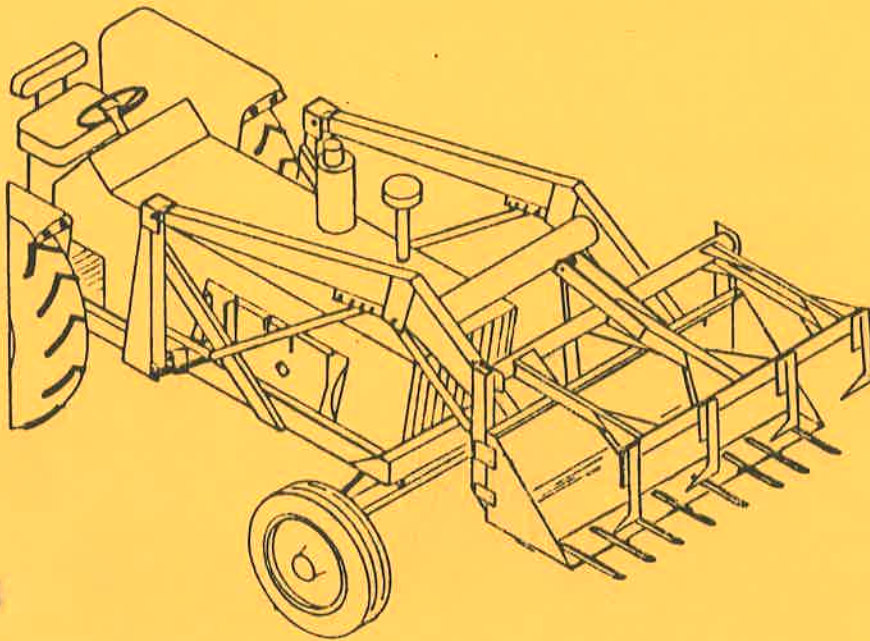


Ezee-On



*New book
in manual*

Models
602 - 722 - 842 - 962

GRAPPLE FORK

OWNER MANUAL

AND

PARTS LIST

Manufactured
By

EZEE - ON MFG. LTD.

Vegreville, Alberta
Canada

INTRODUCTION

This manual is made available for you as a handy reference and contains instructions for setting up, along with a complete parts list.

READ THIS BOOK CAREFULLY TO INSURE THAT YOUR NEW GRAPPLE FORK IS ASSEMBLED PROPERLY.

Right and left is determined by standing behind the machine and facing forward in the direction of travel.

EZEE-ON reserves the right to make changes in model or specifications without any obligation as to replacement or modification in previous machines.

MODEL NO. DEFINITION

602	-	fits 60" bucket of 80-90-100-120-125 Loaders
722	-	fits 72" bucket of 80-90-100-101-110-115-120-125 Loaders
842	-	fits 84" bucket of 80-90-100-101-110-115-120-125 Loaders
962	-	fits 96" bucket of 90-100-101-110-115-120-125 Loaders

INDEX

ASSEMBLY INSTRUCTIONS	-----	Page 3
GRAPPLE FORK PARTS LIST	-----	Page 6
CYLINDER PARTS LIST	-----	Page 8

1. Install 2 grease fittings in frame assembly and install 2 grease fittings in the hydraulic cylinders.
2. For Model 80-90-100-101-120-125- See ILL. 1. - Locate cylinder lug assembly, arrow 5, at the rear and centre of bucket with height set at 2-3/4" from bottom of bucket to centre of cylinder pin hole. Mark location of hole on bucket and drill 6- 1/2" diameter holes. Bolt cylinder lug to bucket with 6 1/2" x 1-1/4" bolts, c/w nuts and lockwashers.

For Model 110-115 - See ILL.2 - Locate cylinder lug, arrow 5, at the rear and centre of bucket with height set at 3-1/4" from bottom of bucket to centre of cylinder pin hole. Mark location of hole on bucket and drill 6 - 1/2" diameter holes. Bolt cylinder lug to bucket with 6 - 1/2" x 1-1/4" bolts, c/w nuts and lockwashers.

3. For Model 80-90-100-101-120-125 - See ILL. 1. - Locate right and left support assembly, arrow 1, at each end of bucket. Position each support at rear of bucket with bearing tubes at front and facing inward. Set height at 37-1/4" from bottom of bucket to centre of tie rod hole. Mark location of hole for holes on bucket and drill 12- 1/2" diameter holes.

For Model 110-115 - See ILL. 2 - Locate right and left support assembly, arrow 1, at the each end of bucket. Position each support at rear of bucket with bearing tubes at front and facing inward. Set height at 38-1/4" from bottom of bucket to centre of tie rod hole. Mark location of hole for holes on bucket and drill 12 - 1/2" diameter holes.

4. See ILL. 1 & 2 Place tie rod, arrow 3, in pivot tube of frame assembly, arrow 2.
5. See ILL. 1 & 2 Grease bearing tubes of support assemblies, arrow 1.
6. See ILL. 1 & 2 Insert bearing tubes of left and right support assemblies, arrow 1, into each end of pivot tube on frame assembly, arrow 2, with the tie rod, arrow 3, being threaded through holes in support assemblies. See ILL. 1. for proper frame position. Install 1 - 1/2" nut and lockwasher at each end of tie rod. Tighten tie rod nuts so that frame assembly will be able to pivot on support assemblies. Bolt support assemblies to bucket with 10 - 1/2" x 1-1/2" bolts c/w nuts and lockwashers and 2 1/2" x 1 1/4" bolts c/w nuts and lockwashers.

7. See ILLS. 1 & 2. Install hydraulic cylinder, arrow 6, with shaft end attached to cylinder arm of frame assembly and tube end attached to cylinder lug. Ports must be facing towards the rear.

TEETH INSTALLATION - SEE ILLS. 1 & 2.

- (a) Models 602-722 - Install 4 teeth, arrow 4, between angles at the frame assembly (see ILL. 1 for proper position). Bolt, using 4 - $\frac{1}{2}$ " x 2" bolts c/w nuts and lockwashers in the top holes and 4 - $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolts c/w nuts and lockwashers in the bottom holes.
- (b) Models 842-962 - Install 5 teeth, arrow 4, between angles at the front of the frame assembly (see ILL. 1 for proper position). Bolt, using 5 - $\frac{1}{2}$ " x 2" bolts c/w nuts and lockwashers in the top holes and 5 - $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolts c/w nuts and lockwashers in the bottom holes.
8. For Models 80-90-100-101-120-125 Loader. See ILL. 3. Install 2 oil lines, arrows 1 & 2, above existing oil lines on loader main frame. Secure lines in place by welding 2 retainers, arrow 3, over them. The retainers are positioned above existing oil line retainers (the ill. shown is for a Model 100 Loader, but the Models 80-90-101-120-125 Loaders have grapple oil lines installed the same way).

For Models 110-115 Loaders. See ILL. 4. Install 2 oil lines, arrows 1 & 2, on top of existing oil lines on loader main frame. Secure lines in place by welding 4 retainers, arrow 3, over them. The retainers are positioned on top of existing oil line retainers.

9. CONNECTING HYDRAULIC SYSTEM - SEE ILL. on PAGE 5.

- (a) Install 2 - $\frac{3}{8}$ " female swivel adapters, arrow 9, on the front end of grapple oil lines on loader.
- (b) For Models 80-90-100 -120-125 Loader - Connect 2 - $\frac{3}{8}$ " x 48" hydraulic hoses, arrow 8, to grapple cylinder and grapple oil lines. Use pattern shown in ILL. on Page 5.
- For Models 101-110-115 Loader - Connect 2 - $\frac{3}{8}$ " x 60" hydraulic hoses, arrow 8, to grapple cylinder and grapple oil lines. Use pattern shown in ILL. of Page 5.
- (c) Install 2 - $\frac{3}{8}$ " pipe couplings to rear of grapple lines and connect 2 long hoses to tractor hydraulic system.
10. Slowly using hydraulics, pivot grapple fork. Watch that no binding occurs between cylinder and back of bucket.

REAR MOUNTED GRAPPLE FORK PARTS LIST - ALL MODELS

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D.			
			602	722	842	962
1	LA1101 LA1102 LA1103 LA1104	60" Frame Assembly 72" Frame Assembly 84" Frame Assembly 96" Frame Assembly	1	1	1	1
2	LA1106	Cylinder lug assembly	1	1	1	1
3	LA1194	Support assembly R.H.	1	1	1	1
4	LA1195	Support assembly L.H.	1	1	1	1
5	L1155	Tie Rod - 60" Grapple	1	1	1	1
	L1156	Tie Rod - 72" Grapple		1		
	L1157	Tie Rod - 84" Grapple			1	
	L1139	Tie Rod - 96" Grapple				1
6	L1160	Tooth	4	4	5	5
7	164	2" x 18" hydraulic cylinder	1	1	1	1
8	H48	3/8" x 48 hyd. hose - Model 80-90-100-120-125	2	2	2	2
	H60	3/8" x 60 hyd. hose - Model 110 -115-101-	2	2	2	2
9	L29	3/8" female swivel adapter	2	2	2	2
10	L1056	Oil line retainer	2	2	2	2
11	L1053	Bottom oil line - Model 80 - 90 - 100 Loader	1	1	1	1
	L1096	Bottom oil line - Model 120 - 125 Loader	1	1	1	1
	L1198	Bottom oil line - Model 110 - 115 Loader	1	1	1	1
12	L1054	Top oil line - Model 80 - 90 - 100 Loader	1	1	1	1
	L1097	Top oil line - Model 120 - 125 Loader	1	1	1	1
	L1197	Top oil line - Model 110 - 115 Loader	1	1	1	1
13	L1	1" x 5-1/2" carriage head pin	2	2	2	2
<u>STANDARD HARDWARE</u>						
14		1/4" x 1-1/2" cotter pin	2	2	2	2
15		1/2" x 2" N.C. hex bolt	4	4	5	5
16		1/2" x 1-1/2" N.C. hex bolt	14	14	15	15
17		1/2" x 1-1/4" N.C. hex bolt	8	8	8	8
18		1/2" N.C. hex nut	28	28	30	30
19		1/2" lockwasher	28	28	30	30
	10GN1	Grease Nipple 1/4" x 28	4	4	4	4

Look in Manual for New look.

*1/2" x 2" N.C. hex bolt
1-1/4" x 3/8" N.C. hex nut
1/2" lockwasher*

CYLINDER PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CYLINDER CODE NO.
			164 QTY. REQ'D.
1	20TU26	Tube Assembly 2" x 18"	1
2	10SH32	Shaft 1½" x 18"	1
3	10OR9	O-Ring	1
4	20FP1	Filler Plate	1
5	20CU1	Cup	2
6	20BP1	Back-up Plate	1
7	10SW1	Star Washer	1
8	10NU1	Nut 3/4" N.F.	1
9	20HP8	Head Plate	1
10	10OR4	O-Ring	1
11	10RS5	Rod Seal	1
12	10WS5	Wiper Seal	1
13	10GN1	Grease Nipple	2
14	20FP2	Filler Plate	1
	10EL1	Elbow (on tube assembly)	1

CYLINDER SEAL KIT

KIT NO.	CONTENT		
2012N5	2	-20CU1	cups
	1	-10OR9	O-ring
	1	-10OR4	O-ring
	1	-10RS5	Rod Seal
	1	-10WS5	Wiper Seal

Manufacturer's Warranty

EZEE-ON warrant each new product of EZEE-ON manufacture when properly assembled, adjusted and operated, to be free from defects in materials, and/or workmanship under normal use for which it was intended, for a period of one year from date of purchase. EZEE-ON's obligation under this warranty is limited to repairing or replacing, F.O.B. EZEE-ON factory, any part or parts which are reported in writing, giving all details by the Dealer, within 30 days from date of failure thereof, and which EZEE-ON's inspection shall disclose to have been defective. This does not include installation, oil, freight, or any other charges. In no event will EZEE-ON assume any responsibility for consequential damages to tractors or any other equipment. EZEE-ON shall not be liable for any damages of any nature or source resulting from defects in materials or workmanship and/or loss of use of said equipment. EZEE-ON make no warranty on allied parts which are not manufactured by EZEE-ON. The warranty set forth herein shall be void if any part or parts not manufactured or supplied by EZEE-ON, are used in the assembly or repair of the implement manufactured by EZEE-ON. This warranty is void if equipment is modified, altered, cut up, re-welded, or used for purposes not intended for. This warranty is void if used for other purposes than agricultural.

REMEMBER!!

**ONLY YOU CAN
PREVENT ACCIDENTS.**

