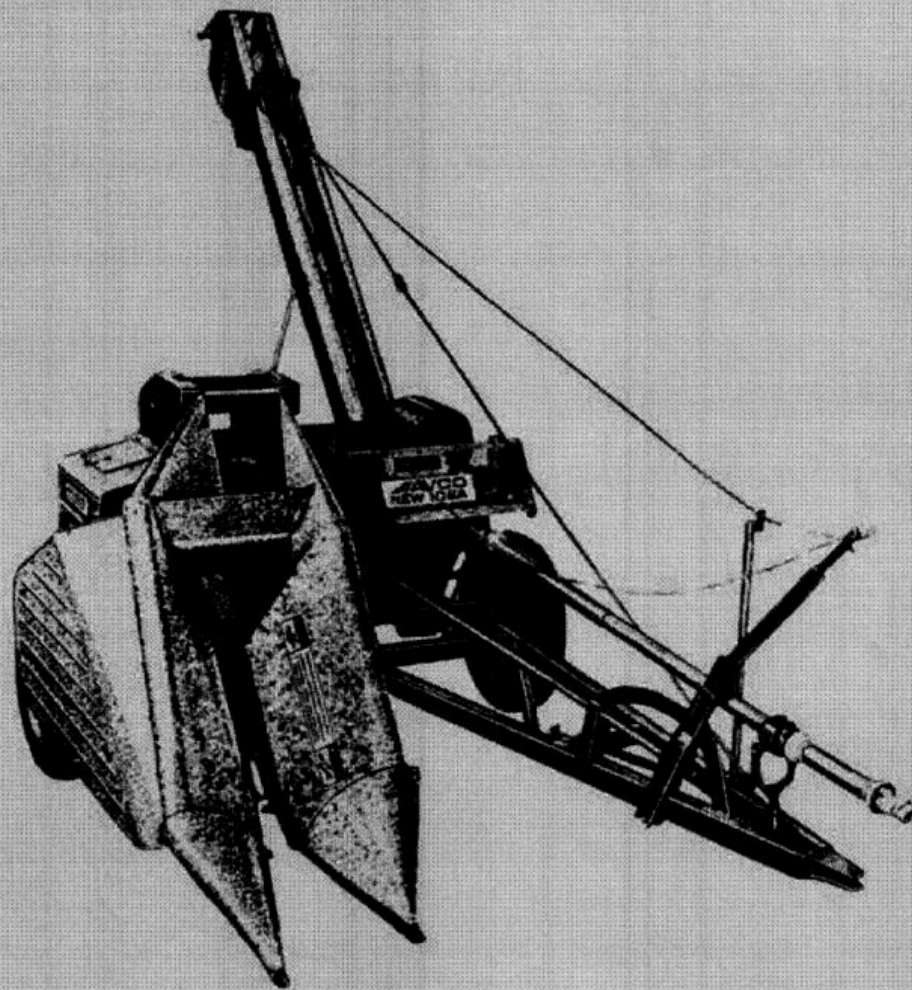


OPERATOR'S MANUAL

No. P-204
(985675)

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

NO. 323 ONE ROW PULL TYPE PICKER



For the Dealer and Operator
Read these instructions • Save it for reference

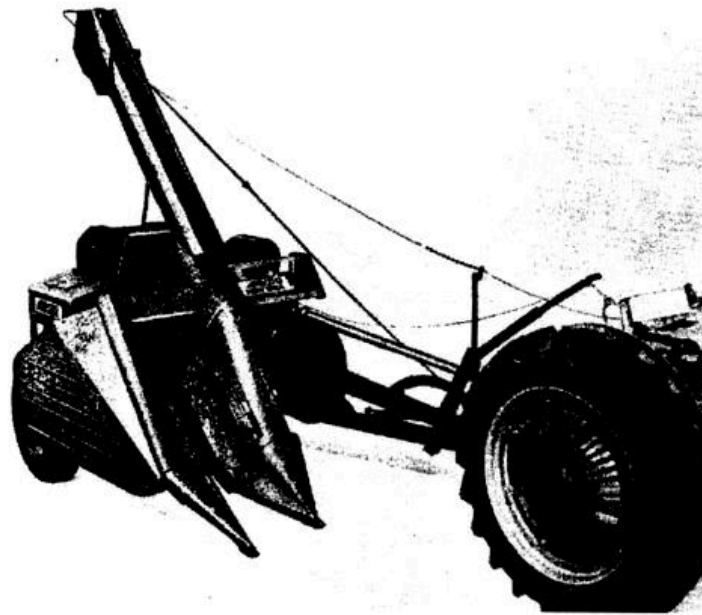
AVCO
NEW IDEA
COLDWATER, OHIO U.S.A. 45828

The Symbol Shown Below Is Used To Call Your Attention To Instructions Concerning Your Personal Safety. This Symbol Is Found Throughout This Manual And Will Be Found On Your Machine — It Points Out Important Safety Precautions. It Means "ATTENTION! — Become Alert! Your Personal Safety Is Involved!" Read The Message That Follows And Be Alert To The Possibility Of Personal Injury Or Death.



BE ALERT! Your Safety is involved.

INTRODUCTION AND OPTIONAL ATTACHMENTS



1. **PROPER ASSEMBLY** - Check the assembly against the instructions in this Manual to be sure that the Picker is "right" when it is delivered.
2. **PROPER ADJUSTMENTS** - Make adjustments in the manner prescribed in this Manual.
3. **PROPER MAINTENANCE** - Check the entire Picker periodically to detect lost, broken or inoperative parts. Replace them promptly with Genuine Avco New Idea Repair Parts available through your Avco New Idea dealer.
4. **PROPER OPERATION** - Be completely familiar with and follow the operational instructions that are provided in this Manual.
5. **PROPER LUBRICATION** - Follow our recommendations in this Manual with regard to frequency and coverage. Economize by using only high grade lubricants and oil. . . . It pays! It doesn't cost!

OPTIONAL ATTACHMENTS

Beater

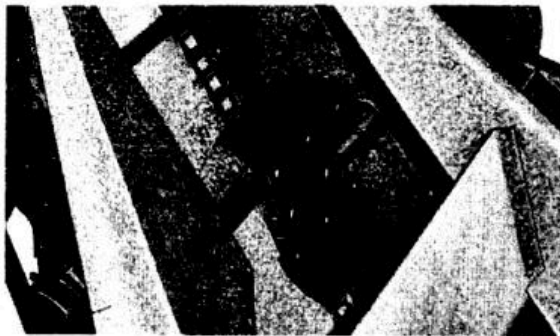


Figure 1

Fig. 1 - This attachment is designed to help carry stalks and corn up the first elevator in extreme dry, down or frozen conditions.

Weed Shields



Figure 1A

Fig. 1A - The weed shields are designed for use in extreme weedy conditions. They help to prevent a build up of material around the sprockets and gathering chain.

Elevator Cover

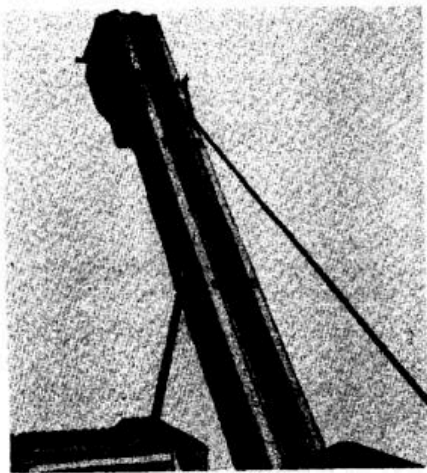


Figure 1B

Fig. 1B - The elevator cover is designed for use in high yield corn. It prevents loss of ears from the elevator onto the ground.

NO. 323 ONE ROW PICKER

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SAFETY PRECAUTIONS AND FIELD OPERATION



SAFETY PRECAUTIONS

- ALWAYS DISENGAGE P.T.O. AND SHUT OFF TRACTOR ENGINE BEFORE DISMOUNTING FROM TRACTOR.
- BE SURE TO DISENGAGE POWER TAKE-OFF BEFORE STARTING TRACTOR ENGINE.
- NEVER ATTEMPT TO GREASE OR ADJUST THE MACHINE WHILE IT IS IN OPERATION.
- AVOID EXCESSIVE ROAD SPEED.
- KEEP HANDS AND CLOTHING AWAY FROM MOVING PARTS.
- IF ANY TYPE WORK IS PERFORMED BELOW THIS MACHINE, MAKE SURE IT IS PROPERLY SECURED WITH A JACK OR HOIST.

Field Operation

The Avco New Idea one row Picker is especially designed to do a better picking job in today's heavy yield corn. Greater capacity has been built into the machine, along with dependability and ease of operation.

Forward travel of the unit is directly determined by corn conditions, field conditions and yield per acre. The power take-off speed should be kept near 540 RPM on all tractors.

Having arrived at the beginning of the row that is to be picked, stop the travel of the tractor. Lower the floating gathering shoes or points so they merely touch or sweep over the ground. Watch that the rear parts of the gathering shoes are not forced tight upon the ground. Too low a setting will cause unnecessary wear at the bottom of the gathering shoes and cause the points of the gathering shoes to stick up and then these points will not get underneath the down stalks. Engage the power take-off and drive the tractor along the rows so that the snapper advances centrally on the corn rows.

If the machine should plug, which it will sometimes do in extreme down corn or for other reasons, disengage P.T.O. and shut off the tractor engine before removing congestion. Under certain conditions the congestion can be removed by stopping the forward

motion of the tractor and running the machinery. NEVER UNDER ANY CIRCUMSTANCES GET OFF THE TRACTOR SEAT WITH THE POWER TAKE-OFF AND MACHINERY IN MOTION TO CLEAN OUT THE MACHINE BY HAND.

The gathering chains, wagon elevator, center elevator, husking bed and corn saver have ratchet drives and in case anything gets caught in them these ratchets should slip. When you hear a ratchet slipping, stop the travel of the tractor and machinery, then remove the obstacle. If these ratchets slip for no apparent reason, they may not be tight enough, in which case the spring should be tightened.

The wagon elevator is equipped with a throwout clutch. This clutch should always be disengaged when turning at end of rows (unless the power take-off is disengaged).

If wagons are changed in the row, stop the forward travel of the tractor. Run the power take-off so as to clean all the corn out of the machine, then disengage the wagon elevator clutch and disconnect the full wagon. Continue to pick corn for about 25 feet or until the empty wagon can be pulled into place and coupled up. Engage the wagon elevator clutch and continue to pick corn.

Storage of Picker

1. Clean all husks, silks, etc., from the machine.
2. Clean and oil all chains. Chains should be removed and dipped if possible.
3. Lubricate all pressure fittings listed on Page 6.
4. House picker in a suitable dry place where it is neither exposed to weather or livestock.
5. Repair or replace any needed parts, not leaving this until next season.
6. Cover all weathering surfaces with a rust preventive compound.
7. Clean all rust spots thoroughly and paint to stop oxidation.

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TROUBLE SHOOTING

A FEW MINOR ADJUSTMENTS WILL SAVE A LOT OF TIME IN THE FIELD! STUDY THESE TROUBLE SHOOTING SUGGESTIONS THOROUGHLY.

Trouble Shooting

TROUBLE	CAUSE	CORRECTION
1. Snap Unit Plugs	<p>(a) Ground speed too fast for corn conditions in relation to P.T.O. speed.</p> <p>(b) Distance between snapping rolls not set correctly for corn conditions.</p> <p>(c) Worn snapping rolls.</p> <p>(d) Gathering chains too tight.</p> <p>(e) Brittle or frozen stalks, etc., break off at rolls.</p> <p>(f) Corn catches at lower end of rolls.</p>	<p>(a) Shift to lower gear - operate tractor at recommended 540 rpm PTO speed.</p> <p>(b) Set rolls together except in dry or frozen stalk condition. See Fig. 14, Page 9.</p> <p>(c) Replace rolls or if pockets in lobes on roll are worn smooth, install rubber flap.</p> <p>(d) Loosen chains. See Figs. 13, Pg. 9.</p> <p>(e) Open rolls and install a rubber flap.</p> <p>(f) Worn entry guides. Bent, loose or missing parts at lower end of rolls.</p>
2. Excessive Shelling on Snap Rolls	<p>(a) Adjustment of rolls is necessary.</p> <p>(b) Gathering chains too tight.</p>	<p>(a) Open or close rolls according to conditions. See - under trouble.</p> <p>(b) Loosen chains. See Fig. 13, Page 9.</p>
3. Down and Frozen Corn Conditions	<p>(a) Unable to get corn into picker.</p> <p>(b) Excessive stalk breakage.</p>	<p>(a) Adjust floating shoes so that tips get under corn. See Fig. 11, Page 8. Reposition height of picker. See Fig. 5, Page 7</p> <p>(b) Slow down forward travel of unit. Install beater attachment. See Figs. 65 & 66, Page 22.</p>
4. Husking Unit Plugs	<p>(a) Too much corn on rolls.</p> <p>(b) Insufficient number of husking pegs in rolls.</p> <p>(c) Rolls wrapped with husks, etc.</p> <p>(d) Rolls out of time.</p> <p>(e) Lower roll out of position.</p> <p>(f) Fan not operating properly.</p>	<p>(a) Operate tractor in lower gear. Check husking roll adjustment. See Fig. 18, Page 10. Bend roll cover down on roll. See "G" Fig. 37, Page 15.</p> <p>(b) Add pegs.</p> <p>(c) Increase tension on rolls. See Fig. 18, Page 10.</p> <p>(d) See Fig. 37, Page 15.</p> <p>(e) See Fig. 18, Page 10. Check for missing or broken parts on tension rods at each end. Lower bearing must slide freely in hanger. Worn bearings.</p> <p>(f) Tighten or replace fan belt.</p>
5. Excessive Shelling on Husking Rolls	<p>(a) Too many husking pegs for easy shelling corn.</p> <p>(b) Not enough tension on rolls.</p>	<p>(a) Remove husking pegs as necessary.</p> <p>(b) For adjustment, see Fig. 18, Page 10.</p>
6. Trash in Load	<p>(a) Picker units not adjusted properly.</p> <p>(b) Distance between snapping rolls not set correctly for corn conditions.</p> <p>(c) Fan not operating at proper speed. (1400 R.P.M. at 540 P.T.O. speed).</p>	<p>(a) Check adjustment on snapping and husking rolls to be sure they are correct for such conditions. Various tractor speeds should be tried.</p> <p>(b) Adjust rolls. If necessary install a rubber flap on rolls. Shift to lower gear if necessary to reduce volume of material entering machine.</p> <p>(c) Tighten belt so there is no slippage.</p>

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LUBRICATION GUIDE

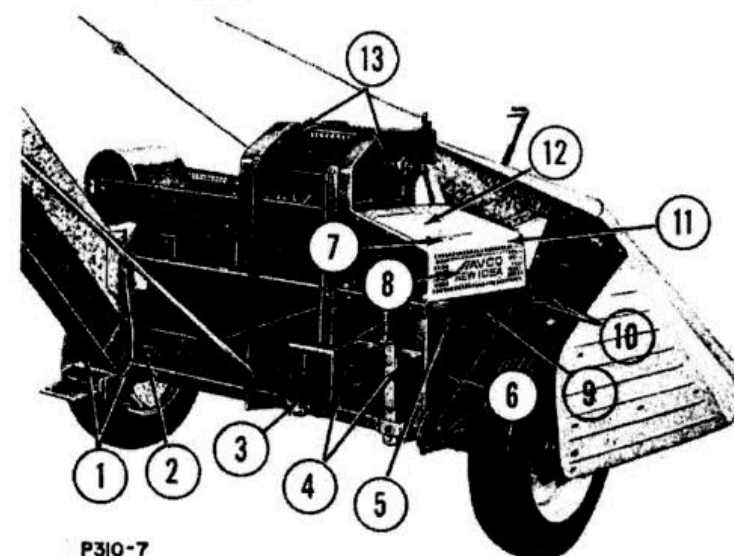


Figure 2

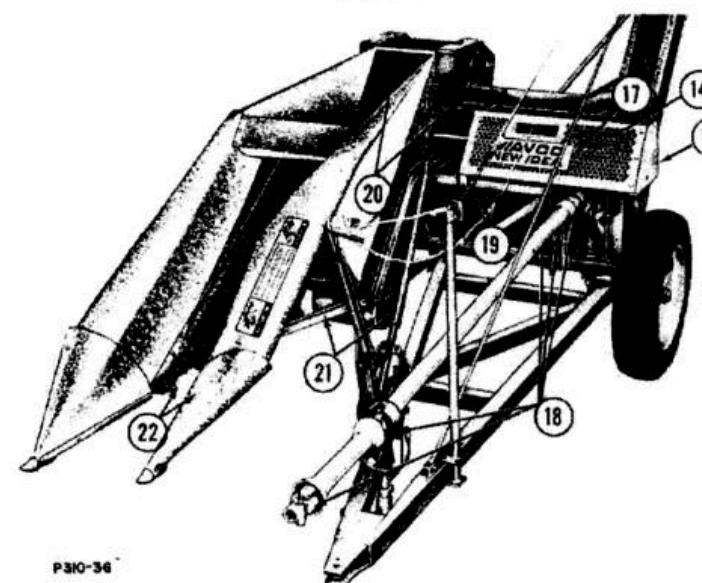


Figure 3

NOTE:

- Brush oil on all chains, liberally and often.
- Keep main drive gear case filled to level of check plug with No. 90 transmission oil. Drain, flush and refill the gear case annually.
- Keep PTO telescoping shaft and tube well greased so they move freely and easily. Clean tube and shaft annually and renew the grease.
- Repack short gathering chain gear box annually.
- Repack wheel hubs annually.

CAUTION:

NEVER APPLY OIL, LUBRICATE OR SERVICE THE PICKER WHEN IT IS RUNNING. ALWAYS DISENGAGE THE P.T.O. AND SHUT OFF THE TRACTOR ENGINE BEFORE DISMOUNTING FROM THE TRACTOR.



Figs. 2 and 3 -

GREASE BEARINGS NOS. 1, 12, 15 and 21 EVERY 4 HOURS.

1. Wagon elevator drive shaft bearings (2).
 12. Upper husking roll bearings (6).
 15. Lower husking roll bearings (6).
 21. First elevator idler shaft bearings (2).
- GREASE BEARINGS NOS. 8, 10, 11, 13, 14, 16, 19, 20 AND 22 EVERY 8 HOURS.
8. Husking bed drive shaft bearing (1).
 10. Long gathering chain gear box bearings (2).
 11. Secondary cross shaft bearing (1 on right side).
 13. Upper trash roll bearings (2).
 14. Fan idler bearing (1).

19. Secondary gear box bearings (3).
20. First elevator drive shaft bearings (2).
22. Snapping roll end bearings (2).

GREASE BEARINGS NOS. 2, 3, 4 AND 6 EVERY 50 HOURS.

2. Corn saver drive shaft bearings (2).
 3. Husk agitator drum drive shaft bearing (1).
 4. Husk agitator drum shaft bearings (2).
 6. Corn saver idler bearing (1).
- GREASE BEARINGS NOS. 5, 7, 9, 17 AND 18 EVERY 100 HOURS.
5. Ratchet hub short gathering chain (1).
 7. Husking bed universal joint (1).
 9. Snapping roll gear box (1).
 17. Split shaft hub bearing (1).
 18. Power take-off bearings (5).

If the picker is equipped with the one shot lubrication system, the following list of bearings are not serviced with this system:

- GREASE EVERY 100 HOURS
- No. 5 Ratchet hub, short gathering chain (1).
 - No. 7 Husking bed universal joint (1).
 - No. 9 Snapping roll gear box (1).
 - No. 17 Split shaft hub bearing (1).
 - No. 18 Power take-off bearings (5).
- GREASE EVERY 50 HOURS
- No. 2 Corn saver drive shaft bearings (2).
 - No. 4 Husk agitator drum shaft bearings (2).
 - No. 6 Corn saver idler bearing (1).

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Hitching Snapper to Tractor, Adjusting Lever, Bearing Support and Lift Spring

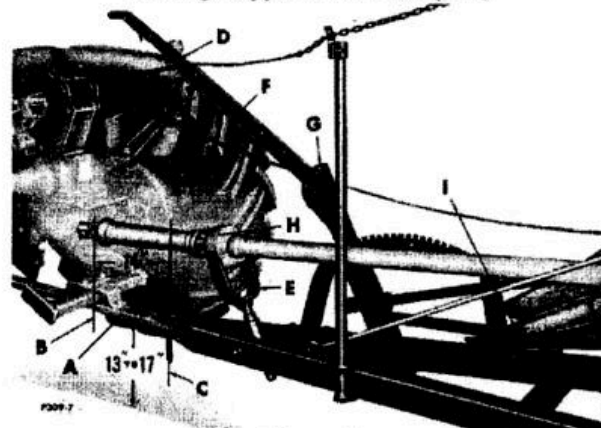


Figure 4

- Fig. 4
1. Tractor drawbar "A" must be adjusted, as illustrated above, so the top of the drawbar is 13 to 17" above the ground.
 2. Drawbar "A" should be adjusted to ASAE standard length, which is 14" measured horizontally as illustrated above, from end of tractor's power shaft "B" to a vertical line from the center of the hole for hitch pin "C".
 3. When connecting PTO joint to power shaft, clean splines on shaft thoroughly.
- CAUTION:** Do not use steel hammer to aid in joining PTO parts.
4. Lever can be adjusted by loosening collar "F" on rod. Remove the bolts from section "D" and "G". Reassemble "D" to desired length and into position desired in "G". Adjust rod and tighten collar "F".
 5. Adjust lift spring "I" so gathering unit can be raised or lowered easily.
 6. Adjust bearing support "E" so PTO shaft is in a straight line. To adjust -- loosen bolts on clamps at the top and bottom of support and raise or lower support to position desired. Tighten bolts.
- NOTE:** Pivot bearing "H" can also be installed with the bearing down (inside support) for low PTO tractors.
7. Attach deflector and throwout rope to some point on the tractor so it is within reach of the operator as shown.

Adjusting Drive Chain on Secondary Cross Shaft, Fan Belt Idler and Wagon Elevator Throwout Clutch

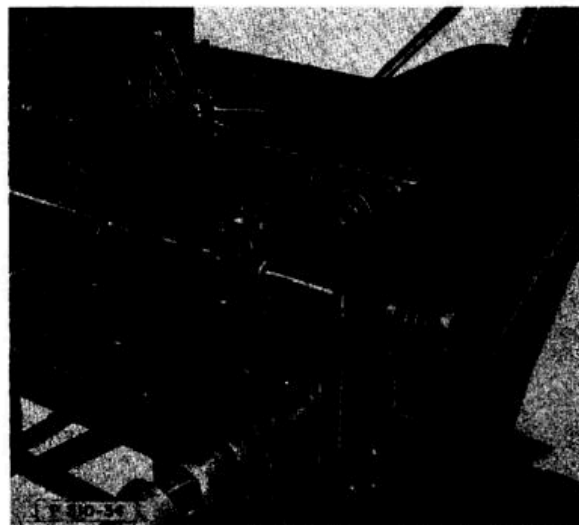


Figure 6

Fig. 6 - To adjust secondary cross shaft drive chain loosen bolt "M" on chain slide and adjust to the point where the chain will not whip or jump off sprockets. Tighten bolt.

Adjust the fan belt idler "N" to the point where the belt drives the fan and does not slip on sheaves.
NOTE: The idler may be placed on either side of the belt in order to attain proper adjustment.

To adjust the wagon elevator throwout clutch loosen bolts "P" 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.

OPERATING AND ADJUSTING Repositioning Hitch and Wheels

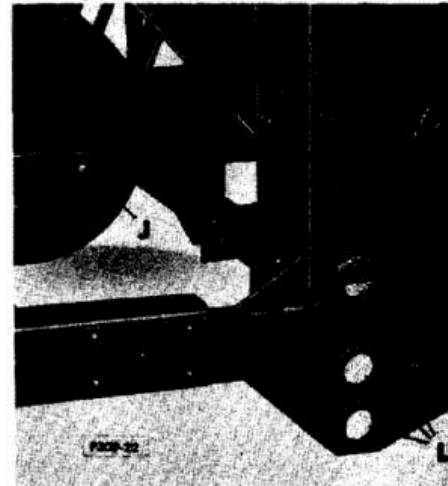


Figure 5

Fig. 5 - Proper hook-up for maximum picking efficiency should be maintained at all times. Tractor wheels should straddle the rows so the snapping unit is centered on the row to be picked. This can be done by offsetting the picker hitch. By using one of the three holes on right side of hitch at "J" the proper position can be found.
NOTE: When this is done make sure lever control push rod assembly is adjusted accordingly. Keep the tractor swinging drawbar locked in its center position.

Under certain field conditions such as down or frozen corn, the operator may want to raise or lower the picker frame. When 20" wheels are being used, three hole settings are available as shown at "L". When 15" wheels are used only the two lower holes can be used to reposition the frame.

OPERATING AND ADJUSTING (Cont'd) Drive Chain and Slip Clutch

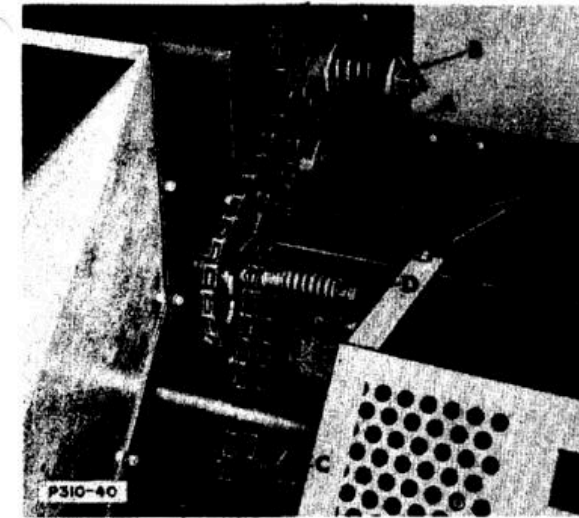


Figure 7

Fig. 7 - To adjust the first elevator drive chain loosen bolt "A" on chain slide. Adjust chain to the point where it will not whip or jump off the sprockets. Tighten bolt.

Slip clutch assembly "B" protects the first elevator conveyor. For proper adjustment of clutch see "Field Operation" Page 4.

Wagon Elevator Drive Chain and Slip Clutch



Figure 9

Fig. 9 - Loosen bolt "D" on chain slide. Adjust the chain to the point where it will not whip or jump off the sprockets. Clutch assembly "E" protects the wagon elevator. For proper adjustment of clutch see "Field Operation" Page 4.

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Wagon Elevator Conveyor

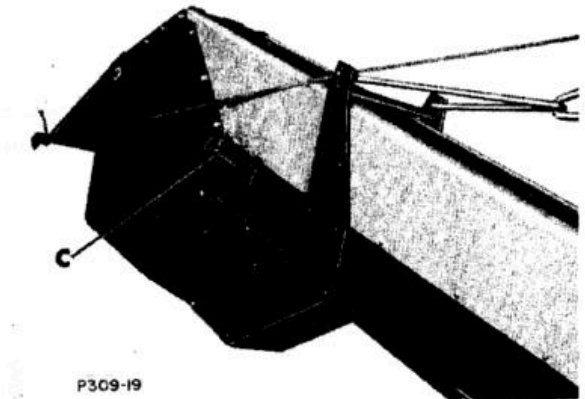


Figure 8

Fig. 8 - To adjust the conveyor chain loosen or tighten nuts on bolts "C" at the upper end of the wagon elevator. Make sure these bolts are adjusted evenly. Conveyor should be adjusted so that when a flight is lifted (at the middle of the elevator) it will come flush with the top of elevator sides.

(Fig. 7 cont'd)
Loosen bolt "C" to adjust the gear box drive chain. Adjust chain to the point where it will not whip or jump off the sprockets. Tighten bolt.
Clutch "D" protects the corn saver, agitator drum and the ear forwarders. For proper adjustment see "Field Operation". Page 4.

First Elevator Conveyor

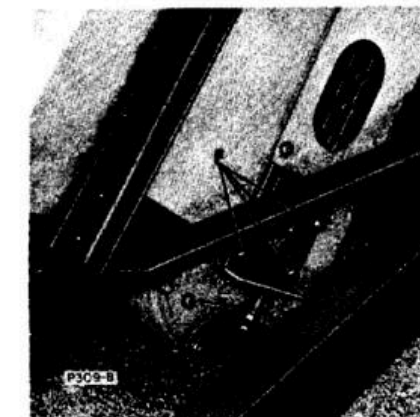


Figure 10

Fig. 10 - Loosen bolts "F" at the lower end of first elevator (both sides). Adjust nuts on bolts "G" to loosen or tighten conveyor. Conveyor should be adjusted so that when a flight is lifted (at the middle of the conveyor) it can be raised from 1 to 1-1/2". Tighten bolts.

NOTES: • Should the conveyor ever need to be serviced or replaced, make sure that the flat areas on the sprockets at the lower end are positioned 180 degrees in relationship to each other.

Floating Shoes



Figure 11

Fig. 11 - To adjust floating shoes remove bolt "H". Three holes settings are found in stop plate "I".

NOTE: Avoid setting shoes high, as best results are obtained with shoe extending downward so as to pick up down stalks.

• The left sprocket is pinned to the shaft, the right side is not.

OPERATING AND ADJUSTING (Cont'd)

Clearing Roll Drive Chain and Clutch Husking Bed Drive Chain and Clutch

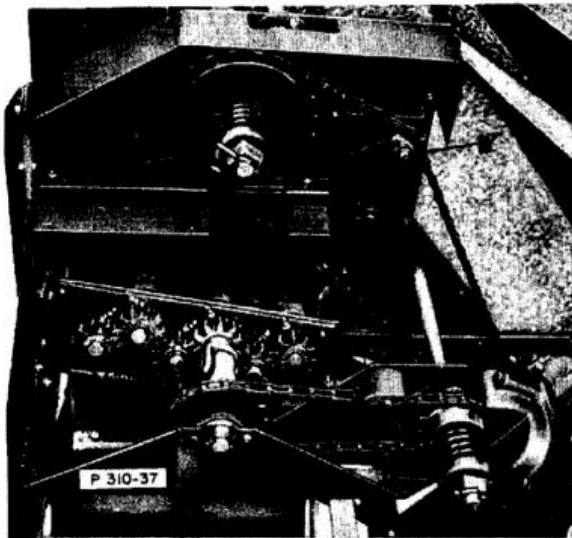


Figure 12

Fig. 12 - Adjust the clearing roll drive chain by loosening bolt "B" on chain slide and adjust the chain to the point where it will not whip or jump teeth on the sprockets. Tighten bolts. Clutch assembly "C" protects the clearing rolls. For proper adjustment see "Field Operation" Page 4. Loosen bolt "A" to adjust the husking bed drive chain. Adjust this chain to the same tightness as described for the clearing roll drive chain. Clutch "D" protects the husking bed. For proper adjustment refer "Field Operation" Page 4.

Snapping Rolls

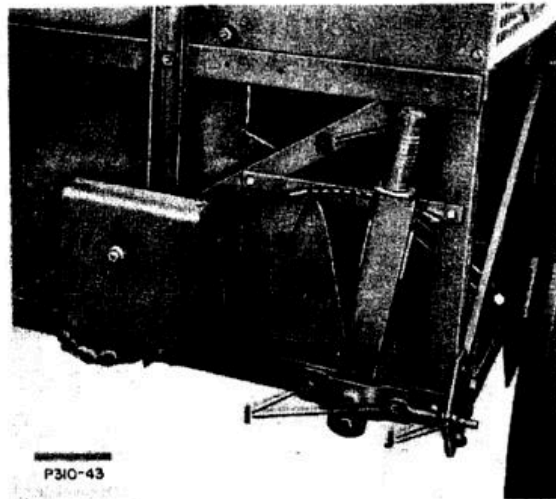


Figure 14

Figs. 14 and 15 - By moving lever "G" (Fig. 14), to the right on sector, the rolls will open, and to the left they will close. With lever "G" (Fig. 14) in the closed position "H" (Fig. 14) on the sector, the lobes on the rolls should

Gathering Chains and Idler Sprockets



Figure 13

Fig. 13 - We suggest running the gathering chains on the slack side. Adjust by loosening nuts "D", then reset idler sprockets. Tighten nuts.

NOTE: Make sure offset spacer located at "E" above inside short gathering chain idler sprocket next to cone is located properly for maximum chain adjustment.

The machines are shipped with the gathering chain idler sprockets "F" set out. When picking small and down corn it is advisable to move the sprockets together. This can be done by turning malleable eccentric clamps E 42 a quarter or a half turn according to conditions.

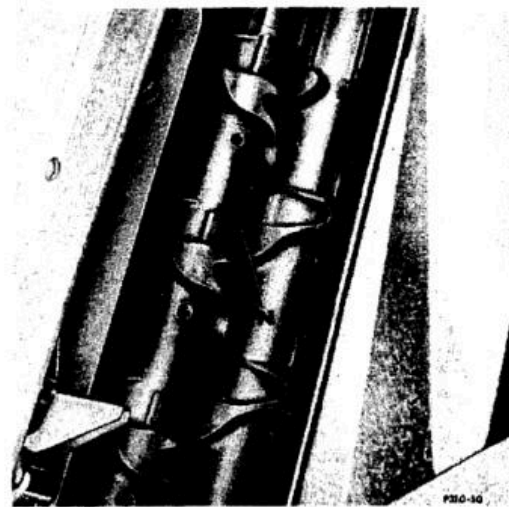


Figure 15

not strike. If they strike -- loosen bolts "I" (Fig. 14), and adjust nuts "J" (Fig. 14), to the point where lobes just clear as shown at "N" (Fig. 15).

NOTE: Turn rolls slowly and make this adjustment with the lobes at their closest points.

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OPERATING AND ADJUSTING (Cont'd)

Corn Saver Chain and Meshing Gears in Corn Saver Drive Gear Box

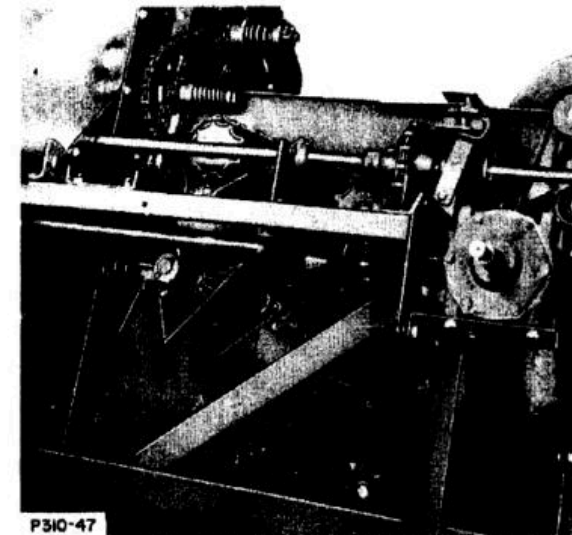


Figure 16

Fig. 16 - To adjust the corn saver chain loosen bolt "A" in idler sprocket and adjust the chain to the point where it will not whip excessively. In case chain is removed, note particularly how it is installed. To mesh the gears in the corn saver drive box "C" we suggest the gear box be removed. These gears should be meshed to have from .030 to .060 backlash. This is done by adding or removing washers at "B".

Spring Tension on Husking Rolls and Husk Agitator Drum Drive Chain

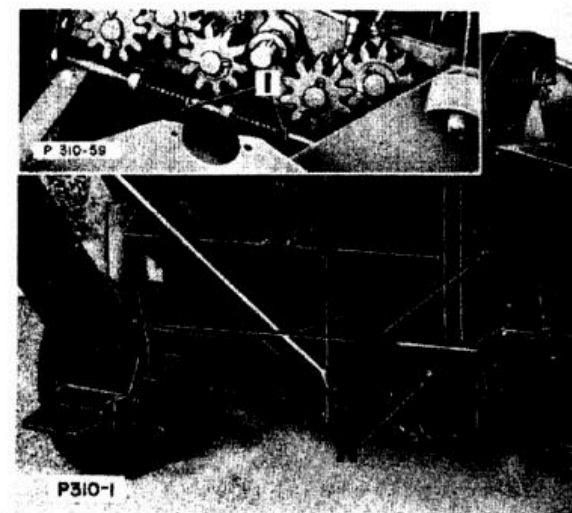


Figure 18

Adjusting Slip Clutches and Meshing Gears on Long and Short Gathering Chain Drive Gear Boxes

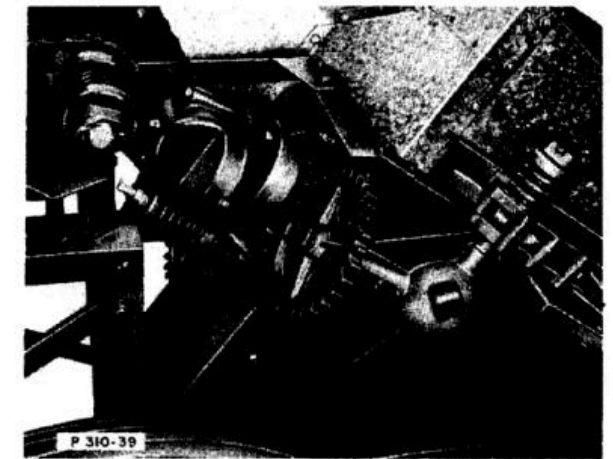


Figure 17

Fig. 17 - Clutch "D" protects the short gathering chain drive. Clutch "E" protects the long gathering chain drive. For proper adjustment of these clutches see "Field Operation" Page 4.

The gears in the long gathering chain gear box "F" should be meshed to have from .007 to .017 backlash. This is attained by adding or removing washers behind the gears.

The gears in the short gathering chain gear box should also be meshed to have from .007 to .017 backlash.

This is attained by adding or removing shims between the gear case and gear case cap.

Gears are set up in both boxes where the 15 tooth drives the 14 tooth.

Fig. 18 - The lower husking rolls are held against the upper rolls by spring tension. This tension can be increased or decreased by adjusting nuts on rods at "G".

Sufficient tension must be maintained so the shucks are pulled from the ears.

NOTE: Do not overtighten, as too much tension will cause undue wear on bearings.

If sufficient tension cannot be attained;

Check to see if any parts are broken and that cotter pins "I" are in place on both the upper and lower rods.

Adjust the husk agitator drum drive chain by loosening chain slide bolt "H". Adjust to the point where the slack in the chain has been removed. Tighten bolt.

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OPERATING AND ADJUSTING (Cont'd)

Corn Saver Conveyor Chain

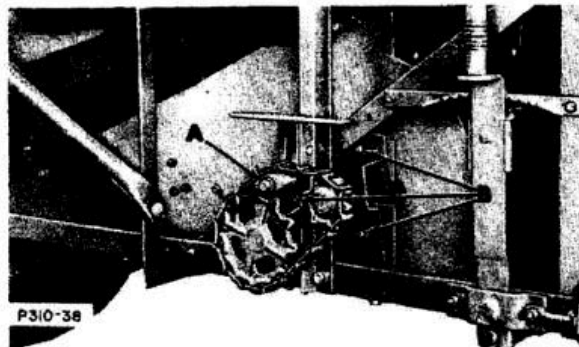


Figure 19

Figs. 19 and 20 - Before adjusting the corn saver conveyor chain loosen chain slide bolt "A" (Fig. 19) relieving the tension from the husk agitator drive drum chain.

Adjust the corn saver conveyor chain by loosening bolts "B" (Fig. 19) on the rear side of the corn saver.

Loosen bolts "C" (Fig. 20) on front side of the corn saver. Adjust the conveyor to the point where it is sufficiently tight. Be careful not to have one side adjusted ahead of the other. Retighten all bolts. Readjust the husk agitator drive drum chain with block "A".

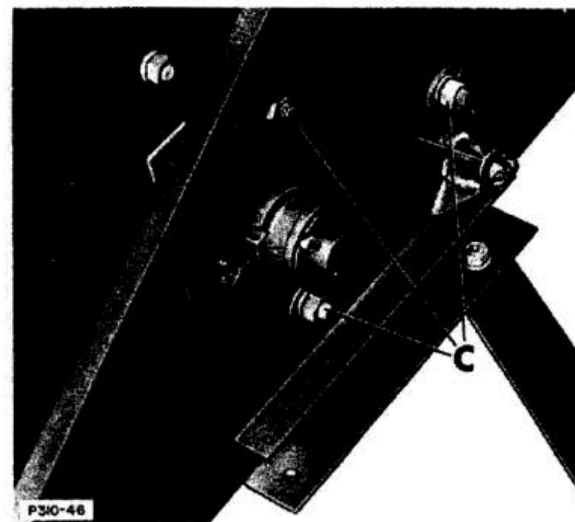


Figure 20

Shelled Corn Discharge Adjustment Sheet



Figure 21

Fig. 21 and 21A - Loosen bolts "D" (Figs. 21 and 21A) and adjust the sheet to have approximately 3/4" opening (as shown in Fig. 21A) between it and the

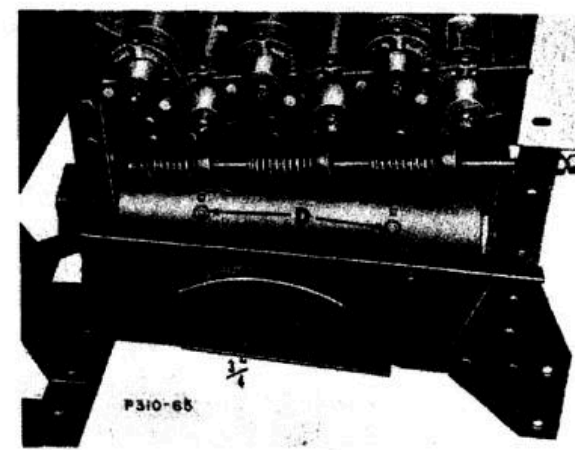


Figure 21A

shelled corn delivery spout. This distance may have to be increased or decreased depending on corn condition.

OPERATING AND ADJUSTING (Cont'd)

Shear Bolt for Main Drive

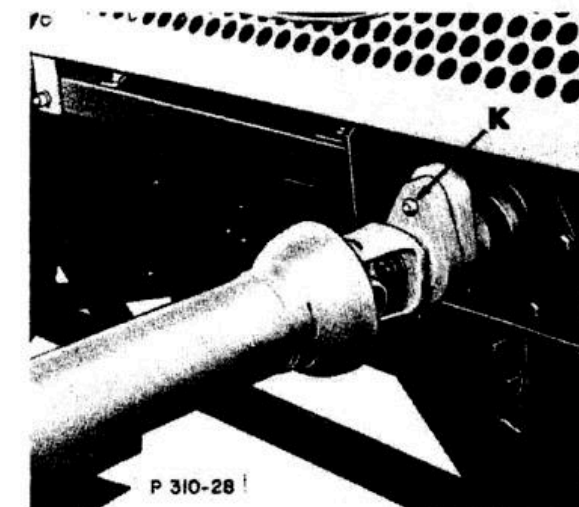


Figure 22

Fig. 22 - Shear bolt "K" protects the main drive. When replacing; use special hardened bolt, Part No. K 5012. Part No. of washer on bolt is K 5013, and Part No. of nut on bolt is 010161.

Timing Clearing Rolls

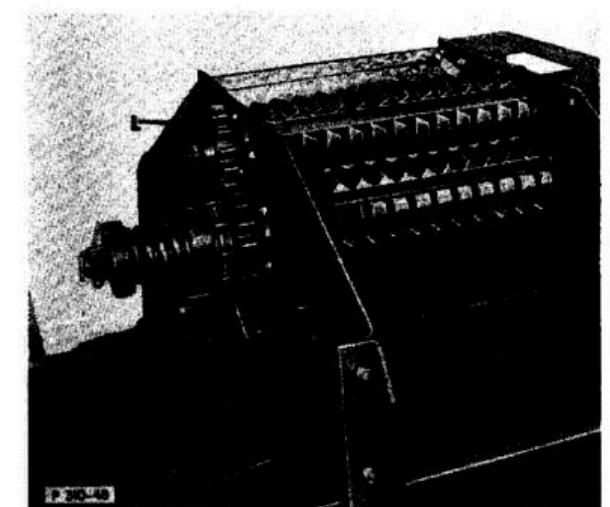


Figure 23

Fig. 23 - Clearing rolls are timed by removing spur gear "L", then turn upper roll until the teeth on roll run between the jaws of the lower roll. Replace gear "L". NOTE: The teeth on the clearing rolls do not mesh.

Reassembling Gear Case

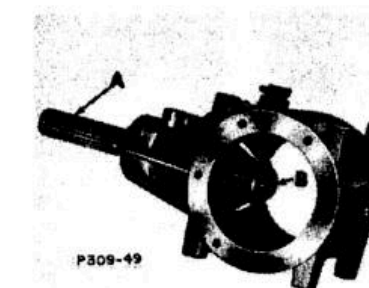


Figure 24

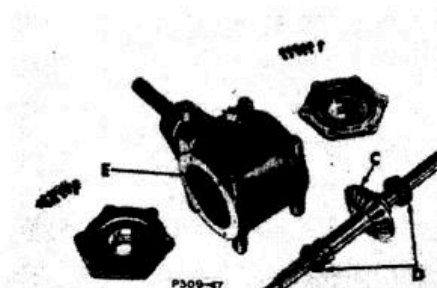


Figure 25



Figure 26

Figs. 24, 25 and 26

Be sure gear case is positioned with filler plug on the top side as shown, then assemble in the following steps:

1. Install output shaft assembly "A" (Fig. 24) as shown. Draw nut "B" (Fig. 24) up tight, then back off 1/4 turn, bend lip of locking washer down to secure nut. This should leave a slight drag on the bearings.
NOTE: Bearings, cups and seals on this shaft are replaceable. See Repair Drawing Page 42.
2. Slide gear "C" and bearings "D" (Fig. 25) onto input shaft as shown.
NOTE: On 1000 RPM tractors gears "C" and "E" (Fig. 25) will have to be interchanged.

3. Insert input shaft assembly "F" (Fig. 26) into case followed with necessary shims and cover at "G". Add or remove shims at "G" to attain .010 backlash on gears.
4. Install cover and necessary shims at "H" (Fig. 26) to adjust bearings on input shaft. Add or remove shims at "H" until bearings have a slight drag.
NOTE: Two different thickness of shims can be used at "G" and "H" (Fig. 26). They are, .005, and .020 thick.

OPERATING AND ADJUSTING (Cont'd)

Guide for Removing and Timing Snapping Rolls

Removing Gear Cover, Slotted Nuts and Cotter Pins

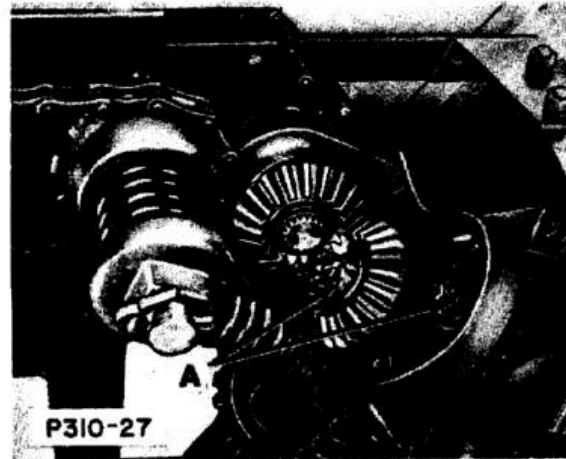


Figure 27

Fig. 27 - Remove gear cover as shown. Remove slotted nuts and cotter pins at "A".
NOTE: Open snapping rolls to maximum width. See Fig. 14, Page 9.

Removing Shields and Bearing Bolts

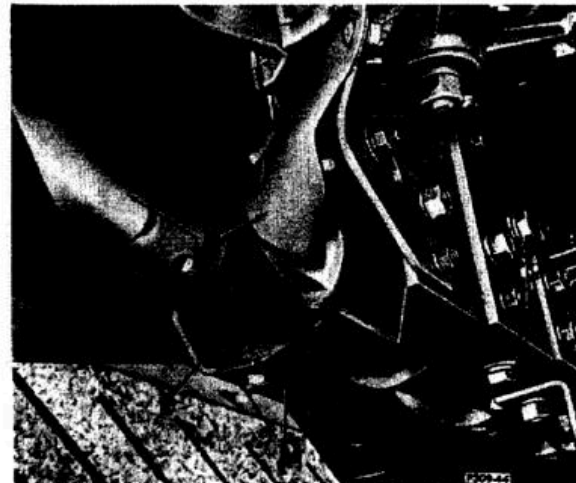


Figure 28

Fig. 28 - Remove shields "B". Remove cap screws "C" from inside roll bearing. Remove bolts "D" from outside roll bearing. Rolls can now be removed by tapping on the trunnions at the upper end of rolls. Spur gears at the upper end of rolls are removed with the snapping rolls.

NOTE:

When replacing rolls, tighten nuts on trunnions at the upper end of rolls first, then adjust mounting bracket "E" all the way up and tighten bolts "D". Tighten bolts "C".

Timing Snapping Rolls



Figure 29

Fig. 29 - When replacing rolls they are to be timed with the long breaker bar (attached to lobe) on one roll next to a short breaker bar as shown at "E" on the other roll. Timing is determined with the spur gears at the upper end of rolls.

NOTE: LOBES SHOULD NEVER STRIKE. For proper adjustment see Figs. 14 and 15, Page 9.

Meshing Snapping Roll Drive Bevel Gears

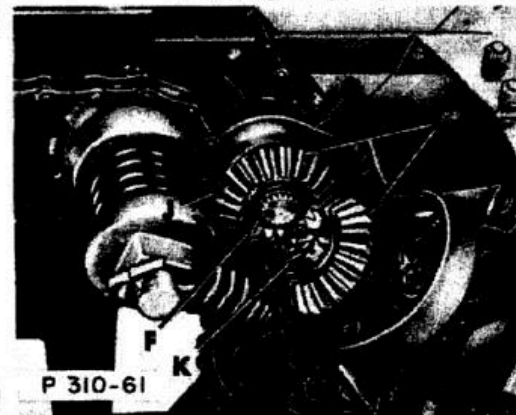


Figure 30



Figure 31

Figs. 30 and 31 - Mesh gears in these steps:
1. Remove snap ring "F" (Fig. 30).
2. Loosen locking collar "G" (Fig. 30).

3. Remove cotter pin "H" (Fig. 30).
4. Remove cotter pin from coupling next to gear case as shown at "I" (Fig. 31).
5. Drive shaft through gear "J" (Fig. 30).
6. Remove slotted nut and cotter pin "K" (Fig. 30) and remove gear.
7. Add or remove washers at "L" (Fig. 30) to attain .010 backlash on gears.

NOTE: Reverse procedure for reassembly.

NO. 323 ONE ROW PICKER

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OPERATING AND ADJUSTING (CONT'D)

Replacing Trunnion at Upper End of Roll



Figure 32

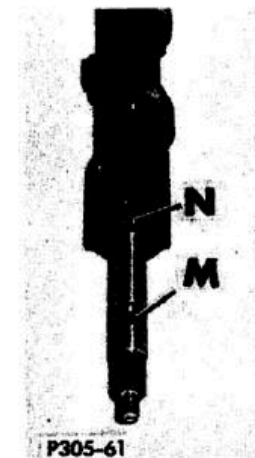


Figure 33

Figs. 32 and 33

When replacing trunnion, take these steps before replacing:

1. Carefully measure the distance that the old trunnion projects out of the roll, as shown, in (Fig. 32).
2. Mark the roll at "N" (Fig. 33) in line with keyway "M".
3. Cut off the old trunnion at the roll.
4. Drive out the pin through roll and trunnion.
5. With mark "N" (Fig. 33) in line with keyway "M" press the new trunnion into roll, pushing the stub ahead of it into roll, stop at measured distance determined in Step 1.
6. Drill a new hole for drive pin, drive pin into place.

NOTE: THESE STEPS ARE IMPORTANT!
STUDY THEM CAREFULLY.

Replacing Stub Shafts at the Lower End of Snapping Rolls

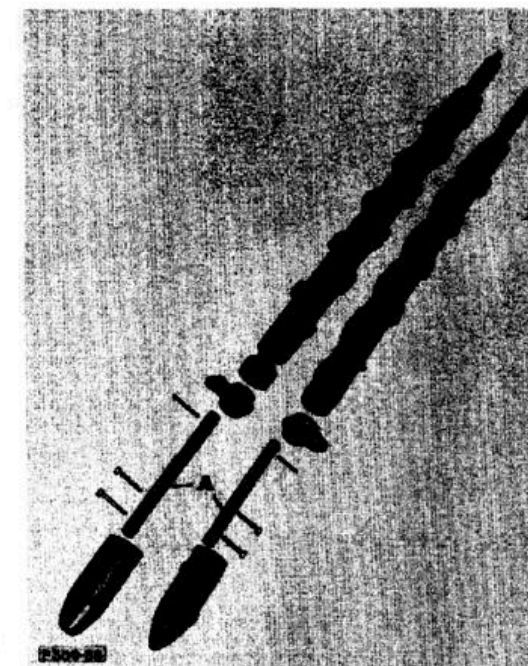


Figure 34

Fig. 34 - The components of the lower end of snapping rolls are as shown.

If the stub shafts "A" need to be replaced, take these steps before replacing:

1. Carefully measure the distance that the old shaft projects out of the roll (Similar to Fig. 32).
2. Cut off the old shaft at the roll.
3. Drive out the pin through the roll and shaft.
4. Press new shaft into roll, pushing the stub ahead of it into the roll, stop at measured distance determined in Step 1.
5. Drill a new hole for drive pin, drive pin into place.

NOTE: WHEN REPLACING BOLTS IN NOSE CONE, MAKE SURE TO USE HARDENED GRADE 5, MACHINE BOLTS, PART NO. 012841.

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OPERATING AND ADJUSTING (Cont'd)

Guide for Removing and Timing Husking Rolls

Drive Chain, Sprocket, Universal Joint and Shaft Assembly

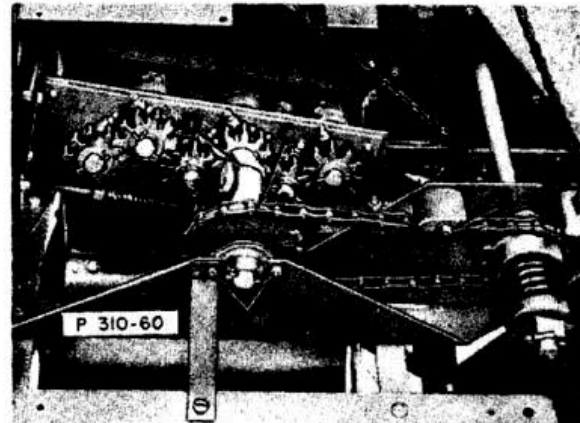


Figure 35

Fig. 35 - For ease of disassembly remove the shield over the husking bed drive.

Loosen nuts on the back side of tension rod "E" (lower rod also) to relieve all tension from rolls.

Remove the husking bed drive chain and shaft assembly in the following sequence:

1. Remove bolts "A" and loosen bolt "B"
2. Lift up on sprocket and shaft assembly "C" and move to the right so chain can be removed from sprockets.
3. Tap on joint "D" to remove sprocket, universal joint and shaft assembly from the machine.

Timing Husking Rolls

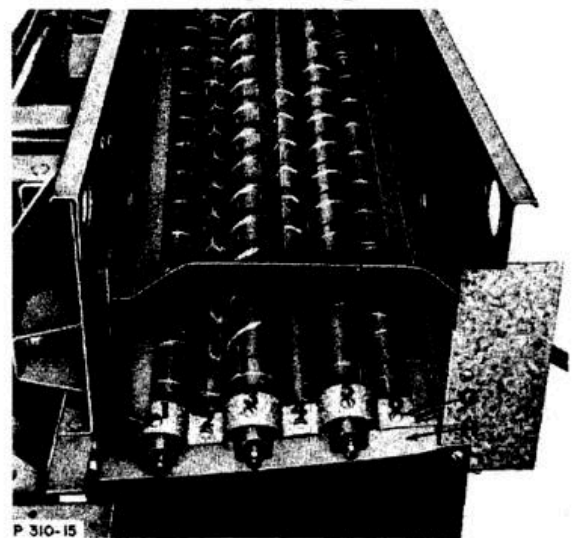


Figure 37

Figs. 37 and 38

1. Remove roll cover "G" and end shield "H" (Fig. 37).

NOTE: When reinstalling end shield "H": Adjust as close to elevator as possible in order to seal hopper.

Washer, Key and Bearings

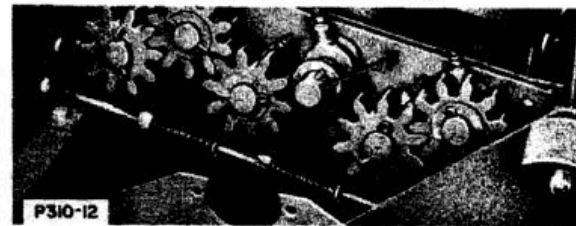


Figure 36

Fig. 36

1. Remove gear as shown.
2. Remove washer, key and bearing from truunion "F".

NOTE: To remove any of the lower rolls the mating upper roll must be removed first.

Roll Cover, End Shield and Bearings

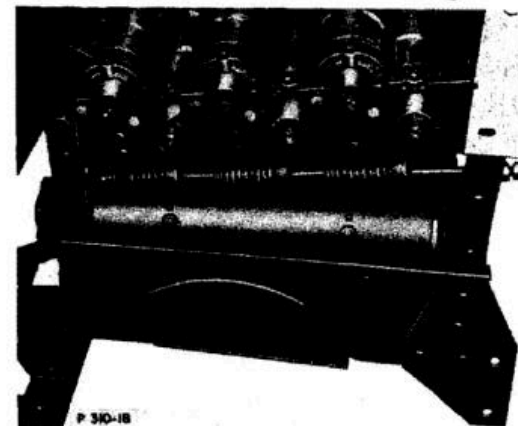


Figure 38

2. Remove bolts "T" (Fig. 38), cap "J", can then be removed.
3. Lift roll and bearing out of hanger, slide bearing off truunion, slide roll out of upper hanger and remove roll.
4. Reverse the procedure to replace a roll. Make sure rolls are timed properly as described below.

THE HUSKING ROLLS MUST BE TIMED AS SHOWN IN FIG. 37 FOR PROPER OPERATION. TO TIME THE HUSKING ROLLS PROCEED AS FOLLOWS:

With the spur gears removed and standing in back of the machine turn roll number 2 so the spirals and smooth surfaces run together with roll number 1. Replace spur gears as each roll is timed. Next time roll number 3 with number 2 and replace spur gears. Continue this procedure until all rolls are timed, always time the next roll with the one preceding it. Readjust spring tension on rolls. See Fig. 18, Page 10.

- NOTE A. Rubber husking rolls do not require timing.
- B. Rubber disc on rubber rolls are replaceable. When replacing, make sure to compress them as tight as possible so they will not turn on the shaft. See Page 54 for repair parts.

ASSEMBLY PROCEDURE

Shipping Bundles

Bdle No.	Description
323-0001	Main Frame Bundle
310-0002	Wagon Elevator Bundle
310-0003	Hitch Bundle

Optional Bundles Required

Bdle. No.	Description	Bdle. No.	Description
10-D	Lever Bdle.	200-U	Disc Wheel 20" x 7 - with 7.50 x 20 tire.
323-0002	Hydraulic Bdle.	200-W	Wheel 20" x 5.50 semi D.C. - less tire.
200-T	Disc Wheel 20" x 7 - less tire.		
311-0005	Hydraulic Lift Bdle. (For Single Acting Cylinder)		

Optional Attachment Bundle

Bdle. No.	Description
310-0007	Beater Bdle.
310-0009	Weed Shield Bdle.
310-0012	Cover Bdle.

Important Pre-Assembly Notes

- Determine right or left side of picker by viewing it from the rear.
- Lay out bundles and cut wires so parts are easily accessible.
- Unless instructions specify otherwise, leave bolts loose, going back to tighten any particular series when instructions suggest that it be done.
- Use bolts of types and sizes according to assembly instructions.

20" Axles and Wheels

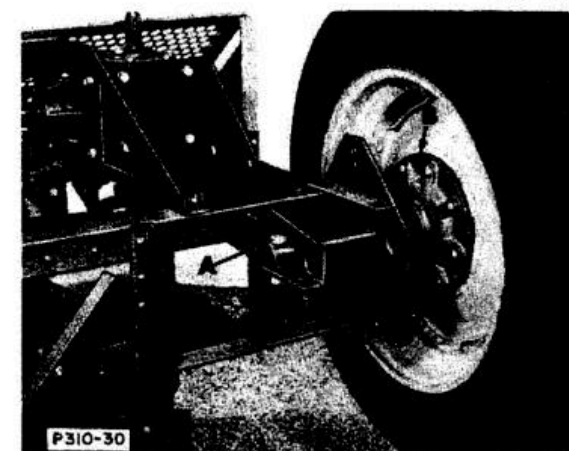


Figure 39

Fig. 39 - Install the left stub axle assembly as shown using a 5/8 x 3" machine bolt at "A". Attach the tire and rim assembly to hub "B" using (eight) 9/16 x 1" effective thread length hub bolts. Tighten all bolts.

NOTE: Axle hole used depends on picking conditions. Three axle positions are available as shown. However, it is recommended that the center position be used in set up as this position will be used in most conditions.

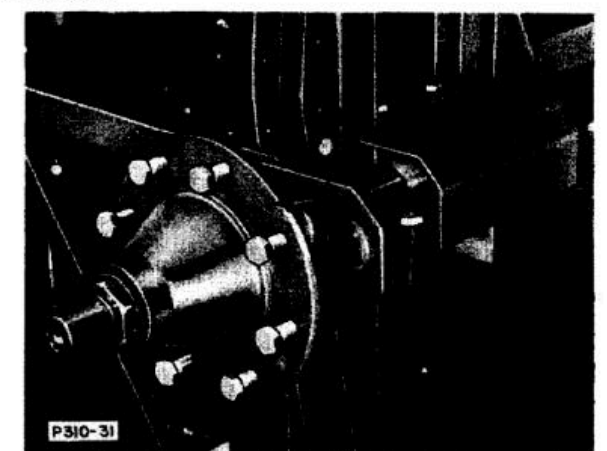


Figure 40

Fig. 40 - Install right stub axle as shown using a 5/8 x 3" machine bolt at "C". Bolt tire and rim assembly to hub "D" using (eight) 9/16 x 1" effective thread length hub bolts. Tighten all bolts.

CAUTION: Use a loader or hoist with a cable or chain attached to the unit to lower it to the floor. BE CAREFUL! "SAFETY IS OF YOUR CONCERN."

ASSEMBLY PROCEDURE (Cont'd)

Floating Shoes

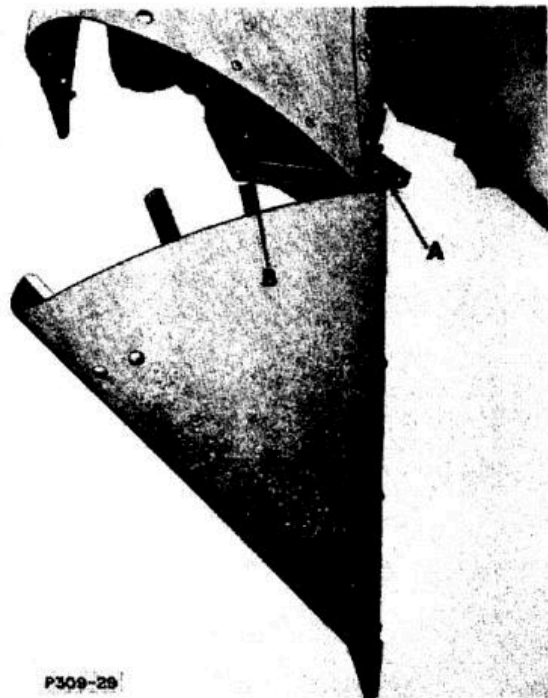


Figure 41

Figs. 41 and 42 - Remove pins, "U" clamps, cotter pins and washers from shoes. Attach the right shoe with pin "A" (Fig. 41) as shown. Insert pin "A" so it just enters the hole at "B". Pivot shoe into position and drive the pin through the rest of the way as shown in (Fig. 42).

Hitch

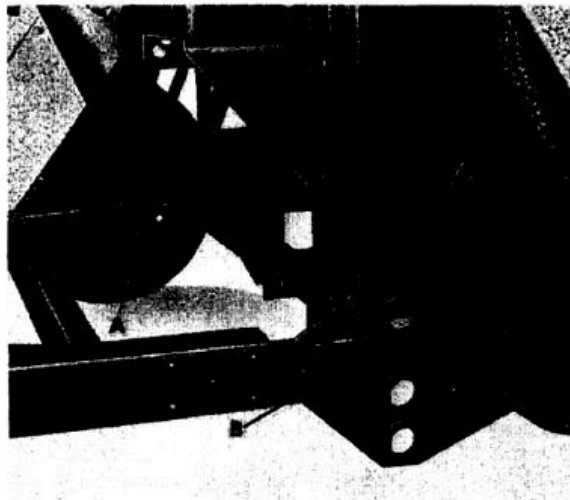


Figure 43

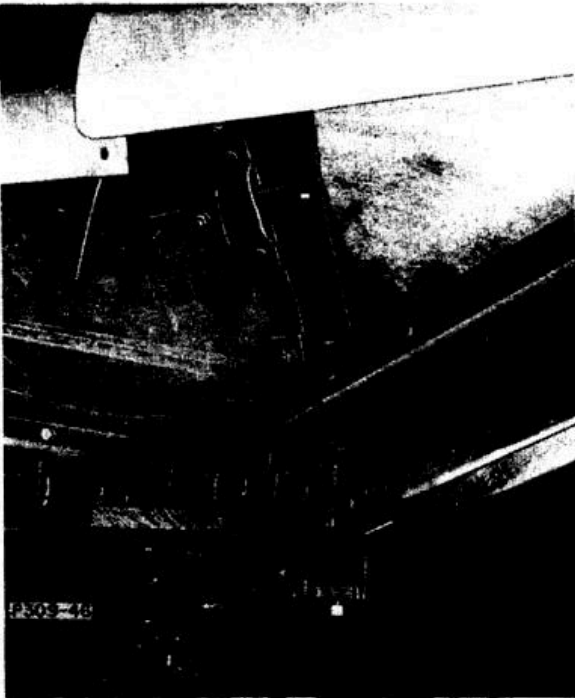


Figure 42

Install washers as needed and cotter pin at "C" (Fig. 42). Raise shoe, guiding stop plate into slot as shown. Install oblong washer "D" (Fig. 42), onto stop plate, followed with "U" clamp, "E", and bolt to one of the holes provided in stop plate. Insert cotter pin at "F". The left shoe attaches in the same manner. NOTE: For proper floating shoe adjustment see Fig. 11, Page 8.

Fig. 43 - Attach the hitch to frame at "A" using a 5/8 x 2" drilled machine bolt, 21/32" I.D. x 1-3/8" O.D. x 1/16" washer, 5/8" I.D. x 7/8" O.D. x 11/16" long bushing, 5/8" slotted nut and a 5/32 x 1-1/4" cotter pin. At "B" use a 5/8 x 1-1/4" drilled rivet and a 3/16 x 1-1/4" cotter pin. NOTE: For proper hitch location see Fig. 5, Page 7.

ASSEMBLY PROCEDURE (Cont'd)

Hand Lever and Sector

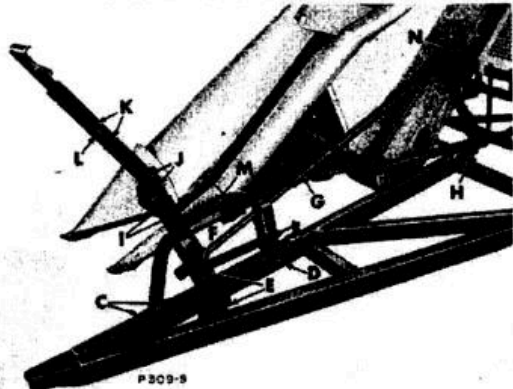


Figure 46

Fig. 46 - Attach the lever and sector in the following sequence:
1. Attach the lever sector to hitch using two 1/2 x 1-1/4" machine bolts at "C", and at "D" use a 5/8 x 4" machine bolt.
2. Remove bolts and bushings "E" from lower part of lever, then slide lower part of lever over sector. Loosen bolts "I".

3. Insert push rod assembly into position shown at "F". Insert drilled rivet "G" in one of the three holes as shown.
NOTE: Hole used depends on position of hitch at "H".
 4. Reinsert the lower bolt and bushing at "E".
 5. Install lift spring as shown with upper bolt and bushing "E", fasten other end to clip on hitch as shown using bolt found in spring.
 6. Attach center section of lever to adjusting plate using bolts "J".
 7. Bolt top section of lever to center section using carriage bolts "K".
 8. Attach lever latch rods as shown and lock together with clamp "L".
 9. BOLT "M" IN LEVER SECTOR SERVES AS A LIMIT STOP FOR THE LEVER. CHECK TO SEE THAT THIS BOLT IS IN PLACE AND TIGHTENED SECURELY.
 10. Attach upper end of push rod assembly to frame at "N" using a 5/8 x 1-3/4" machine bolt, 21/32" I.D. x 1-3/8" O.D. x 1/16" washer, and 7/8" O.D. x 3/8" long bushing.
 11. Tighten all bolts.
- NOTE: For proper adjustment of lever and lift spring see Fig. 4, Page 7.

Hydraulic Lift

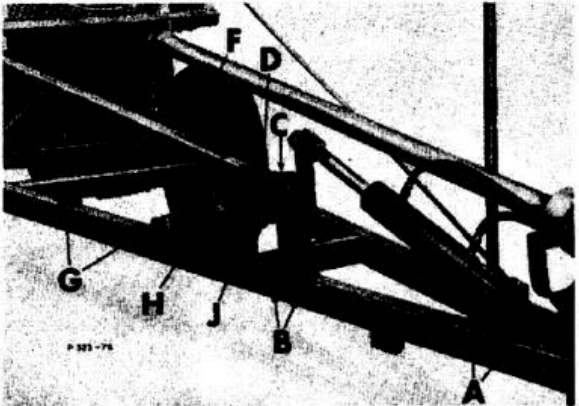


Figure 47

Figs. 47 & 48 - If the Hydraulic lift is to be used, attach it in the following sequence:
1. Attach cylinder anchor bracket to hitch at "A" (Fig. 47) using two 1/2 x 1-1/4" machine bolts.
2. Attach cylinder rocker arm assembly to hitch at "B" (Fig. 47) using bolts found in plates.
3. Remove bolts from outside clevis plate at "C" (Fig. 47). Install push rod extension assembly as shown at "D", then replace plate "C".

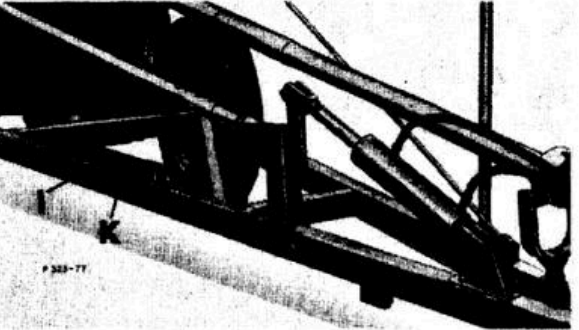


Figure 48

4. To install upper push rod "E" (Fig. 47), see Fig. 49, Step 10.
NOTE: Install pin "F" (Fig. 47) in the upper hole as shown.
 5. Attach clevises "G" (Fig. 47) to hitch using 3/8 x 1" machine bolts.
 6. Attach stabilizer "H" (Fig. 47) to clevis on hitch and rocker arm using pins and pin clips furnished. Tighten lock rod "J".
 7. Attach cylinder as shown.
- NOTES: A. With cylinder installed, reposition stabilizer "T" (Fig. 48) to position shown. Tighten lock rod "K".
B. Any single or double acting cylinder can be used providing they conform with ASAE standards, 20-1/8" contracted to 28-1/8" extended.
- However, if a single acting cylinder is being used, assist springs "X" (Fig. 47) must be attached to the hitch frame as shown. Adjust springs so the floating shoes return to the down position.

ASSEMBLY PROCEDURE (Cont'd)

Lever Sector and Agitator Drum Drive

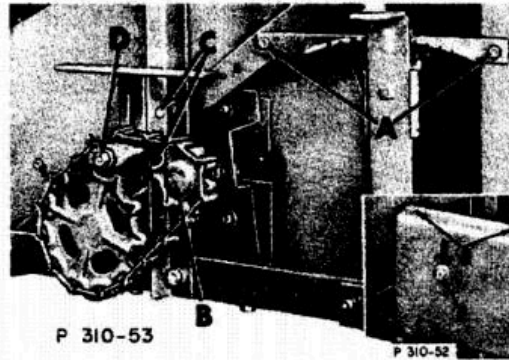


Figure 49

Fig. 49 - Place sector into position shown and attach to frame using two 5/16 x 3/4" machine bolts at "A". Tighten bolts.

Attach drum drive in this sequence:

1. Attach shield support to frame using two 5/16 x 3/4" machine bolts at "C".
2. Remove tape holding half moon key and washers on drum shaft "B". Install six tooth sprocket on to shaft over key holding it in place using a 3/8 x 3/4" hollow head set screw.
3. Install drive chain onto sprockets with the barrel leading in the direction of travel as shown.
4. Install the chain slide to the under side of the chain using a 3/8 x 2-3/4" carriage bolt "D".
5. Place chain shield over bracket and onto chain slide bolt using two 5/16 x 5/8" truss head machine screws at "E". At "F" use a 13/32" I.D. x 13/16" O.D. x 1/16" washer, lockwasher and nut. Tighten all bolts.

NOTE: Adjust chain slide until slack has been removed from chain.

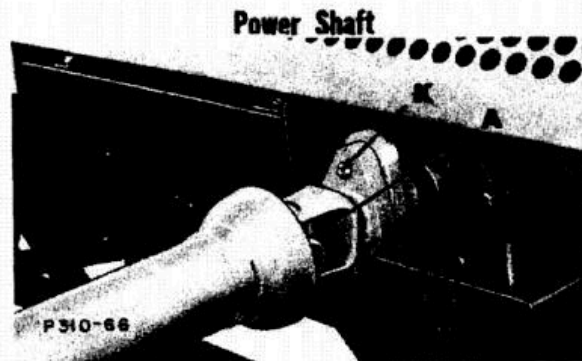


Figure 50

Fig. 50 - Remove paint from input shaft on gear case and hubs on power shaft.

Slide power shaft onto input shaft and secure in place using a 13/32" I.D. x 1-11/32" O.D. x 3/32" washer, 3/8" lock washer and 3/8 x 1" LEFT HAND THREAD MACHINE BOLT AT "A". Tighten bolt.

NOTE: Five extra hardened shear bolts, 6 flat washers and six lock nuts will be found in a small cotton bag. They are to be given to the user and replaced as required at "K".

Bearing Yoke, Bearing Housing and Front P. T. O. Assembly

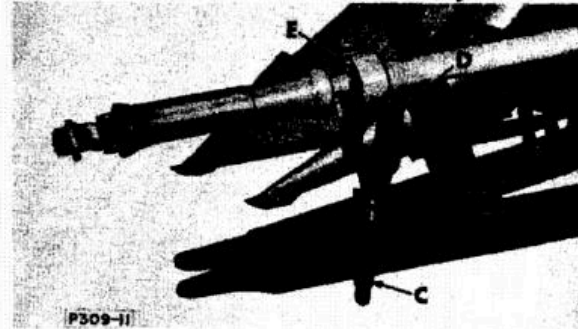


Figure 51

Fig. 51 - Remove clamp "C" from yoke. Insert yoke shaft through P.T.O. pivot bearing and reinstall clamp "C". Insert a 1/2" I.D. x 5/8" O.D. x 5-9/16" long bushing in the bearing housing and attach to yoke using a 1/2 x 7" machine bolt with locknut at "D". Tighten bolts.

Remove paint from splined shaft next to bearing housing and inside of both yokes on either end of the front power shaft assembly.

Remove jam nut and set screw "E". Slide power shaft onto splined shaft, making sure counter sunk hole in splined shaft aligns with hole for set screw in front power shaft. Reinstall and tighten set screw and jam nut "E".

NOTE: For proper power shaft alignment see Fig. 4, Page 7.

Support and Rope Guide

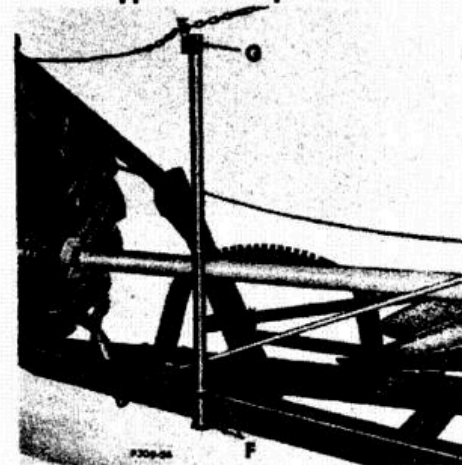


Figure 52

Fig. 52 - Bolt the support stand to the hitch using four 3/8 x 3/4" machine bolts "F". Slide rope guide over support stand as shown and clamp in place using a 3/8 x 1" machine bolt "G". Tighten bolts.

NOTE: Tie one end of the rope to the wagon elevator throwout. After the elevator is installed attach the other end to the ear deflector arm at the upper end of the elevator using wire hook provided. See Figure 8, Page 8.

ASSEMBLY PROCEDURE (Cont'd)

Wheel Shield Braces



Figure 53

Fig. 53 - When 20" wheels are used, use wheel shield brace "H" only. Attach brace "H" using bolts "T" found in the frame. At "J" use a 5/16 x 1-1/4" carriage bolt.

When 15" wheels are used, all three braces, "H", "K", and "L" are used. Attach brace "H" as described above. Attach brace "K" using a 3/8 x 1" machine bolt at "M" and brace "L" using two 3/8 x 3/4" machine bolts at "O".

NOTE: Do not tighten bolts until wheel shield has been installed.

Weed Shield and Upper Chain Shields

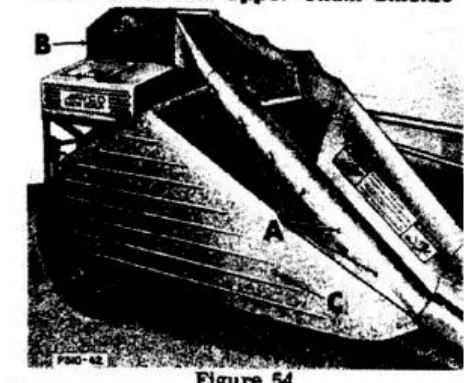


Figure 54

Fig. 54 -

1. Attach the wheel shield to the back side of long galvanized roll using eight 5/16 x 5/8" truss head machine screws at "A". Use 11/32" I.D. x 11/16" O.D. x 1/16" washers under nuts.
2. When 20" wheels are being used --- use a 5/16 x 7/8" truss head machine screw at "C", and in hole used at "D" use bolt, washer and spacer block found in axle.

NOTE: Place spacer block between shield and shaft.

3. When 15" wheels are being used --- use a 5/16 x 7/8" truss head machine screw at "C", and at "E" use 3/8 x 1" truss head machine screws.
4. Install the right and left upper chain shields "B" using 5/16 x 1/2" machine screws. Tighten bolts.

Wagon Elevator Hopper, Support and Sprocket

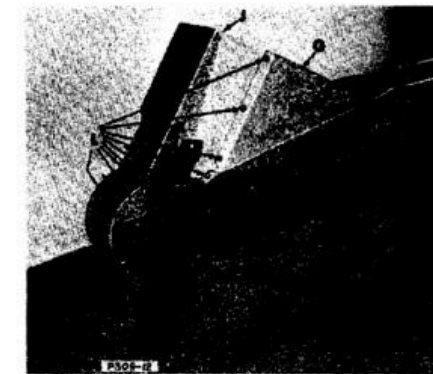


Figure 55

Fig. 55 & 56 Place the elevator on blocks or supports as shown, then install these parts in the following sequence:

1. Install the hopper side section "G" (Fig. 55) using four 5/16 x 5/8" truss head machine screws at "H". Note how this section fits between elevator side and bottom as shown in Fig. 56. At "I" use three 5/16 x 1/2" truss head machine screws.
2. Attach hopper front section "J" (Fig. 55) using a 5/16 x 5/8" truss head machine screw at "K", and nine 5/16 x 1/2" truss head machine screws at "L".
3. Slide wagon elevator support "N" (Fig. 55) onto boot shaft, follow with one 1-1/32" I.D. x 1-3/4" O.D. x 1/16" washer. Insert a No. 13 Woodruff key



Figure 56

3/16 x 1" in shaft. Slide eleven tooth sprocket "M" onto shaft over key fastening it in place using two 3/8 x 3/8" cup point set screws.

4. Attach lower inside filler sheet "R" (Fig. 56) using two 5/16 x 1/2" truss head machine screws at "S". At "T" use four 5/16 x 5/8" truss head machine screws. Tighten all bolts.

NOTE: Study these illustrations carefully. Notice in particular how these parts install. Make sure to install all bolts with the heads inside as shown.

ASSEMBLY PROCEDURE (Cont'd)

Positioning Elevator and Attaching Outer Support

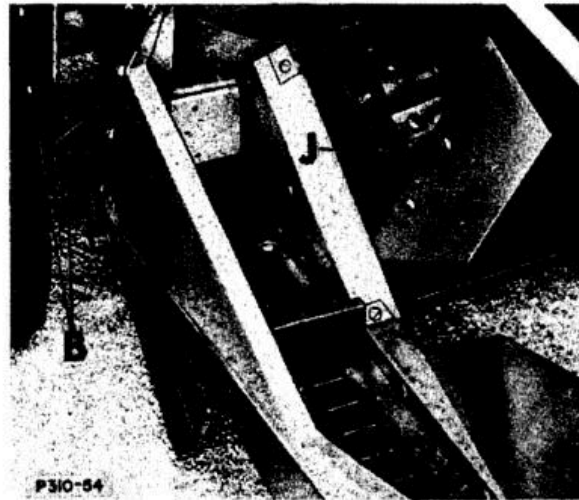


Figure 57

Figs. 57 & 58 - Lift the picker up until the frame just clears the floor on the back side (see Fig. 59). Put a support or blocks under the hitch to hold in this position.

Inside Elevator Support

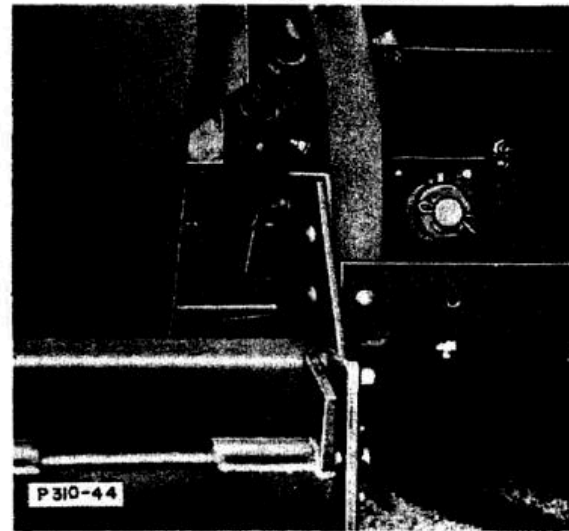


Figure 58

Slide the elevator into position shown. Use blocks or a support under elevator to hold in position, or hook up bail rod at this time, see Fig. 59. Note how elevator is supported at "A" in Fig. 58. Attach outer support at "B" (Fig. 57) using two 1/2 x 1" machine bolts.

Elevator Bail and Support Rod Assembly



Figure 59

Fig. 59 - Remove cotter pin "C" from bail, compress bail out of bracket. Slide support rod onto bail as shown. Then reinstall bail and cotter pin. Fasten lower end of support rod to hitch at "D" using a 1/2 x 1-1/2" drilled rivet and a 3/16 x 1" cotter pin.

Lower machine to its original position.

Elevator Brace and Wagon Hitch

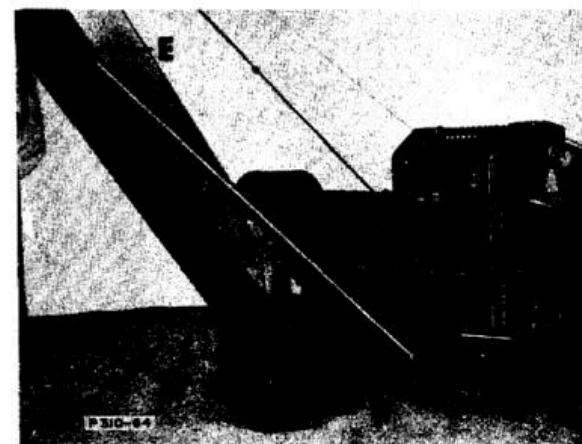


Figure 60

Fig. 60 - Attach brace to elevator at "E" using a 3/8 x 1-1/2" machine bolt, 7/16" I.D. x 1" O.D. x 1/16" washer and a 9/16" O.D. x 5/16" long bushing. Use double nuts on the bolt. Attach the lower end to frame at "F" using a 3/8 x 1-1/2" machine bolt, 7/16" I.D. x 1" O.D. x 1/16" washer and a 9/16" O.D. x 9/16" long bushing. Use double nuts on bolt. Tighten bolts.

Attach wagon hitch to frame at "G" and "H" using three 1/2 x 1-1/4" machine bolts. At "H" insert a 1/2 x 1-1/2" machine bolt less nut and lock washer.

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ASSEMBLY PROCEDURE (CONT'D) AND INSTALLATION OF OPTIONAL EQUIPMENT

Support Brace and Drive Chain



Figure 61

Fig. 61 -

1. Install elevator support brace on bolt "A" previously installed. Use a 1/2 x 1" machine bolt at "B". Tighten all bolts.
2. Install 1-1/4" extended pitch drive chain as shown. Adjust tightener "C" to the point where the chain will not whip or jump off sprockets. Check to see that sprockets and chain are aligned properly. To align chain, remove sprocket "D" and add or remove keywayed washers, 1-1/32" I.D. x 1-3/4" O.D. x 1/16".
3. Raise and lower the gathering unit a few times to see that side of elevator does not interfere with filler sheet "J", Fig. 57, Page 21. These two points should just clear; if they do not, loosen bolts in filler shield "J" and adjust or reposition washers found between it and the frame until this is attained.

NOTE: BEFORE RUNNING THE MACHINE BE SURE TO FILL THE MAIN GEAR CASE TO THE CHECK LEVEL PLUG WITH #90 TRANSMISSION OIL.

Installation of Optional Equipment—Installing Beater Attachment

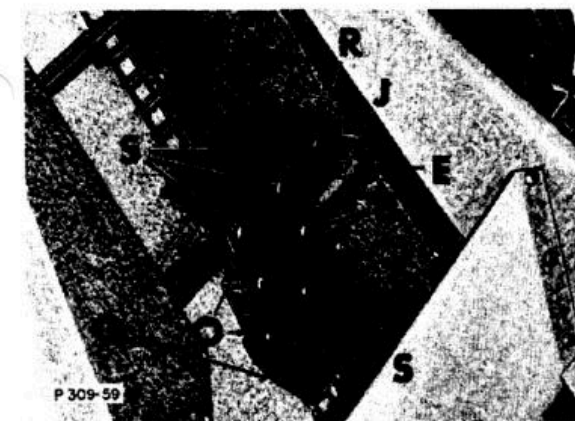


Figure 62

Fig. 62 & 63 - Remove perforated disc at "E" (Fig. 62) and install beater in the following sequence:

1. Insert 1/2 x 3" carriage bolt "I" (Fig. 63) through support assembly "F" followed with a 17/32" I.D. x 1-1/8" O.D. x 1/8" washer on bolt, 3/4" O.D. x 1-15/16" long bushing, 13 tooth sprocket assembly "H", another 17/32" I.D. x 1-1/8" O.D. x 1/8" washer, 1/2" lockwasher and nut.
2. Attach beater hub "J" (Fig. 62) to support assembly "F" (Fig. 63) using a 3/8 x 1" machine bolt at "K" (Fig. 63).
3. Now attach support assembly "F" (Fig. 63) to long galvanized roll using two 5/16 x 3/4" truss head machine screws "G", and two 3/8 x 1" machine bolts at "L". Tighten all bolts.
4. Slide 19 tooth sprocket "M" (Fig. 63) with hub to inside onto beater shaft and secure in place using a 5/16 x 2-1/4" drilled rivet and a 1/8 x 3/4" cotter pin.

-22-

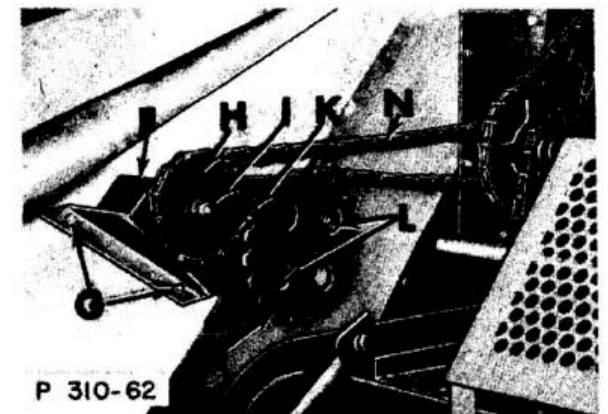


Figure 63

5. Now insert beater shaft into hub "J" (Fig. 62).
6. Install 1-1/4" extended pitch drive chain "N" (Fig. 63) onto sprockets as shown. Align chain with sprockets using 1-1/32" I.D. x 1-5/8" O.D. x 1/16" washers between sprocket "M" and hub.
- NOTE:** After chain has been aligned place washers that may be left between hub "J" (Fig. 62) and blades.
7. Insert a 1/8" N.P.T. 45° grease fitting in hub "J" (Fig. 62).
8. Attach right and left blades "O" (Fig. 62) onto beater shaft using 3/8 x 2" carriage bolts at "P".
9. Bolt rubber flaps "Q" (Fig. 62) onto blades using 5/16 x 1" carriage bolts at "S". Strip "R" is to be installed next to both flaps as shown. Tighten all bolts.

INSTALLATION OF OPTIONAL EQUIPMENT (CONT'D)

Weed Shields

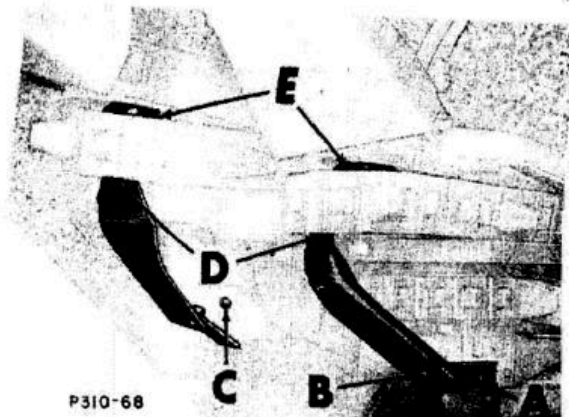


Figure 64

- Fig. 64 -
1. Remove the upper gathering chain sprockets and cones. Remove bolts "A" from frame.
 2. Place cupped washers "E" on sprocket bolts, follow with cone, sprocket and weed shields as shown.
 3. Attach left bracket to frame at "A" using bolts found in bracket.
 4. Fasten left weed shield to bracket at "B" using bolt found in shield. Adjust gathering chain, then tighten all bolts.
 5. Attach right bracket to weed shield with bolt found in bracket. Adjust gathering chain.
 6. Position right bracket against outside of frame at "C", then drill a 13/32" hole through frame. Attach bracket to frame using bolt found in bracket. Tighten all bolts.

NOTE: If there is interference between the sprockets and shields at "D", bend shields down slightly to clear sprocket.

Elevator Cover

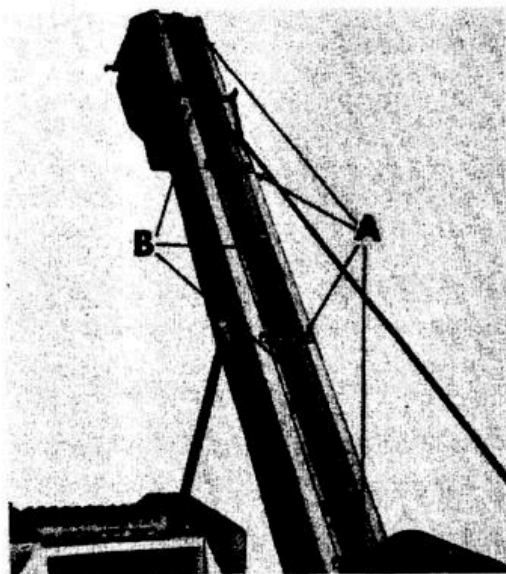


Figure 65

Fig. 65 - Attach angles "A" to elevator and sheets "B" to angles as shown using 5/16 x 5/8" machine screws. Tighten all bolts.

ORDERING REPAIR PARTS AND INDEX

WHEN ORDERING REPAIR PARTS

1. Order from your Avco 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 front corner of the main frame, 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 Picker. Determine by standing at rear of Picker and looking in the direction of travel.
6. Part description tells if more than one of part is used.

 COLDWATER, OHIO, U.S.A.	
LOT No.	_____
SERIAL No.	_____
Enter Lot and Serial number here for future reference.	

Because our engineers are constantly improving products, we reserve the right to change design and/or specifications without notice.

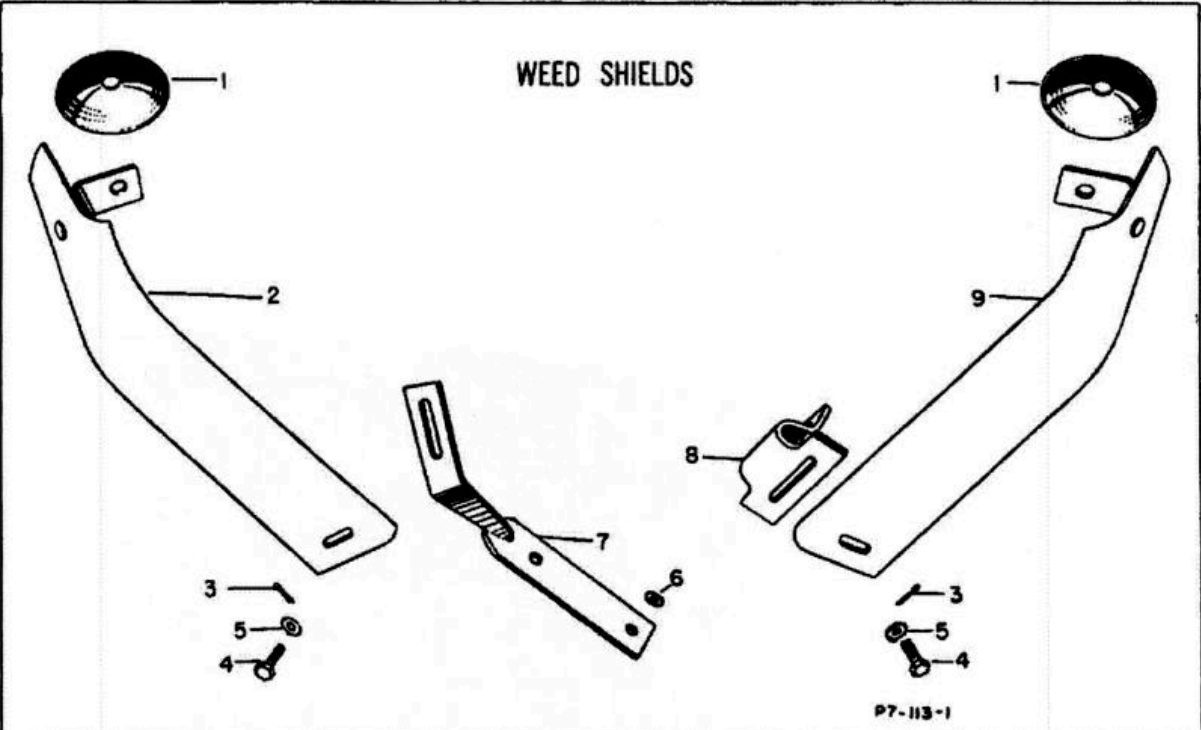
WARRANTY REGISTRATION

- Your dealer has sent the warranty registration on your machine to the home office.
- Read your full year warranty carefully and keep it in a safe place for future reference.

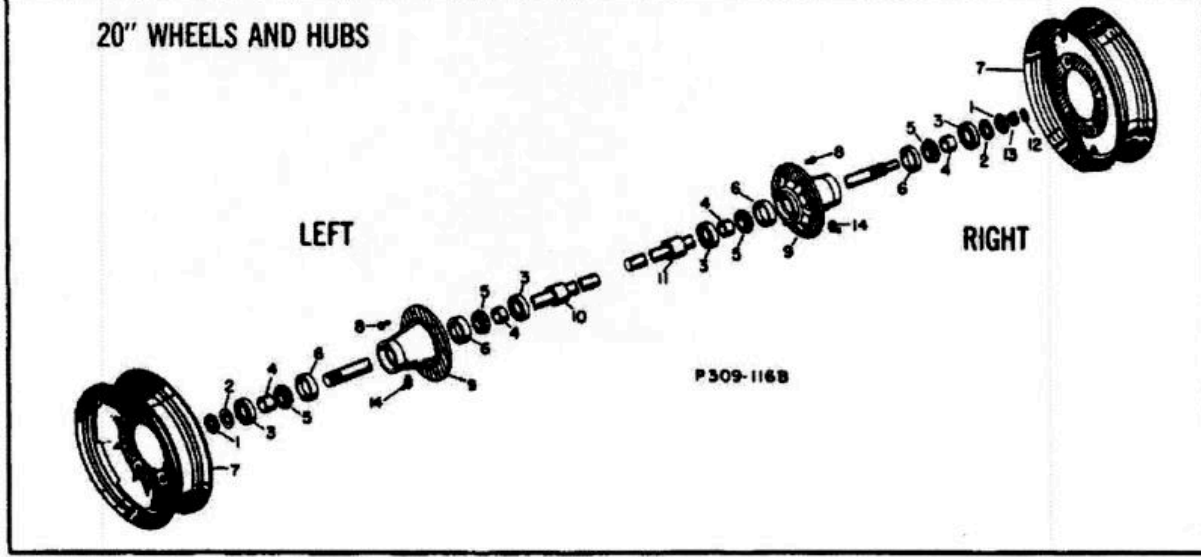
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REPAIR PARTS



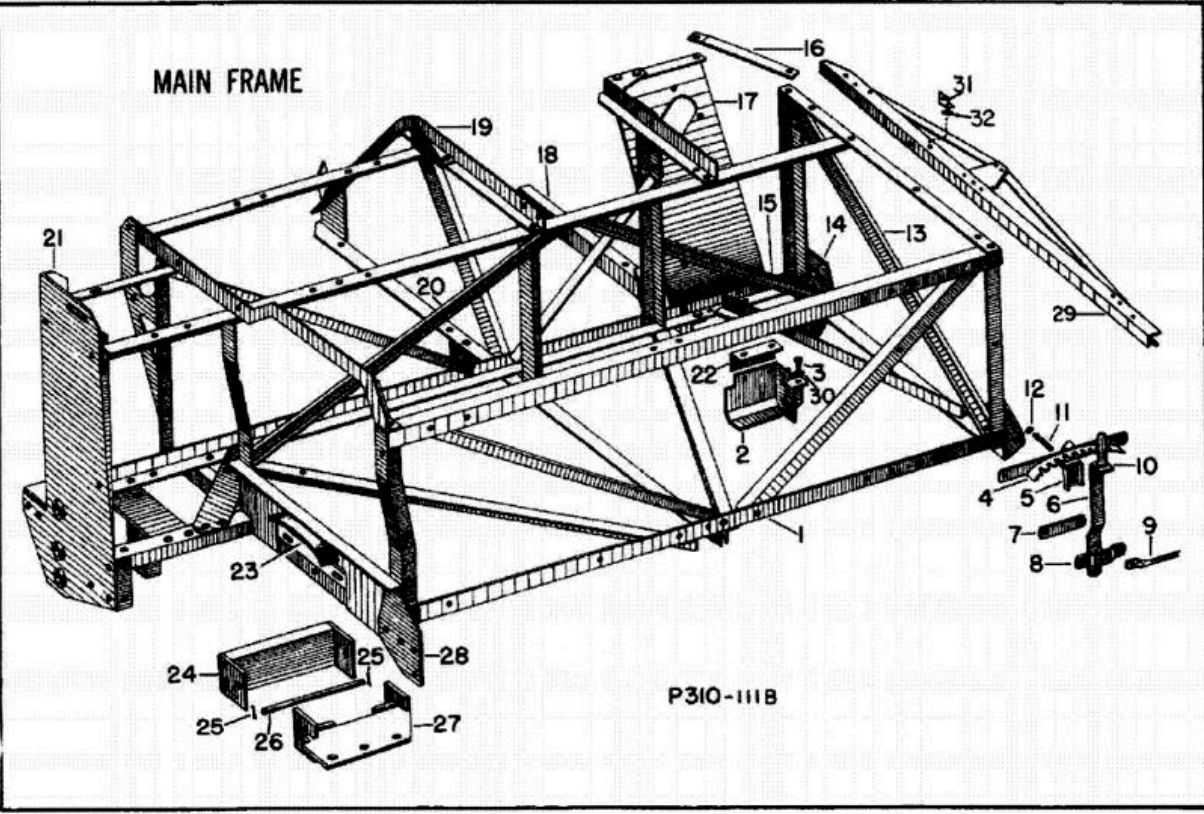
Key	Part Number	Part Description	Used
1	1360 P	Sand caps for lower idler sprocket	2
2	1523 PA	Left weed shield	1
3	010210	Cotter pin, 3/32 x 3/4"	2
4	2747 P	Machine bolt, 5/16 x 1" drilled	2
5	K 3037	Washer 11/32" I.D. x 11/16" O.D. x 1/16"	2
6	K 3004	Washer 13/32" I.D. x 13/16 O.D. x 1/16"	1
7	2920 PA	Weed shield bracket, left	1
	013586	Bolt, machine 3/8 x 1-1/4"	2
8	2913 PA	Weed shield bracket, right	1
	013563	Bolt, machine, 5/16 x 3/4"	1
9	1522 PA	Right weed shield	1



REPAIR PARTS

20" WHEEL HUB ASSEMBLIES (CONT'D)

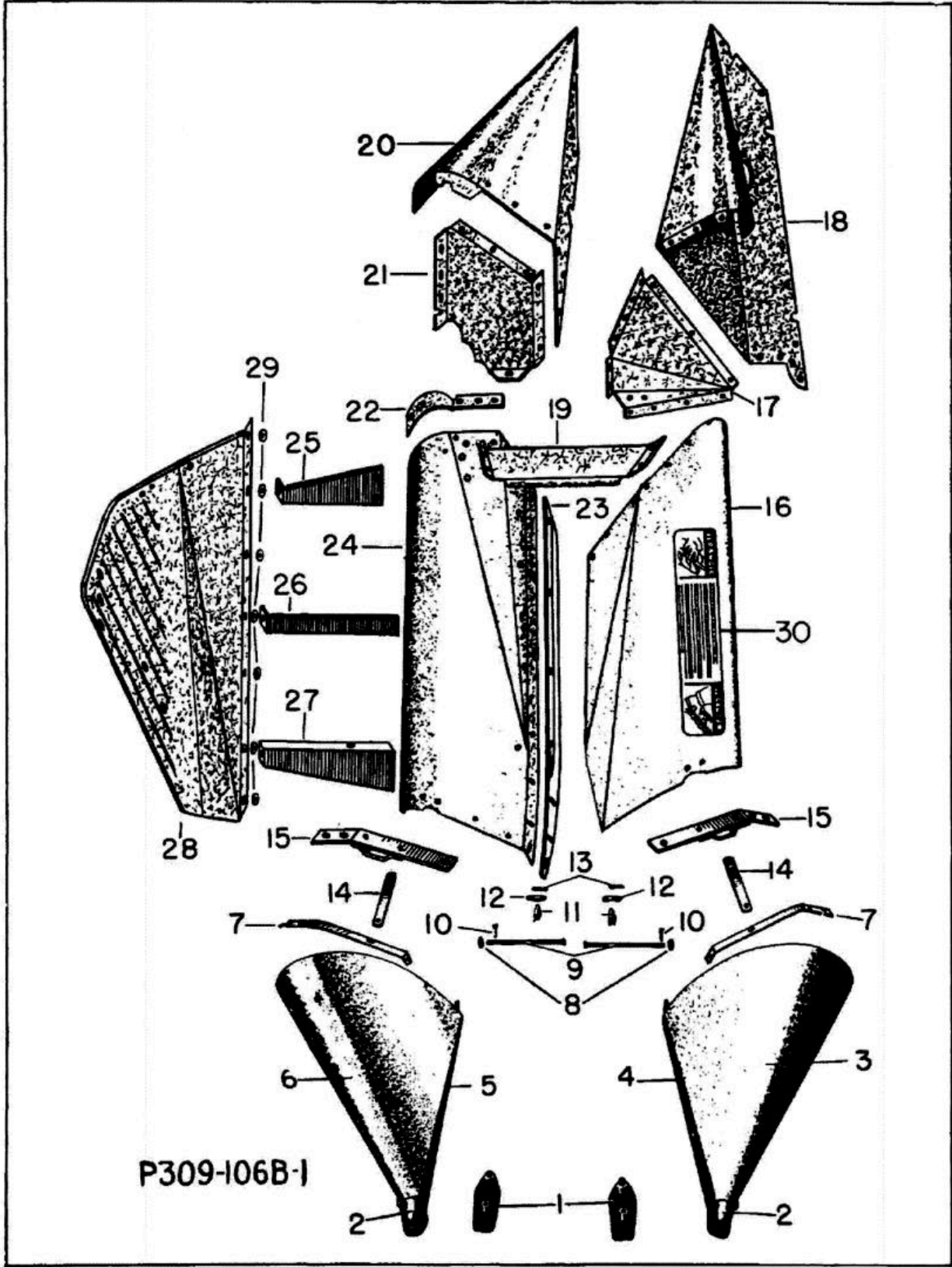
Key	Part Number	Part Description	Used
1	2634 P	Axle nut, 1-1/2" threaded 12 N.F.L.	2
2	2635 P	Washer locking type, 1-33/64" I.D. 2-9/16" O.D., 5/64" thick	2
3	K 3365	Oil seal, 1-13/16" I.D., 2-9/16" O.D., 1/2" thick	4
4	200839	Stub axle spacer, 1-1/2" I.D., 1-13/16" O.D., 21/32" long	4
5	K 4935	Bearing cone, 1-1/2" I.D.	4
6	K 4936	Bearing cup, 2-9/16" O.D.	4
7	K 3374	Disc wheel, 20 x 7 D.C.	2
	K 2598A	Disc wheel, 20 x 5.50 D.C. with ring	2
	K 2599	Ring for disc wheel K 2598	2
8	1078 S	Hub bolt, 9/16" dia., 1" effective thread length.	12
9	200834	Wheel hub (Order 200835)	2
	200835	Wheel hub with two bearing cups	2
10	301783	Stub axle, left, 17-1/4" long	1
	013644	Bolt, machine, 5/8 x 3"	
11	301786	Stub axle, right, 19" long	1
	013644	Bolt, machine, 5/8 x 3"	
12	K 2881	Washer, 9/16" I.D., 1-3/8" O.D., 1/16" thick	1
13	301045	Spacer Block, 1/2 x 1-1/2 x 1-1/2"	1
14	011968	Grease fitting, 1/8" N.P.T., 67-1/2 degree	2



REPAIR PARTS

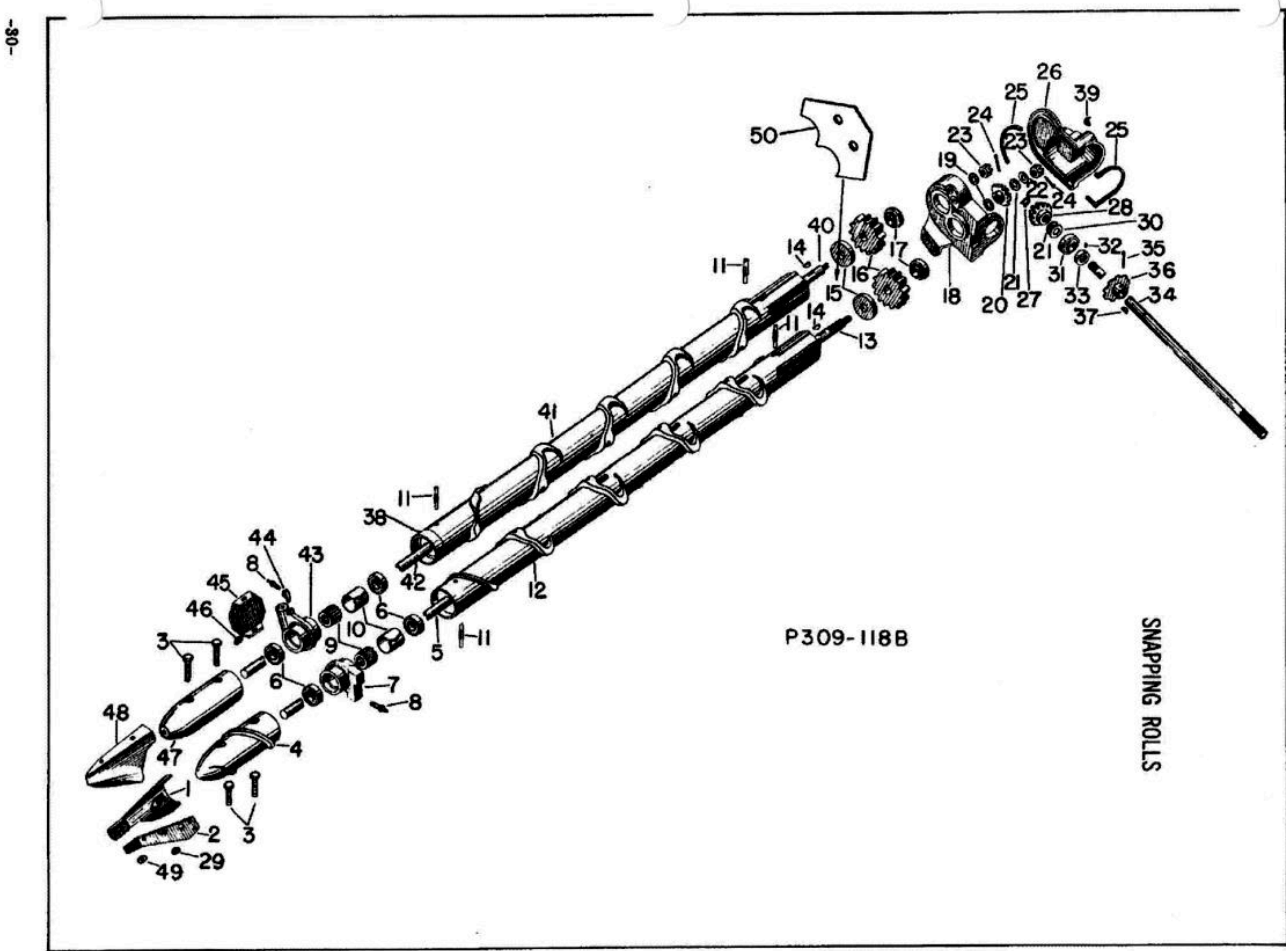
Key	Part Number	Part Description	Used
1	301367	Main frame assembly	1
2	301414	Stalk deflector and wheel adjusting plate	1
	014077	Machine bolt 1/2 x 1"	2
3	K 2629	Machine bolt 3/8 x 1" hardened for snapping roll adjusting frame . .	1
4	01625 PMA	Snapping roll adjustment sector	1
	013563	Machine bolt 5/16 x 3/4"	2
5	110 PM	Lever retainer clip	1
	013598	Machine bolt 3/8 x 4"	1
6	01645 PMA	Snapping roll adjusting lever	1
7	01631 PM	Front pivot plate 1/4 x 2" flat 6-3/8" long	1
	013586	Machine bolt 3/8 x 1-1/4"	1
	013588	Machine bolt 3/8 x 1-1/2"	1
8	01629 PMA	Rear pivot plate	1
9	01487 PM	Adjustment rod	1
10	K 3377	Snapping roll adjusting lever grip	1
11	2002 P	Compression spring 27/64" I.D., 8 coils	1
12	K 3004	Washer 13/32" I.D., 13/16" O.D., 1/16" thick	1
13	2333 P	Right end diagonal brace 29-5/16" long	1
	014077	Machine bolt 1/2 x 1"	3
14	2655 P	Right hand axle plate 3/16 x 10" flat 16-3/8" long	1
	013025	Button head rivet 3/8 x 7/8"	4
15	301413	Right hand center truss brace 34-1/2" long	1
	014077	Machine bolt 1/2 x 1"	2
16	301528	Brace for snapping unit plate 1/4" thick x 1-1/2" wide x 15-13/16" long	1
	014077	Machine bolt 1/2 x 1"	2
17	301461	Snapping unit plate assembly	1
	014077	Machine bolt 1/2 x 1"	4
18	301525	Snapping roll angle brace 31-9/16" long	1
	013841	Carriage bolt 1/2 x 1"	2
	014077	Machine bolt 1/2 x 1"	1
	013604	Machine bolt 7/16 x 1"	1
19	301401	Push rod bracket	1
	013032	Button head rivet 7/16 x 7/8"	1
	013034	Button head rivet 7/16 x 1-1/8"	1
20	301412	Left hand center truss brace 33-5/16" long	1
	014077	Machine bolt 1/2 x 1"	2
21	301402	Left end plate assembly and axle adjustment plate	1
	013024	Button head rivet 3/8 x 3/4"	2
	013032	Button head rivet 7/16 x 7/8"	3
22	301374	Angle clip	1
	013026	Button head rivet 3/8 x 1"	1
	013034	Button head rivet 7/16 x 1-1/8"	1
23	301411	Elevator inner slide support	1
24	301709	Drawbar support	1
	013613	Machine bolt 1/2 x 1-1/4"	3
	013614	Machine bolt 1/2 x 1-1/2"	1
25	010230	Cotter pin 3/16 x 1-1/4"	2
26	301715	Drawbar support cross pin 5/8" dia. 11-5/8" long	1
27	301712	Wagon drawbar assembly	1
28	301406	Drawbar support plate	1
	013026	Button head rivet 3/8 x 1"	2
29	301526	Adjusting angle assembly	1
	013616	Machine bolt, 1/2 x 2"	1
	013613	Machine bolt, 1/2 x 1-1/4"	1
	014077	Machine bolt, 1/2 x 1"	1
30	K 3913	Washer, 13/32" I.D. x 1-3/8" O.D. x 1/16"	1
31	761620	Shield support	1
32	K 3073	Washer, 11/32" I.D. x 1-3/8" O.D. x 1/16" thick	1

REPAIR PARTS



REPAIR PARTS

Key	Part Number	Part Description	Used
1	300400	Toe Extension	2
	014020	Machine screw, 3/8 x 1-1/4" flat hd.	2
2	E 2X	Toe for gathering unit.	2
	013817	Carriage bolt, 5/16 x 2-1/2"	1
3	1601 PA	Floating shoe assembly, left	1
4	1222 PA	Runner for shoe, left	1
	013978	Machine screw, 1/4 x 3/4"	2
5	1221 PA	Runner for shoe, right	1
	013978	Machine screw, 1/4 x 3/4"	2
6	1600 PA	Floating shoe assembly, right	1
7	1599 P	Brace for floating shoe	2
	013811	Carriage bolt, 5/16 x 3/4"	4
8	K 2880	Washer, 7/16" I.D. x 1" O.D. x 1/16" thick	2
9	010353	Pin for floating shoes, 3/8" dia. x 7-1/2"	2
10	010214	Cotter pin, 1/8 x 3/4"	2
11	1350 P	U clamp	2
12	1349 P	Special washer, 1-1/4" x 2-1/8"	2
13	010229	Cotter pin, 3/16 x 1"	2
14	1351 P	Limit stop plate, 1 x 6-1/2 x 3/16"	2
15	1215 PA	Lower support brace for long roll sub assembly	2
	013812	Carriage bolt, 5/16 x 1"	4
	013583	Bolt, machine, 3/8 x 1"	2
16	301682	Inside long gathering roll assembly	1
	013976	Machine screw, 1/4 x 1/2"	6
	013987	Machine screw, 5/16 x 5/8"	4
17	301681	First elevator hopper front	1
	013987	Machine screw, 5/16 x 5/8"	7
18	301679	First elevator transition assembly, left	1
	013987	Machine screw, 5/16 x 5/8"	8
19	301690	Stalk breaker	1
	013986	Machine screw, 5/16 x 1/2"	6
20	302045	First elevator transition assembly right	1
	013987	Machine screw, 5/16 x 5/8"	4
21	302047	Snapping unit rear sheet assembly	1
	013986	Machine screw, 5/16 x 1/2"	6
22	301689	Upper clamp plate	1
	013978	Machine screw, 1/4 x 3/4"	5
23	303593	Long gathering chain stripper	1
	013987	Machine screw, 5/16 x 5/8"	7
24	303590	Right gathering unit roll assembly	1
25	301772	Support brace	1
	013580	Machine bolt, 3/8 x 3/4"	2
	013999	Machine screw, 3/8 x 1"	1
26	301771	Support brace	1
	013583	Machine bolt, 3/8 x 1"	1
	013999	Machine screw, 3/8 x 1"	1
27	302520	Support brace	1
	013999	Machine screw, 3/8 x 1"	1
28	303597	Wheel shield assembly	1
	013987	Machine screw, 5/16 x 5/8"	6
	013614	Machine bolt, 1/2 x 1-1/2"	1
29	K 3037	Washer, 11/32" I.D. x 11/16" O.D. x 1/16"	6
30	305994	Decal-Danger	1

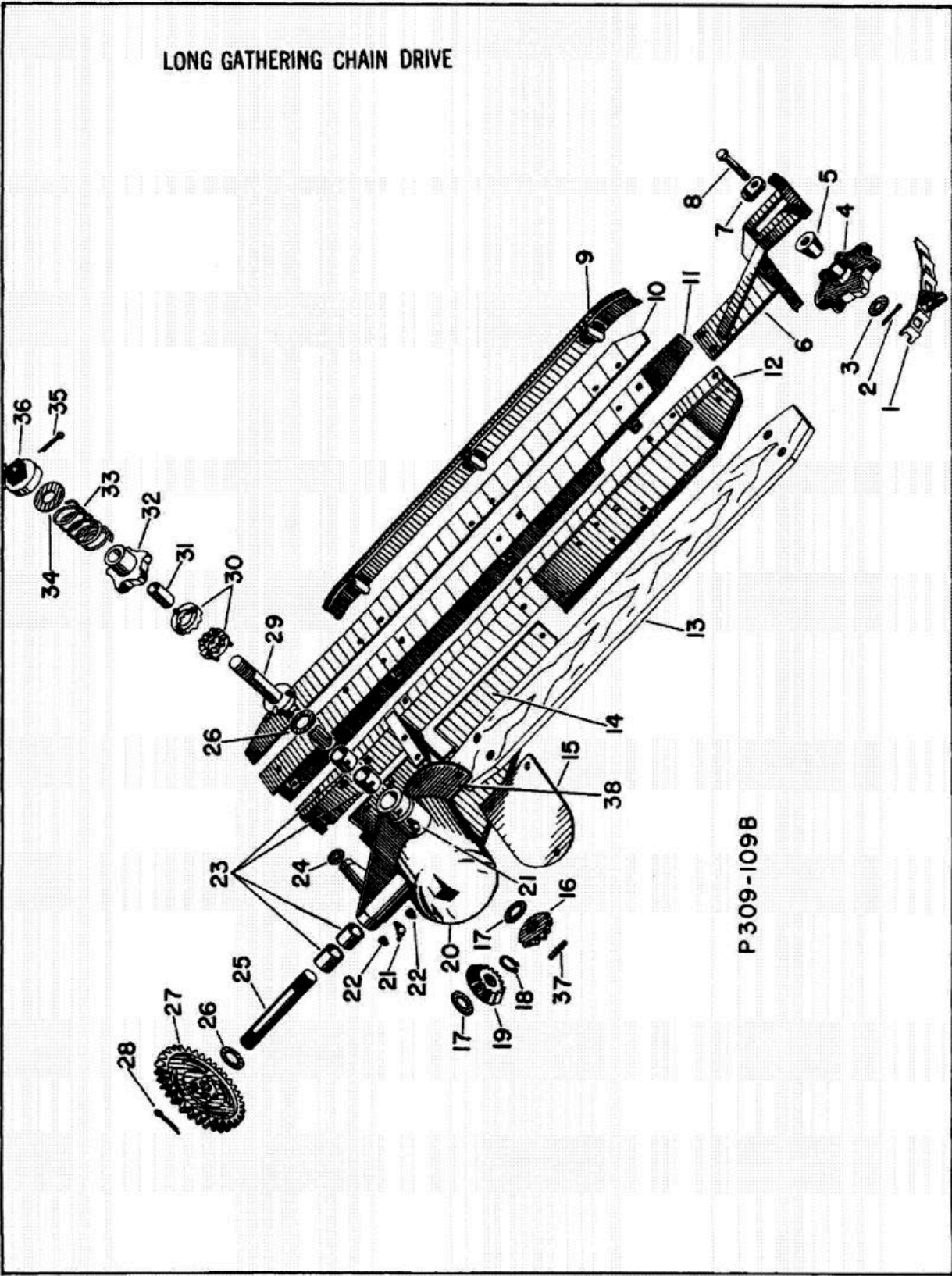


REPAIR PARTS

REPAIR PARTS

Key	Part Number	Part Description	Used
1	301513	Entry guide assembly	1
	013565	Machine bolt, 5/16 x 1"	1
2	1136 P	Entry guide bracket, right	1
	013583	Machine bolt, 3/8 x 1"	2
	013978	Machine screw, 1/4 x 3/4" truss hd.	1
3	012841	Machine bolt, 3/8 x 1-3/8", grade 5	4
4	725193	Lower roll tip, R.H.	1
5	725204	Lower trunnion shaft, inner, 1" O.D. x 10-3/4" long	1
6	K 4652	Grease seal, 1/4" wide	4
7	301501	Bearing housing, inner	1
8	011964	Grease fitting, 1/8" N.P.T. - 1-3/4" long	2
9	K 4650	Roller bearing, 1" I.D. x 1-1/2" O.D. x 1-7/16"	2
10	K 4651	Split outer sleeve, 1-1/2" x 1-1/2"	2
11	K 1647	Drive pin, 5/16 x 2-1/2"	4
12	300057	Snapping roll, inner (Order 308282)	1
	308282	Snapping roll, inner, with trunnions	1
13	301496	Upper trunnion, 1-1/4" dia., 11" long	1
14	011271	Key #18 Woodruff 1/4" x 1-1/8"	2
15	301232	Spacer, 1-9/32" I.D. x 2-3/4" O.D. x 9/16" wide	2
16	300050	Spur gear, 13 tooth, 1-1/4" bore, keywayed	2
17	010830	Ball bearing, 1-1/4" dia.	2
18	301492	Snapping roll drive box	1
	013613	Machine bolt, 1/2 x 1-1/4"	4
19	K 2804	Washer, 21/32" I.D. x 1-1/2" O.D. x 3/16" thick	2
20	301498	Bevel gear, 20 tooth, splined	1
21	K 3497	Washer, 1-9/32" I.D. x 2" O.D. x 1/16" thick	1
22	K 3629	Washer, 1-9/32" I.D. x 2" O.D. x 1/32" thick	1
23	K 2572	Nut, 5/8 - slotted	2
24	010231	Cotter pin, 3/16 x 1-1/2"	2
25	301692	Braided packing	1
26	301691	Gear box cover	1
	013599	Machine bolt, 3/8 x 4-1/2"	2
	013586	Machine bolt, 3/8 x 1-1/4"	2
27	K 3504	Snap ring, external, 1-1/4"	1
28	301578	Bevel gear, 19 tooth, splined	1
29	K 2878	Washer, 21/64" I.D. x 3/4" O.D. x 3/64" thick	1
30	K 1780	Washer, 1-9/32" I.D. x 2" O.D. x 3/32" thick	1
31	K 2751	Ball bearing, 1-1/4" I.D.	1
32	K 2693	Set screw, 5/16 x 5/16 hollow hd.	1
33	K 2810	Locking collar, 1-1/4" I.D.	1
34	301575	Cross shaft, 1-1/4" dia., 42-3/4" long	1
35	010248	Cotter pin, 1/4 x 2-3/4"	2
36	302859	Sprocket, 8 tooth for No. 2050	1
37	011273	Key #21 Woodruff 1/4 x 1-1/4"	1
38	302053	Roll extension - 2-3/4" O.D. x 1-7/8" long - 1" bore	1
39	011969	Grease fitting, 1/8 N.P.T. - 90°	1
40	301497	Trunnion, 1-1/4" dia., 9-1/2" long	1
41	300056	Snapping roll, outer, (Order 308283)	1
	308283	Snapping roll, outer, with trunnions	1
42	725203	Lower trunnion shaft, outer, 1" O.D. x 12" long	1
43	301502	Bearing housing outer	1
44	K 2574	Street ell, 1/8 N.P.T. 90°	1
45	301503	Bearing support	1
	013626	Machine bolt, 1/2 x 4-1/2"	1
46	K 1852	Washer, 17/32" I.D. x 1" O.D. x 1/16" thick	3
	013613	Machine bolt, 1/2 x 1-1/4"	2
47	725192	Upper roll tip	1
48	301515	Entry guide	1
49	K 2879	Washer, 3/8" I.D. x 7/8" O.D. x 3/64" thick	1
50	307000	Plate	1

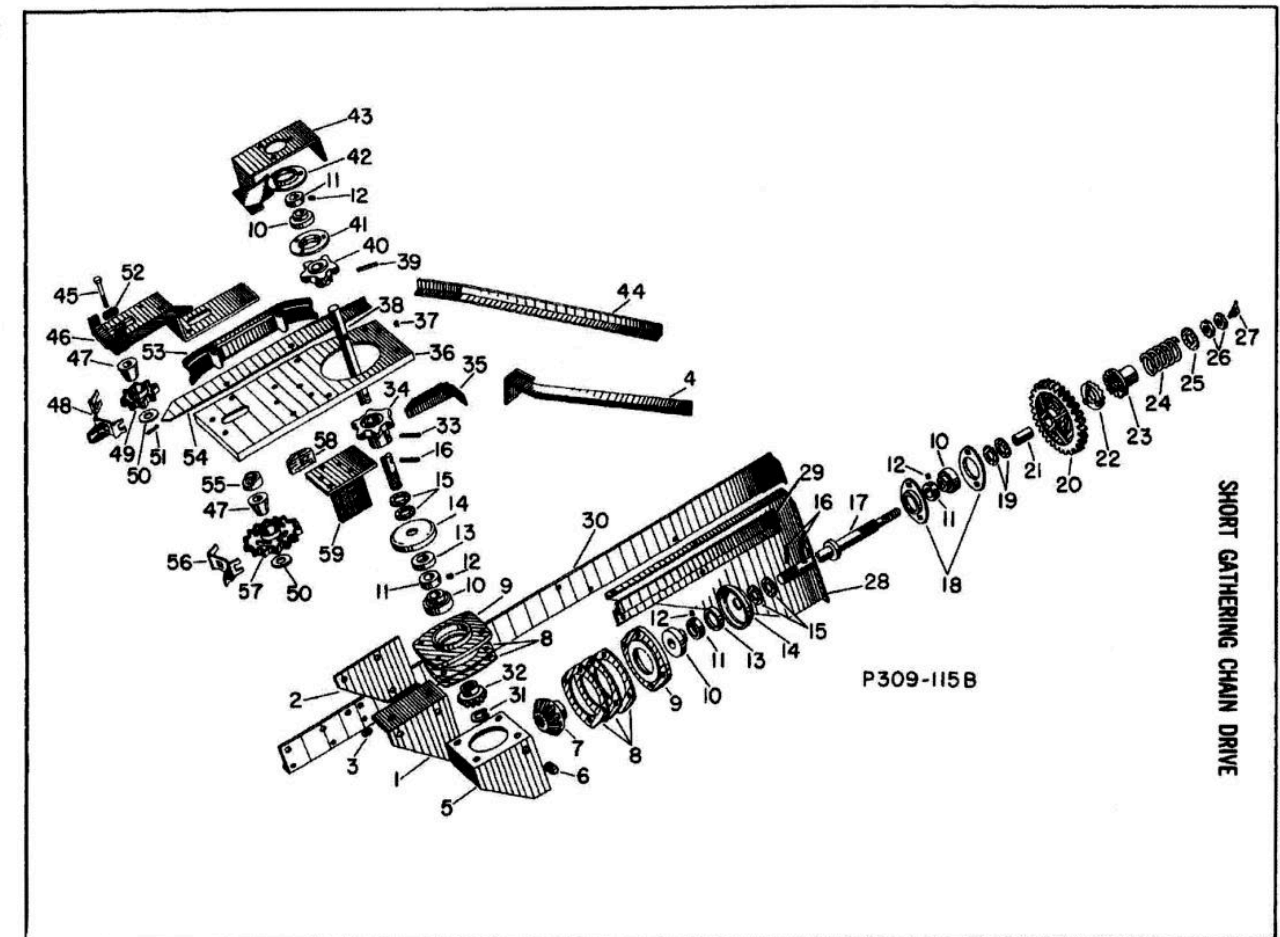
REPAIR PARTS



REPAIR PARTS

Key	Part Number	Part Description	Used
1	301524	Long gathering chain with (36) 67W plain links and (12) 67W-C23 attachment links, 1 plain link followed by 11 attachment links each followed by 3 plain links, then 1 attachment link followed by 2 plain links.	1
	67W	Plain link	36
	67WC23	Attachment link	12
2	010215	Cotter pin 1/8 x 1"	1
3	K 2562	Washer 21/32" I.D., 2" O.D., 3/16" thick	1
4	113 PM	Idler sprocket 7 tooth for 67W chain	1
5	300172	Idler cone 11/16" bore	1
6	301516	Gathering chain idler support	1
	013613	Machine bolt 1/2 x 1-1/4"	2
7	305905	Eccentric clamp with lug for gathering chain idler	1
8	K 3517	Machine bolt 5/8 x 4-1/2" drilled	1
9	309088	Channel slide for gathering chain 40-5/8" long	1
	013821	Carriage bolt 5/16 x 3-1/2"	3
10	2163 P	Wearing slide under chain 49-7/8" long	1
	013818	Carriage bolt 5/16 x 2-3/4"	4
11	301519	Support under long gathering chain slide	1
12	301467	Outside snapping roll supporting angle	1
	014077	Machine bolt 1/2 x 1"	3
13	W 265	Long gathering chain return slide wood 25/32" thick 5" wide 47" long	1
	013803	Carriage bolt 1/4 x 1"	4
14	301473	Outside filler sheet	1
	013811	Carriage bolt 5/16 x 3/4"	5
15	301486	Gear box cover	1
	013563	Machine bolt 5/16 x 3/4"	3
16	303686	14 tooth bevel gear splined	1
17	K 900	Washer 1-1/32" I.D., 2" O.D., 1/16" thick	2
18	K 3706	Snap ring, external	1
19	303685	15 tooth bevel gear, splined	1
20	301478	Long gathering chain gear box, order 301479	1
	301479	Long gathering chain gear box with bearings	1
	013583	Machine bolt 3/8 x 1"	3
	014077	Machine bolt 1/2 x 1"	1
21	011966	Grease fitting 1/8 N.P.T. 45°	2
22	K 1336	1/8" pipe plug	2
23	K 2897	Bronze bearing 1" I.D., 1-1/4" O.D., 1-1/2" long	4
24	K 1852	Washer 17/32" I.D., 1" O.D., 1/16" thick (as required)	1
25	301480	Long gathering chain drive shaft 1" dia. 8-7/8" long	1
26	K 864	Washer 1-1/32" I.D., 1-5/8" O.D., 1/16" thick	2
27	301481	31 tooth spur gear splined	1
28	010232	Cotter pin 3/16 x 1-3/4"	1
29	301482	Long gathering chain upright shaft, 1" dia., 11" long	1
30	E 395	Ratchet plate	1
31	K 3875	Bronze bearing, sintered 1" I.D., 1-1/4" O.D., 1-3/8" long	1
32	301485	Sprocket with ratchet, order 301484	1
	301484	Sprocket with bearing and ratchet, 5 tooth for 67 chain 1" I.D.	1
33	2612 P	Compression spring 3-3/4" long, 2-1/2" O.D. 6 coils	1
34	K 965	Washer 1-1/4" I.D., 2-9/16" O.D., 5/32" thick, hardened	1
35	010246	Cotter pin 1/4 x 2-1/4"	1
36	118 PM	Slip clutch nut 1"	1
37	K 4667	Groove pin 1/4 x 1-1/4"	1
38	303432	Gear case cover	1

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REPAIR PARTS

REPAIR PARTS

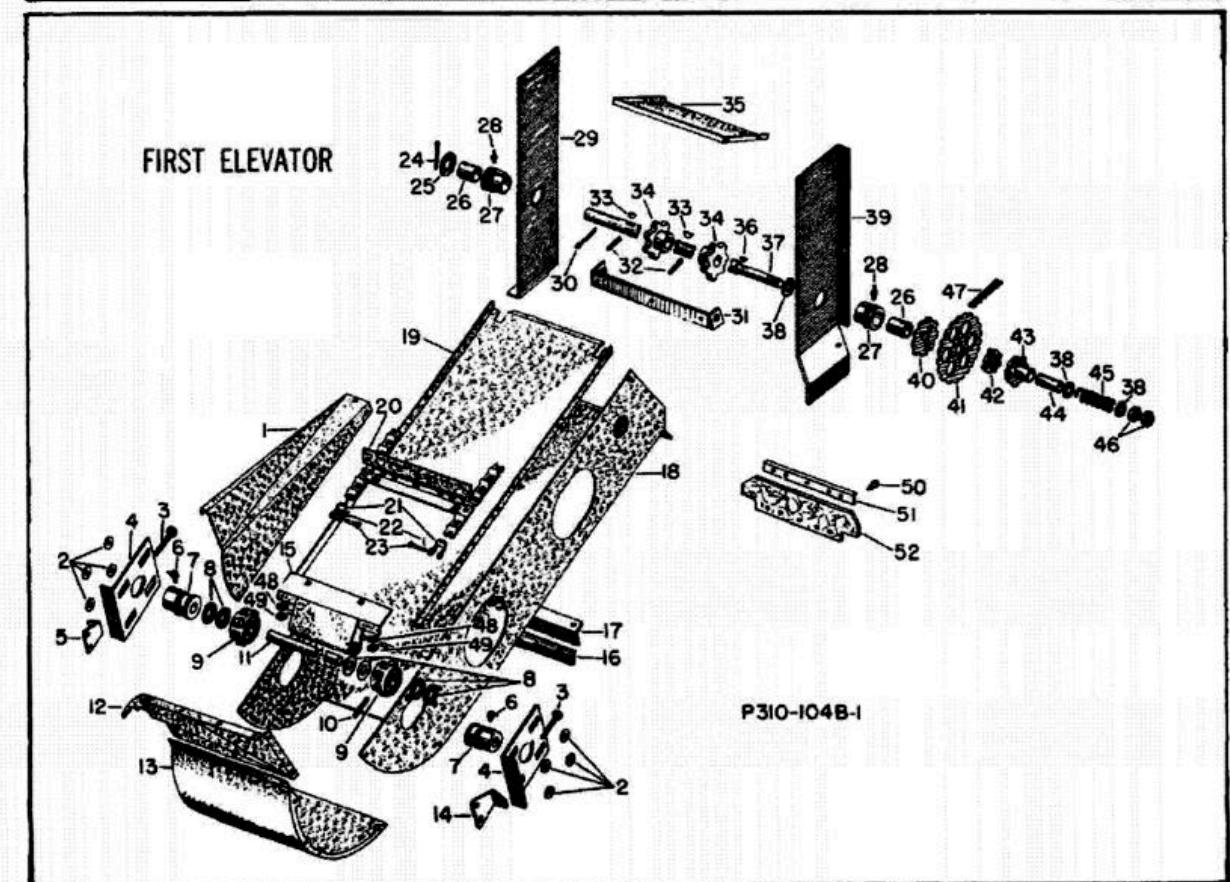
Key	Part Number	Part Description	Used
1	301476	Gear box support	1
	013843	Carriage bolt 1/2 x 1-1/4"	2
2	301505	Gear box shield	1
3	K 3621	Washer 25/64" I.D., 3/4" O.D., 1/16" thick	1
4	301821	Lower brace for inside snapping unit	1
	013583	Machine bolt 3/8 x 1"	4
5	301474	Short gathering chain gear box	1
	014077	Machine bolt 1/2 x 1"	3
6	K 659	Pipe plug 3/4"	1
7	303685	Bevel gear 15 tooth splined	1
8	K 4656	Shim .020 (as required)	2
	K 4657	Shim .005 (as required)	2
9	300122	Gear case cap	2
	013583	Machine bolt 3/8 x 1"	4
10	K 2752	Ball bearing 1" I.D., 2-1/8" O.D.	4
11	K 2809	Locking collar 1" I.D. (with K 2692 set screw)	4
12	K 2692	Set screw 1/4 x 1/4 cup point allen head	4
13	K 5006	Felt washer 1-15/64" I.D., 2" O.D., 1/4" thick	2
14	301302	Bearing shield 1-1/32" I.D., 3" O.D.	2
15	K 4310	Washer 1-1/32" I.D., 1-7/16" O.D., 1/16" thick	2
16	K 3532	Roll pin 3/16" x 1-3/8" long	3
17	301487	Short gathering chain drive shaft, 1" dia., 38-1/4" long	1
18	K 4668	Flangette bearing holders	2
	013811	Carriage bolt 5/16 x 3/4"	2
19	K 1773	Washer 1-1/32" I.D., 1-5/8" O.D., 3/32" thick	2
20	301489	Spur gear 31 tooth (Order 301490)	1
	301490	Spur gear 31 tooth 1" I.D. with bearing	1
21	2644 P	Bearing, bronze 1" I.D., 1-1/4" O.D., 1-1/4" long	1
22	E 395	Ratchet plate	1
23	301491	Ratchet hub splined	1
24	2642 P	Spring, compression 2-1/2" O.D., 3-3/4" long 6 coils	1
25	097 SN	Washer 13/16" I.D., 2-1/2" O.D., 1/4" thick	1
26	K 2185	Jam nut 3/4" I.D.	2
27	011966	Grease fitting 1/8" N.P.T. 45°	1
28	301471	Inside filler sheet	1
	013811	Carriage bolt 5/16 x 3/4"	6
29	301472	Retaining strip	1
	013811	Carriage bolt 5/16 x 3/4"	3
30	301464	Inside snapping roll angle assembly	1
	014077	Machine bolt 1/2 x 1"	2
31	K 3706	Snap ring, external	1
32	303686	Bevel gear 14 tooth splined	1
33	K 3169	Roll pin 5/16 x 1-3/4"	1
34	E 64	Drive sprocket for lower gathering chain 6 tooth	1
35	301510	Stripper for lower inside gathering chain	1
	013824	Carriage bolt 3/8 x 1"	1
36	301506	Chain slide under top short gathering chain	1
37	011256	Woodruff key No. 13, 3/16" thick 1" long	1
38	301504	Short gathering chain upright shaft 1" diameter 13-7/8" long	1
39	K 3461	Roll pin 1/4 x 2"	1
40	300115	Five tooth sprocket 1" bore keywayed	1
41	K 5008	Extended bearing flangette	1
42	K 2579	Bearing flangette	1
	013811	Carriage bolt 5/16 x 3/4"	3
43	301507	Upper bearing support and chain slide	1
	013583	Machine bolt 3/8 x 1"	2
	013988	Machine screw 5/16 x 3/4"	1
44	301529	Brace for inside gathering unit 29-3/32" long	1
	013583	Machine bolt 3/8 x 1"	4
	013812	Carriage bolt 5/16 x 1"	1
45	K 3517	Bolt machine 5/8 x 4-1/2" long drilled	1
46	2070 PA	Upper short gathering chain idler support	1
	013586	Machine bolt 3/8 x 1-1/4"	2
	013583	Machine bolt 3/8 x 1"	2
47	300172	Idler cone 11/16" bore	2

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REPAIR PARTS

Key	Part Number	Part Description	Used
48	300171	Upper short gathering chain with six 67 WC-23 attachment links	1
		and 19 - 67 W plain links, 2 plain links followed by five attachment links each followed by three plain links, then one attachment link followed by two plain links.	
	67 W	Plain link	19
	67 WC23	Attachment link	6
49	302826	8 tooth idler sprocket	1
50	K 2562	Washer 21/32" I.D., 2" O.D., 3/16" thick hardened	2
51	010215	Cotter pin 1/8 x 1"	1
52	305905	Sprocket eccentric clamp with lug	1
53	309089	Channel slide for upper short gathering chain	1
	013576	Machine bolt 5/16 x 3-1/2"	2
	013976	Machine screw 5/16 x 1/2"	1
54	301511	Upper short gathering chain slide	1
55	301512	Spacer on lower short gathering chain idler	1
56	302293	Lower short gathering chain with (6) 62 HCP attachments and (20)	1
		62 H plain links, (4) attachments followed by (3) plain links and (2) attachments each followed by (4) plain links.	
	62 HCP	Attachment link	6
	62 H	Plain link	20
57	34 PM	14 tooth idler sprocket	1
58	W 257	Wood chain slide back of lower gathering chain	1
	013815	Carriage bolt 5/16 x 1-3/4"	1
59	301477	Support for upper gathering chain slide	1
	013613	Machine bolt 1/2 x 1-1/4"	1
	013583	Machine bolt 3/8 x 1"	2
	013824	Carriage bolt 3/8 x 1"	1



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REPAIR PARTS

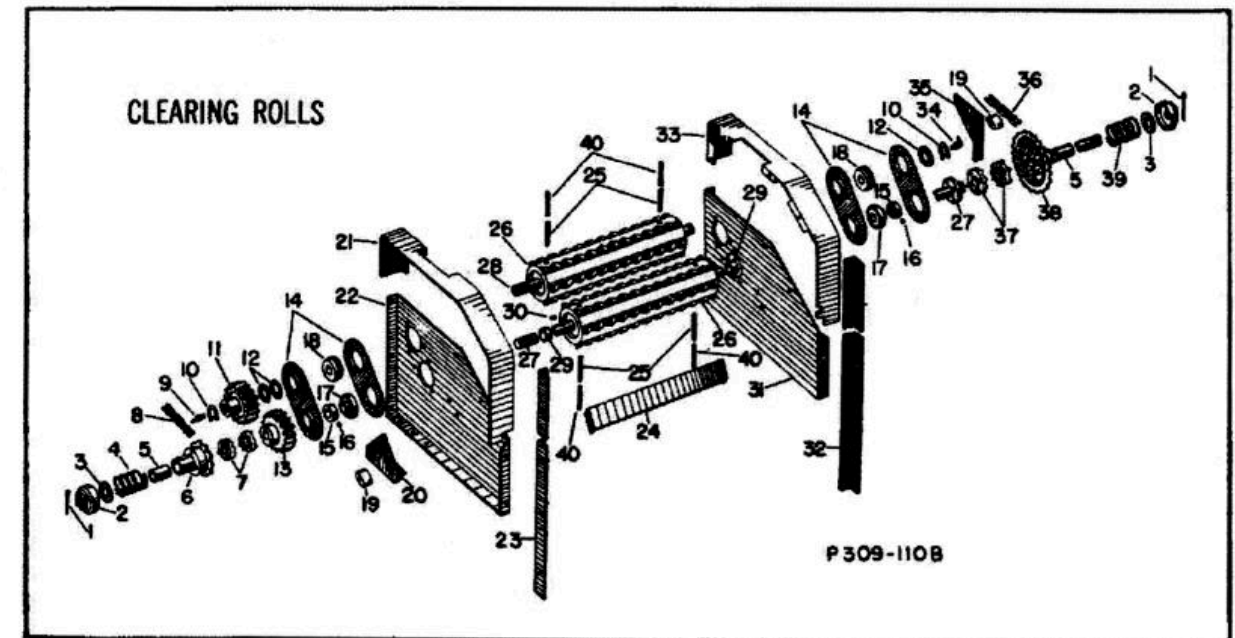
Key	Part Number	Part Description	Used
1	301556	Filler sheet.	1
	013987	Machine screw, 5/16 x 5/8".	2
2	K 3621	Washer, 25/64" I.D. x 3/4" O.D. x 1/16" thick	8
3	K 3818	Carriage bolt, 3/8 x 2-3/4" special.	2
4	301553	Bearing plate.	2
	013811	Carriage bolt, 5/16 x 3/4".	8
5	301557	Idler bolt plate, right	1
	013988	Machine screw, 5/16 x 3/4".	2
6	011969	Grease fitting, 1/8 N.P.T. 90°	2
7	E 124	Bearing, 1-1/16" bore, 2-1/8" long	2
8	K 860	Washer, 1-3/32" I.D. x 1-9/16" O.D. x 1/16" thick	4
9	305810	7 tooth sprocket 1-1/16" bore.	2
10	K 3800	Roll pin, 1/4 x 2-3/4" long	2
11	301549	First elevator idler shaft, 1-1/16" O.D. x 16-3/8" long	1
12	301680	Boot section, upper	1
	013987	Machine screw, 5/16 x 5/8".	5
13	301555	First elevator boot section.	1
	013986	Machine screw, 5/16 x 1/2".	6
14	301558	Idler bolt plate left.	1
	013988	Machine screw, 5/16 x 3/4".	2
15	305586	Shaft wrapper assembly.	1
16	301569	Lower angle support.	1
	013580	Machine bolt, 3/8 x 3/4".	2
17	301554	First elevator lower angle.	1
	013998	Machine screw, 3/8 x 3/4".	2
18	301547	First elevator trough	1
	013988	Machine screw, 5/16 x 3/4".	6
19	303700	First elevator floor	1
	013561	Machine bolt, 5/16 x 1/2".	4
20	305806	First elevator chain complete - consisting of 51 - #62 plain links and 8 attachment and 1 coupler link with pin. Make up as follows: 4 plain links, then 1 attachment link followed by 6 plain links for 4 consecutive units, then 1 attachment link followed by 7 plain links for 3 consecutive units, then 1 attachment link followed by 2 plain links and 1 connector link	
	305805	1st elevator flight assembly with attachment link.	
	010972	Left attachment link, 62-A25L.	
	010973	Right attachment link, 62-A25R.	
21	#62	#62 plain links.	
	#62 Cplr.	Coupler link	
22	010210	Cotter pin, 3/32 x 3/4".	
23	K 3859	Coupler link pin, 11/32" O.D. x 2-7/32" long	
24	010231	Cotter pin, 3/16 x 1-1/2".	1
25	K 872	Washer, 1-1/32" I.D. x 1-3/4" O.D. x 1/16" thick	1
26	K 3314	Bushing, phenolic 1-5/32" O.D. x 1-1/32" I.D. x 2-1/16" long	2
27	301563	Pressure wheel bearing, order 301564.	2
	301564	Bearing with bushing, 1-1/32" bore.	
28	011976	Grease fitting, 1/4-28 N.S.T. straight	2
29	301559	First elevator support, right	1
	013583	Machine bolt, 3/8 x 1".	2
30	010230	Cotter pin, 3/16 x 1-1/2".	1
31	302819	Trough support assembly.	1
32	K 3454	Roll pin, 1/4 x 1-3/4".	2
33	011256	Key, #13 Woodruff, 3/16 x 1".	2
34	300999	7 tooth sprocket, 1" bore.	2
35	301686	Deflector, 7-7/8 x 13-13/16".	1
	013986	Machine screw, 5/16 x 1/2".	2
36	011253	Key, #9 Woodruff, 3/16 x 3/4".	1
37	301561	First elevator drive shaft, (shouldered) 28-3/8" long.	1
38	K 1767	Washer, 25/32" I.D. x 1-1/2" O.D. x 3/32" thick.	3
39	301560	First elevator support, left	1
	013583	Machine bolt, 3/8 x 1".	2
	013563	Machine bolt, 5/16 x 3/4".	2

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REPAIR PARTS

Key	Part Number	Part Description	Used
40	301782	9 tooth sprocket, 1-1/4" bore.	1
	013565	Machine bolt, 5/16 x 1".	3
41	301565	20 tooth sprocket, 3/4" bore, keywayed.	1
42	E 395	Ratchet plate.	1
43	301566	7 tooth sprocket, order 301567.	1
	301567	7 tooth sprocket with bushing, 3/4" bore	1
44	K 5011	Bushing, phenolic, 25/32" I.D. x 57/64" O.D. x 1-1/4" long.	1
45	301568	Compression spring, 13/16" I.D. x 8 coils x 21/64" wire	1
46	K 2185	Jam nut, 3/4".	2
47	302042	First elevator drive chain, 1-1/4" extended pitch #2050 (For repair of chain See Page 66)	
48	K 3037	Washer, 11/32 I.D. x 11/16 O.D. x 1/16"	2
49	010162	Locknut, 5/16".	2
50	010971	Shouldered rivet	5
51	304565	Reinforcing strip	
52	305808	Rubber flight.	



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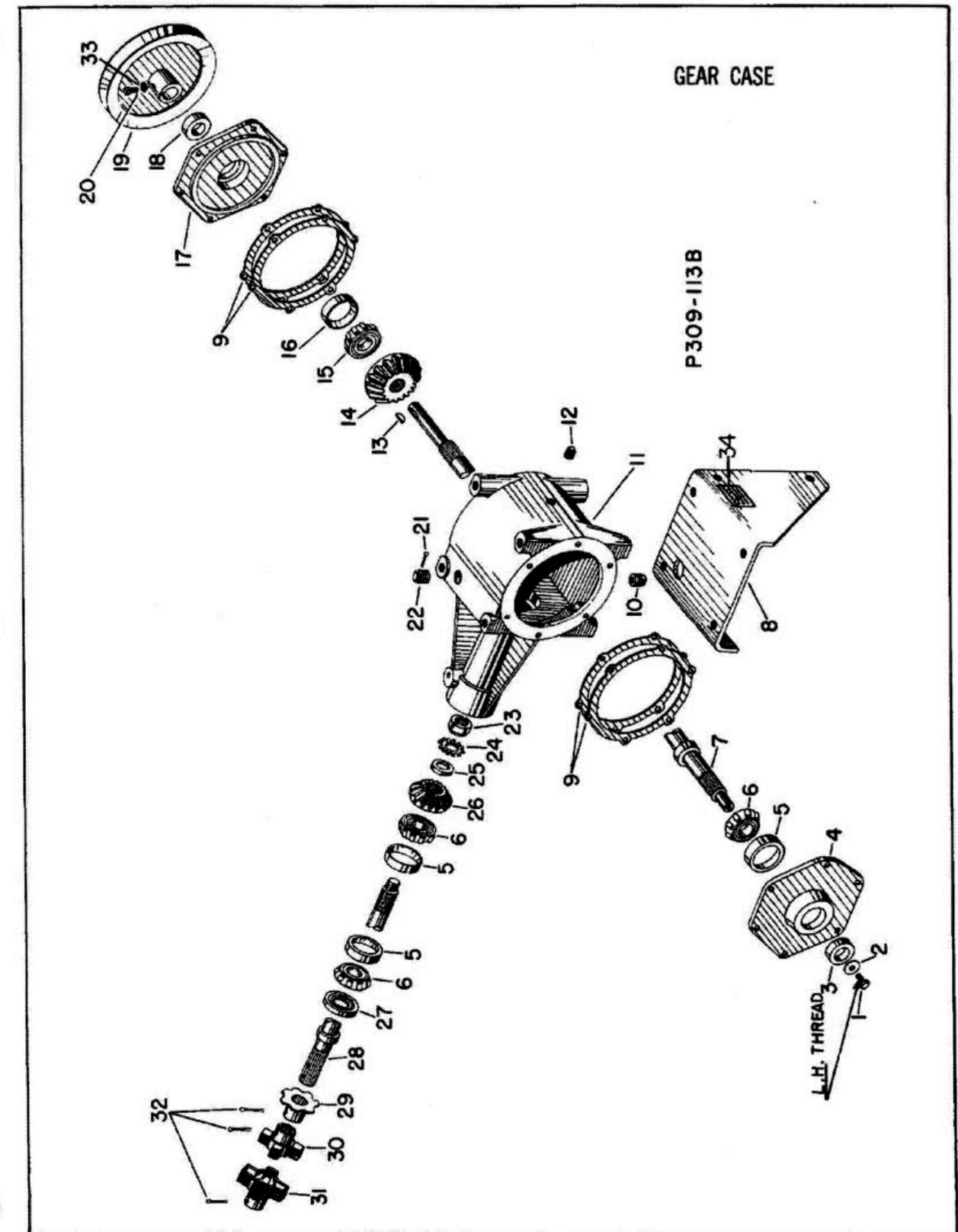
REPAIR PARTS

Key	Part Number	Part Description	Used
1	010246	Cotter pin 1/4 x 2-1/4"	2
2	118 PM	Slip clutch nut 1" I.D.	2
3	K 965	Washer 1-1/4" I.D., 2-9/16" O.D., 5/32" thick, hardened	2
4	2612 P	Compression spring 2-1/2" O.D., 3-3/4" long 6 coils	1
5	K 3180	Bronze bearing sintered 1" I.D., 1-1/4" O.D., 2" long	2
6	718998	10 tooth slip clutch sprocket with bearing, 1" bore	1
7	E 395	Ratchet plate	2
8	302042	First elevator drive chain, 1-1/4" extended pitch #2050 (For repair of chain See Page 66)	
9	011962	Grease fitting 1/8" N.P.T.	1
10	K 3706	Snap ring, external	2
11	300269	16 tooth spur gear, splined	1
12	K 864	Washer 1-1/32" I.D., 1-5/8" O.D., x 1/16" (as required)	2
13	301642	16 tooth spur gear 1" bore keywayed	1
14	02202 PM	Bearing retainer	4
	013811	Carriage bolt 5/16 x 3/4"	6
15	K 2809	Lock collar 1" I.D. (with K 2692 set screw)	2
16	K 2692	Set screw 1/4 x 1/4 cup point allen head	2
17	K 2752	Ball bearing 1" I.D., 2-1/8" O.D.	2
18	168 PM	Clearing roll bearings 1" I.D., 1-1/2" long	2
19	300041	Chain slide	2
	013831	Carriage bolt 3/8 x 2-3/4"	1
20	301645	Idler bracket	1
	013563	Machine bolt 5/16 x 3/4"	2
21	301653	Left chain shield	1
	013986	Machine screw 5/16 x 1/2"	5
22	301635	Left clearing roll plate	1
	013580	Machine bolt 3/8 x 3/4"	4
23	301629	Left rear first elevator upright angle 39" long	1
	013604	Machine bolt 7/16 x 1"	2
24	301644	Rear deflector 14" long	1
	013563	Machine bolt 5/16 x 3/4"	4
25	K 3603	Roll pin 5/16 x 3-1/4"	4
26	301640	Clearing roll 1" I.D. 13-3/16" long	2
27	305877	Lower clearing roll shaft 30-7/32" long	1
28	301643	Upper clearing roll shaft 18-1/16" long	1
29	301641	Clearing roll spacer 1" I.D., 1-1/4" O.D., 25/32" long	2
30	011256	No. 13 Woodruff key 3/16" thick 1" long	1
31	301834	Right clearing roll plate	1
	013581	Machine bolt 3/8 x 3/4"	4
32	301630	Right rear first elevator upright angle 39" long	1
	013604	Machine bolt 7/16 x 1"	2
33	301652	Right chain shield	1
	013986	Machine screw 5/16 x 1/2"	5
34	011969	Grease fitting 1/8" N.P.T. 90°	1
35	301646	Idler bracket	1
	013583	Machine bolt 3/8 x 1"	2
36	0241 PSA	Clearing roll drive chain, 1-1/4" extended pitch #2050 (For repair of chain See Page 66)	
37	101 PM	Ratchet plate for clutch	2
38	305880	22 tooth clearing roll drive sprocket, (Order 305879)	1
	305879	22 tooth sprocket with bearing 1" bore	1
39	K 4880	Compression spring 1-3/4" I.D., 2-9/16" O.D., 6 coils, 3-3/4" long	1
40	010359	Roll Pin, 3/16 x 3-1/4"	4

NO. 323 ONE ROW PICKER

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REPAIR PARTS



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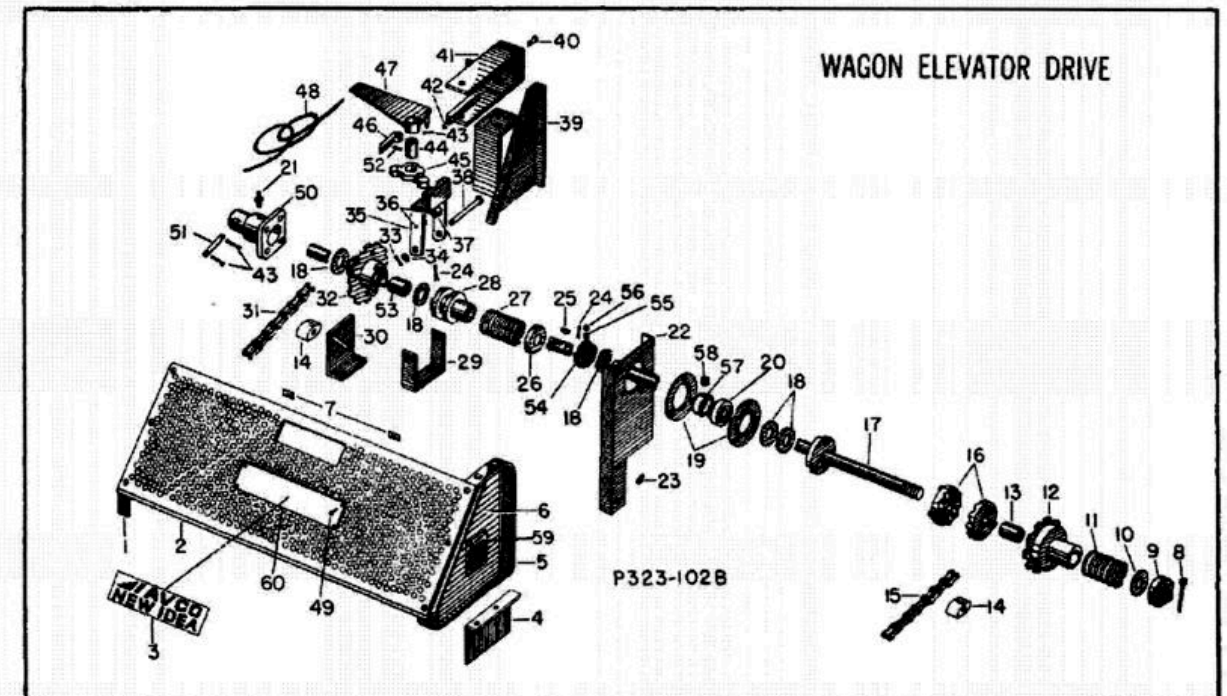
REPAIR PARTS

Key	Part Number	Part Description	Used
1	011583	Bolt machine, 3/8 x 1" hex. hd. left hand thread	1
2	012216	Washer, 11/32" I.D., 1-11/32" O.D., 3/16" thick	1
3	K 5010	Oil seal, 1-1/4" I.D., 1-3/4" O.D., 3/8" thick	1
4	301537	Gear case cap (Order 301538)	1
	301538	Gear case cap assembly with bearing cup and seal	1
	013583	Bolt machine, 3/8 x 1"	6
5	K 3548	Bearing cup, 2-21/64" O.D.	3
6	K 3549	Bearing cone, 1-1/4" I.D.	3
7	301541	Input shaft assembly, 16-5/8" long	1
8	301546	Gear box support	1
	014077	Bolt machine, 1/2 x 1" Hex. hd.	4
9	K 4580	Shim, .005 thick (as required)	
	K 4581	Shim, .020 thick (as required)	
10	K 2224	Pipe plug, 1"	1
11	301531	Main drive gear box (Order 301532)	1
	301532	Main drive gear box assembly with 2 bearing cups	1
	014077	Bolt machine, 1/2 x 1 hex. hd.	4
12	K 1875	Pipe plug, 1/4"	1
13	011256	No. 13 woodruff key	1
14	0133 HC	23 tooth bevel gear, 1-1/4" I.D., splined	1
15	K 2066	Bearing cone, 1" I.D.	1
16	K 1618	Bearing cup, 2-1/2" O.D.	1
17	301539	Gear case cap (Order 301540)	1
	301540	Gear case cap assembly with bearing cup and seal.	1
	013583	Bolt machine, 3/8 x 1"	6
18	K 3487	Oil seal, 1" I.D., 1-3/4" O.D., 7/16" thick.	1
19	301543	Fan sheave, 1" bore, 7" O.D. keywayed	1
20	K 4567	Set screw, 5/16 x 7/8" square head cup point.	1
21	010223	Cotter pin, 5/32 x 1-1/4"	1
22	K 4787	Pipe plug, 1" drilled for cotter pin	1
23	K 4578	Locknut, 25/32" I.D., fine thread	1
24	K 4577	Slotted lockwasher	1
25	K 4576	Washer, 13/16" I.D., 1-3/4" O.D., 3/16" thick	1
26	0132 HC	17 tooth bevel gear, 1-1/4" I.D., splined	1
27	K 4583	Oil seal, 1-11/16" I.D., 2-5/8" O.D., 1/2" thick.	1
28	307871	Output shaft assembly, 11-9/16" long	1
29	301536	Seven tooth sprocket, 1-1/4" splined for #2050 chain	1
30	301535	Male half flexible coupling, 1-1/4" I.D. splined.	1
31	301576	Female flexible coupling, 1-1/4" I.D. splined	1
32	010248	Cotter pin, 1/4 x 2-3/4"	3
33	K 2902	Jam nut, 5/16 - 18 hex head.	1
34	015244	Decal (CAUTION)	1

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REPAIR PARTS



Key	Part Number	Part Description	Used
1	301696	Shield support	1
	013583	Machine bolt, 3/8 x 1"	6
	013987	Machine screw, 5/16 x 5/8"	3
2	302468	Front shield assembly	1
3	015898	Decal, Avco New Ideal	1
4	302541	Shield support bracket	1
	013583	Machine bolt, 3/8 x 1"	2
5	301694	Shield end support	1
6	301845	End shield	1
7	015294	Speed nut, flat type	4
8	010246	Cotter pin, 1/4 x 2-1/4"	1
9	118 PM	Clip clutch nut	1
10	K 965	Washer, carburized, 1-1/4" I.D. x 2-9/16" O.D. x 5/32" thick	1
11	2612 P	Compression spring, 3-3/4" long, 1-7/8" I.D., 3/8 wire, 6 coil	1
12	718998	Slip clutch sprocket, 1" bore	1
13	K 3180	Bearing sintered, 1" I.D. x 1-1/4" O.D. x 2" long	2
14	300041	Chain slide	2
	013831	Carriage bolt, 3/8 x 2-3/4"	2
15	02462 PMA	Jack shaft chain, 1-1/4" extended pitch #2050 (For repair of chain see page 66)	
16	E 395	Ratchet plate	2
17	305300	Wagon elevator jack shaft assembly	1
18	K 864	Washer, 1-1/32" I.D. x 1-5/8" O.D. x 1/16" thick	4
19	K 2579	Bearing housing, 3-3/4" O.D.	2
	013811	Carriage bolt, 5/16 x 3/4" reg.	3
20	K 2752	Bearing, 1" I.D. x 2" O.D. x 1-1/2"	1
21	011976	Grease fitting, 1/4 - 28 N.S.T. straight	2
22	301579	Support assembly	1
	013580	Machine bolt, 3/8 x 3/4"	3
23	K 3621	Washer, 25/64" I.D. x 3/4" O.D. x 1/16" thick	1
24	010232	Cotter pin, 3/16 x 1-3/4"	4
25	011264	Key #26 Woodruff 3/16 x 1-1/4"	1
26	2530 P	Cup washer, 1-11/64" I.D. x 2-3/8" O.D.	1

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REPAIR PARTS

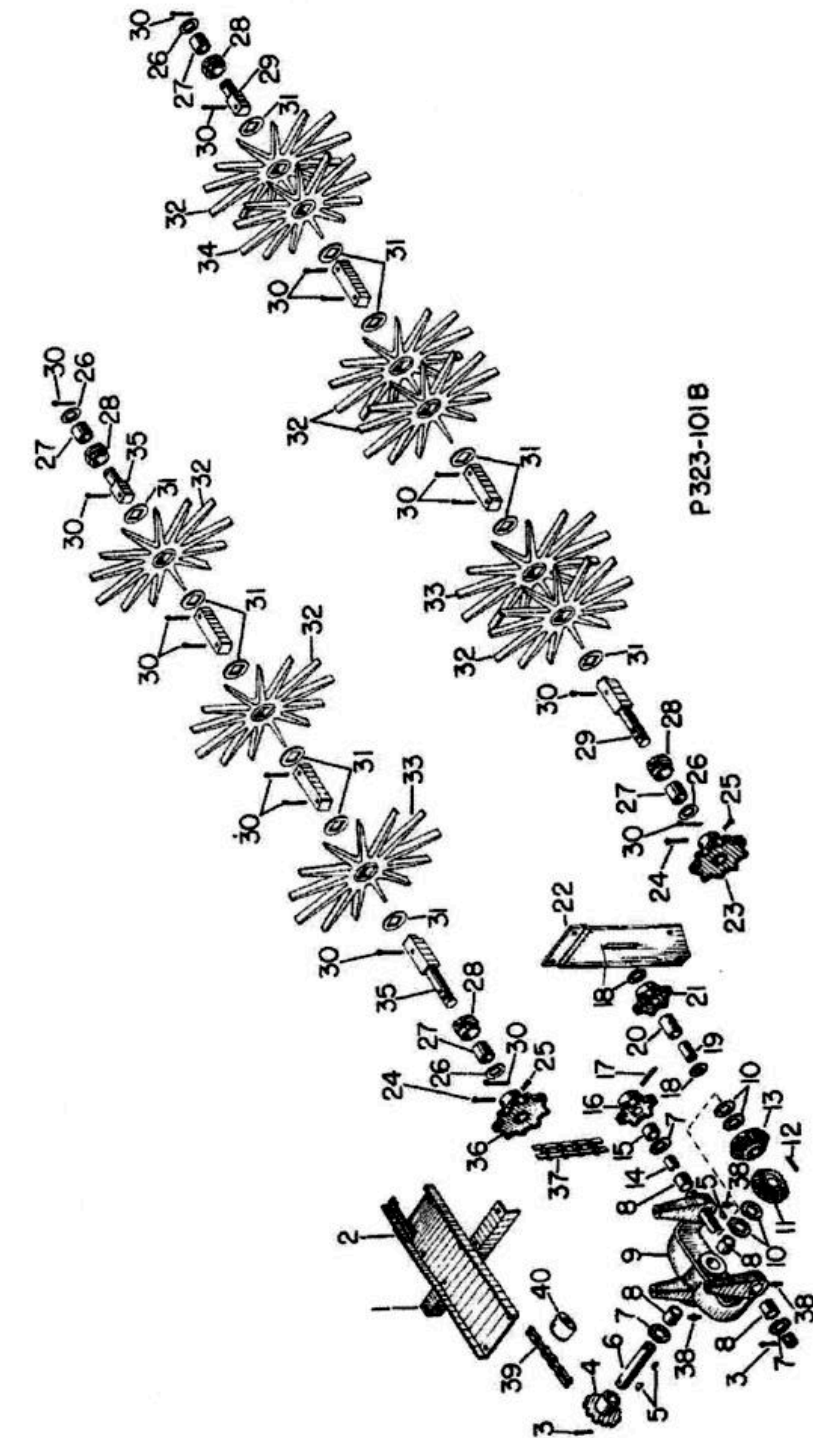
Key	Part Number	Part Description	Used
27	2832 P	Compression spring, 1-7/8" I.D. x 3" long x 7 coil	1
28	65 PM	Sliding clutch	1
29	301600	Pivot bracket	1
	013822	Carriage bolt, 3/8 x 3/4"	2
30	301596	Idler bracket	1
	013563	Machine bolt, 5/16 x 3/4"	2
31	01519 PMA	Wagon elevator drive chain, 1-1/4" extended pitch #2050 chain (For repair of chain see Page 66)	
32	301586	14 tooth sprocket, order 305303	1
	305303	14 tooth sprocket with needle bearing	1
33	010214	Cotter pin, 1/8 x 3/4"	1
34	K 2880	Washer, 7/16 I.D. x 1" O.D. x 1/16" thick	1
35	02057 PMA	Throwout lever assembly	1
36	M 613	Shouldered pin, 1-1/16" long	2
37	M 614	Roller, 29/64" I.D. x 3/4" O.D. x 19/32" long	2
38	013173	Rivet, 3/8 x 4" long	1
39	301597	Cam support assembly	1
	013824	Carriage bolt, 3/8 x 1"	2
40	K 2637	Machine screw, 3/8 x 1" drilled	1
41	301601	Cam bracket assembly	1
42	K 3131	Spring extension 46 coil, 3-7/8" long, 1/16" thick wire	1
43	010209	Cotter pin, 3/32 x 1/2"	3
44	02460 PM	Spacer, 5/8" O.D. x 13/32" I.D. x 2-9/32" long	1
	013595	Machine bolt, 3/8 x 3-1/4"	1
45	301604	Ratchet for clutch	1
46	150 PM	Pawl	1
47	301605	Clutch lever assembly	1
48	305956	Rope, 1/4 dia. x 18'6" long	1
49	015948	Tapping screw, #10 x 3/8"	4
50	301590	Coupler, 1" bore	1
51	K 3750	Pin, 5/16" Dia., 2-3/8" long, hardened	1
52	010228	Cotterpin, 3/16 x 3/4"	1
53	K 1709	Needle Bearing	2
54	300910	Set collar	1
55	K 1170	Set screw, 3/8 x 1/2"	2
56	K 1171	Locking screw, 3/8 x 1/4"	2
57	K 2809	Locking collar, 1" I.D.	1
58	K 2692	Set screw, 1/4 x 1/4" cup point	1
59	016024	Caution sign, English	1
	015991	Caution sign, Spanish	1
	015992	Caution sign, French	1
60	309117	Plate	1

NO. 323 ONE ROW PICKER

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REPAIR PARTS

EAR FORWARDERS, EAR FORWARDER, AND CORN SAVER DRIVE



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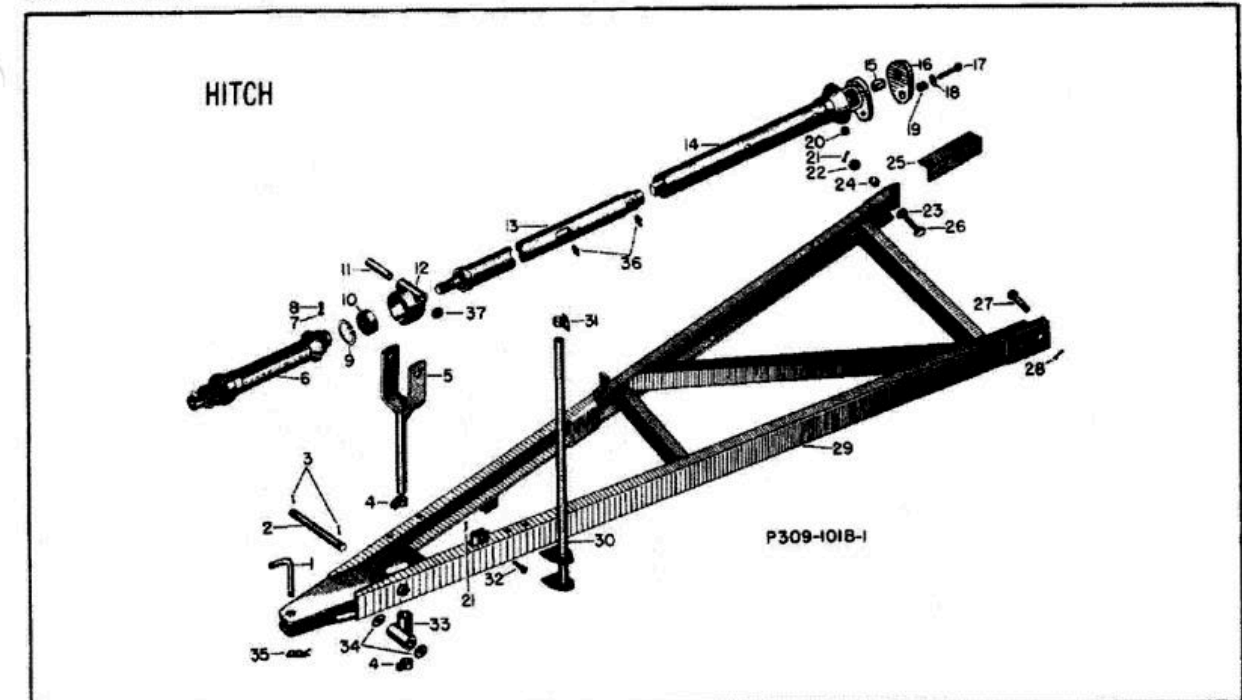
REPAIR PARTS

Key	Part Number	Part Description	Used
1	301606	Support angle, 1-1/2 x 1-1/2 x 14-29/32" long	1
	014077	Machine bolt, 1/2 x 1"	2
2	301612	Gear box support assembly	1
	013583	Machine bolt, 3/8 x 1"	3
3	010232	Cotter pin, 3/16 x 1-3/4"	2
4	301618	10 tooth sprocket, 1" bore	1
5	011256	Key #13 Woodruff, 3/16 x 1"	3
6	301617	Drive shaft, 1" O.D. x 5-13/16" long	1
7	K 900	Washer, 1-1/32" I.D. x 2" O.D. x 1/16" thick, use as required	3
8	K 1862	Bearing bronze steel back, 1-1/8" O.D. x 1" long	4
9	301615	Bevel gear box (order 301616)	1
	301616	Bevel gear box and bearings	
	013581	Machine bolt, 3/8 x 3/4"	2
10	K 3521	Washer, 1-1/32" I.D. x 2" O.D. x 1/32" thick	4
11	E 278	14 tooth bevel gear, 1" bore	1
12	K 3634	Roll pin, 1/4 x 1-3/8"	2
13	E 277	13 tooth bevel gear, 1" bore	1
14	301619	Shaft, 1" O.D. x 8-1/2" long	1
15	0693 ME	Spacer, 1" O.D., 3/8" wide	1
16	302059	6 tooth sprocket, 1" bore	1
17	K 3461	Roll pin, 1/4 x 2" long	1
18	011538	Washer, 21/32" I.D. x 1-1/8" O.D. x 1/8" thick	2
19	301704	Spacer, 3/4" O.D. x 1-9/16" long	1
20	K 3614	Bearing phenolic, 25/32" I.D. x 29/32" O.D. x 1-1/2" long	1
21	301702	6 tooth sprocket (order 301703)	1
	301703	6 tooth sprocket with bearings, 25/32" bore	1
22	301678	Idler bracket	
	013563	Machine bolt, 5/16 x 3/4"	4
23	301662	9 tooth sprocket, 7/8" bore for #55 chain	2
24	013151	Drilled rivet, 5/16" O.D. x 1-3/4" long	2
25	010214	Cotter pin, 1/8 x 3/4"	2
26	011606	Washer, 29/32" I.D. x 1-9/16" O.D. x 1/16"	As req.
27	K 3214	Bushing fiber, 29/32" I.D. x 1" O.D. x 1-1/2" long	4
28	300922	Bearing (order 300921)	4
	300921	Bearing with fiber bushing, 29/32" bore	
29	305307	Finger wheel shaft lower, 1" sq. x 20-11/16" long	1
30	010231	Cotter pin, 3/16 x 1-1/2"	14
31	011899	Washer, 2" O.D. x 1-1/16" square I.D. x 1/16" thick	As req.
32	305266	Finger wheel assembly, 13"	6
33	305267	Finger wheel assembly, 15"	2
34	305265	Finger wheel assembly, 11"	1
35	305308	Finger wheel shaft upper, 1" sq. x 20-11/16" long	1
36	305299	Sprocket, 11 tooth for 55 chain, 3/8" dia. bore	1
37	#55	Steel chain, 49 links	1
38	011962	Grease fitting, 1/4 N.P.T. straight	3
39	301621	First elevator drive chain, 1-1/4" extended pitch #2050 (For repair of chain see Page 66)	
40	300041	Idler block	1
	013831	Carriage bolt, 3/8 x 2-3/4"	

NO. 323 ONE ROW PICKER

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REPAIR PARTS



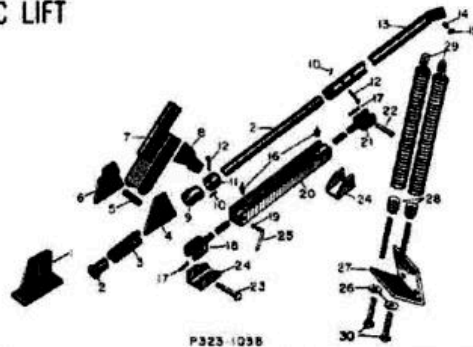
Key	Part Number	Part Description	Used
1	550 P1	Hitch pin	1
2	01705 PM	P.T.O. pivot bearing shaft 1" dia. 9-9/16" long	1
3	010244	Cotter pin, 1/4 x 1-3/4"	1
4	01672 PM	Clamp for pivot bearing shaft	2
	013586	Machine bolt, 3/8 x 1-1/4"	1
5	01669 PMA	Yoke assembly	1
6	K 5037A	Shielded P.T.O. drive, Rockwell Std.	1
	K 5041A	Shielded P.T.O. drive, Neapco	1
	015265	Shielded P.T.O. drive, Rex	1
7	K 3167	Jam nut, 1/2"	1
8	K 4504	Set screw, cone point, 1/2"	1
9	K 4524	Snap ring internal	1
10	K 3330	Ball bearing, 1-3/8" bore	1
11	270160	Spacer, 13/16" O.D., 1/2" I.D., x 5-9/16" long	1
12	270159	Pivot bearing housing for P.T.O.	1
	013630	Machine bolt, 1/2 x 7"	1
13	K 4800A	Shielded telescoping tube assembly, Rockwell standard, front	1
	K 4716A	Shielded telescoping tube assembly, Neapco, front	1
	015262	Shielded telescoping shaft assembly, Rex, front	1
14	K 5015A	Shielded telescoping shaft assembly, Rockwell standard, rear	1
	K 5018A	Shielded telescoping shaft assembly, Neapco, rear	1
	015261	Shielded telescoping shaft assembly, Rex, rear	1
15	K 3573	Bearing bronze sintered, 15/16" I.D., x 1-1/8" O.D., x 1-1/2" long	
16	301544	Shear pin hub (Order 301545)	1
	301545	Shear pin hub with bushing	1
17	K 5012	Shear bolt, 1/4 x 2" hardened	1
18	011755	Washer, 17/64 I.D. x 1" I.D. x 3/32" thick, hardened	2
19	301077	Shear bushing, 9/32" I.D., x 5/8" O.D., x 3/4" long	2
20	010161	Locknut, 1/4"	1
21	010223	Cotter pin, 3/16" x 1"	2
22	K 2572	Nut slotted, 5/8"	1
23	K 2257	Washer, 21/32" I.D., x 1-3/8" O.D. x 1/16" thick	1
24	2079 P	Bushing, 7/8" O.D., x 5/8" I.D., x 11/16" long	1
25	304491	Hitch adjusting angle bracket, 1-3/4" x 1-3/4" x 7/34"	1
	013025	Rivet, 3/8" x 7/8"	1
	013034	Rivet, 7/16 x 1-1/8"	1
26	K 3341	Machine bolt, 5/8 x 2" drilled	1

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REPAIR PARTS

Key	Part Number	Part Description	Used
27	0554 HS	Hinge pin drilled, 5/8 x 1-1/4"	1
28	010230	Cotter pin, 3/16 x 1"	1
29	01674 PMA	Hitch frame assembly	1
30	01664 PMA	Support stand for control rope	1
	013581	Machine bolt, 3/8" x 3/4"	4
31	01651 PM-1	Rope guide assembly	1
	013583	Machine bolt, 3/8" x 1"	1
32	259 LS	Rivet drilled, 1/2" x 1-1/2"	1
33	116 PM	P.T.O. pivot bearing	1
34	K 2223	Washer, 1-1/32" I.D. x 2" O.D. x 3/64" thick	2
35	2629 P	Pin clip	1
36	011976	Grease fitting 1/4 N.P.T.	2
37	010165	Locknut, 1/2"	1

HYDRAULIC LIFT

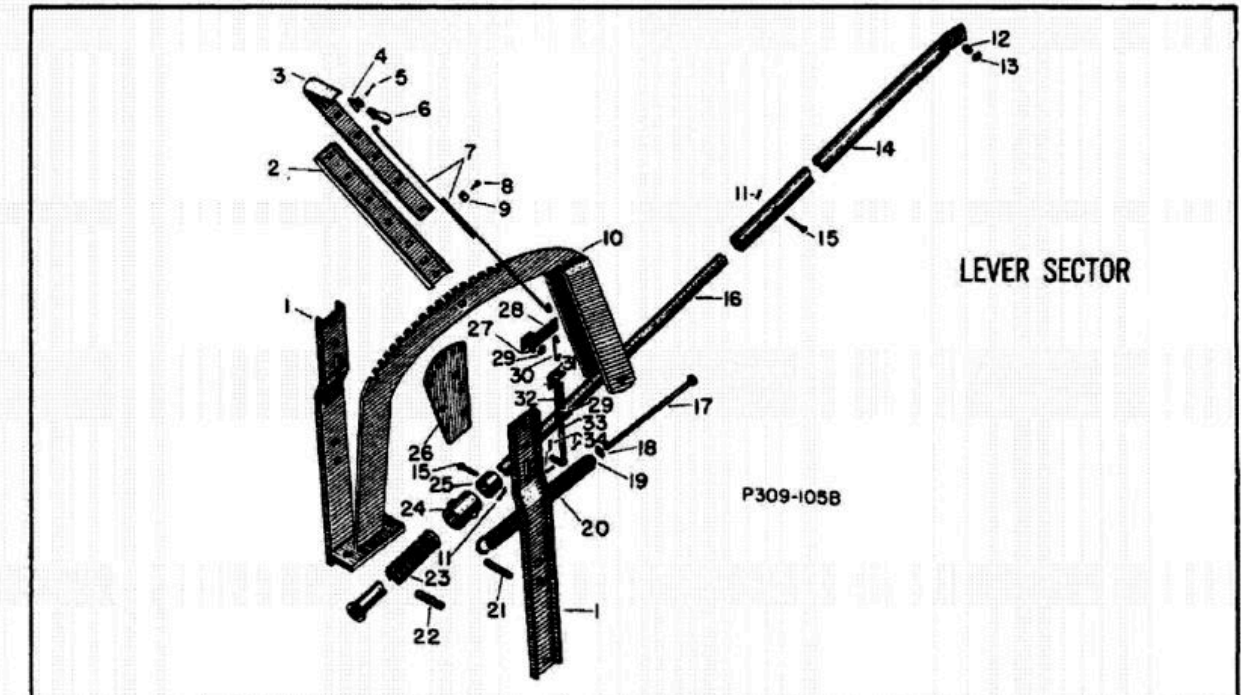


Key	Part Number	Part Description	Used
1	01660 PMA	Cylinder anchor bracket assembly	1
	013613	Machine bolt, 1/2 x 1-1/4"	2
2	01637 PMA	Push rod extension assembly	1
3	K 3325	Spring compression, 1-3/8" dia. x 5-7/32" long, 8 coils	1
4	01720 PM	Cylinder rocker arm plate, left	1
	013597	Machine bolt, 3/8 x 3-3/4"	2
5	K 3327	Spacer, 3/4" O.D. x 1/2" I.D. x 2-7/8"	1
6	01719 PM	Cylinder rocker arm plate, right	1
7	305293	Cylinder rocker arm assembly	1
	013624	Machine bolt, 1/2 x 4"	1
8	01717 PM	Push rod clevis plate	1
	013824	Carriage bolt, 3/8 x 1"	2
9	115 PM	Pipe slide bearing	1
10	010210	Cotter pin, 3/32 x 3/4"	2
11	01738 PM	Collar, 1-1/4" standard black pipe, 1" long	1
12	K 2296	Drilled rivet, 3/8 x 2"	2
13	01706 PM	Push rod	1
	013639	Machine bolt, 5/8 x 1-3/4"	1
14	1302 S	Bushing, 7/8" O.D. x 5/8" I.D. x 3/8" long	1
15	K 2257	Washer, 1-3/8" O.D. x 21/32" I.D. x 1/16" thick	1
16	011976	Grease fitting, 1/4 - 28 NST	2
17	2628 P	Pin clip	2
18	305297	Rod assembly, R.H. thread	1
19	0722 ME	Locknut thread plug	1
20	400105	Stabilizer assembly	1
21	305295	Rod assembly, L.H. thread	1
22	980 S	Axle pin, 1/2 x 3-1/4"	1
23	K 1937	Drilled rivet, 1/2 x 3"	1
24	305298	Clevis	2
	013583	Machine bolt, 3/8 x 1"	4
25	400112	Wrench, 3/8" thread	1
26	K 826	Washer, 1/2" I.D. x 1-1/4" O.D., x 1/16" thick	2
27	302426	Spring clip	1
	013583	Machine bolt, 3/8 x 1"	4
28	15 HS	Spring insert	2
29	0170 HSA	Lift spring, 47 total coils, 14" long, 17/64" dia. wire with insert	1
30	K 2701	Machine bolt, 7/16 x 8", full body	2

NO. 323 ONE ROW PICKER

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REPAIR PARTS



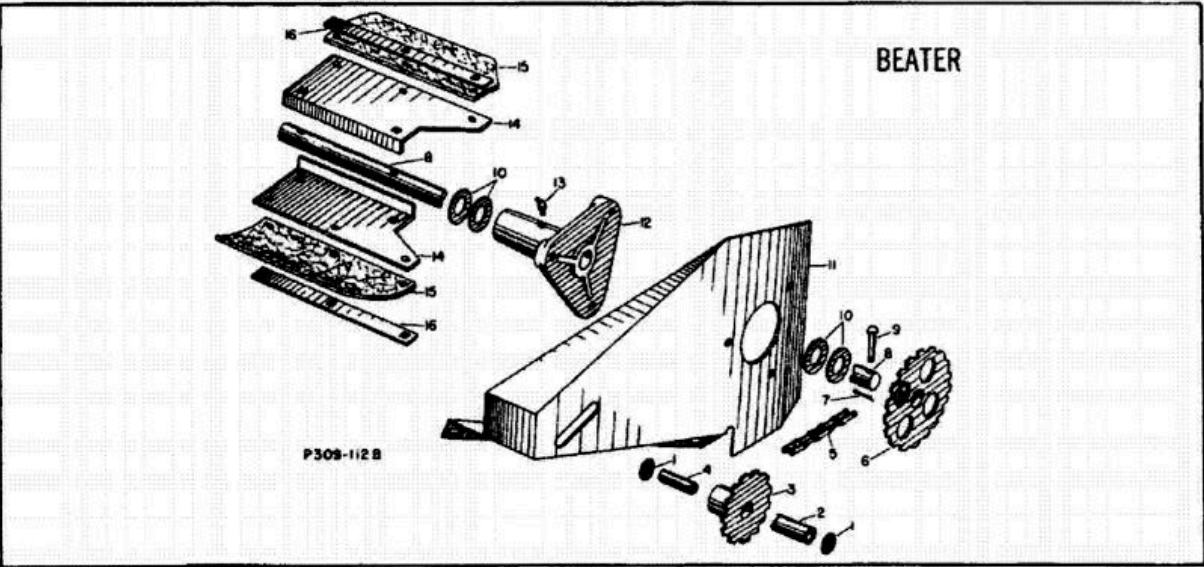
Key	Part Number	Part Description	Used
1	01715 PM	Lever section, lower, 2-1/2 x 3/16 x 24-5/16"	2
	013588	Bolt, machine, 3/8 x 1-1/2"	2
2	01709 PM	Lever section, center, 2-1/4 x 3/16 x 24-1/2"	1
	013583	Bolt, machine 3/8 x 1"	2
3	01714 PMA	Lever section assembly, top	1
	013824	Bolt, carriage, 3/8 x 1"	2
4	01708 PM	Latch clip	1
5	010229	Cotter pin, 3/16 x 1"	1
6	117 PM	Lever latch handle	1
7	01707 PM	Lever latch rod	2
8	K 1154	Set screw, 3/8 x 1"	1
9	429 P	Clamp for lever latch rods	1
10	01662 PMA	Lever sector assembly	1
	013648 and 013613	Bolts, machine, 5/8 x 4" (1) and 1/2 x 1-1/4" (2) and 3/8 x 3/4" (1)	
11	013580	Cotter pin, 3/32 x 3/4"	2
12	010210	Cotter pin, 3/32 x 3/4"	1
13	1302 S	Bushing, 7/8" O.D., 3/8" long 5/8" I.D.	1
14	K 2257	Washer, 21/32" I.D., 1-3/8" O.D. x 1/16" thick	1
	01706 PM	Lever control push rod	1
	013639	Bolt, machine 5/8 x 1-3/4"	1
15	K 2296	Drilled rivet, 3/8 x 2"	2
16	01637 PMA	Lever control push rod extension assembly	1
17	K 2701	Machine bolt, 7/16 x 8" Special	1
18	K 2636	Washer, 15/32" I.D., 1" O.D. x 1/16"	1
19	15 HS	Insert for spring	1
20	0170 HSA	Extension spring with cast insert	1
21	K 3328	Spacer, 3/8" I.D., 5/8" O.D. x 2-1/2"	1
	013595	Machine bolt 3/8 x 3-1/4"	1
22	K 3329	Spacer, 1/2" I.D., 3/4" O.D. x 2-11/32"	1
	013622	Machine bolt 1/2 x 3-1/2"	1
23	K 3325	Compression spring, 1-3/8" I.D., x 5-7/32", long, 8 coils	1
24	115 PM	Pipe slide bearing	1
25	01738 PM	Collar, 1-1/4 x 1", black pipe	1
26	01716 PM	Lever adjusting plate, 4-3/4" x 3/16" x 9-1/2"	2
		Bolt, machine 3/8 x 1"	3

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REPAIR PARTS

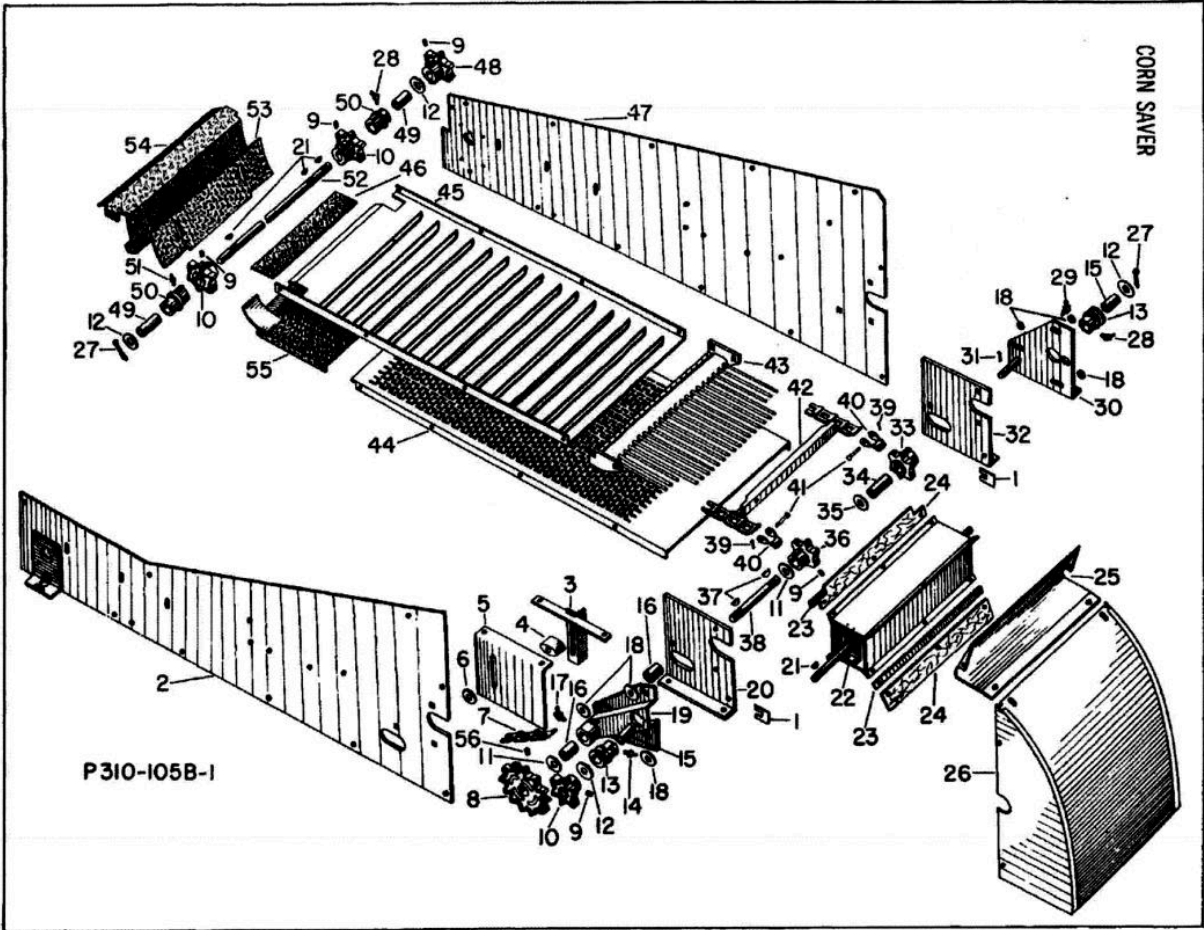
LEVER SECTOR (CONT'D)

Key	Part Number	Part Description	Used
27	K 3328	Spacer, 3/8" I.D., 9/16" O.D. x 5/32" long	1
28	01713 PM	Lever control rod pivot plate	2
29	K 3004	Washer, 13/32" I.D., 13/16" O.D. x 1/16" thick	1
30	01712 PM	Latch link, 3-1/4" long	1
31	01710 PM	Latch guide	1
32	1509 S	Compression spring, 5/8" O.D., 2-5/8" long, 13 coils	1
33	01711 PM	Lever latch, 3/8" dia.	1
34	010215	Cotter pin, 1/8 x 1"	3



Key	Part Number	Part Description	Used
1	K 2248	Washer, 17/32" I.D. x 1-1/8" O.D. x 1/8" thick	2
2	K 3319	Bearing, 3/4" I.D. x 1-13/16" long	1
3	301781	Sprocket, 13 tooth 3/4" bore (Order 301780)	1
	301780	Sprocket with bearing	1
	013849	Carriage bolt, 1/2 x 3"	1
4	K 2922	Spacer, 3/4" O.D., 17/32" I.D. x 1-15/16" long	1
5	0934 SRA	Drive chain, 1-1/4" extended pitch #2050 (For repair of chain see Page 66)	1
6	160 PM	Sprocket 19 tooth 1" bore	1
7	010214	Cotter pin, 1/8 x 3/4"	1
8	301779	Beater shaft, 1" O.D. 13-1/4" long	1
9	2590 P	Rivet, 5/16 x 2-1/4" drilled	1
10	K 864	Washer, 1-1/32" I.D. x 1-5/8" O.D. x 1/16" thick	4
11	301774	Beater support assembly	1
	013583	Machine bolt, 3/8 x 1"	3
	013988	Machine screw, 5/16 x 3/4"	2
12	301778	Beater hub	1
13	011968	Grease fitting, 1/8 N.P.T. 45°	1
14	300358	Blade	2
	013934	Carriage bolt, 3/8 x 2" short sq.	2
15	301824	Beater flap	2
16	300361	Beater strap 1/16 x 1-1/8" flat, 8-7/8" long	2
	013812	Carriage bolt, 5/16 x 1"	6

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REPAIR PARTS

REPAIR PARTS

Key	Part Number	Part Description	Used
1	02763 PM	Shim, 1/8 x 1" flat, 1-5/8" long (as required)	1
2	301418	Rear sheet assembly	4
	013561	Machine bolt, 5/16 x 1/2"	1
3	301631	Shield and idler support assembly	2
	013563	Machine bolt, 5/16 x 3/4"	1
4	300041	Chain slide	1
	013831	Carriage bolt, 3/8 x 2-3/4"	1
5	301812	Shield	2
	013988	Machine screw, 5/16 x 3/4"	1
6	K 3004	Washer, 13/32" I.D. x 13/16" O.D. x 1/16" thick	1
7	#55	Chain link - 17 links	1
8	E 164	12 tooth sprocket, 1-3/32" bore	1
9	K 1153	Set screw, 3/8 x 3/8"	3
10	E 94	6 tooth sprocket, 3/4" bore	3
11	K 864	Washer, 1-1/32" I.D. x 1-5/8" O.D. x 1/16" thick	2
12	K 1766	Washer, 25/32" I.D. x 1-1/2" O.D. x 1/16" thick	4
13	302060	Bearing, order 302061	2
	302061	Bearing with 1 (K3312 bushing), 25/32" bore	1
14	011976	Grease fitting, 1/4 - 28 N.S.T. straight	2
15	K 3312	Bushing, phenolic, 25/32" I.D. x 29/32" O.D. x 2" long	2
16	K 3320	Bushing, phenolic, 1" I.D. x 1-5/32" O.D. x 1" long	1
17	011984	Grease fitting, 5/16 - 32 N.S.T. - 67-1/2 degree	6
18	K 2880	Washer, 7/16" I.D. x 1" O.D. x 1/16" thick	1
19	301438	Bearing plate assembly - rear	1
20	301441	Corn saver bearing bracket - rear	3
	013824	Carriage bolt, 3/8 x 1"	4
21	011253	Key #9 Woodruff, 3/16 x 3/4"	1
22	303626	Paddle assembly	2
23	302056	Reinforcement strip	6
	013988	Machine screw, 5/16 x 3/4"	2
24	303628	Paddle extension	1
25	301458	Corn slide	4
	013986	Machine screw, 5/16 x 1/2"	1
26	301454	Corn saver hood assembly	2
	013561	Machine bolt, 5/16 x 1/2"	2
	013563	Machine bolt, 5/16 x 3/4"	2
27	010230	Cotter pin, 3/16 x 1-1/4"	2
28	011979	Grease fitting, 1/4 - 28 - N.S.T. - 67-1/2 degree	2
29	011967	Grease fitting, 1/8 - N.P.T. - 67-1/2 degree	1
30	301433	Bearing bracket assembly - front	1
31	010231	Cotter pin, 3/16 x 1-1/2"	1
32	301437	Corn saver bearing bracket - front	3
	013824	Carriage bolt, 3/8 x 1"	1
33	301444	6 tooth sprocket, order 301443	1
	301443	6 tooth sprocket with (1) K 3103 bushing 29/32" bore	1
34	K 3103	Bushing fibre, 29/32" I.D. x 1-1/32" O.D. x 2" long	1
35	K 1768	Washer, 29/32" I.D. x 1-1/2" O.D. x 1/16" thick	1
36	E 71	6 tooth sprocket, 1" bore	2
37	011256	Key #13 Woodruff, 3/16 x 1"	1
38	301442	Paddle drive shaft, 1" dia. x 6-5/8" long	2
39	010210	Cotter pin, 3/32 x 3/4"	2
40	# 55	#55 plain coupler link	2
41	K 3882	Coupler pin, 5/16" dia. x 1-11/16" long flat head	2
42	301445	Corn saver conveyor complete - consisting of 1 plain link followed by 5 consecutive units of 1 attachment link followed by 7 plain links; then 1 attachment link followed by 6 plain links, followed by 1 coupler link (Making a total of 49 links for each strand).	1
	301819	Flight with attachment link	1
	55AIRS	Attachment link - right	4
	55AILS	Attachment link - left	1
	55	Plain link	1
43	301430	Finger assembly	1
	013986	Machine screw, 5/16 x 1/2"	4
44	301428	Corn saver lower screen	1
	013986	Machine screw, 5/16 x 1/2"	8

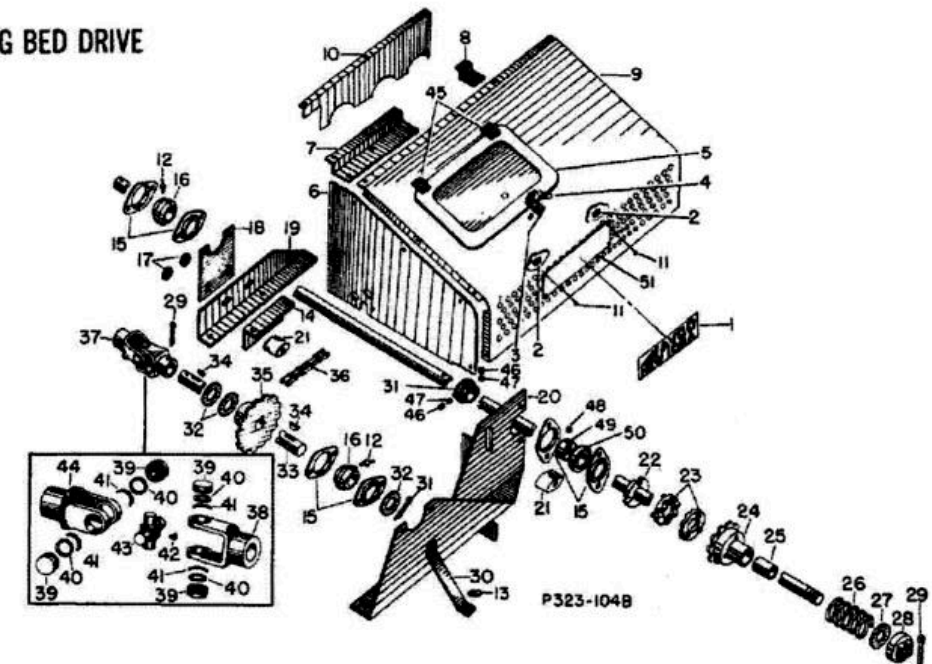
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REPAIR PARTS

Key	Part Number	Part Description	Used
45	302062	Top corn saver screen assembly	1
	013986	Machine screw, 5/16 x 1/2"	8
46	301814	Corn saver extension	1
	013978	Machine screw, 1/4 x 3/4"	2
47	301421	Front sheet assembly	1
	013986	Machine screw, 5/16 x 1/2"	4
48	302058	6 tooth sprocket, 3/4" bore	1
49	K 3614	Bushing, phenolic, 25/32" I.D. x 29/32" O.D. x 1-1/2" long	2
50	302459	Bearing (order 302064)	2
	302064	Bearing with (1) K 3614 bushing, 25/32" bore	1
51	011977	Grease fitting, 1/4 - 28 N.S.T. straight	2
52	301432	Corn saver drive shaft, 3/4" dia. x 20-3/4" long	1
53	303676	Wrapper adjustment sheet	1
	013811	Carriage bolt, 5/16 x 3/4"	2
54	303675	Corn saver wrapper	1
	013986	Machine screw, 5/16 x 1/2"	2
	013988	Machine screw, 5/16 x 3/4"	2
55	303673	Corn saver end sheet	1
	013561	Machine bolt, 5/16 x 1/2"	4
56	K 2631	Set screw, 3/8 x 1/4"	3

HUSKING BED DRIVE



Key	Part Number	Part Description	Used
1	015898	Decal, Avco New Ideal	1
2	015294	Speed nut, flat type	4
3	301810	Shield clip	1
4	K 2845	Wing nut, 1/4 - 20	1
5	301659	Shield door	1
	013978	Machine screw, 1/4 x 1/2"	4

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REPAIR PARTS

Key	Part Number	Part Description	Used
6	301658	Rear shield	1
	013986	Machine screw, 5/16 x 1/2"	5
	013562	Machine bolt, 5/16 x 5/8"	2
7	301808	Shield support	1
	013986	Machine screw, 5/16 x 1/2"	2
8	301809	Shield support	1
	013986	Machine screw, 5/16 x 1/2"	1
9	301655	Shield assembly	1
10	301651	End sheet	1
	013987	Machine screw, 5/16 x 5/8"	4
11	015948	Tapping screw, #10 x 3/8"	4
12	011976	Grease fitting, 1/4" - 28 N.S.T.	2
13	K 2879	Washer, 3/8 I.D. x 7/8" O.D. x 3/64" thick	1
14	301570	Idler bracket, 1-3/8" x 4" angle	1
	013583	Bolt, machine, 3/8 x 1"	2
15	K 4668	Bearing flange	6
	013811	Carriage bolt, 5/16 x 3/4"	6
16	300248	Bearing, 1" bore	2
17	K 1852	Washer, 17/32" I.D. x 1" O.D. x 1/16" thick	2
18	301582	Center bearing plate	1
19	301583	Center bearing angle	1
	014077	Machine bolt, 1/2 x 1"	2
20	301591	Bearing support assembly	1
	013583	Machine bolt, 3/8 x 1"	3
21	300041	Chain slide	1
	013831	Carriage bolt, 3/8 x 2-3/4"	1
22	308011	Husking bed drive shaft, 1" dia. x 56-5/16"	1
23	E 395	Ratchet plate	2
24	718998	Slip clutch sprocket with 1 (K 3180 bushing) 1" bore	1
25	K 3180	Bushing bronze, 1" I.D. x 1-1/4" O.D. x 2"	1
26	2612 P	Spring compression, 2-1/2" O.D. x 3-3/4" - 6 coils	1
27	K 965	Washer, 1-1/4" I.D. x 2-9/16" O.D. x 5/32 (Hardened)	1
28	118 PM	Slip clutch nut	1
29	010246	Cotter pin, 1/4 x 2-1/4"	2
30	301611	Brace, 1/8 x 1-1/4" flat	1
	013563	Machine bolt, 5/16 x 3/4"	1
31	300910	Set collar	1
32	K 864	Washer, 1-1/32" I.D. x 1-5/8" O.D. x 1/16" thick	2
33	301610	Husking bed drive shaft - short - 1" dia. x 4-7/8" long	1
34	011256	Key #13 Woodruff, 3/16 x 1"	2
35	194 PM	14 tooth sprocket, 1" bore keywayed	1
36	0331 PSA	Husking bed drive chain, 1-1/4" extended pitch #2050 (For repair of chain see Page 66)	1
37	K 3522A	Universal joint assembly, 1" bore	1
38	K 3523	Yoke, 1" bore	1
39	K 2653	Needle bearing assembly	4
40	K 2655	Cork oil retainer	4
41	K 2654	Snap ring	4
42	011967	Grease fitting, 1/8 N.S.T. - 67-1/2 degrees	1
43	K 2550	Center cross	1
	K 2550A	Center cross kit complete	1
44	K 3522	Yoke, 1" bore	1
45	K 2627	Hinge	2
	013090	Rivet, Truss Head, 1/4 x 3/8"	1
46	K1170	Set screw hollow no cone point 3/8 x 1/2	2
47	K1171	Set screw hollow no flat point 3/8 x 1/4	2
48	K2692	Set screw 1/4 - 20 x 1/4 Allen no cup point	1
49	K2809	Locking collar 1" I.D.	1
50	K2752	Bearing ball, 2-1/2" O.D. 1" I.D.	1
51	309117	Plate	1

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REPAIR PARTS

HUSKING BED			
Key	Part Number	Part Description	Used
1	302020	Bearing end sheet	1
2	013988	Machine screw, 5/16 x 3/4"	2
2	010215	Cotter pin, 1/8 x 1"	6

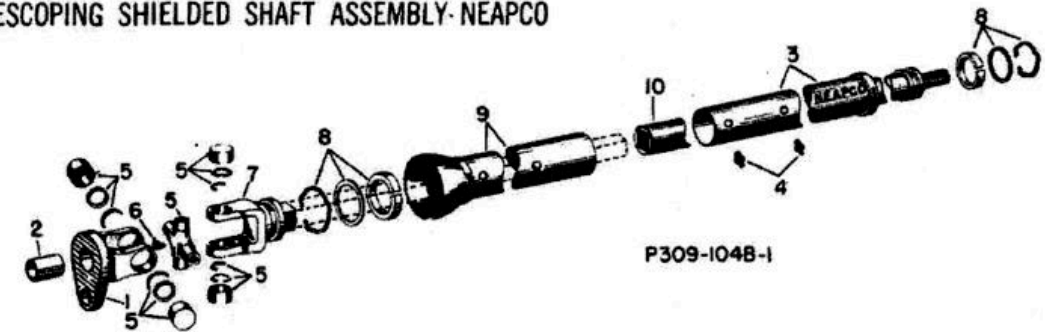
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REPAIR PARTS

Key	Part Number	Part Description	Used
3	K 820	Washer, 15/32" I.D. x 1-1/8" O.D. x 3/32"	12
4	K 3563	Compression spring, 9 coils, 2-7/8" long	6
5	02000 PM	Tension arm	6
6	3162 P	Tension rod, 7/16 dia. x 19"	2
7	013254	Pin, 3/8 x 1-1/4" flat head	6
8	010210	Cotter pin, 3/32 x 3/4"	6
9	1980 P	End spacer, 1" wide x 3-5/8" long x 3/8" thick	2
10	1979 PA-1	Lower husking unit hanger assembly	1
	013616	Machine bolt, 1/2 x 2"	4
11	011967	Grease fitting, 1/8 N.P.T., 67-1/2 degree	5
12	011969	Grease fitting, 1/8 N.P.T., 90 degree	1
13	E 54	Stationary lower husking roll bearing	3
14	300870	Sliding lower husking roll bearing	3
15	K 900	Washer, 1-1/32" I.D. x 2" O.D. x 1/16" thick	18
16	305903	Husking roll bearing hold down lower	3
	013565	Machine bolt, 5/16 x 1"	6
17	02885 PM	Cover for lower husking roll bearing 3-1/8" wide (Rubber rolls)	1
	2473 P	Cover for lower husking roll bearing, 2-1/8" wide (Steel rolls)	1
18	403 P	Short spindle in husking roll, 1" dia., 3-7/8" long	6
	013111	Rivet, flat head, 9/32 x 2-3/4"	6
19	304611	Outside rubber husking roll assembly	2
20	304617	Center rubber husking roll assembly	1
21	308099	Lower husking roll assembly	3
22	E 325A	Upper outside husking roll assembly	2
23	E 326A	Upper center husking roll assembly	1
24	1891 P	Husking peg, wing type	123
25	W 261	Wood plug, 19/32 x 2-3/16"	126
26	A405 P	Trunnion for front upper husking roll, 1" dia. x 7-1/8" long	5
	013111	Rivet, flat head, 9/32 x 2-3/4"	5
27	407 P	Long trunnion in upper husking roll, 1" dia. x 8-1/4" long	1
	013111	Rivet, flat head, 9/32 x 2-3/4"	1
28	011256	Key #13 Woodruff, 3/16 x 1"	5
29	011302	Hi-Pro key, 3/16 x 2-1/8"	1
30	E 136	End stop collar for upper end of husking rolls	6
31	K 959	Washer, 1-11/16" I.D. x 2-1/2" O.D. x 1/16" thick	6
32	301608	Upper husking roll hanger assembly	1
33	E 50	Stationary upper husking roll bearing, 1" bore	3
34	E 52	Sliding upper husking roll bearing, 1" bore	3
35	011966	Grease fittings, 1/8 N.P.T., 45 degree	6
36	K 873	Washer, 1-1/32" I.D. x 1-3/4" O.D. x 1/16" thick	12
37	305677	10 tooth spur gear, 1" bore	6
38	010231	Cotter pin, 3/16 x 1-1/2"	5
39	301607	Rear husking bed support plate	1
	013583	Machine bolt, 3/8 x 1"	2
40	305787	Rear husking bed sheet assembly	1
	013580	Machine bolt, 3/8 x 3/4"	4
41	301628	Husking roll deflector, rear	1
	013986	Machine screw, 5/16 x 1/2"	6
42	301701	Elevator slide, filler sheet	1
	013987	Machine screw, 5/16 x 5/8"	2
43	K 3037	Washer, 11/32" I.D. x 11/16" O.D. x 1/16" thick	2
44	301627	Husking roll deflector, front	1
	013986	Machine screw, 5/16 x 1/2"	6
45	305784	Front husking bed sheet assembly	1
	013580	Machine bolt, 3/8 x 3/4"	4
46	K 874	Washer, 1-1/32 I.D. x 1-3/4 O.D. x 1/16" thick - keywayed (as required)	A.R.
47	2393 P	Shim for lower hanger, 1" x 3-5/8" x 1/8"	
48	304669	Rubber disc, 1-3/16" I.D.	
49	302070	Collar, upper, 2-3/4" O.D., 1-3/16" I.D.	
	02881 PM	Drive pin, 3/16 x 1-1/2"	
50	302069	Collar, lower, 2-5/8" O.D., 1-3/16" I.D.	
	02881 PM	Drive pin, 3/16 x 1-1/2"	
51	305789	Fan support, rear	1
52	305786	Fan support, front	1
	013987	Machine screw, 5/16 x 5/8"	4
	013583	Machine bolt, 3/8 x 1"	2

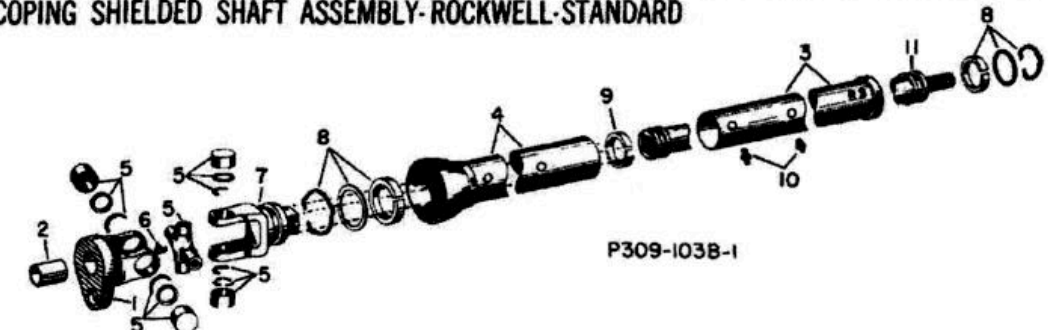
REPAIR PARTS

TELESCOPING SHIELDED SHAFT ASSEMBLY-NEAPCO

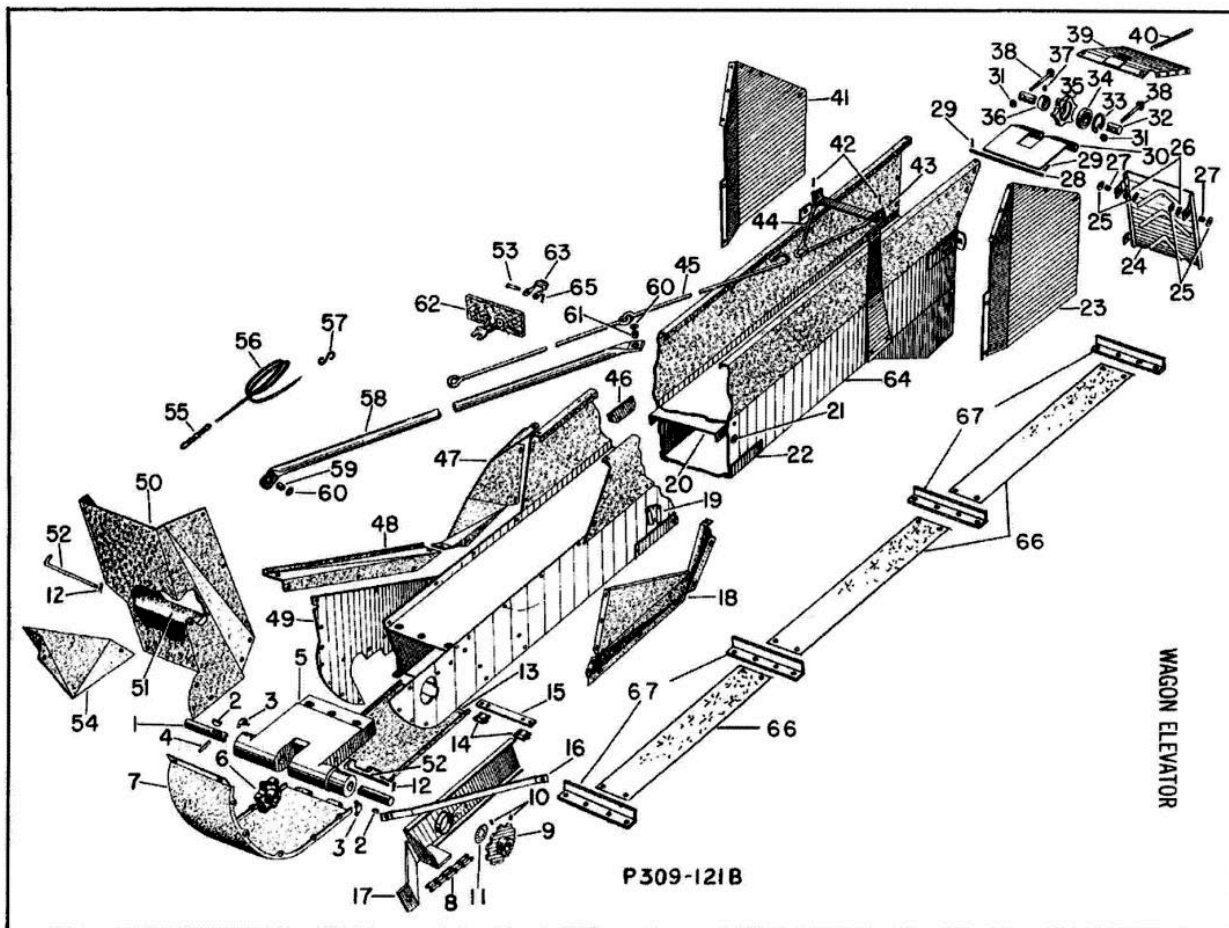


Key	Part Number	Part Description	Used
1	K 5016A	Yoke assembly with bronze bearing	1
2	K 3573	Bronze bearing sintered, 15/-6" I.D., 1-1/8" O.D., 1-1/2" long	1
3	K 4723	Telescoping shield, front half	1
4	011976	Grease fitting, 1/4" straight	1
5	012716	Center cross kit	
	011073	Snap ring kit	
6	011967	Grease fitting, 1/8" pipe thread, 67-1/2 degree	1
7	K 4720	Yoke and shaft assembly	1
8	K 3804A	Bearing kit includes nylon bearing, washer and lock ring	1
9	K 4721	Telescoping shield, rear half	1
10	K 4722	Telescoping tube and splined shaft	1

TELESCOPING SHIELDED SHAFT ASSEMBLY-ROCKWELL-STANDARD



Key	Part Number	Part Description	Used
1	K 5016A	Yoke assembly with bronze bearing	1
2	K 3573	Bronze bearing sintered 15/16" I.D., 1-1/8" O.D., 1-1/2" long	1
3	010481	Telescoping shield front half	1
4	010483	Telescoping shield, rear half	1
5	012716	Center cross kit	
	011073	Snap ring kit	
6	011967	Grease fitting, 1/8" pipe thread, 67-1/2 degree	1
7	K 4804	Yoke and shaft assembly	1
8	K 4789A	Bearing kit includes nylon bearing, washer and lock ring	1
9	K 4711	Nylon bearing	1
10	011976	Grease fitting, 1/4" straight	1
11	010482	Telescoping tube and splined shaft	1



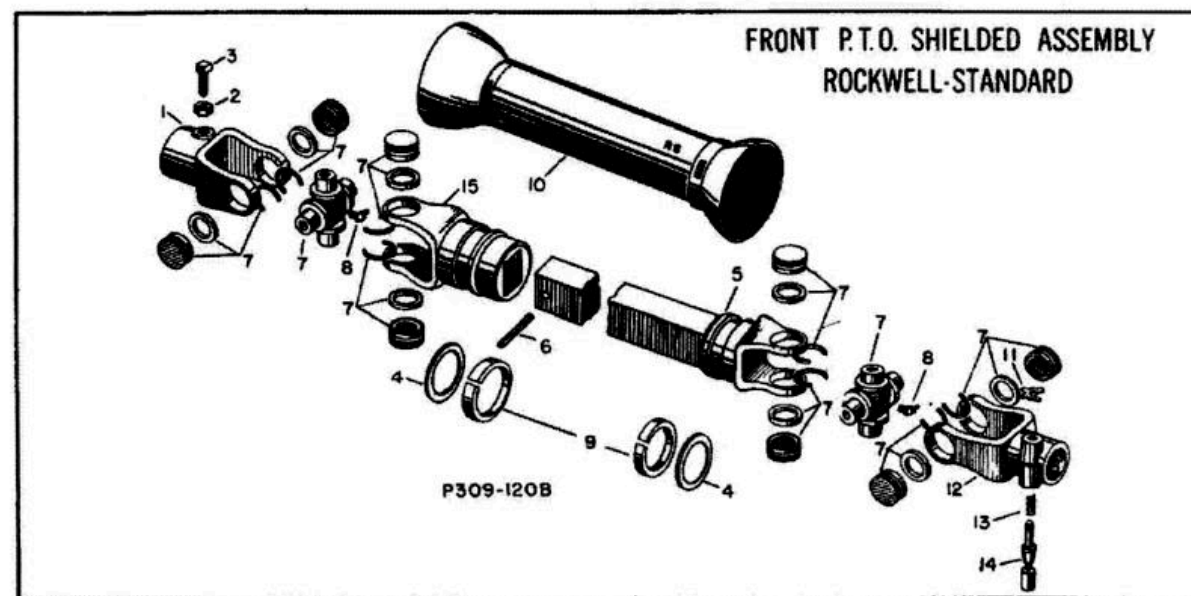
REPAIR PARTS

REPAIR PARTS

Key	Part Number	Part Description	Used
1	301745	Elevator drive shaft, 1" dia. x 9-3/4" long	1
2	011256	Key #13 Woodruff, 3/16" x 1"	2
3	011965	Grease fitting, 1/8 N.P.T. 30 degree	2
4	K 4169	Roll pin, 5/16 x 1-5/8" long	1
5	302052	Lower bearing housing	1
	013656	Machine bolt, 5/16 x 1"	6
6	302051	6 tooth Sprocket, 1" I.D.	1
7	301742	Wagon elevator boot	1
	013987	Machine screw, 5/16 x 5/8"	7
8	02462 PMA	Wagon elevator drive chain, 1-1/4" extended pitch #2050 (For repair of chain see Page 66)	1
9	102 PM	11 tooth Sprocket, 1" I.D.	1
19	K 1153	Set screw, 3/8 x 3/8 hollow hd.	2
11	K 874	Washer, 1-1/32" I.D., x 1-3/4" O.D. x 1/16" thick (keyway)	2
12	010210	Cotter pin, 3/32 x 3/4"	2
13	301743	Wagon elevator door	1
14	K 2627	Butt hinge	2
15	301813	Strap, 3/4" wide, 6" long, 1/8" thick	1
	013977	Machine screw, 1/4 x 5/8"	4
16	301708	Elevator support brace	1
	014077	Machine bolt, 1/2 x 1"	1
	013614	Machine bolt, 1/2 x 1-1/2"	1
17	301705	Outer elevator support assembly	1
	014077	Machine bolt, 1/2 x 1"	2
	013613	Machine bolt, 1/2 x 1-1/4"	1
18	301815	Filler sheet	1
	013986	Machine screw, 5/16 x 1/2"	6
	013987	Machine screw, 5/16 x 5/8"	5
19	K 3801	Socket lamp bracket	1
20	02469 PM	Reinforcement bracket	1
	013811	Carriage bolt, 5/16 x 3/4"	2
21	K 3073	Washer, 11/32" I.D., 1-3/8" O.D., 1/16" thick	2
22	302050	Elevator bottom angle 1-1/4 x 1-1/4 x 36"	2
23	300669	Wagon elevator hood assembly, L.H.	1
	013986	Machine screw, 5/16 x 1/2"	7
24	301718	Corn deflector assembly	1
25	K 3913	Washer, 13/32" I.D., x 1-3/8" O.D. x 1/16" thick	4
26	K 815	Washer, 19/32" I.D., x 1" O.D. x 1/16" thick	2
27	2642 P	Bushing, 9/16" O.D. x 5/16" thick	2
28	301757	Spacer rod, 3/8" dia. x 7-5/16" long	1
29	010214	Cotter pin, 1/8 x 3/4"	2
30	01976 PM	Anti-wrap Shield	1
31	K 578	Nut, 3/8 jam	2
32	01975 PM	Wagon elevator idler shaft, 7/8" dia. x 8-3/8" long	1
33	K 1820	Snap ring external	1
34	K 3300	Bearing ball, 7/8" I.D.	1
35	303881	6 tooth Idler Sprocket	1
36	K 3301	Locking collar, 7/8" I.D.	1
37	K 2692	Set screw, 1/4 x 1/4 cup point allen hd.	1
38	K 516	Machine bolt, 3/8 x 3-1/2"	2
39	301716	Hood bracket assembly	1
	013986	Machine screw, 5/8 x 1/2"	8
40	010544	Spring extension, 3/32" wire, 55 coils, 5-3/4" long.	1
41	300668	Wagon elevator hood assembly, right hand	1
	013986	Machine screw, 5/16 x 1/2"	7
42	010229	Cotter pin, 3/16 x 1"	2
43	301751	Rod support gusset, 1/4 x 1-3/4" flat, 13-3/4" long	1
44	301752	Elevator bale	1
45	301753	Elevator support rod	1
46	301747	Wagon elevator support brace	1
47	301746	Hopper assembly	1
	013986	Machine screw, 5/16 x 1/2"	5
48	301748	Filler sheet, inside lower	1
	013986	Machine screw, 5/16 x 1/2"	5

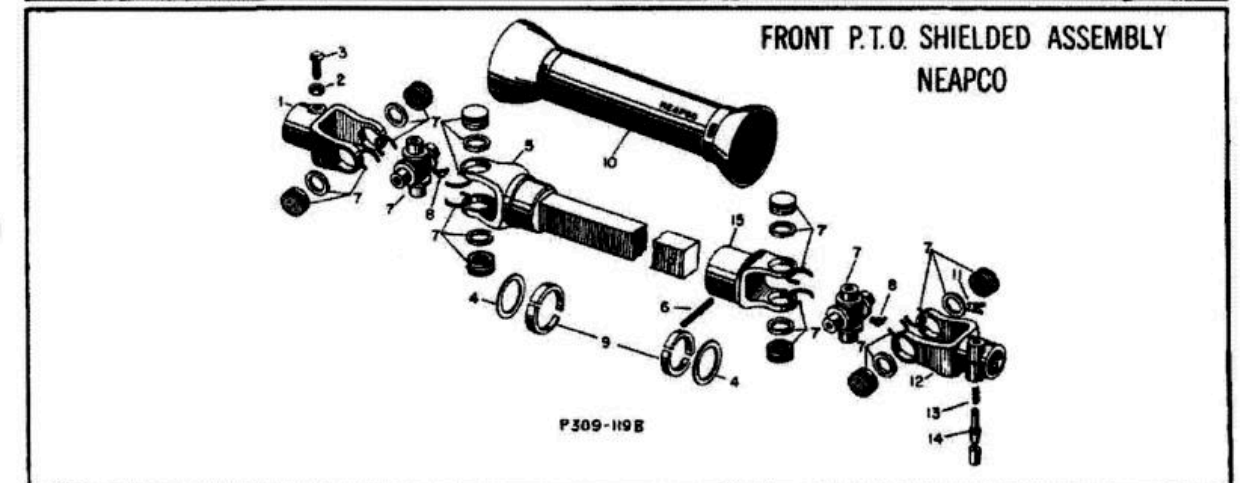
REPAIR PARTS

Key	Part Number	Part Description	Used
49	301734	Inner support assembly	1
50	301721	Hopper front	1
	013987	Machine screw, 5/16 x 5/8"	5
	013986	Machine screw, 5/16 x 1/2"	6
51	301722	Elevator hopper door	1
52	301723	Hopper door hinge pin, 1/4" dia.	2
53	K 3859	Coupler link pin, 11/32 x 2-7/32"	1
54	301725	Shelled Corn chute	1
	013987	Machine screw, 5/16 x 5/8"	2
55	01638 PM	Support chain, 25 links, 24-3/4" long	1
56	305956	Rope 3/16" x 19' 6"	1
57	T 760	Chain hook	1
58	301755	Elevator side brace	1
	013588	Machine bolt, 3/8 x 1-1/2"	2
59	K 1652	Bushing, 9/16" O.D. x 9/16" long	1
60	K 2880	Washer, 7/16" I.D. x 1" O.D. x 1/16" thick	2
61	2642 P	Bushing, 9/16" O.D. x 5/16" long	1
62	301950	Wagon elevator chain assembly #62 chain, 154 plain links, 17 #62 SH attachment link and 1 coupler 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 links for 4 consecutive times, then 1 attachment link followed by 4 plain links followed by 1 coupler link.	1
	301948	Flight assembly with attachment link	17
	301947	Wagon elevator flight	17
	K 2937	Rivet, 1/4 x 7/8" shouldered	2
	#62 SH	Attachment link	17
	#62	Plain steel chain	154
63	#62 Cplr.	Steel coupler link with pin	1
64	304978	Wagon elevator ass'y	1
65	010210	Cotter Pin, 3/32 x 3/4"	1
66	304955	Cover sheet	3
	013989	Machine screw, 5/16 x 7/8"	4
67	304956	Cover angle	4
	013987	Machine screw, 5/16 x 5/8"	2
68	K 1773	Washer, 1-1/32" I.D. x 1-5/8" O.D. x 3/32" thick	A.R.



REPAIR PARTS

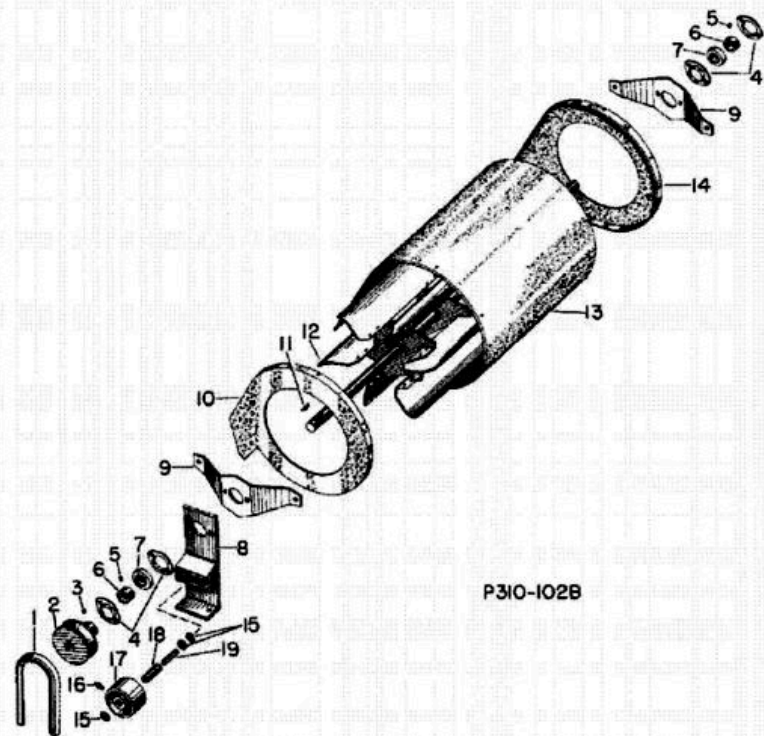
Key	Part Number	Part Description	Used
1	K 3340	Yoke, 1-1/4" spline	1
2	K 3167	Jam nut, 1/2"	1
3	K 4504	Set screw, 1/2"	1
4	K 3420	Washer, 2-5/16" I.D. x 2-25/32" O.D. x 3/32" thick	2
5	010042	Yoke and shaft assembly, 1" square x 16-15/16" long	1
6	K 3427	Drive pin, 5/16" O.D. x 2" long	1
7	012716	Center cross kit	
	011073	Snap ring kit	
8	011967	Grease fitting, 1/8 pipe thread 67-1/2 degree	2
9	K 4789A	Bearing and washer	2
	K 4602	Bearing, nylon, 2-9/32" I.D. x 2-13/16" O.D. x 3/8" thick	2
10	010040	Shield yoke and shaft assembly	1
	010041	Shield, 12-11/16" long	1
11	K 3421	X washer	1
12	K 3339A	1-3/8" splined yoke assembly - X washer, spring and pin	1
13	K 1846	Lock pin spring, 4 coils, 7/8" long	1
14	K 3424	Quick lock pin	1
15	010043	Yoke, 1" O.D., 3-11/16" long	1



Key	Part Number	Part Description	Used
1	K 3340	Yoke, 1-1/4" spline	1
2	K 3167	Jam nut, 1/2"	1
3	K 4504	Set screw, 1/2"	1
4	010039	Washer, 1-13/16" I.D. x 2-55/64" O.D. x 3/32" thick	1
5	010037	Yoke and shaft assembly, 1" square, 16-15/16" long	1
6	K 3427	Drive pin, 5/16" O.D. x 2" long	1
7	012716	Center cross kit	
	011073	Snap ring kit	
8	011987	Grease fitting, 1/8" pipe thread, 67 1/2 degree	2
9	010045	Bearing kit (2-K 4678 nylon bearing	2
10	010035	Shielded yoke and shaft assembly	1
	010036	Shield, 17-1/8" long	1
11	K 3421	X washer	1
12	K 4680A	1-3/8" splined yoke assembly, X washer, spring and pin	1
13	K 1846	Lock pin spring, 4 coils, 7/8" long	1
14	K 3993	Quick lock pin	1
15	010038	Yoke, 1" I.D., 3-1/2" long	1

REPAIR PARTS

FAN



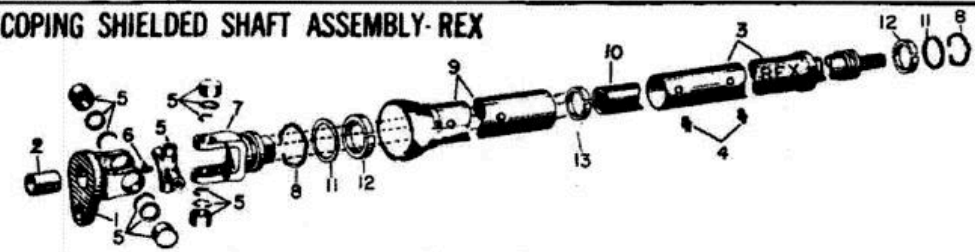
P310-102B

Key	Part Number	Part Description	Used
1	K 5009	V-belt for fan, effective length, 41-1/16"	1
2	E 288	V-belt sheave, 1" bore	1
3	K 1153	Set screw, 3/8 x 3/8" cup point	1
4	K 4668	Bearing housing	4
	013812	Carriage bolt, 5/16 x 1"	4
5	K 2692	Set screw, 1/4 x 1/4"	2
6	K 2809	Lock collar, 1" bore (with K 2692 set screw)	2
7	K 2752	Bearing ball assembly, 1" bore	2
8	301675	Fan bracket assembly	1
	013583	Machine bolt, 3/8 x 1"	2
9	305790	Fan bearing bracket	2
	013811	Carriage bolt, 5/16 x 3/4"	4
10	305306	Fan side, front	1
	014005	Machine screw, #10 - 3/8"	8
11	011256	Key #13 Woodruff, 3/16 x 1"	1
12	301668	Fan assembly	1
13	305304	Fan wrapper	1
14	305305	Fan side, rear	1
	014005	Machine screw, #10 - 3/8"	8
15	K 4324	Washer, 17/32" I.D. x 1-1/4" O.D. x 1/16" thick	3
16	011986	Grease fitting, 1/4" NST	1
17	E 389A	Fan belt idler, 3/4" bore with K 1687 bushing	1
18	K 1687	Bearing sintered, 3/4" I.D. x 1" O.D. x 1-3/8" long	1
19	K 1688	Steel spacer, 17/32" I.D. x 3/4" O.D. x 1-7/16" long	1

NO. 323 ONE ROW PICKER -61-

REPAIR PARTS

TELESCOPING SHIELDED SHAFT ASSEMBLY-REX

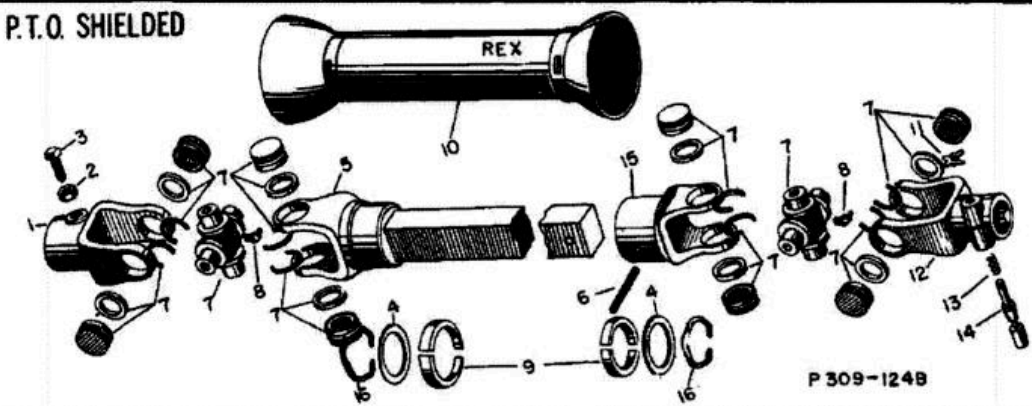


P 309-123 B

Key	Part Number	Part Description	Used
1	K 5016A	Yoke assembly with bronze bearing	1
2	K 3573	Bronze bearing sintered, 15/16" I.D. x 1-1/8" O.D. x 1-1/2" long	1
3	015264	Shield, front	1
4	011976	Grease fitting, 1/4" straight	2
5	012716	Center cross kit	
	011073	Snap ring kit	
6	011967	Grease fitting, 1/8" pipe thread, 67-1/2"	1
7	015281	Yoke and shaft assembly	1
8	K 4712	Lock ring	2
9	015263	Shield, rear	1
10	015282	Tube and splined shaft	1
11	K 4713	Washer, 2-7/16" I.D. x 2-25/32" O.D. x 1/16" thick	2
12	015258	Nylon bearing	2
13	015257	Bearing, Tubular shield, 2-3/8" O.D. x 1/4" thick	1

NOTE: 015261 Drive shaft (rear half)
015262 Drive shaft (front half)

FRONT P.T.O. SHIELDED REX



P 309-124B

Key	Part Number	Part Description	Used
1	K 3340	Yoke, 1-1/4" spline	1
2	K 3167	Jam nut, 1/2"	1
3	K 3166	Set screw, 1/2"	1
4	K 4713	Washer, 2-7/16" I.D. x 2-25/32" O.D. x 1/16" thick	2
5	015278	Yoke and shaft assembly	1
6	K 2785	Roll pin, 3/8" x 2"	1
7	012716	Center cross kit	
	011073	Snap ring kit	
8	011967	Grease fitting, 1/8" pipe thread, 67-1/2"	2
9	015258	Nylon bearing	2
10	015266	Shield	1
11	K 3421	"X" Washer	1
12	K 4690A	1-3/8" splined yoke assembly, X Washer, spring and pin	1
13	K 1846	Lock pin spring, 4 coils, 7/8" long	1
14	K 3993	Quick lock pin	1
15	015277	Yoke	2
16	K 4712	Lock ring	

NOTE: 015265 Drive shaft complete

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REPAIR PARTS

Repair For Roller Chain

#40 ROLLER CHAIN - 1/2" PITCH

K 4617A	10' Roll
010982	50' Roll
010983	100' Roll
K 2034	Roller Link
K 2035	Offset Link
K 2036A	Connector Link

#50 ROLLER CHAIN - 5/8" PITCH

K 4618A	10' Roll
010984	50' Roll
010985	100' Roll
K 2037	Roller Link
K 2038	Offset Link
K 2039A	Connector Link

#50 DOUBLE ROLLER CHAIN 50-2

013436	10' Roll
012861	Connector Link
K 3720	Spring Clip

#60 ROLLER CHAIN - 3/4" PITCH

K 4619A	10' Roll
010986	50' Roll
010987	100' Roll
K 2040	Roller Link
K 2041	Offset Link
K 2042A	Connector Link

#60H ROLLER CHAIN - HEAVY 3/4" PITCH

011848	10' Roll
K 4188	Offset Link
K 4189	Roller Link
K 4190A	Connector Link

#60 DOUBLE ROLLER CHAIN 60-2

013437	10' Roll
K 2251A	Connector Link
K 2252	Offset Link
K 3721	Spring Clip

#80 ROLLER CHAIN - 1" PITCH

K 4620A	10' Roll
010988	50' Roll
010989	100' Roll
K 2043	Roller Link
K 2044	Offset Link
K 2045A	Connector Link

#2040 ROLLER CHAIN - 1" EXTENDED PITCH

K 4621A	10' Roll
010990	50' Roll
010991	100' Roll
K 3007	Roller Link
K 3008A	Connector Link
K 3009	Offset Link

#2050 ROLLER CHAIN - 1-1/4" EXTENDED PITCH

K 4622A	10' Roll
010992	50' Roll
010993	100' Roll
K 2568	Roller Link
K 2569A	Connector Link
K 2570	Offset Link

#2060 ROLLER CHAIN - 1-1/2" EXTENDED PITCH

K 4623A	10' Roll
010994	50' Roll
010995	100' Roll
K 4868	Roller Link
K 4869	Offset Link
K 3731A	Connector Link

#CA550 ROLLER CHAIN - 1-5/8" PITCH

011793	10' Roll
012213	Roller Link
012214	Offset Link
012337	Attachment Link - Flat Conveyor
012760	Connector Link
715436	Attachment Link - Single Paddle Conveyor With Rubber Flight
304591	Attachment Link - Gathering Chain
760905	Attachment Link - Gathering Chain (Row Crop 762 & 763)
715446	Attachment Link - Single Paddle Conveyor With Steel Flight

#6700 ROLLER CHAIN - 2-5/16" PITCH

010963	Offset Link
010966	Connector Link
010967	Attachment Link
010968	Roller Link

Import - Roller Chain And Single Links

#40 ROLLER CHAIN - 1/2" PITCH

011866	10' Roll
011874	Roller Link
011875	Offset Link
011876	Connector Link

#50 ROLLER CHAIN - 5/8" PITCH

011867	10' Roll
011877	Roller Link
011878	Offset Link
011879	Connector Link

#60 ROLLER CHAIN - 3/4" PITCH

011868	10' Roll
011869	50' Roll
011880	Roller Link
011881	Offset Link

#2040 ROLLER CHAIN - 1" EXTENDED PITCH

011870	10' Roll
011883	Roller Link
011884	Offset Link
011885	Connector Link

#2050 ROLLER CHAIN - 1-1/4" EXTENDED PITCH

011871	10' Roll
011872	50' Roll
011886	Roller Link
011887	Offset Link
011888	Connector Link

#2060 ROLLER CHAIN - 1-1-2" EXTENDED PITCH

011873	10' Roll
011889	Roller Link
011890	Offset Link
011891	Connector Link

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Repair For Steel Chain and Paint

REPAIR PARTS

#25 Chain	10 Ft. Roll	011206
#25 Chain	1 link	K 1800
#32 Chain	10 ft. Roll	011207
#32 Chain	1 link	K 1801
#42 Chain	10 ft. Roll	011208
#42 Chain	1 link	K 1670
#42 Chain	10 ft. Roll	15P189
#50 H Chain	10 ft. Roll	011847
#51 Chain	10 ft. Roll	15P190
#52 Chain	10 ft. Roll	011209
#52 Chain	1 link	K 1671
#55 Chain	10 ft. Roll	011210
#55 Chain	1 link	K 1672
#57 Chain	10 ft. Roll	011211
#57 Chain	1 link	K 1673
#62 Chain	10 ft. Roll	011212
#62 Chain	1 link	K 1674
#62 H Chain	10 ft. Roll	011214
#62 H Chain	1 link	K 1675
#62 W Chain	10 ft. Roll	011215
#62 W Chain	1 link	K 1676
#67 Chain	10 ft. Roll	011216
#67 Chain	1 link	K 1677
#67 H Chain	10 ft. Roll	011217
#67 H Chain	1 link	K 4036
#67 W Chain	10 ft. Roll	011218
#67 W Chain	1 link	K 1678
#67 X H Chain	10 ft. Roll	011219
#67 X H Chain	1 link	010770
#70 Chain	10 ft. Roll	011220
#70 Chain	1 link	K 1679
#72 Chain	10 ft. Roll	011221
#72 Chain	1 link	K 1803
#77 Chain	10 ft. Roll	011222
#77 Chain	1 link	K 1804

Steel Attachments

#42 AIR	K 1593	57K5	K 1589	67 AIR	K 1598
42 AIL	K 1594	57 Coupler	K 1899	67 AIL	K 1599
45 SD	15P210	62 AIR	15P364	67 ARS	K 1598
55 AIR	15P349	62 AIL	159365	67 ALS	K 1599
55 AIL	15P350	62A13R	K 3855	67C5R	K 1600
55 AIRS	K 1586	62A13L	K 3856	67C5L	K 1601
55 AILS	K 1587	62 Coupler	K 3308	67 HAIR	K 4032
55 ARS	K 1638	62C1	K 2729	67 HAIL	K 4031
55 ALS	K 1639	62C11	010059	67 HARS	K 4032
55 C1	K 1597	62CP	K 1642	67 HALS	K 4031
55A2R	K 4906	62G47R	15P220	67WC6R	K 1603
55A2L	K 4907	62G47L	15P221	67WC6L	K 1604
55G27R	K 1595	62G48R	15A12237	67WC23	K 4673
55G27L	K 1596	62G48L	15A12238	67 X HALS	010768
55SD	K 1592	62 HCP	K 1588	67 X HARS	010769
55 Coupler	K 3881	62K1	15P223	77 ARS	K 1640
57 ARS	K 1590	62 SH	K 1605	77 ALS	K 1641
57 ALS	K 1591	62 SHG	K 4670		

Paints

K 1277	Orange enamel, quart	014881	Bittersweet enamel, 16 ounce spray can
K 1278	Orange enamel, gallon	012477	Bittersweet enamel, quart
014879	Orange enamel, 16 ounce spray can	012478	Bittersweet enamel, gallon
K 1352	Green enamel, quart	014882	Buff enamel, 16 ounce spray can
K 2353	Green enamel, gallon	012483	Buff enamel, quart
014880	Green enamel, 16 ounce spray can	012484	Buff enamel, gallon