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OPERATOR'S MANUAL & PARTS LIST

No. P-217
(985631)

NEW IDEA
FARM EQUIPMENT CORPORATION

Model 327 HUSKING UNIT
For 324 and 325 Gathering Units



For the Dealer and Operator

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NEW IDEA
FARM EQUIPMENT CORPORATION
COLDWATER, OHIO U.S.A. 45828

OPERATING AND ADJUSTING (Cont'd)

Corn Saver Conveyor Chain and Husking Roll Tension



Figure 10

Figs. 10 and 11 - Corn saver conveyor chain "A" (Fig. 10) should be adjusted so that when a flight is lifted at the middle of the conveyor, it can be raised from 1-1/2 to 2". To adjust it, drive chain "B" will have to be loosened first. Then loosen all bolts in bearing housings "C" (both sides). Adjust conveyor tightener bolts "F" to the tightness described above. Tighten all bolts. Readjust drive chain "B".

The upper husking rolls are held against the lower rolls by spring tension as shown at "D", Fig. 11 (up-



Figure 11

per and lower ends). This tension can be increased or decreased by adjusting rods "E" (Fig. 10).

Turn counter clockwise to increase tension and clockwise to decrease it.

Sufficient tension must be maintained so the shucks are pulled from the ears. If sufficient tension cannot be attained, check to see if any parts are broken and that cotter pins are in place next to springs "D" (Fig. 11) on both the upper and lower rods.

Wagon Elevator Drive Chain and Clutch



Figure 12

Fig. 12 - To adjust this drive chain, loosen bolt in chain slide "F" and adjust slide to the point where the chain will not whip or jump teeth on the sprockets. Tighten bolt.

Clutch "G" protects the wagon elevator, should it slip for no apparent reason, more tension should be applied to the clutch spring.

Wagon Elevator Throwout Clutch and Drive Chain

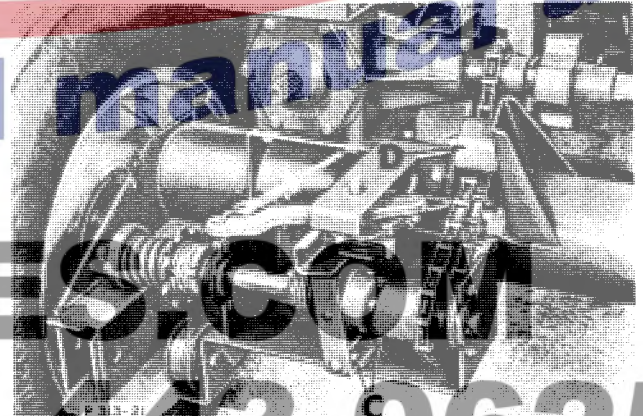


Figure 13

Fig. 13 - To adjust the wagon elevator throwout clutch, loosen bolts "C" and reposition the throwout assembly so that when the clutch is out of gear the jaws on the clutch do not make contact. Tighten bolts.

Adjust chain slide "D" to the point where the chain will not whip or jump teeth on sprockets.

WHEN ORDERING REPAIR PARTS

1. Order from your New Idea Dealer.
2. Be sure to give Part Number and Description as it is written in the list accompanying each illustration of parts. (Do Not use Key Numbers when ordering parts.)
3. Please give Lot and Serial Number of Machine. It is to be found on a metal plate on the left rear corner of the husking bed wall, and may be recorded in the box provided immediately below.
4. Be specific regarding shipping information.
5. Specify if part required is for use on left or right side of the husking unit. Determine by standing at rear of husking unit and looking in the direction of travel.
6. Part used column tells if more than one of part is used.

NEW IDEA
COLDWATER, OHIO 45828, U.S.A.

LOT No. _____

SERIAL No. _____

Enter Lot and Serial number here
for future reference.

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Key	Part No.	Description	Used
24	2612 P	Compression spring, 2-1/2" O.D. x 3-3/4" long, 6 coils	1
25	K 965	Washer, hardened, 1-1/4" I.D. x 2-9/16" O.D. x 5/32" thick	1
26	118 PM	Slip clutch nut, 1"	1
27	010246	Cotter pin, 1/4 x 2-1/4"	1
28	305530	Auger and earforwarder drive chain, 1-1/4" extended pitch consisting of 84 total pitches, 83 riveted type and one connector link, (order K 4622A)	1
	K 4622A	10 ft. section, 1-1/4" extended pitch chain, 97 pitches, 96 riveted type and one connecting link	
	K 2569A	Connector link, 1-1/4" pitch A2050	
	K 2568	Roller link, 1-1/4" pitch, A2050	
	K 2570	Offset link, 1-1/4" pitch A2050	
	K 3723	Spring clip	
29	K 4169	Roll pin, 5/16 x 1-5/8"	

WAGON ELEVATOR



Key	Part No.	Description	Used
1	302704	15-tooth sprocket, 1" bore for RC-2050 chain	1
2	011256	Woodruff key, No. 13, 3/16 x 1" long	2
3	K 2809	Locking collar, 1" bore	1
4	010246	Cotter pin, 1/4 x 2-1/4"	1
5	K 2624	Set screw, 3/8 x 5/16" cup point allen head	1
6	K 2753	Bearing ball, 1" I.D. x 2" O.D.	2
7	K 3169	Roll Pin, 5/16 x 1-3/4"	1

WAGON ELEVATOR (Cont'd.)

Key	Part No.	Description	Used
8	300664	6-tooth sprocket for No. 62 chain 1" bore keyway	1
9	302702	Wagon elevator boot	1
	013987	Machine screw, 5/16 x 5/8"	10
10	300662	Lower bearing housing	1
	013581	Machine bolt, 3/8 x 3/4"	6
11	302703	Wagon elevator lower shaft, 1" dia., 15-23/32" long	1
12	302697	Wagon elevator trough assembly	1
	305767	Wagon elevator assembly complete, less chain	1
13	302709	Hopper end sheet	1
	013987	Machine screw, 5/16 x 5/8"	16
14	305961	Strip 1" x 23" x 1/8"	1
15	302710	Hopper seal, 5/16" thick x 23-1/8" long, 1-5/8" flat	1
	013988	Machine screw, 5/16 x 3/4"	5
16	302705	Inner hopper sheet assembly	1
	013987	Machine screw, 5/16 x 5/8"	10
17	305561	Wagon elevator cable, 5/16" wire x 154" long	1
18	K 2772	Thimble for 5/16" cable	1
19	K 2099	5/16" cable clamp	2
20	300688	Wagon elevator chain assembly, #62 chain, 154 plain links, 16 - 62 SHG attachment links and one connector link. Make up as follows, 4 plain links followed by 1 attachment link followed by 10 plain links, then 1 attachment link followed by 10 plain links for 10 consecutive times, then 1 attachment link followed by 9 plain link for 4 consecutive times, then 1 attachment link followed by 4 plain links and 1 coupler link	1
	300995	Flight assembly with attachment link	16
	300993	Wagon elevator flight	16
	300994	Flight stiffener	16
	013272	Rivet, 1/4 x 7/8" truss head shouldered	32
	013273	Rivet, 1/4 x 1" truss head shouldered	32
	62 SHG	Attachment link	16
21	010210	Cotter pin, 3/32 x 3/4"	1
22	62	Coupler link complete	1
	62	Plain link	154
23	K 3859	Coupler link pin, 11/32 x 2-7/32"	1
24	T 760	Wire clip, 3/16"	1
25	305958	Ear deflector rope, 1/4" dia., 24' long	1
26	305534	Hopper end sheet assembly	1
	013986	Machine screw, 5/16 x 1/2"	10
27	302690	Elevator door assembly	1
	013988	Machine screw, 5/16 x 3/4"	3
28	02884 PM	Hopper door hinge	1
	013090	Rivet, 1/4 x 3/8"	3
29	305580	Spacer, 1" wide, 15" long, 1/16" thick	1
	013988	Machine screw, 5/16 x 3/4"	1
30	303579	Angle, 7/8 x 1-3/8 x 12-1/2" long	1
	013992	Machine screw, 5/16 x 1-1/4"	2
31	303540	Bale assembly	1
32	010231	Cotter pin, 3/16 x 1-1/2"	2
33	1498 S	Washer, 1-3/32" I.D. x 2" O.D. x 1/8" thick	2
34	300668	Hood assembly, right hand	1
	013986	Machine screw, 5/16 x 1/2"	7
35	010214	Cotter pin, 1/8 x 3/4"	2
36	0210 PM	Spacer rod, 3/8" dia., 11-3/16" long	1
37	0211 PM	Shield upper elevator shaft	1
38	015876	Carriage bolt, 7/16 x 4"	2
39	K 2692	Set screw, 1/4 x 1/4 cup point allen head	2
40	K 3301	Locking collar, 7/8" I.D.	1
41	303881	6 tooth idler sprocket, for No. 62 chain, includes sprocket, bearing and snap ring	1
42	K 3300	Bearing ball, 7/8" I.D.	1
43	K 1820	Snap ring, internal	1
44	0212 PM	Shaft upper, 7/8" dia., 12-1/2" long	1
45	300674	Hood bracket assembly	1
	013996	Machine screw, 3/8 x 1/2"	8
46	010544	Spring extension - 5/64 wire - 55 coils - 6" long	2
47	300677	Corn deflector assembly	1
	013583	Machine bolt, 3/8 x 1"	2
48	K 3004	Washer, 13/32" I.D. x 13/16" O.D. x 1/16" thick	2

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