

In all mounting instructions reference will be made to letter figures, pointing out locations of specific items. In all the following instructions, the right hand and left hand of Tractor will be referred to as standing behind and facing the Tractor.

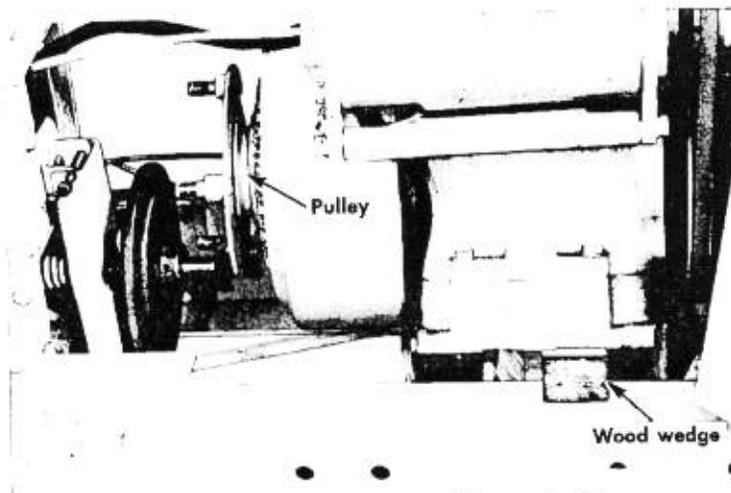
Through out this entire mounting procedure, **DO NOT COMPLETELY TIGHTEN BOLTS UNTIL SO INSTRUCTED.**



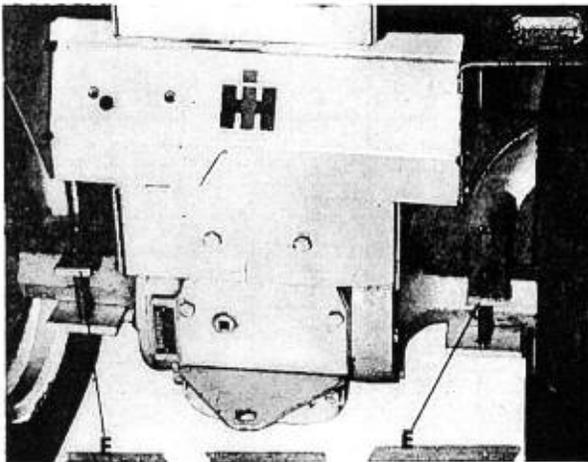
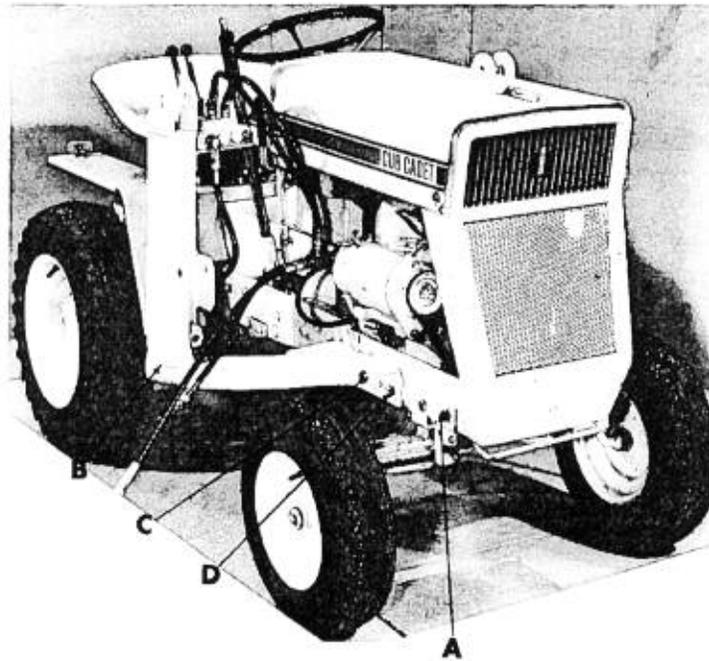
Remove Tractor clutch shield and rework as indicated by Diagram.



The Tractor grill and the four engine mounting bolts must be removed. Being careful not to damage wiring and engine throttle and choke cables, the engine must be lifted forward and blocked up with a wooden wedge as indicated in Diagram. The Loader pump drive belt should now be placed in pulley groove located at rear of engine. Re-position engine and grill and tighten all bolts previously removed. Replace re-worked clutch shield and tighten the two mounting bolts, making certain Loader pump drive belt has adequate clearance through cutout portion of clutch shield. This cutout portion must be to the R.H. Side of the Tractor.



MOUNTING INSTRUCTIONS

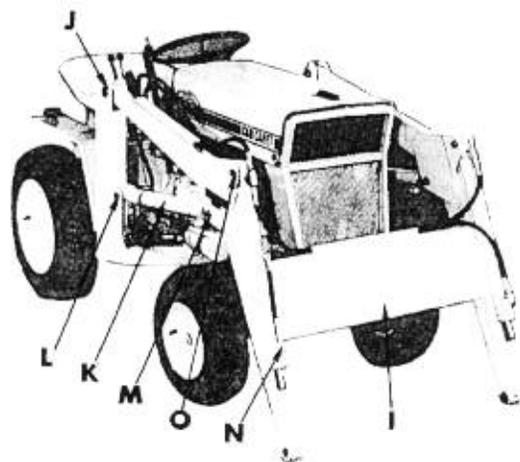
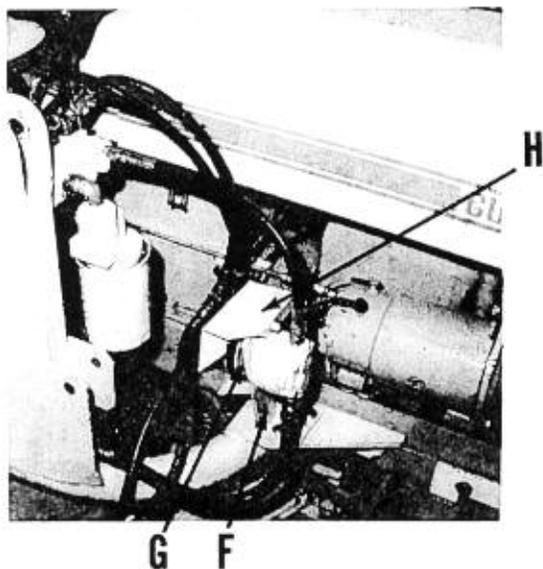


Mount the R.H. stabilizer bracket (Fig. A) over the front axle as shown, using (2) $\frac{1}{2}$ x $1\frac{1}{4}$ bolts. The bracket must have the bent portion going in between the top of the axle and the bottom of the frame. The existing weld nut inside the Tractor frame will be used for the rear mounting hole of the stabilizer bracket. The front of the bracket will use (1) lockwasher and hex nut. The L.H. stabilizer bracket is mounted in the same manner.

Mounting of the R.H. side frame (Fig. B) is as follows. Slide rear of R.H. side frame under Tractor and back toward rear axle far enough to allow front of side frame clearance to pass tire as front of side frame is moved in and up to Tractor mounting holes. (Note The Following). For Models 70, 71, 100, 102, 122 & 123 use of the fourth hole back on the Tractor frame, and on Models 72, 104, 105, 124 & 125 the fifth hole back (Fig. C), should, for easier mounting, be the first mounting point. Use (1) $\frac{1}{2}$ x $1\frac{1}{4}$ capscrew with (1) $\frac{1}{2}$ lockwasher and $\frac{1}{2}$ hex nut to hold front of side frame in place as rear of side frame is raised to come in contact with bottom of rear axle. The rear of side frame is held to axle using (1) tie plate on top of rear axle (Fig. E) and (2) $\frac{1}{2}$ x $3\frac{3}{4}$ capscrews, $\frac{1}{2}$ lockwashers and $\frac{1}{2}$ hex nuts. The front of the side frame on Tractor Models 70, 71, 100, 102, 122 & 123 should at this time have (1) $\frac{1}{2}$ x $1\frac{1}{4}$ capscrews, $\frac{1}{2}$ lockwasher and $\frac{1}{2}$ hex nut inserted in the second mounting hole of the side frame (Fig. D). On Models 72, 104, 105, 124 & 125 the existing shoulder bolt should be used in the front hole, in place of the previously mentioned $\frac{1}{2}$ capscrew, lockwasher and hex nut. The L.H. side frame is mounted in the same manner.

MOUNTING INSTRUCTIONS

The pump mounting bracket assembly (Fig. F) is mounted into position as shown with (2) $\frac{1}{4}$ x $1\frac{1}{4}$ carriage bolts, flat washers, lockwashers and hex nuts. The previously mentioned carriage bolts are inserted from the top of pump bracket mounting holes and pass through the slots in the R.H. side frame. (NOTE). The flat washers mentioned in the mounting of the pump bracket assembly must be against the bottom of the slots in the side frame in order to properly hold bracket in place. The pump bracket assembly should be loose enough to slide in toward Tractor as far as possible in order to position drive belt over pulley (Fig. G). Before drive belt can be positioned in pump pulley groove, the $\frac{1}{4}$ x $\frac{3}{4}$ capscrew in bottom of belt guard (Fig. H) should be removed to allow guard to be pulled out at bottom far enough to allow belt to pass between guard and pulley. Guard should now be secured back with previously removed $\frac{1}{4}$ x $\frac{3}{4}$ capscrew. Belt will be tightened in a later step.

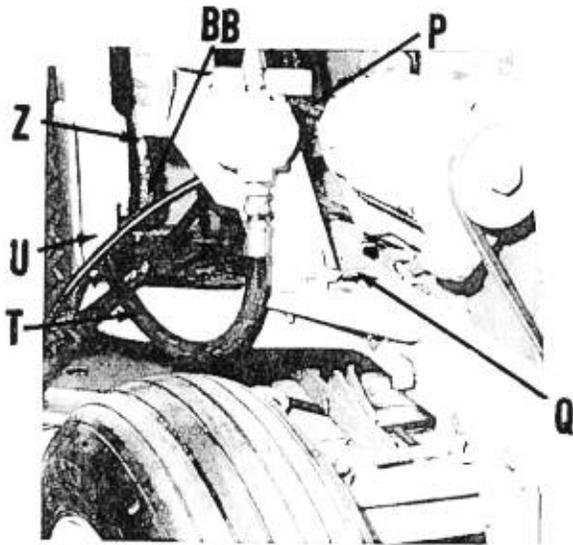


The "H" frame (Fig. I) is now mounted as shown, using (2) 1 x $2\frac{3}{4}$ clevis pins (Fig. J) and (2) $\frac{3}{8}$ x 2 cotter pins. Clevis pins should be inserted with the head to the outside.

All side frame mounting bolts should now be tightened securely, making certain the side frame tubing is clear of the rear tires. The pump drive belt (Fig. P) is adjusted by turning adjustment bolt (Fig. Q) until bolt pushes against Tractor frame moving pump assembly away from Tractor causing belt to become tight. Once belt has become tight enough to drive hydraulic pump, the jam nut on the adjustment bolt and the (2) carriage bolts mounting the pump brackets to side frame, may be made secure. (CAUTION) DO NOT DRIVE PUMP AT THIS STAGE.

Remove bolt (Fig. R) from Tractor and mount hose bracket (Fig. S) as shown with previously removed bolt. This bolt can be securely tightened at this time.

MOUNTING INSTRUCTIONS



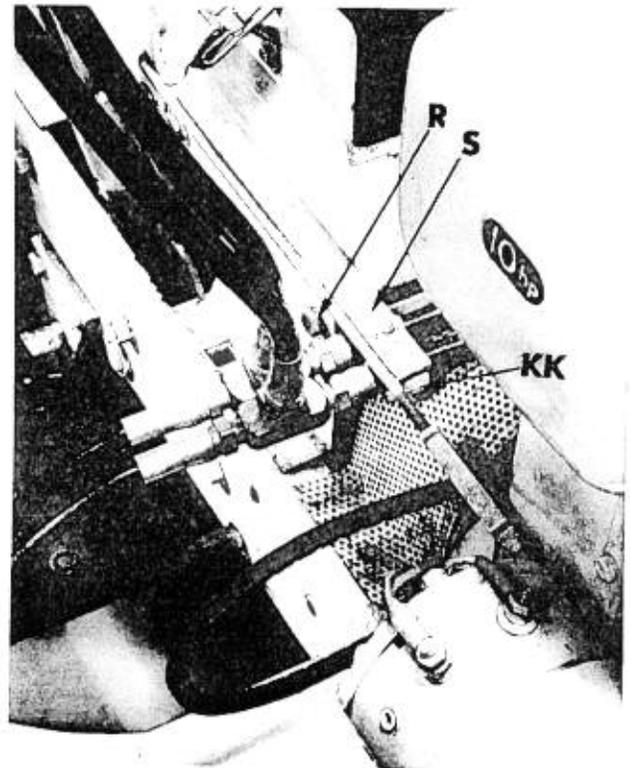
Connect a 16" hose (Fig. T) from reservoir outlet (Fig. U) to pump inlet port (Fig. V).

Connect a 15½" hose (Fig. W) from filter top port (Fig. X) to the fitting in the "IN" port of the valve (Fig. Y).

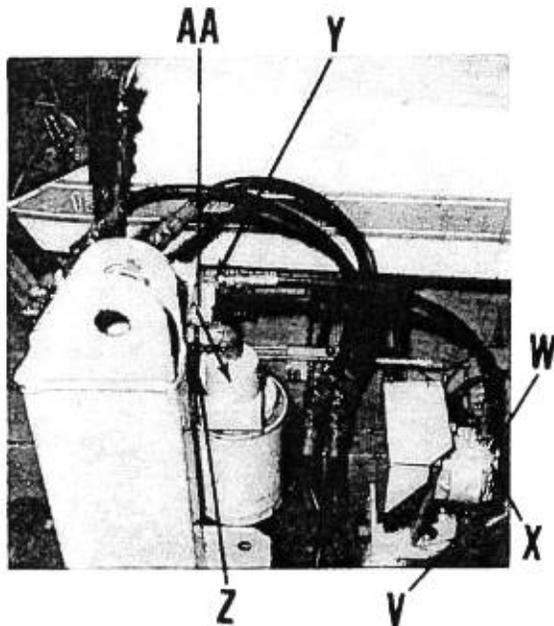
Connect a 14¼" hose (Fig. Z) from the inlet port of the filter housing (Fig. AA) and connect the other end to the 90° elbow (Fig. BB) inside the R. H. side frame.

Each lift cylinder (Fig. K) is mounted to each side frame using (1) ½" x 3" capscrew and lock nut (Fig. L). Position barrel end of cylinder to side frame with ports on cylinders facing down. The shaft end of cylinder is mounted to "H" frame with (1) ½" x 2¼" capscrew and flex nut (Fig. M).

Each dump cylinder (Fig. N) is mounted barrel end to "H" frame with (1) ½" x 2¼" capscrew and lock nut (Fig. O). Ports on dump cylinders are to be positioned up.



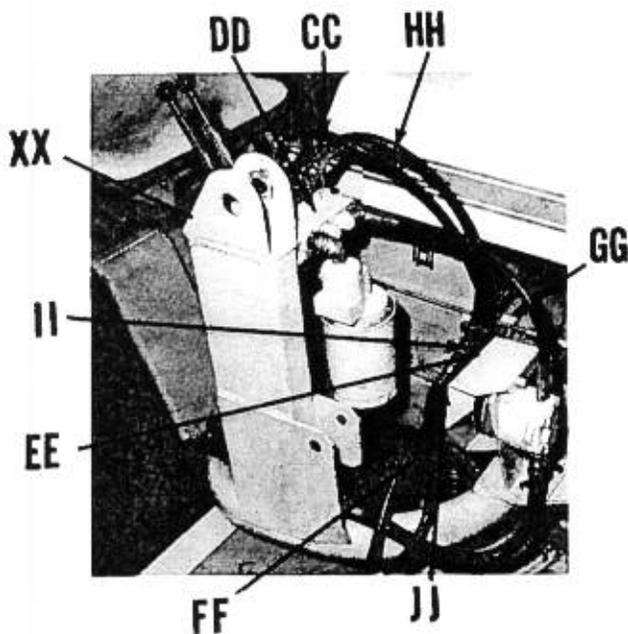
MOUNTING INSTRUCTIONS



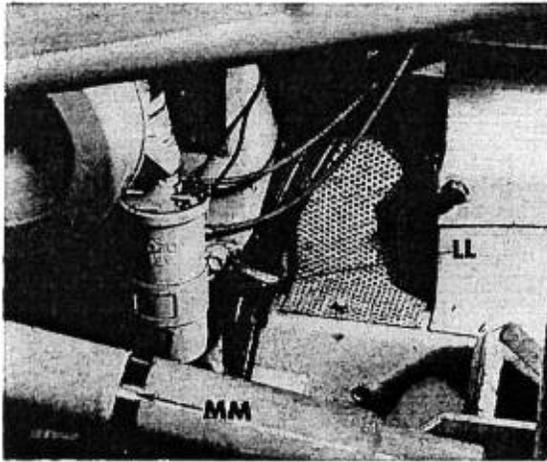
Connect one end of a 22½" hose (Fig. CC) to the 45° fitting in port "A" of the hydraulic valve (Fig. DD). Connect the opposite end of this hose to the center port of a tee (Fig. EE) making certain the other two ports are positioned perpendicular with Tractor frame. From the RH port of this tee just joined connect one end of a 24½" hose (Fig. FF) and connect the other end to the front port of the RH lift cylinder. From the LH port of the tee just joined (Fig. EE) connect the straight end of a 39" hose (with swivel) (Fig. GG). The swivel end of this same hose must be routed through the opening in back of engine and connected to the front port of the LH lift cylinder.

Connect one end of a 21" hose (Fig. HH) to the 45° fitting in the "B" port of the valve (Fig. DD). Connect the opposite end of this hose to the center port of a tee (Fig. II) making certain the other two ports are positioned perpendicular with Tractor frame. From the RH side of this tee just joined, connect one end of a 16" hose (Fig. JJ) and the other end to the rear port of the RH lift cylinder. From the LH port of the tee just joined (Fig. II) connect the straight end of a 30" hose. The swivel end of this hose must be routed through the opening in back of the engine and connected to the rear port of the LH lift cylinder.

The two hose routed through the Tractor are held in position on the RH side by the "U" hose clamp (Fig. KK) and (1) ¼ x 1¼ carriage bolt, lock washer and hex nut. The "U" hose clamp is positioned from the bottom (Fig. KK) with the ¼ x 1¼ carriage bolt going up and between the two hose. These two hose are retained on the LH side with a hose clamp (Fig. LL).



MOUNTING INSTRUCTIONS

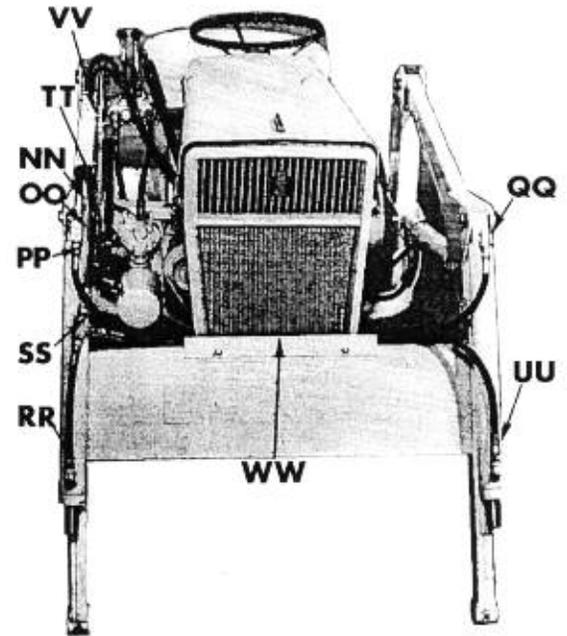


The two hose (Fig. FF) and (Fig. JJ) are each held to the lift cylinder by a hose clamp (Fig. MM).

Connect a 39" hose (Fig. NN) to the tee fitting (Fig. OO) in the rear port of the RH dump cylinder. The other end of this hose is connected to the 45° fitting in the "C" port of the valve. From the opposite end of the tee just joined, connect the male end of a 42½" hose (Fig. PP). The other end of this hose is connected to the fitting in the rear port of the LH dump cylinder (Fig. QQ).

Connect the straight male end of a 10" hose (Fig. RR) to the front port of the RH dump cylinder. To the other end of this hose connect a tee (Fig. SS) making certain the center port of this tee is pointing in toward Tractor. From the opposite end of tee just joined, connect one end of a 43" hose (Fig. TT). Connect the other end to the 45° fitting in port "D" of the valve. Connect the male straight end of a 39" hose (Fig. UU) to the front port of the LH dump cylinder and connect the other end (swivel end) into the center port of the tee (Fig. SS).

The two hose (Fig. NN) and (Fig. TT) are held on top of the "H" frame with a hose bracket (Fig. VV) and (2) ¼ x ½ self tapping screws.



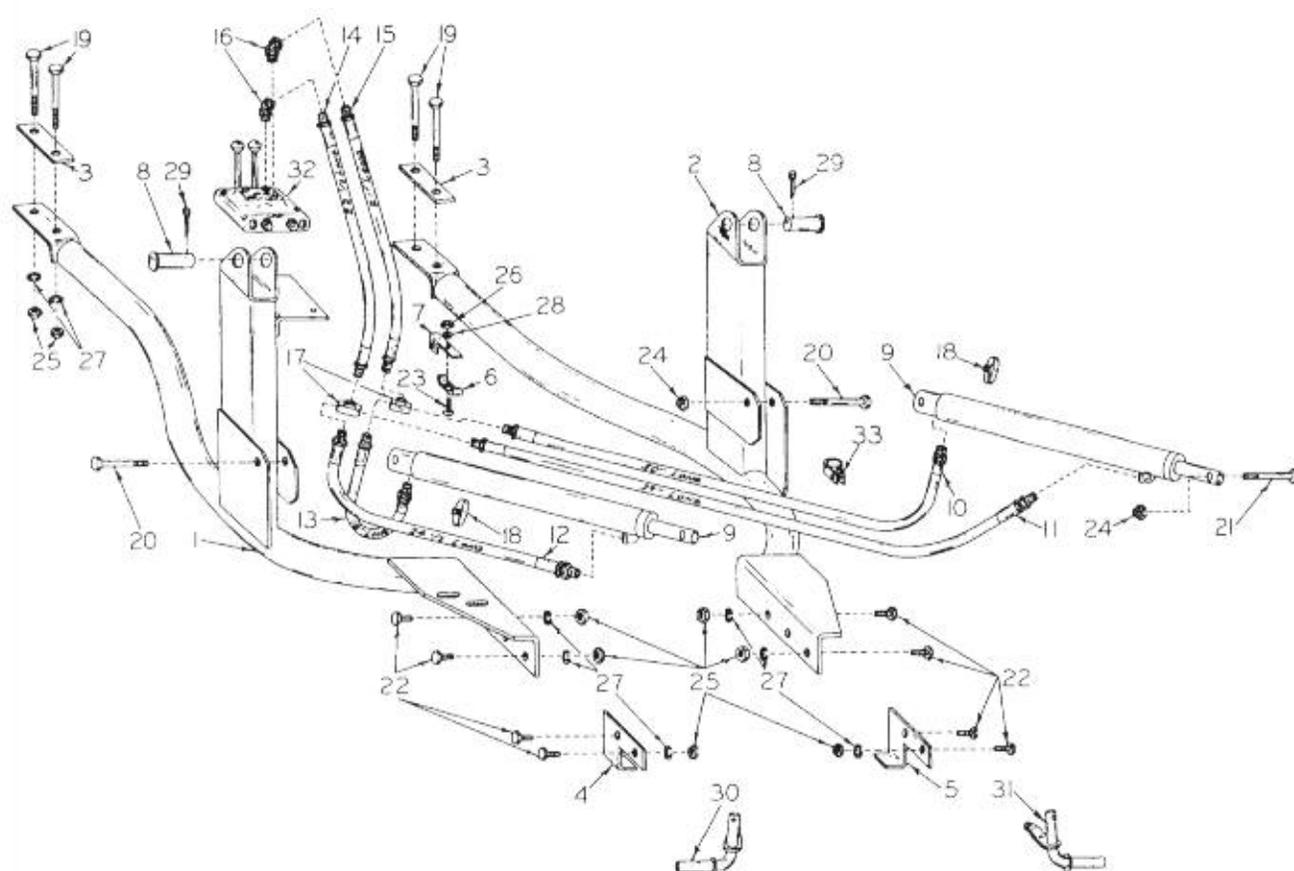
The two hose (Fig. PP) and (Fig. U) are held in place on top of cross member by a hose bracket (Fig. WW) and (2) ¼ x ½ self tapping screws.

Thoroughly check to see that all bolts and hydraulic connections are tight.

The work bucket or other attachments are positioned on "H" frame with (2) 1" x 2¼" clevis pins and 3/16 x 2 cotter pins.

Remove the plug (Fig. XX) in top of reservoir (in RH side frame) and add (2) quarts hydraulic fluid. Start engine with Tractor in neutral. Raise and lower bucket several times, also working dump lever to fill all hydraulic lines with fluid. This will also bleed all air from the hydraulic system. Lower bucket to ground and return dump cylinder to normal position (retracted), and fill reservoir to within 4" from top. (CAUTION) DO NOT OVER FILL.

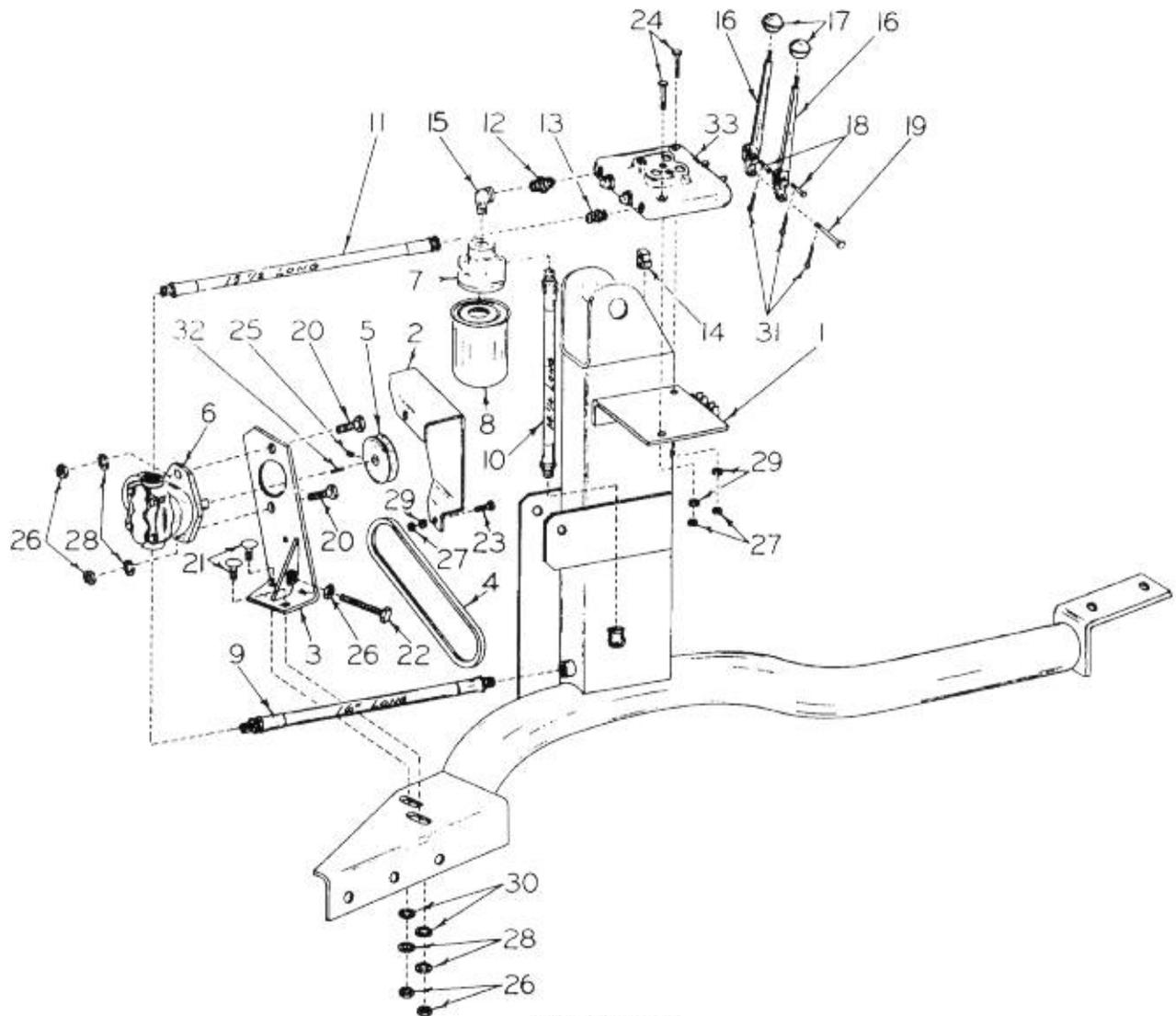
PARTS



PARTS LIST

Fig. No.	Part No.	Description	No. Req'd.	Fig. No.	Part No.	Description	No. Req'd.
1	4316	SIDE FRAME - RH (Reservoir Side)	1	18	4340	HOSE CLAMP	2
2	4317	SIDE FRAME - LH	1	19	1111-189	BOLT - 1/2 NC x 3-3/4 CAPSCREW	4
3	4337	TIE PLATE (Rear Axle)	2	20	1111-5	BOLT - 1/2 NC x 3 CAPSCREW	2
4	4334	STABILIZER BRACKET (RH)	1	21	1111-6	BOLT - 1/2 NC x 2-1/4 CAPSCREW	2
5	4335	STABILIZER BRACKET (LH)	1	22	1111-29	BOLT - 1/2 NC x 1-1/4 CAPSCREW	8
6	4345	HOSE "U" CLAMP	1	23	1111-264	BOLT - 1/4 NC x 1-1/4 CARRIAGE	1
7	4344	HOSE BRACKET	1	24	1112-50	NUT - 1/2 NC LOCK	4
8	1121-40	CLEVIS PIN	2	25	1112-5	NUT - 1/2 NC HEX	10
9	4331	HYDRAULIC CYLINDER (See Page 16 For Parts)	2	26	1112-14	NUT - 1/4 NC HEX	1
10	1810-73	HYDRAULIC HOSE 30" LONG	1	27	1113-5	WASHER - 1/2 LOCK	10
11	1810-66	HYDRAULIC HOSE 39" LONG (W/Swivel)	1	28	1113-20	WASHER - 1/4 LOCK	1
12	1810-71	HYDRAULIC HOSE 24-1/2" LONG	1	29	1124-12	COTTER PIN - 3/16 x 2	2
13	1810-70	HYDRAULIC HOSE 16" LONG	1	30	4164-R	SPINDLE - FRONT WHEEL - RH	1
14	1810-68	HYDRAULIC HOSE 22-1/2" LONG	1	31	4164-L	SPINDLE - FRONT WHEEL - LH	1
15	1810-69	HYDRAULIC HOSE 21" LONG	1	32	4167	HYDRAULIC VALVE (See Page 15 For Parts)	1
16	3537	UNION ADAPTOR - 45°	2	33	3084	HOSE CLAMP	1
17	3538	TEE - FEMALE	2				

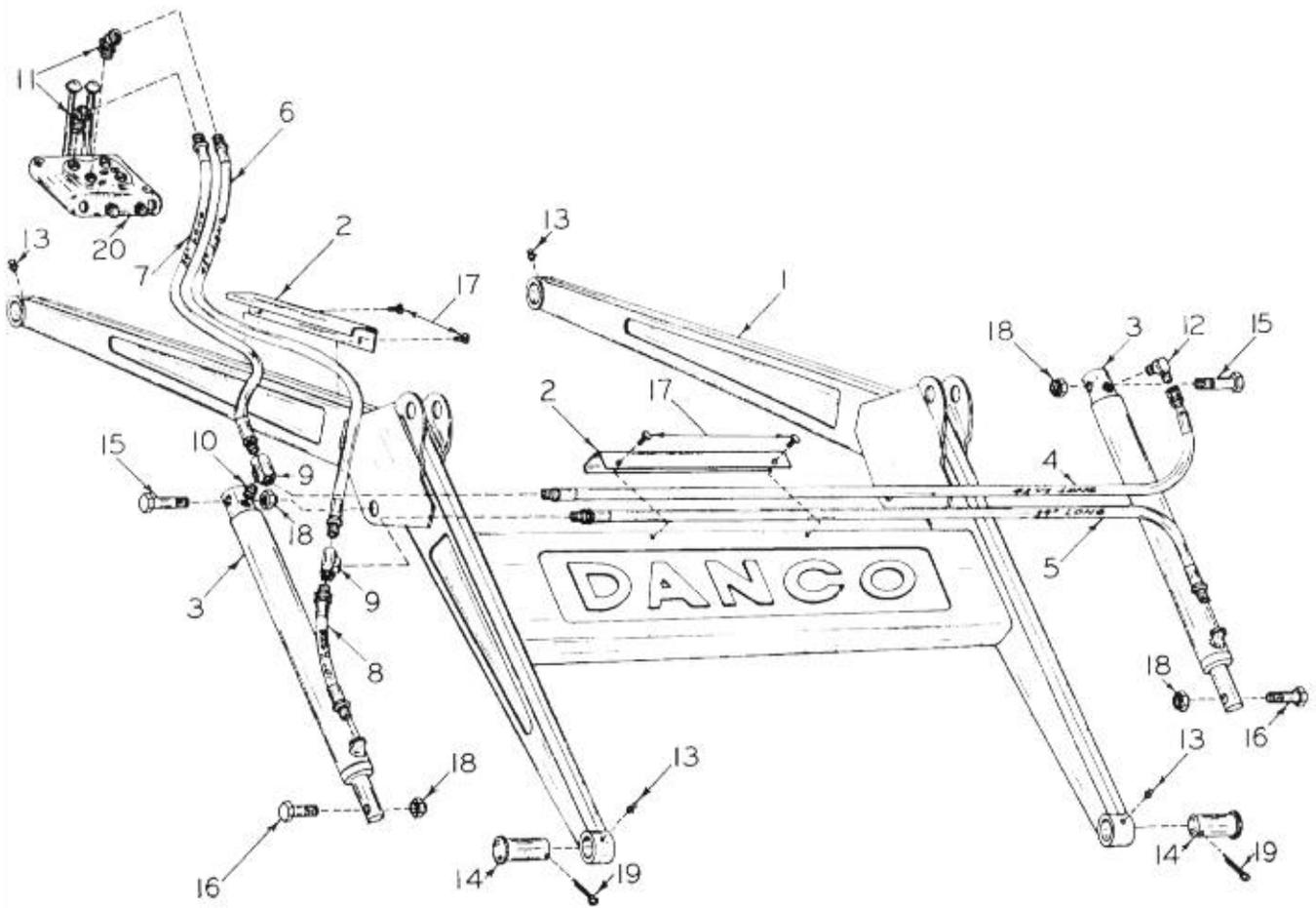
PARTS



PARTS LIST

Fig. No.	Part No.	Description	No. Req'd.	Fig. No.	Part No.	Description	No. Req'd.
1	4316	SIDE FRAME (Reservoir)	1	18	1121-38	CLEVIS PIN	2
2	4319	BELT GUARD	1	19	1121-39	CLEVIS PIN	1
3	4318	HYDRAULIC PUMP MTG. BRACKET	1	20	1111-96	BOLT - 3/8 NC x 1-1/4" CAPSCREW	2
4	1176-60	BELT - 3V315	1	21	1111-196	BOLT - 3/8 NC x 1-1/4" CARRIAGE	2
5	1177-34	SHEAVE - 3V - 3-1/2" OD	1	22	1111-263	BOLT - 3/8 NC x 3" CAPSCREW (All Thread)	1
6	4166	HYDRAULIC PUMP	1	23	1111-128	BOLT - 1/4" NC x 3/4 CAPSCREW	1
7	4333	OIL FILTER HOUSING	1	24	1111-85	BOLT - 1/4" NC x 2" CAPSCREW	2
8	4343	REPLACABLE CARTRIDGE - OIL FILTER	1	25	1111-183	BOLT - 5/16" NC x 1/4" SOCKET SETSCREW	1
9	1810-76	HYDRAULIC HOSE 16" LONG	1	26	1112-7	NUT - 3/8 NC HEX	5
10	1810-75	HYDRAULIC HOSE 14-1/4" LONG	1	27	1112-14	NUT - 1/4" NC HEX	3
11	1810-74	HYDRAULIC HOSE 15-1/2" LONG	1	28	1113-8	WASHER - 3/8 LOCK	4
12	4358	STRAIGHT THREAD BOX CONNECTOR w/O-RING	1	29	1113-20	WASHER - 1/4" LOCK	3
13	3214	STRAIGHT THREAD BOX CONNECTOR w/O-RING	1	30	1113-7	WASHER - 3/8 SAE	2
14	3700-10	BREATHER PLUG	1	31	1124-18	COTTER PIN - 3/32 x 1/2"	3
15	1821-6	STREET ELBOW - 90°	1	32	2741-212	KEY - 1/8" x 1/8" x 3/4"	1
16	4325	VALVE HANDLE	2	33	4167	HYDRAULIC VALVE (See Page 15 For Parts)	1
17	4326	PLASTIC KNOB	2				

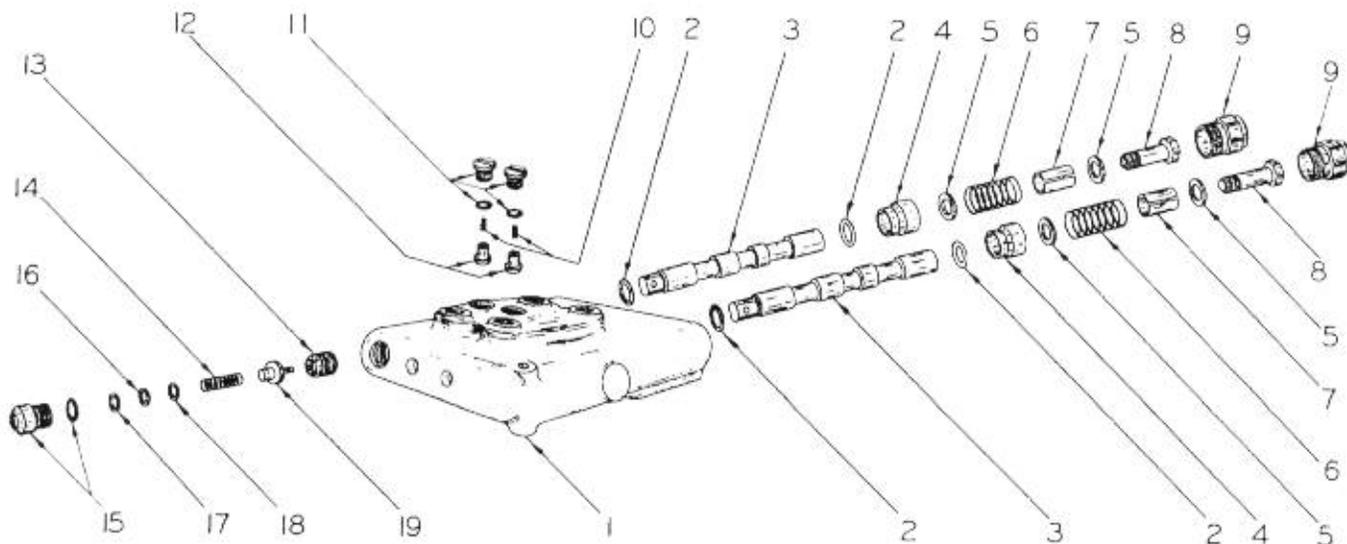
PARTS



PARTS LIST

Fig. No.	Part No.	Description	No. Req'd.	Fig. No.	Part No.	Description	No. Req'd.
1	4323	LIFT ASSEMBLY	1	11	3537	UNION ADAPTOR - 45°	2
2	4336	HOSE RETAINER BRACKET	2	12	4339	ELBOW ADAPTOR - 90°	1
3	4331	HYDRAULIC CYLINDER (See Page 15 For Parts)	2	13	1123-3	GREASE FITTING	4
4	1810-65	HYDRAULIC HOSE - 42-1/2" LONG	1	14	1121-40	CLEVIS PIN	2
5	1810-66	HYDRAULIC HOSE - 39" LONG (W/Swivel)	1	15	1111-177	BOLT - 1/2 NC x 2-3/4 CAPSCREW	2
6	1810-64	HYDRAULIC HOSE - 43" LONG	1	16	1111-89	BOLT - 1/2 NC x 2" CAPSCREW	2
7	1810-63	HYDRAULIC HOSE - 39" LONG	1	17	1111-256	BOLT - 1/4 NC x 1/2 SELF-TAPPING	4
8	1810-67	HYDRAULIC HOSE - 10" LONG	1	18	1112-50	NUT - 1/2 NC LOCK	4
9	3538	TEE - FEMALE	2	19	1124-12	COTTER PIN - 3/16 x 2	2
10	1821-23	CLOSE NIPPLE	1	20	4167	HYDRAULIC VALVE (See Page 15 For Parts)	1

PARTS

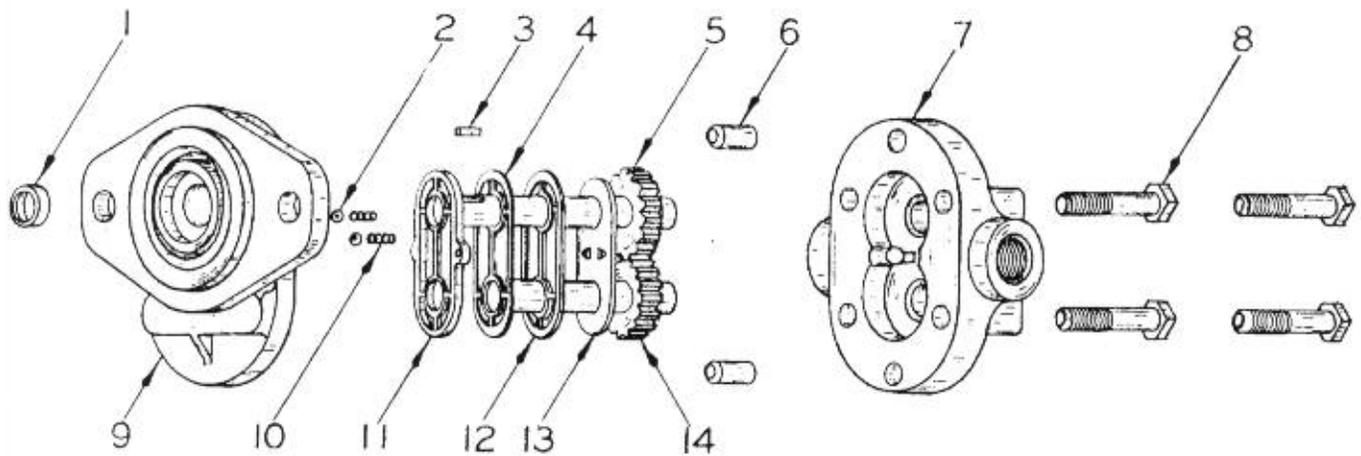


HYDRAULIC VALVE

PARTS LIST

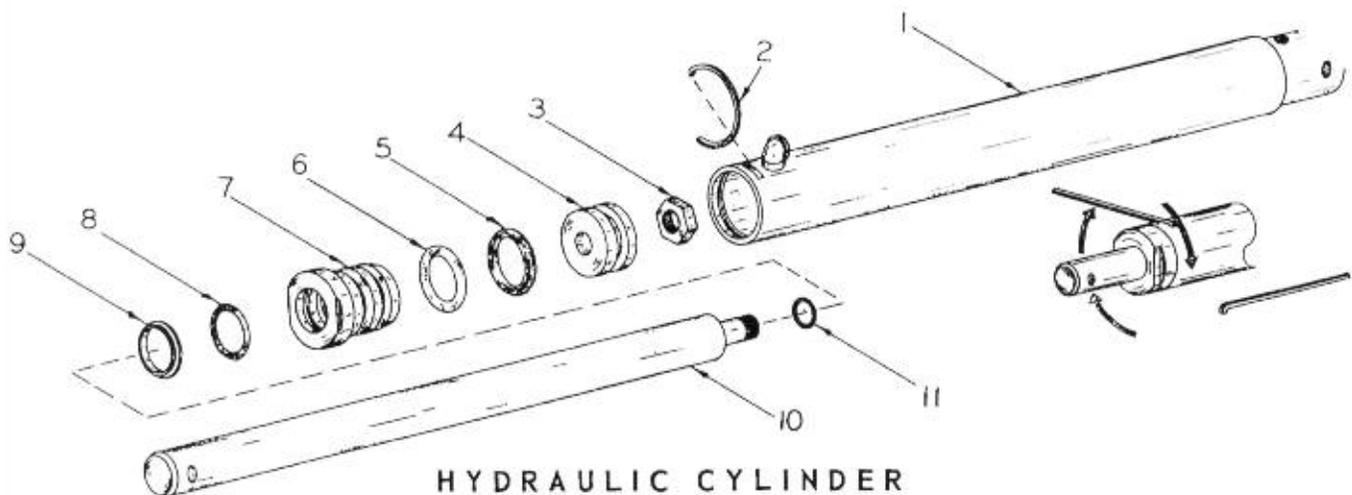
Fig. No.	Part No.	Description	No. Req'd.
	4167	HYDRAULIC VALVE, COMPLETE	
1	4167-1	BODY	1
2	4167-5	O-RING $\frac{3}{8}$ x $\frac{1}{2}$ ID	4
3	4167-2	SPOOL, D.A. STD.	2
4	4167-6	BUSHING	2
5	4167-7	WASHER, MISC., STEEL .625 OD	4
6	4167-8	SPRING, SPOOL CTR.	2
7	4167-9	SPACER, SPOOL	2
8	4167-10	SCREW, SPOOL	2
9	4167-3	CAP ASSEMBLY	2
10	4167-11	SPRING, LIFT CHECK	2
11	4167-12	PLUG ASSEMBLY, LIFT CHECK	2
12	4167-13	PLUNGER, LIFT CHECK	2
13	4167-14	SEAT	1
14	4167-15	SPRING (ORANGE)	1
15	4167-4	PLUG ASSEMBLY	1
16	4167-16	SHIM .015 THICK	As Req'd.
17	4167-17	SHIM .010 THICK	As Req'd.
18	4167-18	SHIM .035 THICK	As Req'd.
19	4167-19	POPPET	1
	4167-20	SEAL REPAIR KIT	1

PARTS



HYDRAULIC PUMP

Fig. No.	Part No.	Description	No. Req'd.	Fig. No.	Part No.	Description	No. Req'd.
	4166	HYDRAULIC PUMP, COMPLETE					
1	4166-10	SHAFT SEAL	1	8	4166-14	CAPSCREW ¼ - 20 H.T. 1¼ LONG	4
2	4166-12	STEEL BALL, ⅜ DIA.	2	9	4166-1	FRONT PLATE ASSEMBLY	1
3	4166-13	KEY, ⅜ SQ. x ½ LONG	1	10	4166-11	SPRING, CHECK	2
4	4166-7	PROTECTOR GASKET	1	11	4166-6	DIAPHRAGM SEAL	1
5	4166-3	DRIVE GEAR ASSEMBLY	1	12	4166-8	BACK-UP GASKET	1
6	4166-5	DOWEL PIN, ¼ DIA. x ½ LONG	2	13	4166-9	DIAPHRAGM	1
7	4166-2	HOUSING ASSEMBLY	1	14	4166-4	IDLER GEAR ASSEMBLY	1
	4166-15	SEAL REPAIR KIT	1				



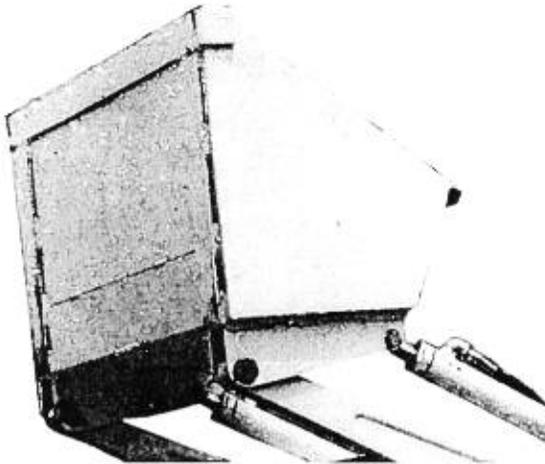
HYDRAULIC CYLINDER

Fig. No.	Part No.	Description	No. Req'd.	Fig. No.	Part No.	Description	No. Req'd.
	4331	HYDRAULIC CYLINDER, COMPLETE					
1	4331-1	BARREL ASSEMBLY	1	6	4331-6	O-RING HEAD	1
2	4331-2	LOCKING WIRE	1	7	4331-7	HEAD	1
3	4331-3	NUT-PISTON	1	8	4331-8	SEAL O-RING HEAD	1
4	4331-4	PISTON	1	9	4331-9	SHAFT SEAL	1
5	4331-5	SEAL, O-RING, PISTON	1	10	4331-10	SHAFT	1
	4331-12	SEAL REPAIR KIT	1	11	4331-11	GASKET, PISTON	1

RD-2001 WORK BUCKET

Has two Cubic Foot Capacity. Used For Standard Loader Applications.

OVERALL DIMENSIONS: Length-34-3/4", Height-13-7/8", Depth-12-1/8".



MOUNTING INSTRUCTIONS

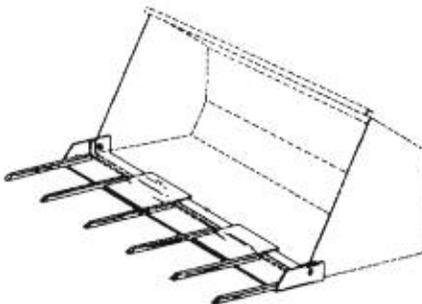
1. Insert the "H" Frame Arms into the Brackets on the back of the Bucket, and align the holes of the two parts.
2. Insert the Clevis Pins through both Brackets and secure with a Cotter Pin in each Clevis Pin.
3. With Hydraulic Cylinders in position on the "H" Frame, connect each Dump Cylinder to Bucket with 1/2" x 2" Bolts and Lock Nuts.

PARTS LIST

Part No.	Description
4322	Loader Bucket Assembly

RD-2005 TINE ATTACHMENT

CONVERTS WORK BUCKET INTO FORK BUCKET



NOTE:
WORK-BUCKET NOT INCLUDED
WITH ATTACHMENT

MOUNTING INSTRUCTIONS

1. Slide Attachment Fork in place with Bottom Plate of Loader Fork positioned below Bottom of Bucket with ends of Bottom Plate to the outside of Bucket.

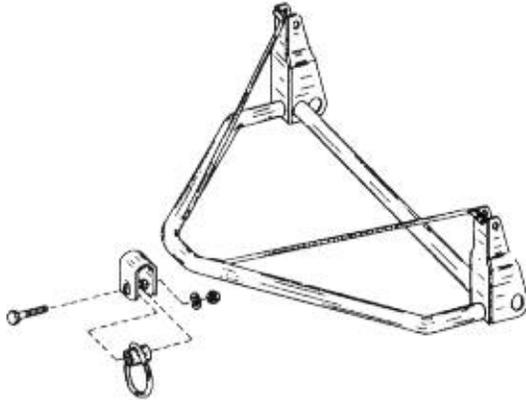
2. Align the three Mounting Holes in Bottom Plate of Fork with the Mounting Holes of Bucket.
3. Use three 3/8" x 1-1/4" Carriage Bolts, 3/8" Lockwashers and Hex Nuts to secure Fork Attachment to Bucket.

PARTS LIST

No. Req'd.	Part No.	Description
1	4321	Loader Fork
3	1111-196	3/8 x 1-1/4 Crg. Bolt
3	1112-7	3/8 Hex Nut
3	1113-8	3/8 Lockwasher

RD-2002 CRANE BOOM

Mounts quickly in place of the standard Work Bucket. Particularly suited for handling Barrels and other Chain Attached objects.



MOUNTING INSTRUCTIONS

1. Insert the "H" Frame Arms into the Brackets on the back of the Crane Boom, and align the holes of the two parts.
2. Insert the Clevis Pins through both Brackets and secure with a Cotter Pin in each Clevis Pin.

3. With Hydraulic Cylinders in position on the "H" frame, connect each Dump Cylinder to Crane Boom with $\frac{1}{2}$ " x 2" Bolts and Lock Nuts.
4. Position "U" Bracket over front of Crane Boom Tubing and place $\frac{1}{2}$ "x2 $\frac{1}{2}$ " Bolt through "U" Bracket and Spacer on Crane Link. Secure with $\frac{1}{2}$ " Nut and Lock Washer.

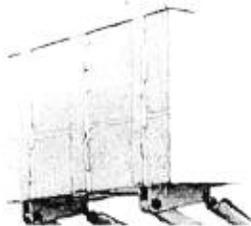
PARTS LIST

Part No.	Description	No. Req'd.
4346	Crane Boom	1
4347	Crane Link	1
4348	"U" Bracket	1
1111-22	$\frac{1}{2}$ " x 2 $\frac{1}{2}$ " Bolt	1
1112-5	$\frac{1}{2}$ " Hex Nut	1
1113-5	$\frac{1}{2}$ " Lock Washer	1

RD-2003 LIGHT MATERIAL BUCKET

Has a larger capacity than the Standard Work Bucket (8 Cubic Feet)
Ideal for Handling Snow and other Light Materials. Overall Dimensions:

Length 42 $\frac{1}{2}$ "
Depth 24"
Height 21"



MOUNTING INSTRUCTIONS

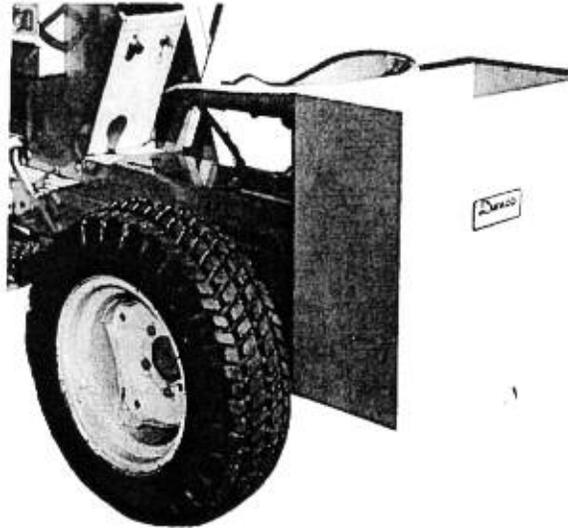
1. Insert the "H" Frame Arms into the Brackets on the back of the Bucket, and align the holes of the two parts.

2. Insert the Clevis Pins through both Brackets and secure with a Cotter Pin in each Clevis Pin.
3. With Hydraulic Cylinders in position on the "H" Frame, connect each Dump Cylinder to Bucket with $\frac{1}{2}$ " x 2" Bolts and Lock Nuts.

PARTS LIST

Part No.	Description
4338	Light Material Bucket

RD-2004 COUNTERWEIGHT BOX



MOUNTING INSTRUCTIONS

1. Remove Tractor Draw Bar and mount Counterweight Base Plate in same position utilizing Bolts which had previously been used to mount Draw Bar.
2. Top Support Plate is mounted beneath Tractor Seat Bracket. Secure with four Bolts provided in Kit. (5/16" x 1" for Models 102 and up or 3/8" x 1-1/4" for Models 70, 71 and 100. Plate must be positioned to fit against the underside of angle on Counterweight Box.
3. Secure Counterweight Box to Base Plate with one 1/2" x 1" Bolt inserted from beneath the Box.
4. Secure the Top Support to Angle on Box with 1/2" x 1-1/4" Bolts, Nuts and Lockwashers.

PARTS LIST

Part No.	Description
3119	Counterweight Box
3528	Base Plate
1111-169	1/2" NC x 1" Capscrew
3527	Top Support Plate
1111-29	1/2" NC x 1 1/4" Capscrew - 2-Req'd
1112-5	1/2" NC Hex Nut - 2-Req'd
1113-5	1/2" Lockwashers - 2-Req'd
1111-27	5/16" NC x 1" Capscrew - 4-Req'd (Models 102 and Up)
1111-96	3/8" NC x 1 1/4" Capscrew - 4-Req'd (Models 70, 71 & 100)

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AGAINST AN ACCIDENT

— National Safety Council.



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QTY.	PART NUMBER	DESCRIPTION		PRICE	AMOUNT
1		Model RD-2000 Danco Cadet Loader SN# 2239 w/ bucket			\$600.00
				TAX	30.00
					<u>630.00</u>

Paul
[Signature]

All claims and returned goods MUST be accompanied by this bill

554 05

A 1689

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