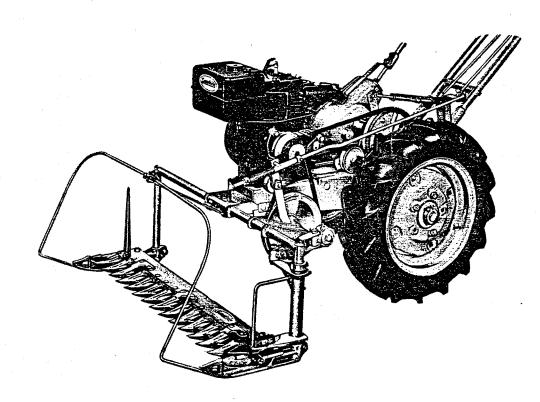
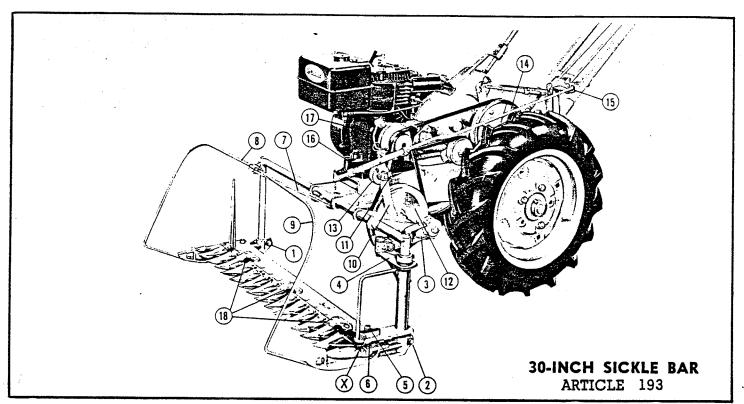


INSTRUCTIONS
AND PARTS LIST

30" SICKLE BAR

ARTICLE 193





INSTRUCTIONS FOR ASSEMBLING TO L, Vand F SERIES TRATORS

- 1. To conserve shipping space, sickle bar frame is assembled to the cutter bar backwards. Remove frame from cutter bar, reverse and reassemble as shown, tighten clamps at (1) and (2).
- 2. Bolt Pitman (3) to bell crank (4) and bell crank to sickle head (5). Lock with jam nut (6).

NOTE—ADJUSTMENT AT (X) ON SICKLE BELL CRANK SHOULD BE MADE TO FIT CLAMP SNUGLY AROUND SICKLE HEAD BUSHING AND YET NOT BIND.

- 3. Bolt finger bracket (7) to main frame. Hook right and left grass fingers (8) and (9) into shoes and clamp grass fingers to bracket (7).
- 4. Remove idler lever (10) from frame extension and reassemble as shown, locking with cotter pin in hole provided. Belt guides (11) should be positioned as shown. These guides keep the belt in line with engine, idler and sickle bar pulleys.
- 5. Remove tape from sickle bar crank shaft. Place pulley (12) on shaft with hub to outside as shown. Tighten set screw.
- 6. Attach sickle bar to tractor. (See special Quick-Hitch instructions in Tractor Manual.)
- 7. Mount V belt on engine and sickle bar pulleys, placing belt under idler pulley (13) as shown.
- 8. The idler pulley (13) should be positioned in the slot in lever (10) so that it properly clears the drive pulley.
- 9. Attach the lower clutch rod (14) to the idler lever (10) and to the lower clutch lever (15) using the upper of the two holes as shown.
- 10. Adjust belt tension on spring (16) with set collars. To avoid damaging belt, use minimum amount of tension required to drive the sickle.

- 11. Adjust Pitman (3) so that sickle will register with guards at the end of the stroke.
- 12. With upper clutch lever in rear position, set belt stops (17) to within $\frac{1}{8}$ inch of belt. This setting is important if sickle is to idle freely.

OPERATION

When operating the sickle bar attachment use the tractor speed range that best suits the particular cutting-condition encountered. Avoid cutting dead grass when it is damp.

NOTE—BE SURE THAT ENGINE PULLEY IS MOUNTED SO THAT SMALLEST GROOVE IS TO THE OUTSIDE. THIS APPLIES TO ALL TRACTOR MODELS.

If clean cutting is to be accomplished, sickle knives must register with the guards at the end of each stroke. Adjustment is provided in the Pitman (3).

It is desirable to have tractor wheels at widest position. For cutting fine grass, such as June grass, the cutting unit must be kept in first-class condition. The sickle must be sharp and held close to the ledger or guard plates by the sickle clip and supported by wear plates that are not badly worn. To adjust sickle clips (18), remove sickle from bar and adjust clips by tapping with hammer until sickle is held close to the guard plate. Wear plates under the clips must be replaced when they show wear.

NOTE—BE SURE THAT ALL JAM NUTS ON SICKLE BAR ATTACHMENT ARE SECURELY LOCKED.

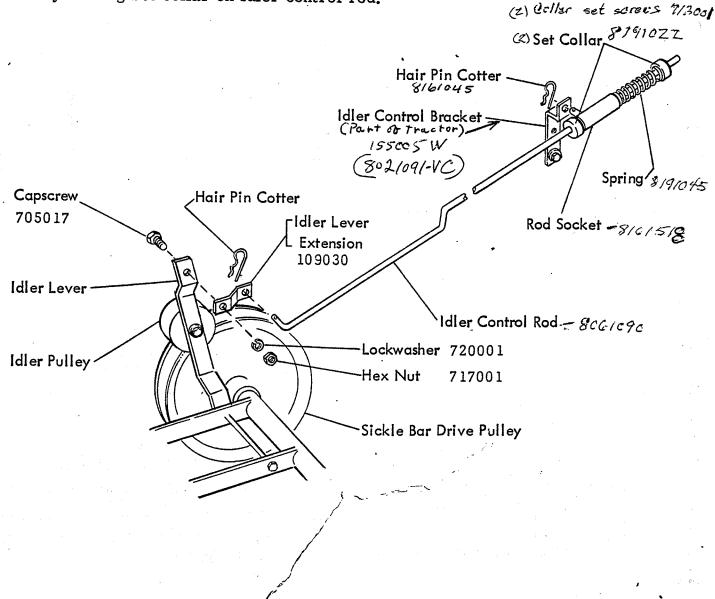
LUBRICATION

Lubricate the 6 grease fittings every hour. At the same time oil the bell crank connections and sickle bar clips (18) with machine oil.

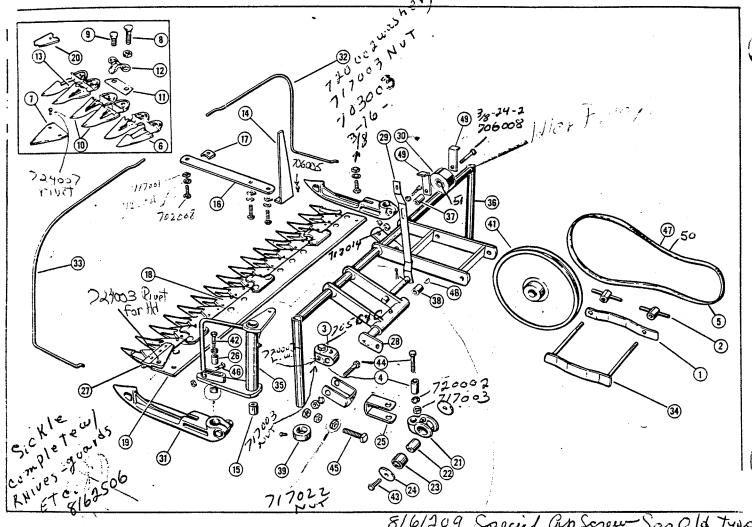
ATTACHING 30" SICKLE BAR TO MODEL "W" TRACTOR

The 30" sickle bar is attached to the moder"W" tractor by following the instructions as shown in the sickle bar instruction manual. The only variation in procedure concerns the method of attaching the idler control rod.

- 1. Attach idler lever extension to idler lever as shown. Use 5/16" N. C. x 3/4" lg. hex head capscrew, 5/16" lockwasher, and 5/16" N. C. hexnut.
- 2. Install offset end of idler control rod in hole of idler lever extension and secure with hair pin cotter.
- 3. Attach stud on rod socket assembly to idler control bracket mounted at base of handle. Secure with hair pin cotter. Adjust tension of idler pulley against drive belt by moving set collar on idler control rod.



1)00/2



No.	No.	~ .
1	103001	Hitch Side Plate
2	8161041	T-Nut Complete
2 -3	8161052	Pivot Block
-4	8161056	Pivot Block Bearing
5	118658	Belt, 34", for L & F Series
6	8161131	Left End Guard
7	101004	Sickle Sections (14-101004
		sections and 2-8161219 end sections
		complete with rivets in box)
8	8161133	Guard Bolt, Long
9	8161134	Guard Bolt, Short
10	8161135	Twin Guard &
11	8161136	Wear Plate 60n 30" Bav
12	8161137	Sickle Clip
13	8161138	Right End Guard
14	8161178	Whipper
15	8161180	Bell Crank Bushing
16	8161181	Grass Finger Bracket
17	8161182	Grass Finger Clamp
18	8161188	Sickl complete with head
19	8161189	30" Cutter Bar Slab
20	8161191	Ledger Place (with rivet)/6
-21	8161196	Pitman Beari. Housing
- 22	8161197	Pitman Bearing Line. Pace
- 23	8161198	Needle Bearing (Pitman,
	1 🔻	1

Name of Part

8161	1204 /	special Captereur Je	re Old Type kle=Mov
Item	Part	Name of Part Sid	Kle-Mor
No.	No.	4	fore
-24	8161199	Pitman Bearing Washer	•
25	8161203	Pitman Clevis	
26	8161218	Sickle Head Bushing	
27	8161230	Sickle Head only	
-28	8161515	Crank Shaft Assembly	
29	8161520	Idler Lever	
30	101002	Idler Pulley	
31	8162019	Sickle Bar Shoe	
32	8162026	Grass Finger, Right	
33	8162027	Grass Finger, Left	
34	8162501	Hitch Clamp	
35	8162510	Sickle Bell Crank (w/bushing	
		8161180, bushing 8161218, and	
		Sickle Head Bolt)	
36	8163510	Sickle Bar Frame	•
37	8191020	Idler Pulley Bushing	
38	8191044	Bearing Housing Bushing	
39	8211005	Set Collar	
41	8151025	Sheave	
-42	706007	Sickle Head Bolt, 3/8-24 x 1/2	
-43	706008	Crank Pin Bolt, 3/8-24 x 2	j
-44	705010	Pivot Block Bolt, 3/8-16 x 1 3/4	
45	716005	Pitman Mch.Bolt, $7/16-14 \times 1 1/2$	
46	705008	Adjustment Bolt, 1/4-20 x 1 1/4	۱ ،
47	8161244	Belt, 38" for V & H Series	· ·
48	725003	3/16 x 3/4 Woodruff Key	Form#MF-18
49	8021121	Belt Guide	

11 grease Fittings 727002 51 8161243 BEARING

118018 118018

77.5

Item

Part