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SERVICE LETTER NO. 146
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October 18, 1954.

TO ALL DEALERS:

DEARBORN REAR ATTACHED MOWERS
(MODELS 14-59, 14-62, 14-63, 14-65, 14-66 AND 14-67)
ASSEMBLY AND OPERATING INSTRUCTIONS
SE 6035

We are pleased to announce the completion of an Assembly and Operating Manual, Form SE 6035, for all Dearborn Rear Attached Mowers. A sample of this Manual is attached for your convenience.

This completely new Manual provides information pertaining to the Fordson Major Diesel Tractor Mower as well as the NAA and 8N Tractor Mowers. The former Manual SE-5497-B, and related supplements, SE 5497-B1 and SE 5497-B Supp., are now obsolete.

An initial supply, one for each dealer is attached to this letter. We will be pleased to supply additional quantities when your reserve stocks of these Manuals has been depleted.

Very truly yours,

TRIAD TRACTOR AND IMPLEMENT CORP.

W. C. Robinson
W. C. Robinson
Service Manager

WCR/efb

Attachment - 1

1948

DEARBORN

REAR ATTACHED MOWERS



ASSEMBLY and OPERATING

Instructions

TRACTOR AND IMPLEMENT DIVISION

Ford Motor Company

BIRMINGHAM, MICHIGAN

www.ntractorclub.com

DESCRIPTION

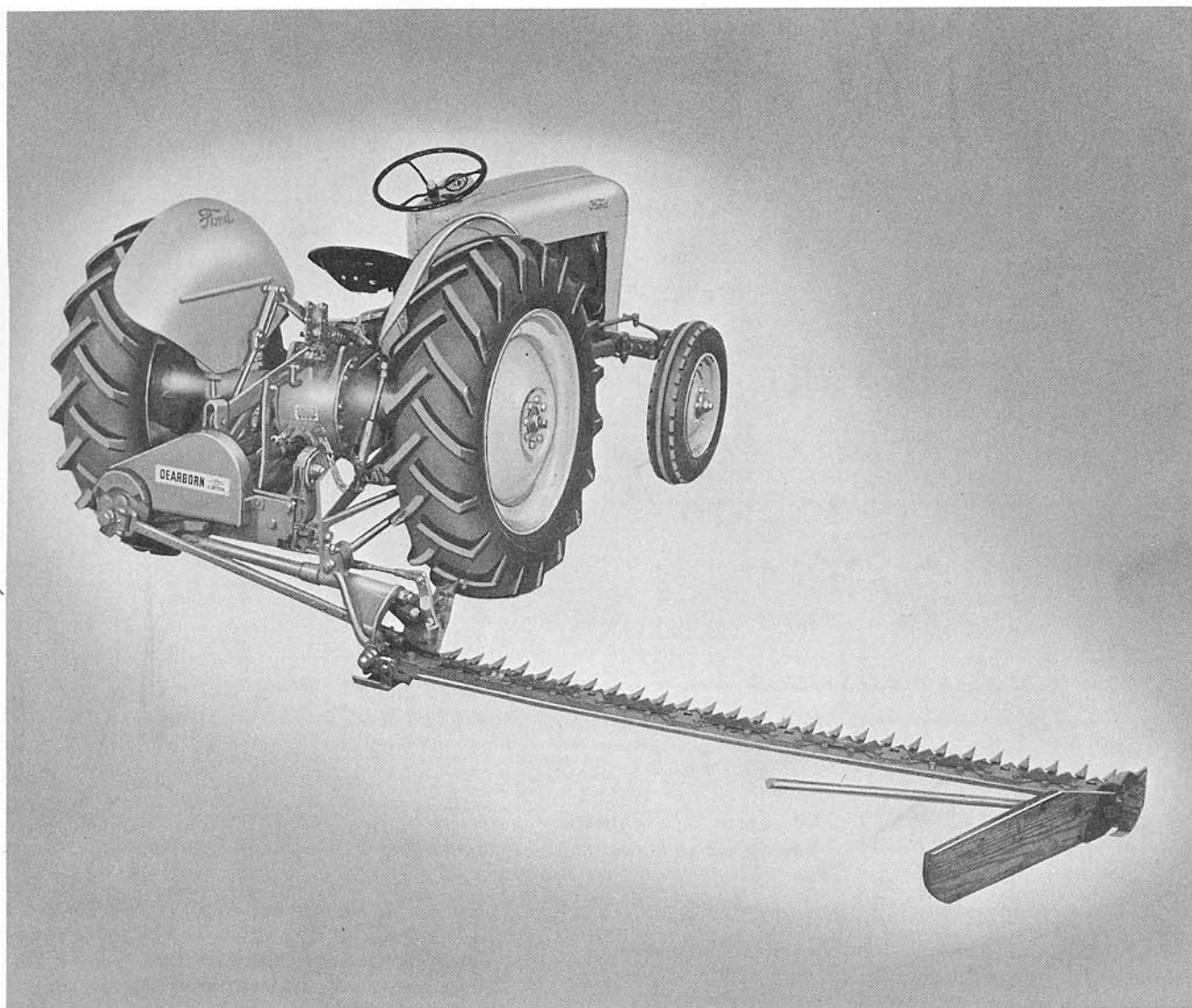


Figure 1
The Dearborn Rear Attached Mower

The Dearborn Rear Attached Mowers are sturdily constructed and designed for safe, efficient operation. An automatic safety release helps to protect the mower and tractor from damage that might be caused by the cutter bar striking an obstruction. A floating type cutter bar suspension permits the cutter bar to follow the contour of the ground closely. Sixteen easily accessible lubrication fittings enable the operator to quickly and thoroughly lubricate the implement.

The Dearborn Rear Attached Mowers can be quickly and easily attached to, or detached from, either the Model 8N or NAA Ford Tractor or the Fordson Major Diesel Tractor. The basic mower assemblies (less cutter bars) are offered in two models. The Model 14-59, Dearborn Rear Attached Mower, is designed for use with either the Model 8N or NAA Ford Tractor. The

Model 14-67, Dearborn Rear Attached Mower, is designed for use with the Fordson Major Diesel Tractor. Instructions for the assembly, detaching, attaching and operation of both models are presented, under separate headings, in this manual.

Two types of cutter bars, available in two sizes with plain guards or rock guards, are manufactured for use with either model basic mower. The Cutter Bar, Model 14-62, is 6' equipped with rock guards, the Model 14-63 is 6' equipped with plain guards, the Model 14-65 is 7' equipped with rock guards, and the Model 14-66 is 7' equipped with plain guards.

This manual contains information pertaining to the assembly, lubrication and operation of your Dearborn Rear Attached Mower. Read it carefully and keep it available for ready reference.

ASSEMBLY

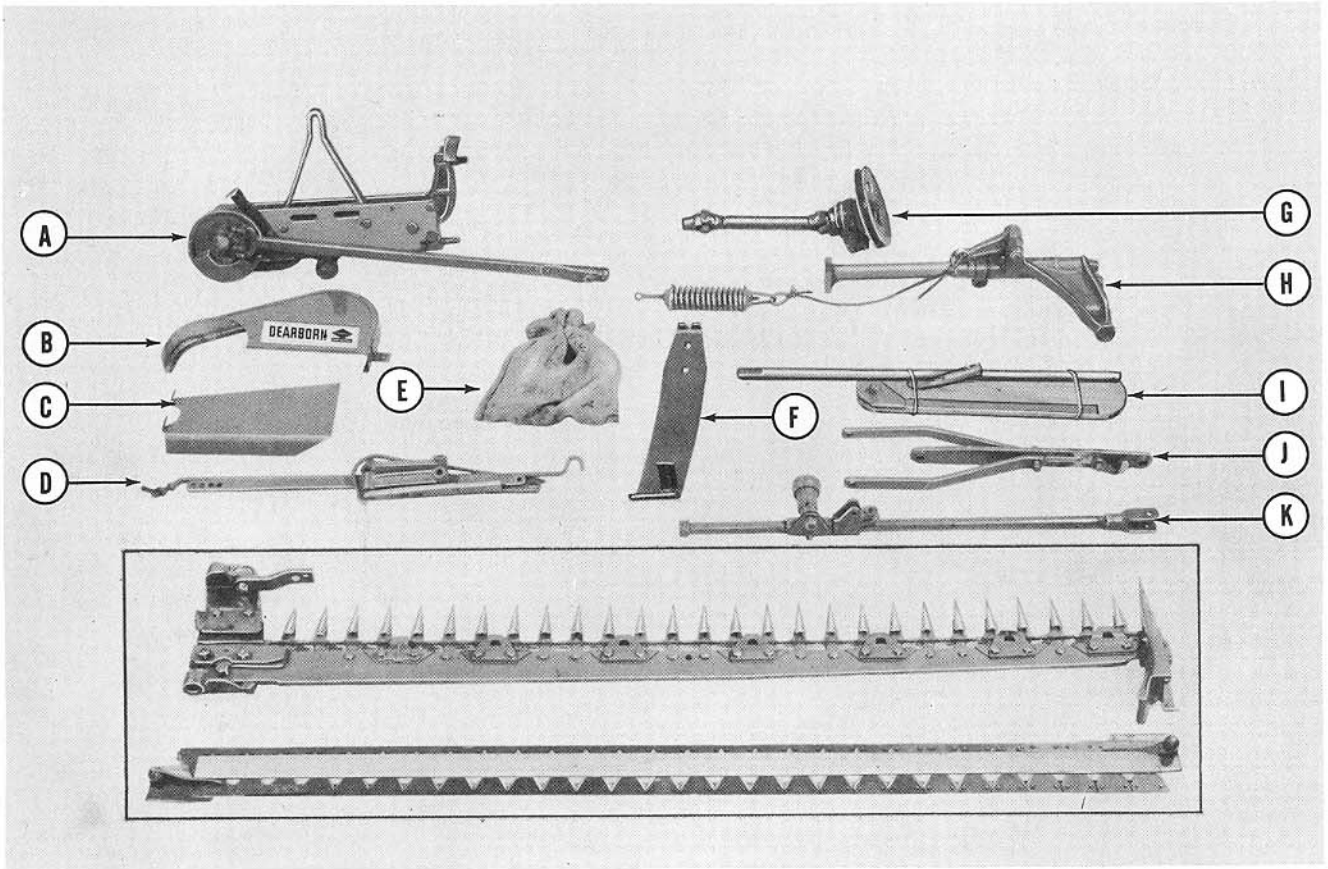


Figure 2
Rear Attached Mower Shipment Breakdown

SHIPPING INFORMATION

Both models of the basic Dearborn Rear Attached Mowers are shipped complete in one bundle. The shipping bundle numbers are the same as the model numbers of the basic mower. The assemblies shipped in these bundles are listed below. Check the shipment against the list and Figure 1, to make certain all parts are received.

Key	Description	Quantity (14-59) (14-67)
A	Main Frame and Pitman Assembly	1
B	Belt Guard	1
C	Drive Shaft Guard	1
D	Two Extension Arms, one Stabilizer Bar, one Tilt Link, one Tilt Lever, one Grass Rod, and one Transport Rod Assembly wired together	1
E	Bag of Parts (Model 14-59) containing one pull bar bracket, one stabilizer bracket, two linch pins, one top link bracket, one assembly and operating manual, one	1

Key	Description	Quantity (14-59) (14-67)
	V-belt, one cable sheave, two hinge pins, two lubrication fittings, one tilt lever clevis, one drag bar socket cap, one rubber socket cup, one 3" pin, one 9" pin, one 5 1/2" top link pin, two transport rod clips, nuts, bolts, flatwashers, lockwashers, spacers and cotter pins.	1
E	Bag of Parts (Model 14-67) The bag of parts shipped with the Model 14-67 Mower is basically the same as the above, with the exception of the stabilizer bar bracket, one 9" pin, two transport rod clips and one 5 1/2" pin; and with the addition of one 3 3/4" pin and one P.T.O. adapter assembly	1
F	Inner Shoe Sole	1
G	Drive Shaft and Sheave Assembly	1
H	Drag Bar Hinge and Balance Spring Assembly	1

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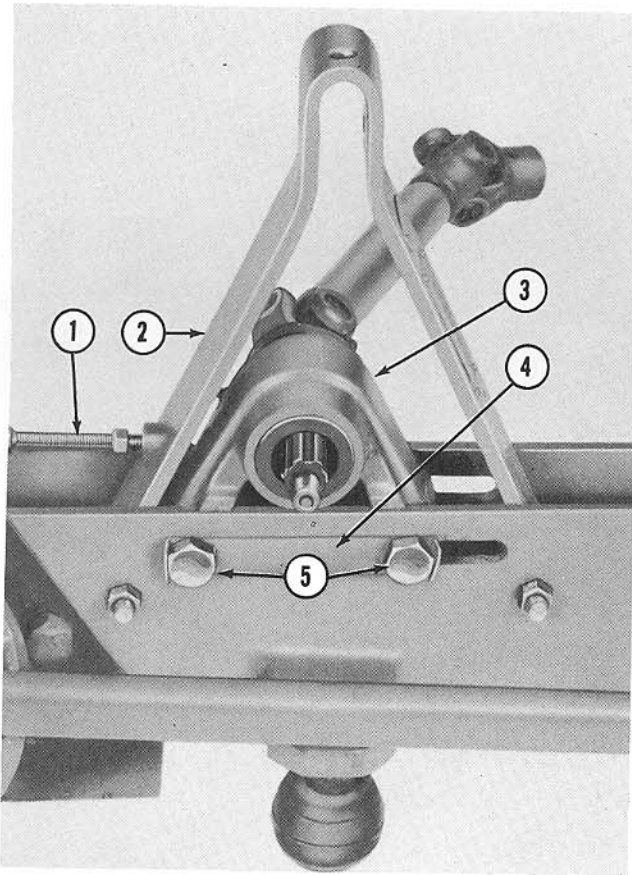


Figure 3
Drive Shaft Attached to Main Frame

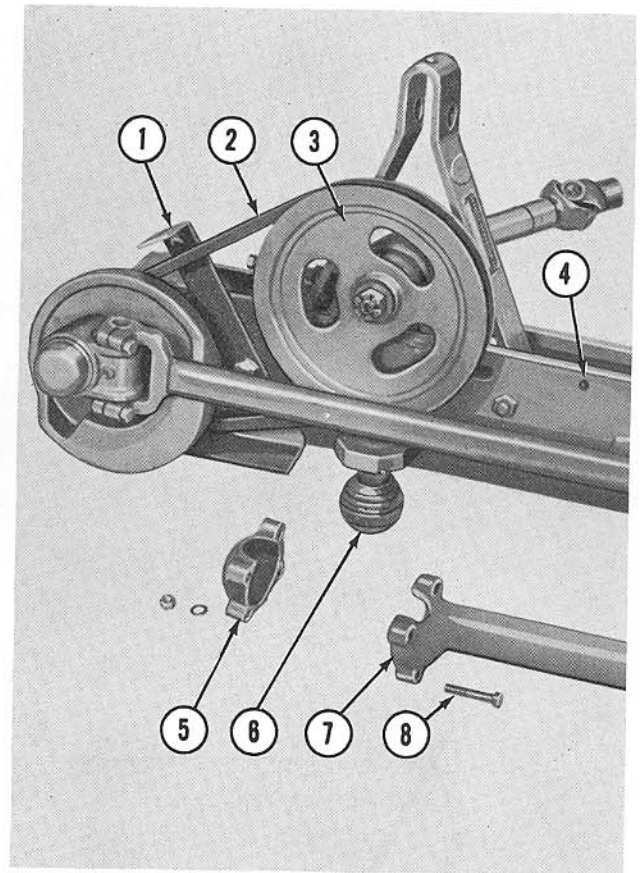


Figure 4
V-Belt and Drive Pulley Attached

Key	Description	Quantity (14-59)	Quantity (14-67)
I	One Grass Stick and one Swathboard Assembly Wired Together	1	1
J	Top Link and Anchor Strap Assembly	1	1
K	Pull Bar Assembly	1	1

The Cutter Bar Assembly (see insert, Figure 1) is extra equipment. When purchased, it comprises an additional bundle which is shipped in the same carton as the basic mower bundle. The shipping bundle numbers for the cutter bars are the same as the model numbers.

ASSEMBLY PROCEDURE Model 14-59

NOTE: It is the responsibility of the Ford Tractor and Implement Dealer to assemble this implement and instruct the owner in its operation, care and maintenance. The following instructions are provided in case of need.

1. Remove the wires, open the bundles and lay out

- Remove the drive pulley (3), Figure 4, from the drive shaft and loosen the belt adjusting bolt (1), Figure 3.
 - Position the drive shaft bearing housing (3), Figure 3, in the main frame close to the left side of the A-frame (2) as shown.
 - Attach the bearing housing to the main frame with the lock plate (4), Figure 3, and the two $\frac{5}{8}$ " x 4" bolts (5), flatwashers, lockwashers and nuts provided. Do not secure at this time.
 - Reattach the drive pulley (3), Figure 4, to the splined end of the drive shaft and secure with the cork seal, flatwasher and nut. Back the nut off $\frac{1}{6}$ turn and secure with the cotter pin provided.
- Slide the V-belt (2), Figure 4, over the pitman arm and onto the pitman drive pulley and the drive shaft pulley (3) as shown. Turn the belt adjusting bolt (1), Figure 3, against the bearing housing (3) until there is $\frac{1}{4}$ " slack in the V-belt, midway between the pulleys. Tighten the nuts on the bolts (5), Figure 3, securely.

ASSEMBLY

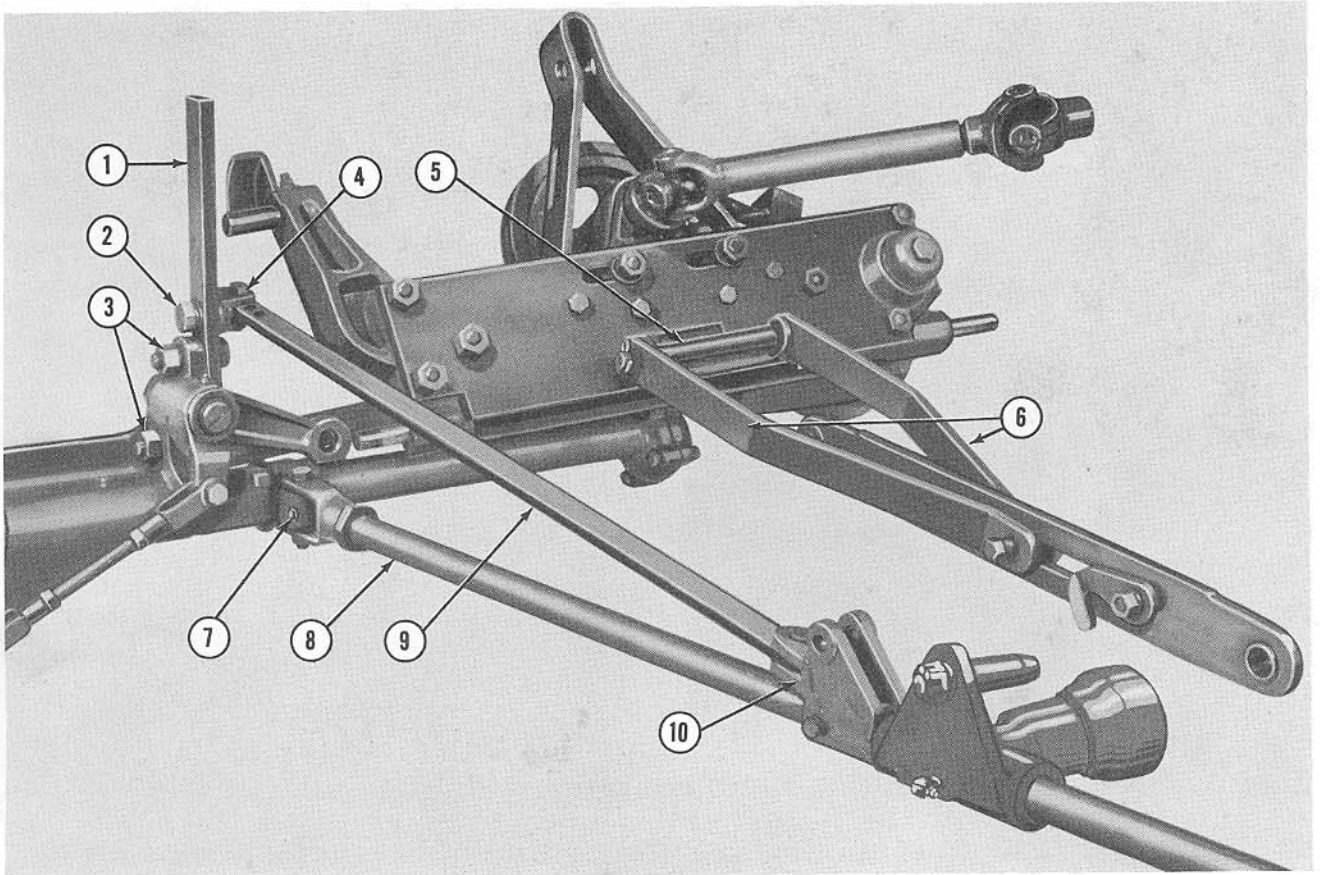


Figure 5
Pull Bar Assembly and Top Link Attached

4. Lubricate the inside of the neoprene cup (6), Figure 4, with grease and place it over the steel ball on the mower frame as shown. Tilt the main frame assembly forward on the drive shaft and secure the drag bar (7), Figure 4, to the ball (6) with the drag bar outer cup (5) and four $\frac{3}{8}$ " x 2" bolts (8). Secure with the lockwashers and nuts provided.

5. Tilt the mower main frame to the rear as shown in Figure 5 and attach the top link anchor straps (6) to the bracket on the front of the main frame. Secure with the $\frac{3}{4}$ " x $8\frac{7}{8}$ " pin (5), flatwashers and cotter pins as shown.

NOTE: Bend the cotter pins well around the pin (5) to prevent grass or hay from catching on them.

6. Attach the tilt lever (1), Figure 5, to the hinge casting with the two bolts (3) and secure with the lockwashers and nuts provided. Attach the tilt link yoke (4), Figure 5, to the left side of the tilt lever with a spacer, flatwasher, lockwasher and $\frac{5}{8}$ " x $1\frac{5}{8}$ " bolt (2), as shown.
7. Attach the yoke end of the pull bar (8), Figure 5, to the eye (7) on the drag bar with the $\frac{1}{2}$ " x

$2\frac{1}{2}$ " spacer, $\frac{1}{2}$ " x $2\frac{11}{16}$ bolt, lockwasher and nut provided.

- a. Attach the forward end of the tilt link (9) (forward end has only one hole) to the bracket (10), as shown in Figure 5, and secure with a $\frac{1}{2}$ " x $1\frac{7}{16}$ " pin and cotter pin.
 - b. Attach the rear end of the tilt link (9) to the yoke (4), Figure 5, with a $\frac{3}{8}$ " x $1\frac{3}{8}$ " bolt, lockwasher and nut.
8. Attach the cutter bar inner shoe (10), Figure 6, to the drag bar hinge (1) as follows:
 - a. Remove the nut (5) from the knife guide plate bolt and position the hinge between the holes on the inner shoe as shown.
 - b. Coat the hinge pins with grease, align the holes and insert the hinge pins (4) and (6), Figure 6, from the inside out.
 - c. Replace and tighten the nut (5), Figure 6 and secure the hinge pins with lockwashers and nuts provided in the bag of parts.
 - d. Insert the fittings (3) and (7), Figure 6, provided in the bag of parts and lubricate the fittings thoroughly.

ASSEMBLY

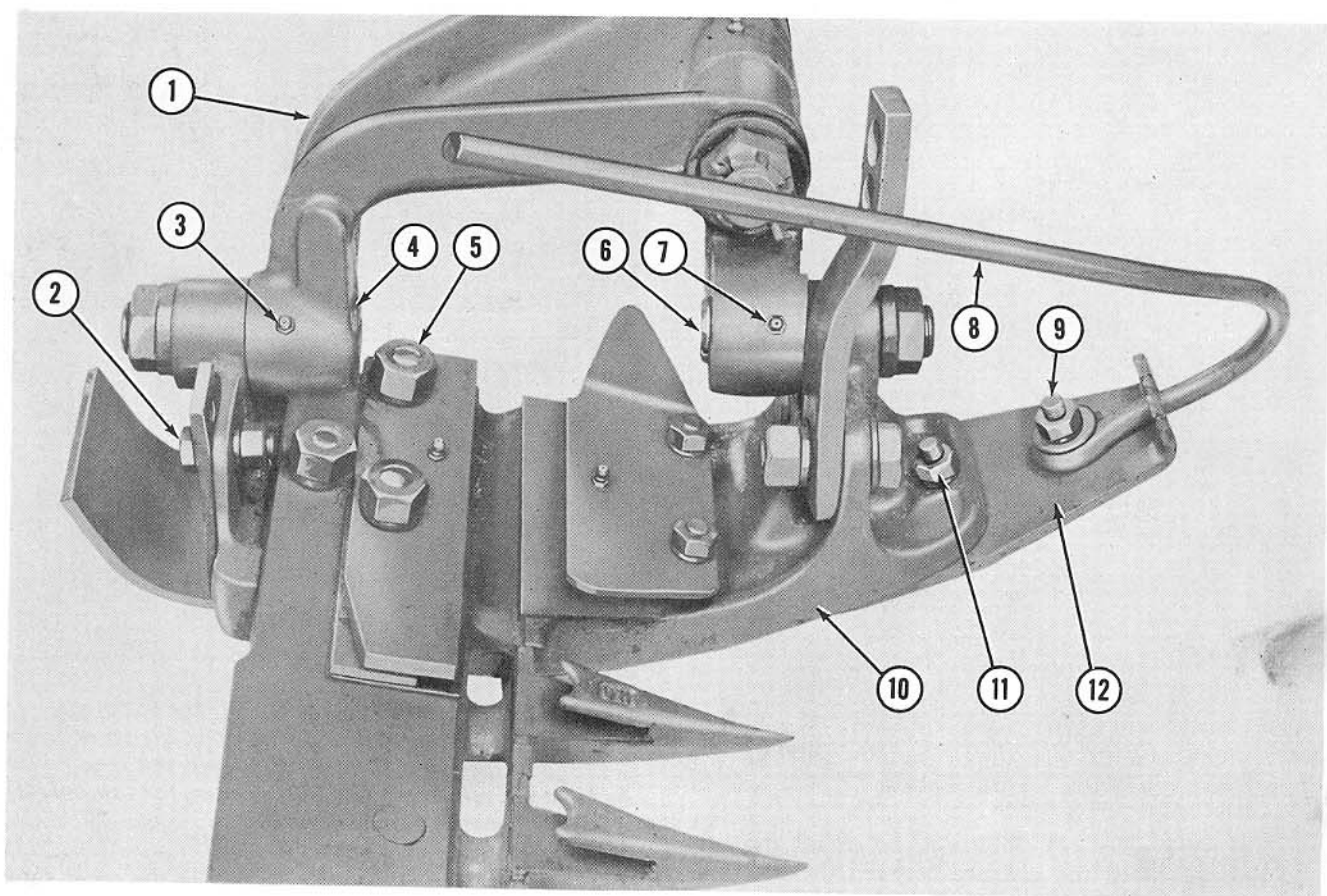


Figure 6
Drag Bar and Hinge Bar Attached to Inner Shoe

9. Attach the inner shoe sole (12), Figure 6, to the inner shoe (10) with a $\frac{7}{16}$ " x $1\frac{1}{2}$ " carriage bolt (11), lockwasher and nut. Attach the rear of the sole in the desired hole of the shoe with a $\frac{1}{2}$ " x $1\frac{1}{4}$ " bolt (2), lockwasher and nut.
10. Attach the grass rod (8), Figure 6, to the forward end of the sole (12) with a $\frac{7}{16}$ " x $1\frac{1}{2}$ " carriage bolt (9), flatwasher, lockwasher and nut as shown.
11. Attach the mower belt guard (5), Figure 7, to the mower main frame as follows:
 - a. Position the belt guard over the flywheel pulley and the drive pulley (3), Figure 4, and align the holes in the guard with the holes in the bracket (1) and the hole (4) in the main frame.
 - b. Secure the guard to the bracket with the two machine screws (4), Figure 7.
 - c. Attach the guard to the threaded hole in the main frame with a 1" cap screw (6), Figure 7.
12. Attach the mower top link (3), Figure 7, to the top of the A-frame (2) with a 3" pin (1) and secure each end with the cotter pins provided.

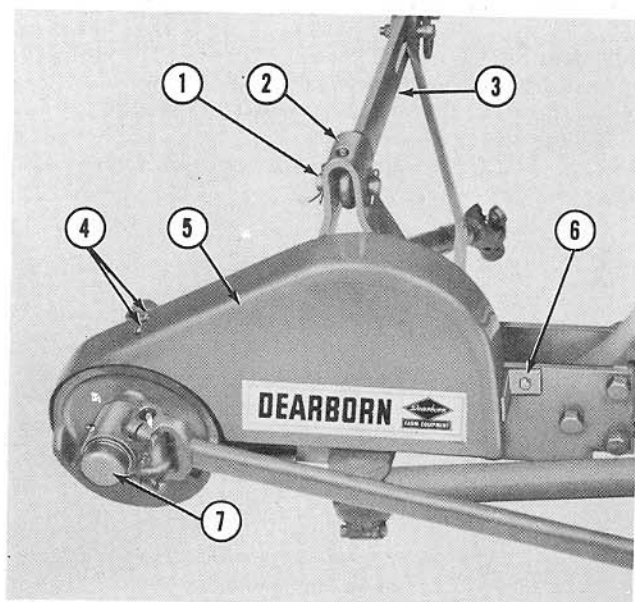


Figure 7
Belt Guard and Top Link Attached

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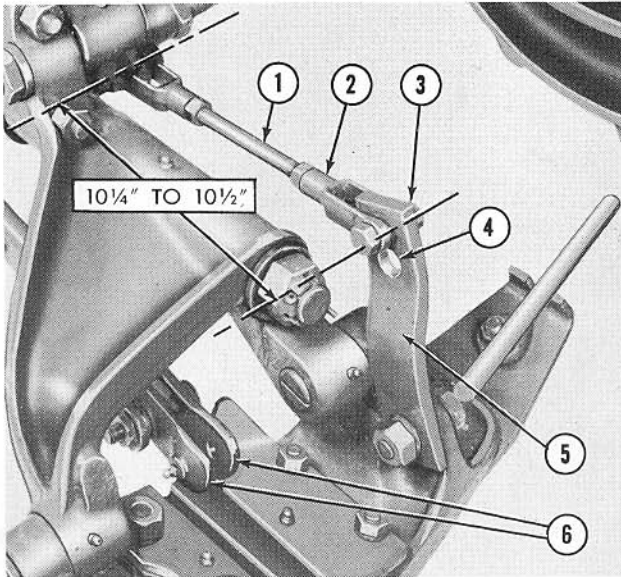


Figure 8
Lift Link Attached to Lift Lever

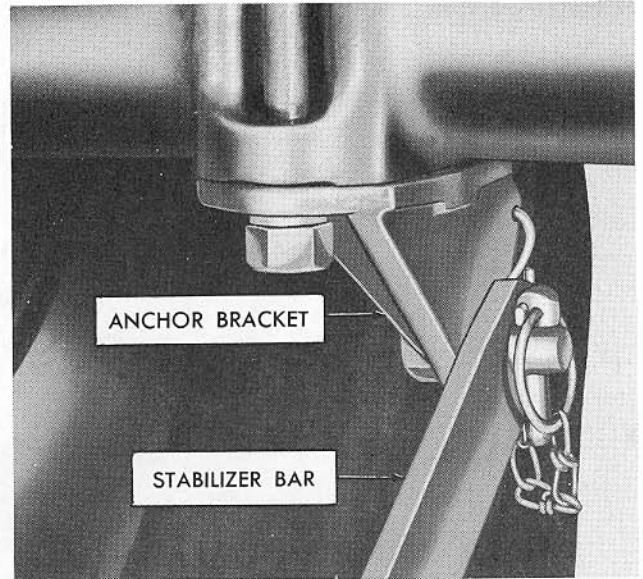


Figure 10
Left Hand Anchor Bracket Attached

13. Raise the outer end of the cutter bar and position the pitman arm so the clamp (6), Figure 8, is centered between the hinge pins and lower the cutter bar to the ground.
14. Turn the yoke (2), Figure 8, on or off the lift link (1) until the distance between the lift link yoke pins is between 10 $\frac{1}{4}$ " and 10 $\frac{1}{2}$ ". Attach the yoke (2) to the desired hole on the lift lever (5) with the spacer, $\frac{3}{8}$ " x 1 $\frac{3}{8}$ " bolt, lockwasher and nut provided.

NOTE: The lift link yoke (2), Figure 8, should be attached in the lower hole (4) of the lift lever when a six foot cutter bar is used. When a seven foot cutter bar is used, attach the lift link yoke in the top hole of the lift lever as shown in Figure 8.

15. Attach the swathboard assembly to the outer shoe as follows:
 - a. Position the swathboard (3), Figure 9, on the right side of the outer shoe (5) and insert a

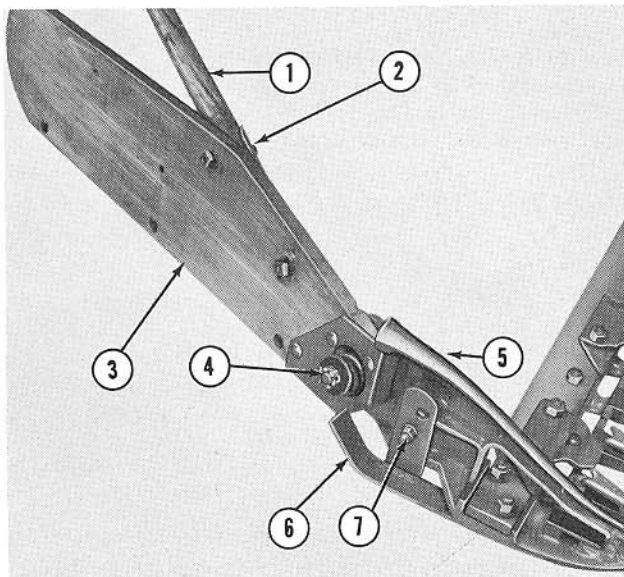


Figure 9
Swathboard Attached to Outer Shoe

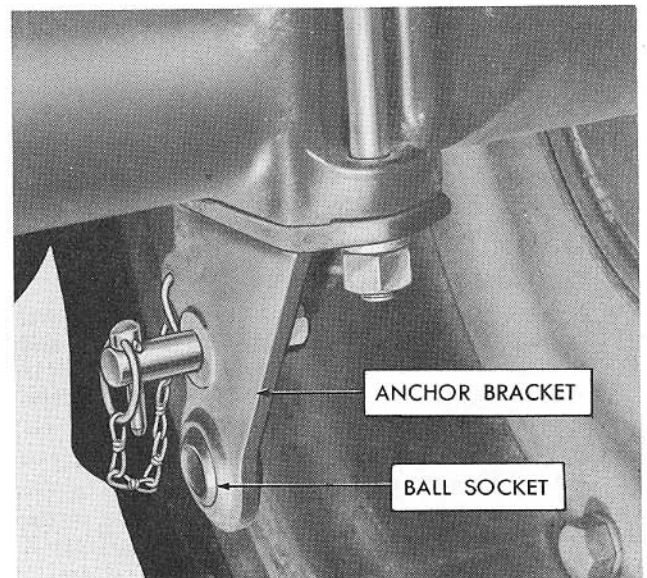


Figure 11
Right Hand Anchor Bracket Attached

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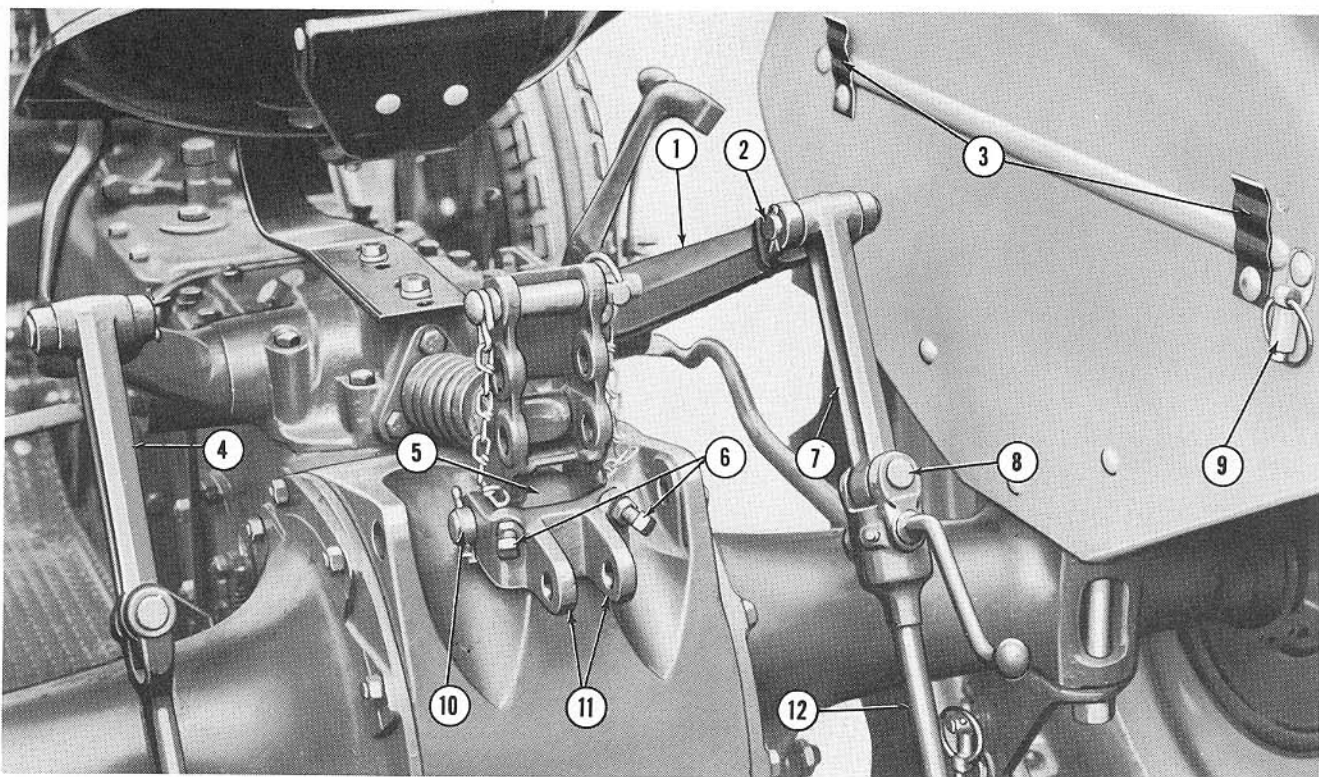


Figure 12

Top Link Bracket, Extension Arms and Transport Rod Attached

- a. Insert a $\frac{1}{2}$ " x $2\frac{3}{4}$ " bolt (4) from the left through the swathboard.
 - b. Place a flatwasher, the spring, and then another flatwasher on the bolt (4) and secure with the castellated nut and cotter pin provided.
 - c. Insert the tapered end of the wooden grass stick (1), Figure 9, into the grass stick clamp as shown and secure with the bolt (2), flatwasher, lockwasher and nut provided.
16. Set the rear tractor wheels to the 52 inch spacing. The front wheels should be set to 48 inch spacing. Refer to the tractor manual for wheel spacing procedure.
17. Attach the left hand anchor bracket to the tractor rear axle housing with fender bolts as shown in Figure 10.
18. Attach the right hand anchor bracket to the tractor rear axle housing with the fender bolts as shown in Figure 11.
19. Attach the extension arms (4) and (7), Figure 12, to the tractor leveling rods as follows:
 - a. Remove the knuckle from between the tractor lift arm (1), Figure 12, and the leveling rod (12).
 - b. Replace the knuckle with an extension arm (7) as shown in Figure 12.
 - c. Attach the extension arm with the pins (2) and (8) which are provided with the tractor, and secure with cotter pins.
 - d. Attach the extension arm (4), Figure 12, to the other lift arm in the same manner.
20. Attach the mower upper link bracket (11), Figure 12, to the lug (5) on the tractor center housing as follows:
 - a. Position the upper link bracket (11) on the lug (5) as shown in Figure 12 and secure with the $5\frac{1}{2}$ " pin (10) and the two $\frac{1}{4}$ " cotter pins provided.
 - b. Tighten the two set screws (6) against the rocker assembly and secure with jam nuts.
21. Attach the transport rod clips (3) to the tractor fender with the lower two fender bolts.

NOTE: On all Ford Tractors produced prior to Serial Number 8N-298562, use Upper Link Bracket, Part No. 141242 and Pin, Part No. 142711. These parts can be obtained on an exchange basis by your local Ford Tractor and Implement Dealer.

ASSEMBLY

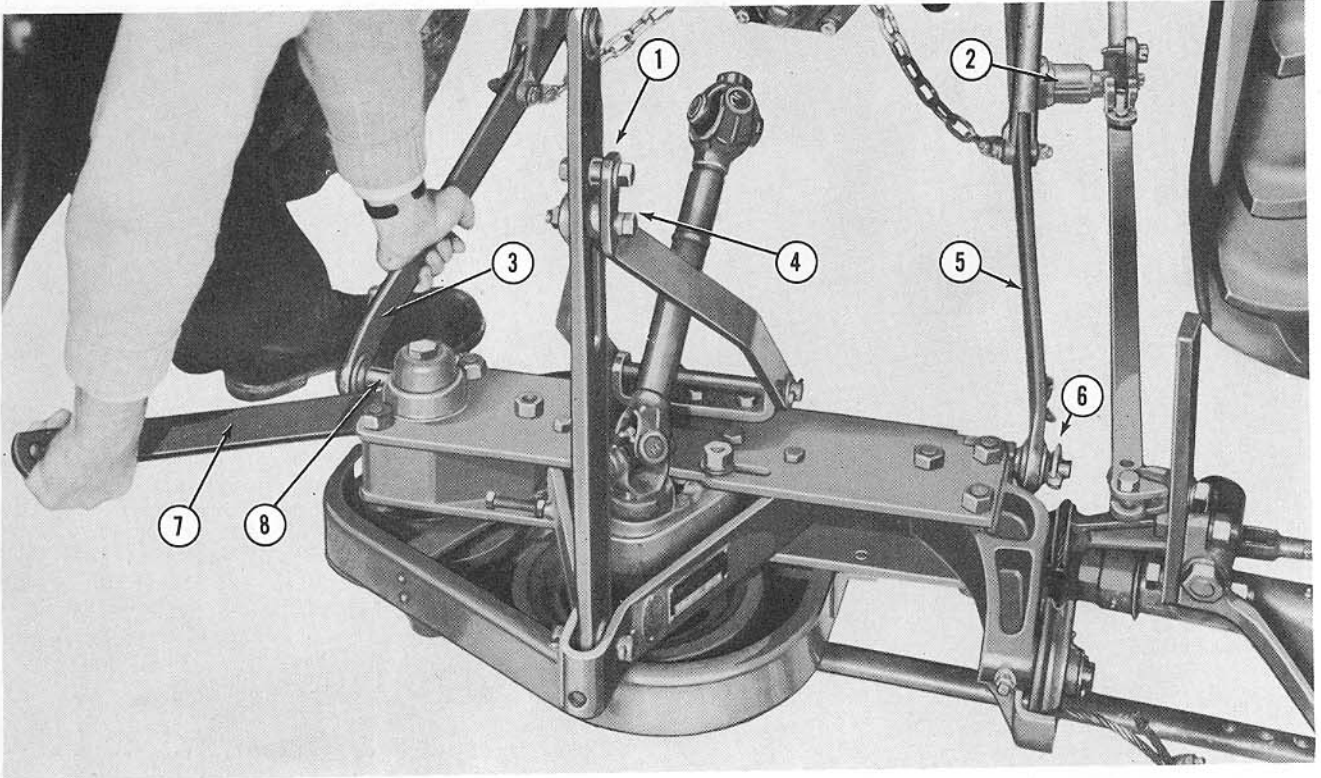


Figure 13
Attaching Tractor Lower Links to Mower Main Frame

NOTE: On all Ford Tractors produced after Serial No. NAA-72567, it will be necessary to invert the right hand linch pin clip (9), Figure 12, as shown.

22. Attach the tractor lower links to the mower main frame as follows:
 - a. Place the mower in a cleared area with the safety release housing (2), Figure 13, positioned as shown. Lock the anchor strap pin (4) with the transport lock (1).
 - b. Back the tractor up to the mower and align the right lower link (5) with the pin (6) by turning the tractor leveling crank. Attach the link and secure with the linch pin provided.
 - c. Pry the pin (8), Figure 13, into alignment with the left tractor link (3) using the stabilizer bar (7) as shown, and slip the left tractor link on the pin.
 - d. Attach the forward end of the stabilizer bar (7), Figure 13, to the left hand anchor bracket as shown in Figure 10 and secure with the linch pin.
 - e. Level the mower main frame with the tractor leveling crank and attach the rear end of the stabilizer bar (7) to the pin (8), Figure 13. Secure with the linch pin provided.

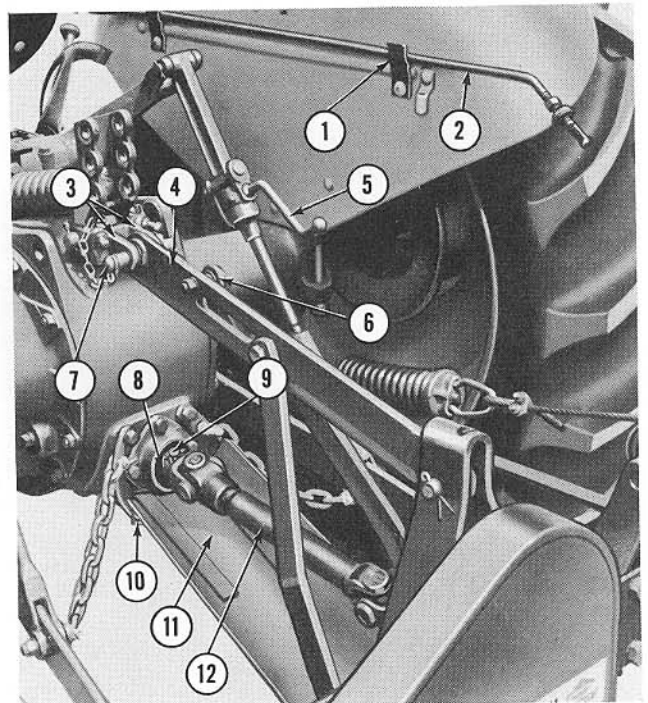


Figure 14
Drive Shaft and Guard Attached

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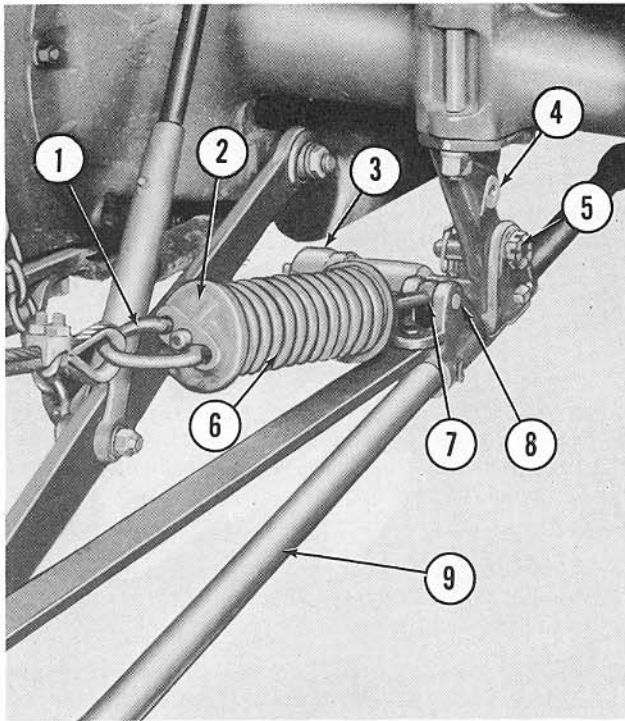


Figure 15
Pull Bar Balance Spring Attached

23. With the Hydraulic Touch Control Lever forward so the mower will not raise, start the tractor engine, engage the tractor P.T.O. lever and attach the mower top link as follows:
 - a. From the tractor seat, grasp the mower top link (4), Figure 14, with the right hand and hold it forward.
 - b. Align the forward end of the top link horizontally with the leveling rod crank (5), Figure 14, so it will fit between the lugs on the bracket (3).
 - c. Raise the mower SLOWLY with the Hydraulic Touch Control Lever and guide the top link (4), Figure 14, into the bracket (3) with the right hand. Insert the pin (7) when the holes are aligned and secure with the linch pin provided on the tractor.
 - d. Release the lock (6), Figure 14, from the top link anchor strap pin, lower the mower and shut off the tractor engine.
24. Attach the pull bar pin (5), Figure 15, to the anchor bracket (4). Secure with the linch pin provided.
25. Turn the adjusting bolt (7), Figure 15, out of the balance spring (6) until it is flush with the spring cap (2) and attach the bolt (7) to the pull bar bracket with the pin (8) and cotter pin.

NOTE: The adjusting bolt (7), Figure 15, is manufactured with a bend in it so that when properly attached the balance spring (6) will be on the left side of the pull bar (9).

26. Complete the balance spring cable assembly and adjustment as follows:
 - a. Lower the right side of the mower main frame about one inch below horizontal with the tractor leveling crank (5), Figure 14.
 - b. Place the cable (1), Figure 16, over the cable sheave (3) and secure the sheave to the bracket shaft with a flatwasher and cotter pin as shown.
 - c. Release the cable clamp (2), Figure 16, pull on the loose end of the cable until all slack is removed and tighten the cable clamp (2) securely, as close to the thimble as possible.
 - d. Raise the right side of the mower main frame with the tractor leveling crank until the U-bolt (1), Figure 15, starts to pull out from the spring cap (2). As the mower is broken in, it is probable that this adjustment will have to be repeated until all of the initial "stretch" is worked out of the new cable.

NOTE: Prior to inserting the knife, check the guard and ledger plate alignment. See Adjustments on page 18.

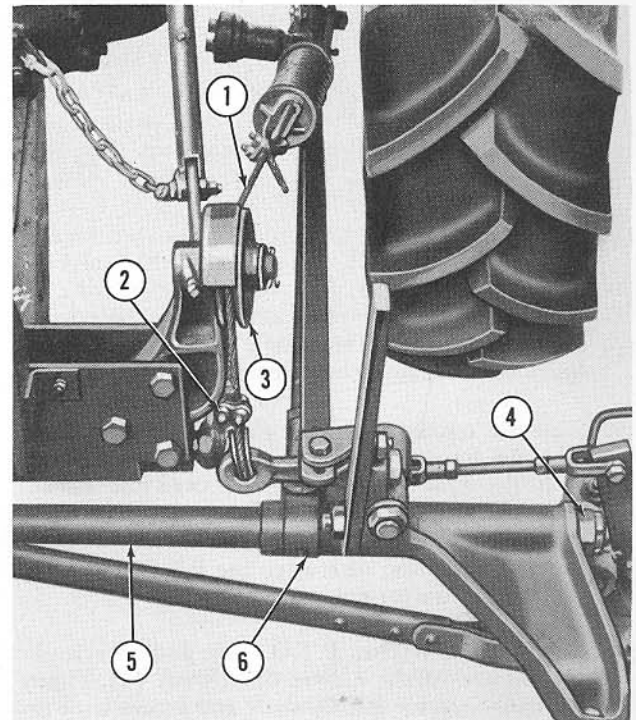


Figure 16
Drag Bar Shims and Cable Attached

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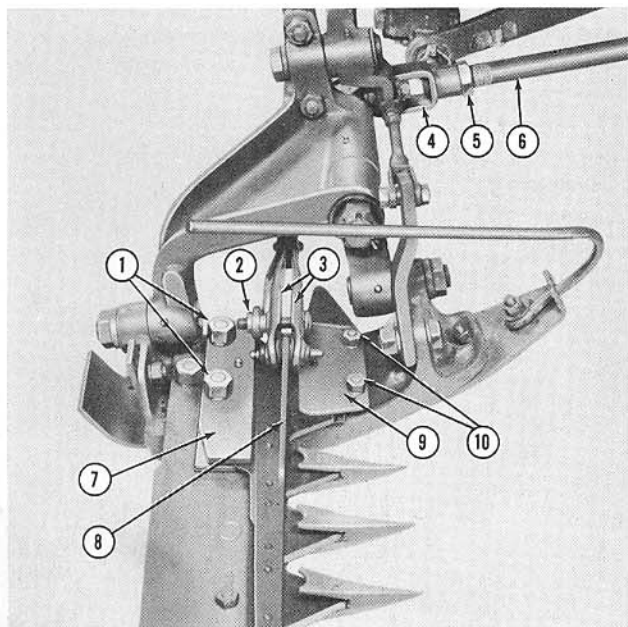


Figure 17
Knife and Pitman Arm Attached

27. Insert the knife and secure the pitman arm to the knife head as follows:
 - a. Insert the knife (8), Figure 17, under the guide plates (7) and (9) with the cutting edge forward as shown.
 - b. Back the lock nut (2) off of the bolt sufficiently and snap the pitman clamp (3) over the knife head as shown.
 - c. Tighten the lock nut (2) until snug, then back it off two notches.
28. Loosen the bolt (10), Figure 14, on each side of the tractor center housing. Raise the universal drive assembly (12), and position the guard (11) with the slotted straps under the two bolt heads as shown. Tighten the bolts (10), Figure 14, and lockwashers against the guard straps.
29. Start the tractor engine, engage the P.T.O. lever, raise the mower and lock it in transport position with the lock (6), Figure 14, over the anchor strap pin.
30. Lower the mower, disengage the P.T.O. lever and shut off the tractor engine.
31. Remove the tractor P.T.O. cap and attach the splined end of the mower drive shaft (8), Figure 14, to the tractor P.T.O. shaft and secure with the pin (9) and cotter pin. Be sure that the universal joints are properly aligned, and that both splines are free from burrs and dirt.

32. Turn the mower flywheel over by hand to make sure the knife is free before it is allowed to be driven by the tractor P.T.O.
33. Engage the tractor P.T.O. and place the transport rod (2), Figure 14, in the clips (1) as shown.

NOTE: Before going into the field always make certain to perform the "Final Check Before Field Operation" described on page 17 of this manual.

ASSEMBLY PROCEDURE Model 14-67

NOTE: It is the responsibility of the Ford Tractor and Implement Dealer to assemble this implement and instruct the owner in its operation, care and maintenance. The following instructions are provided in case of need.

1. Follow Steps 1 through 7, pages 3 and 4, of the Model 14-59 Assembly Procedure for the assembly of the basic mower.
2. Follow steps 8 through 15, pages 5 and 6 of the Model 14-59 Assembly Procedure for the assembly of the cutter bar to the mower.
3. Remove the tractor P.T.O. shaft cover.
4. Attach the P.T.O. adapter (9), Figure 18, to the P.T.O. shaft with the $\frac{5}{16}$ " x $2\frac{1}{4}$ " bolt and nut provided.
5. Remove the drawbar, check chain anchor brackets and chains from the tractor.
6. Attach the right and left anchor brackets (6), Figure 18, as follows:
 - a. Remove the right and left hand forward fender nuts and bolts, and remove the nuts from the rear fender bolts.
 - b. Use the two $\frac{5}{8}$ " x $8\frac{1}{2}$ " hex head bolts to replace the forward fender bolts.
 - c. Secure the anchor brackets to the bolts with the nuts provided.
7. Attach the right and left arm extensions (1), Figure 18. Be sure to install the two short spacers (3) and (4) between the lugs on the leveling crank box.
8. Move the pin (7), Figure 18, to the center hole in the tractor lower links and adjust the linkage to $27\frac{1}{4}$ " as shown.
9. Attach the right and left hand lower tractor links to the link pins.
10. Install the top link and the spacers provided, to the tractor, and secure with the head pin (5), Figure 18, and cotter pin provided.

ASSEMBLY

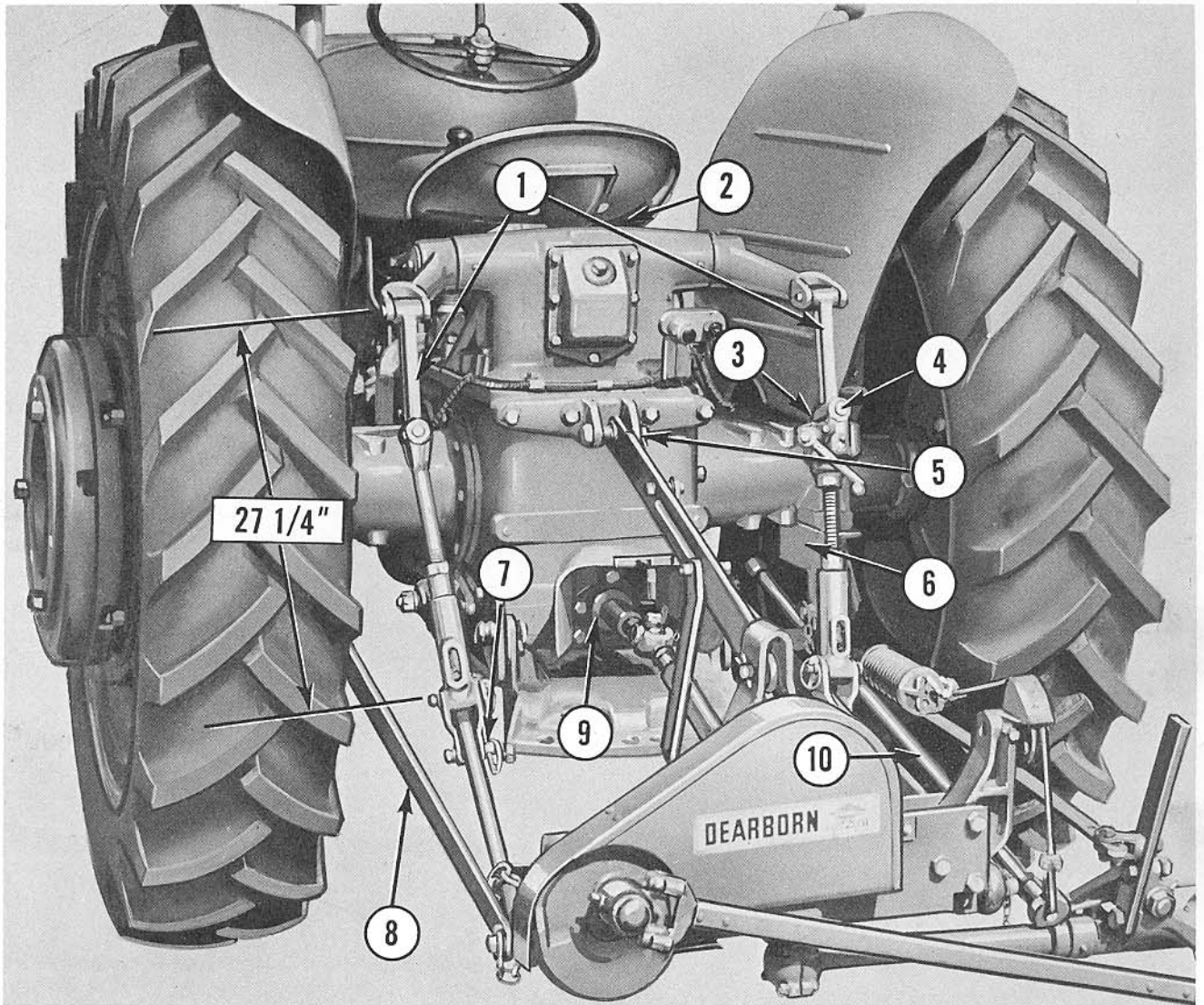


Figure 18
F.M.D. Mower Attached to Tractor

11. Attach the stabilizer link (8), Figure 18, and the pull bar (10) to the anchor brackets (6) as shown.
12. Follow steps 26 and 27, pages 9 and 10, for the completion of installation of the balance spring cable assembly, and the attachment of the knife head to the pitman arm.
13. The transport rod should be carried under the tractor seat as shown at (2), Figure 18.
14. Follow steps 29 and 30, page 10, before installing the drive shaft.
15. With the universal joints properly aligned, attach the splined end of the mower drive shaft to the P.T.O. shaft adapter as shown at (9), Figure 18, and secure with the pin and cotter pin provided.

INSTALLING THE KNIFE

The mower knife assembly will be installed and removed many times during the life of the mower. When this is done, it is important that the mower be lowered to operating position, the tractor P.T.O. lever disengaged, and the tractor engine turned off.

DETACHING AND ATTACHING

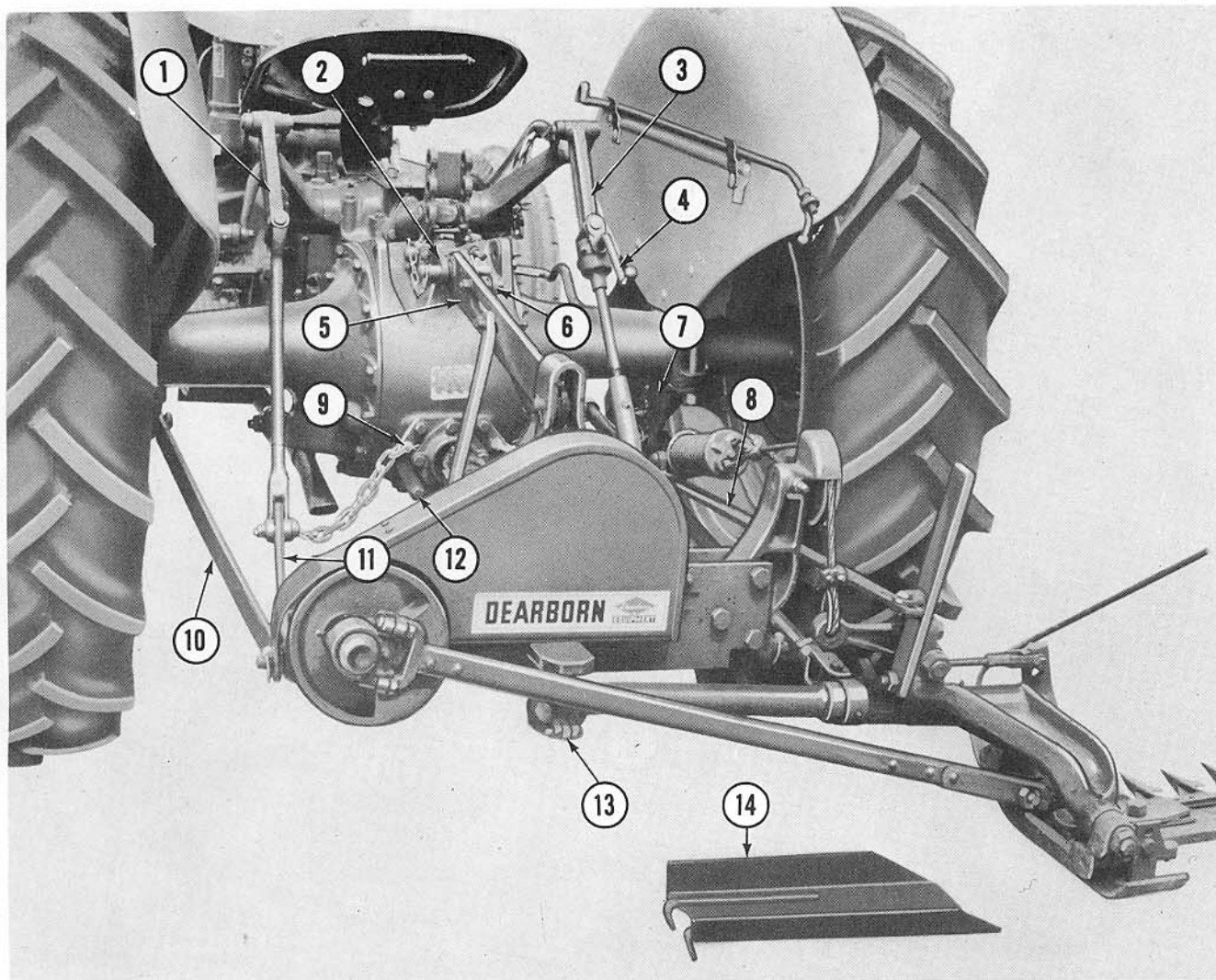


Figure 19
Mower Attached to Tractor

DETACHING MOWER FROM TRACTOR Model 14-59

1. Remove the mower drive shaft shield (14), Figure 19, from the tractor and tighten the two bolts (12) in the tractor center housing.
2. Start the tractor engine, raise the mower and lock the anchor straps to the upper link with the lock (6), Figure 19. Disengage the tractor P.T.O. lever and shut off the engine.
3. Detach the splined end of the drive shaft (8), Figure 14, from the tractor P.T.O. shaft. Replace the pin and cotter pin in the mower drive shaft and attach the P.T.O. cap to the tractor.
4. Place a 2" plank (see 17, Figure 20), under the LEFT side of the mower main frame as shown. Be sure the plank is far enough forward so it will not be under the drag bar socket cup (13), Figure 19.
5. Lower the mower as follows:
 - a. Disconnect the tractor check chains from the tractor by removing the pins and cotter pins (9), Figure 19.
 - b. Detach the mower upper link (5), Figure 19, from the upper link bracket (2) and replace the pin and linch pin in the bracket.
 - c. Hold the top link with the right hand and SLOWLY lower the mower main frame on the plank with the Hydraulic Touch Control Lever.
6. Relieve the tension on the balance spring by turning the leveling crank (4), Figure 19.
7. Remove the stabilizer bar (10), Figure 19, and detach the tractor left lower link (11) from the mower main frame. Detach the right lower link

DETACHING AND ATTACHING

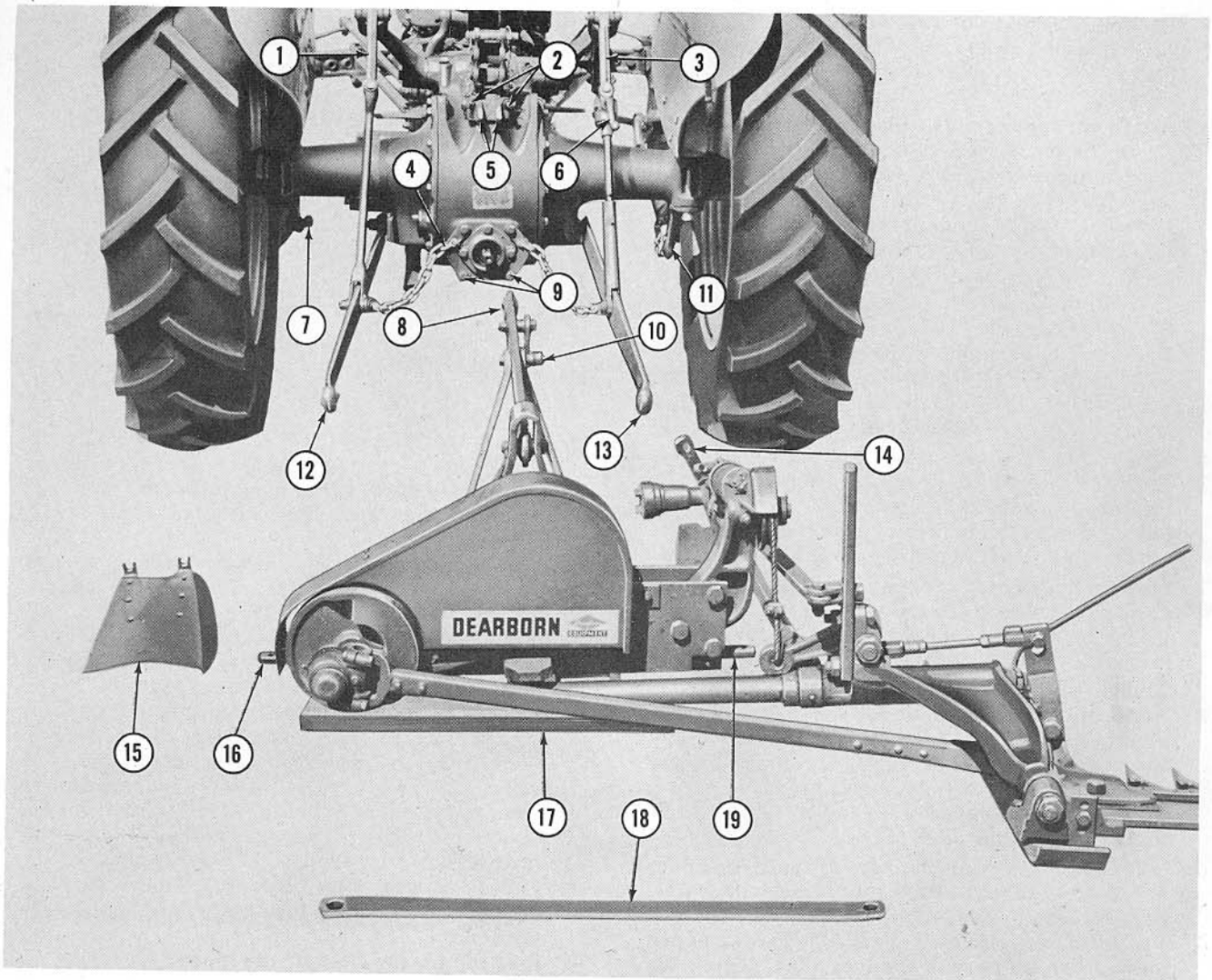


Figure 20
Mower on Plank for Attaching

- from the mower main frame and replace the linch pins in their holders.
8. Detach the mower pull bar (8), Figure 19, from the right hand anchor bracket (7) and replace the linch pin.
 9. Roll the tractor clear of the mower.
 10. Reattach the check chains to the anchors with the pins and cotter pins (9), Figure 19.

CAUTION: Be sure the check chains are not twisted when reattaching.

11. Remove the lift link extension arms (1) and (3), Figure 19, from the tractor and replace the knuckles provided between the lift arms and the leveling rods.

NOTE: It may be necessary to remove the left hand anchor bracket (7), Figure 20, the right hand anchor bracket (11) and the top link bracket (5) from the

tractor. However, these items are normally left on the tractor.

When storing the mower, see Maintenance Suggestion No. 6 on page 20 of this manual.

ATTACHING MOWER TO TRACTOR Model 14-59

From time to time, it may be necessary to remove the mower so that the tractor can be used for other work. The following instructions are for guidance in reattaching the mower to the tractor, providing the mower was removed according to the detaching instructions.

1. Attach the left hand anchor bracket (7), Figure 20, and the right hand anchor bracket (11) to the under side of the tractor rear axle housing with the fender bolts provided.

DETACHING AND ATTACHING

2. Remove the knuckles and attach the lift link extension arms (1) and (3), Figure 20, between the tractor lift arms and the tractor leveling rod as shown.
 3. Attach the mower upper link bracket (5), Figure 20, to the lug on the tractor center housing with the pin and cotter pin provided. Tighten the two set screws (2) against the rocker assembly and secure with the jam nuts provided.
 4. Disconnect the tractor check chains from the anchors by removing the pins and cotter pins (4), Figure 20.
 5. Place the assembled mower on a level surface in an accessible position to the tractor. Place a two inch plank (17), Figure 20, under the mower main frame. This will raise the drawbar pins (16) and (19) to facilitate attaching the lower links.
 6. Roll the tractor into position so the mower pull bar (14), Figure 20, is to the left of the tractor right rear wheel. Align the tractor right lower link (13) with the mower right drawbar pin (19), attach, and secure with the linch pin provided.
 7. Position the mower upper link (8), Figure 20, against the tractor center housing (above the P.T.O. cover) to avoid binding and pry the tractor left lower link (12) on the left mower drawbar pin (16), with the stabilizer bar (18).
 8. Attach the forward end of the stabilizer bar (18), Figure 20, to the left hand anchor bracket pin (7) and secure with the linch pin. Level the mower main frame with the tractor leveling crank. Attach the rear end of the stabilizer bar to the pin (16) and secure with the linch pin.
 9. Raise the mower with the Ford Tractor Hydraulic Touch Control and attach the mower upper link (8), Figure 20, to the bracket (5) with the pin and linch pin provided. Lock the mower upper link anchor straps with the lock (10), Figure 20, and shut off the tractor engine.
 10. Reattach the tractor check chains to the anchors with the pins and cotter pins (4), Figure 20, provided.
- CAUTION:** *Be sure the check chains are not twisted when reattaching.*
11. Remove the plank (17), Figure 20, from under the mower, disengage the P.T.O. lever, and remove the P.T.O. cap from the tractor.
 12. With the universal joints properly aligned, attach the splined end of the mower drive shaft (8), Figure 14, to the tractor P.T.O. shaft and secure with the pin (9) and cotter pin provided. Be sure both splines are free from burrs and dirt.
 13. Bolt the mower drive shaft guard (15), Figure 20, to the tractor with the two bolts (9). Engage the tractor P.T.O. lever and lower the mower to the ground.
 14. Adjust the balance spring with the tractor leveling crank as explained under Balance Spring Adjustment on page 20, of this manual.

NOTE: *Before going into the field, always make certain to perform the "Final Check Before Field Operation" described on page 17 of this manual.*

DETACHING MOWER FROM TRACTOR Model 14-67

1. Start the tractor engine, raise the mower and lock the anchor straps to the upper link with the lock (6), Figure 19. Disengage the tractor P.T.O. lever and shut off the engine.
2. Detach the splined end of the mower drive shaft from the tractor P.T.O. shaft adapter (9), Figure 18. Replace the pin and cotter pin in the mower drive shaft. Remove the P.T.O. shaft adapter from the tractor P.T.O. shaft and attach the P.T.O. cap to the tractor.
3. Place a two inch plank (17), Figure 20, under the LEFT side of the mower main frame as shown. Be sure the plank is far enough forward so it will not be under the drag bar socket cup (15), Figure 19.
4. Detach the mower upper link from the upper link bracket and replace the pin and linch pin in the bracket.
5. Hold the upper link in the right hand and SLOWLY lower the mower main frame on the plank with the Hydraulic Touch Control Lever.
6. Relieve the tension on the balance spring by turning the leveling crank (6), Figure 20.
7. Remove the stabilizer bar (8), Figure 18, and detach the tractor left lower link from the mower main frame. Detach the right lower link from the mower main frame and replace the linch pins in their holders.
8. Detach the mower pull bar (10), Figure 18, from the right hand anchor bracket (6) and replace the linch pin.
9. Roll the tractor clear of the mower.
10. Remove the lift link extension arms (1), Figure 18, and the spacers (4) from the tractor and replace the knuckles provided between the lift arms and the leveling rods.
11. Replace the drawbar, check chains, P.T.O. shaft cover and anchor brackets (6), Figure 18, on the tractor.

NOTE: *It may be necessary to remove the anchor brackets, however, these items are normally left on the tractor.*

When storing the mower, see Maintenance Suggestion No. 6 on page 20 of this manual.

ATTACHING MOWER TO TRACTOR Model 14-67

From time to time, it may be necessary to remove the mower so that the tractor can be used for other work. The following instructions are for guidance in reattaching the mower to the tractor, providing the mower was removed according to the detaching instructions for the Model 14-67 Mower.

OPERATION

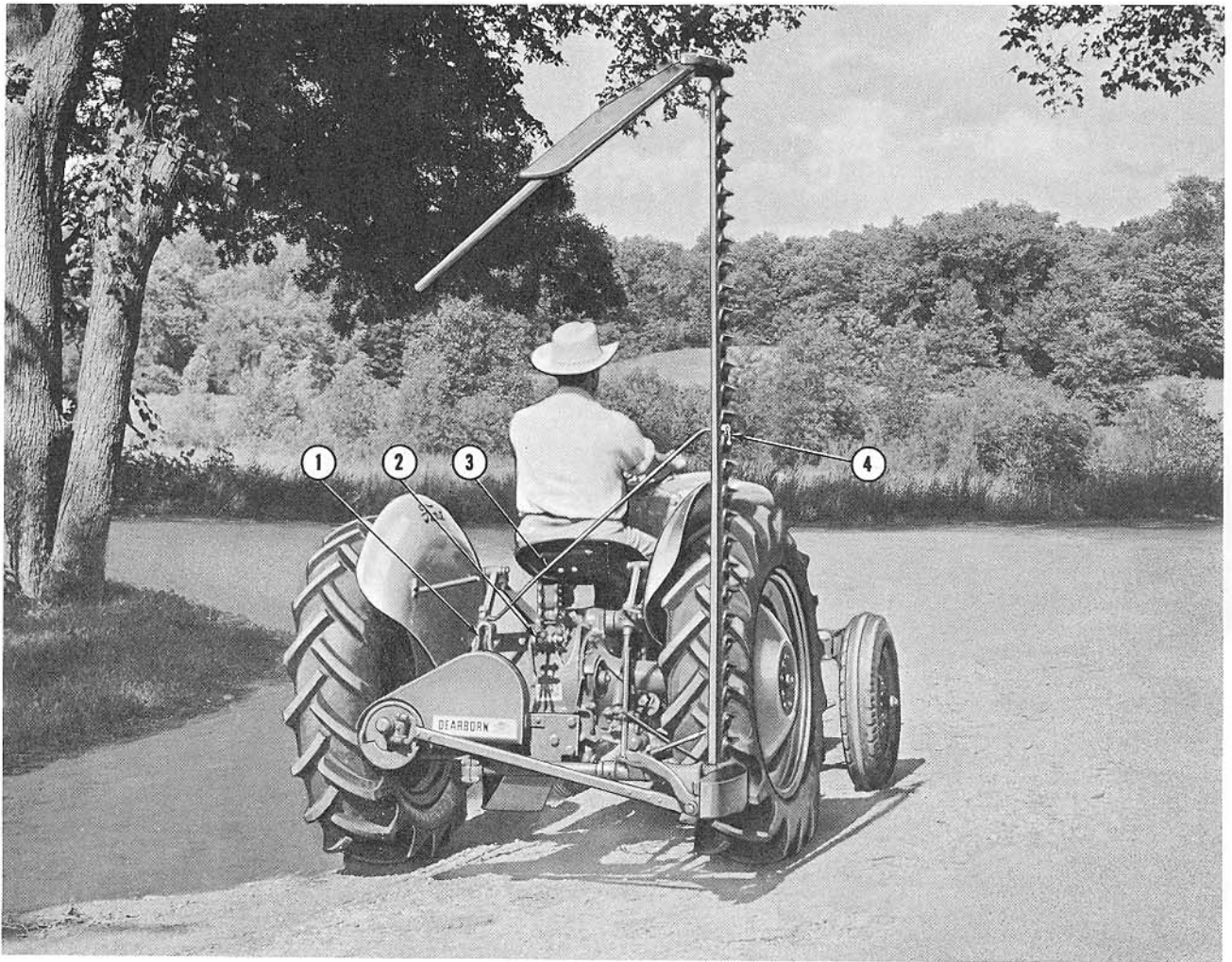


Figure 21

The Dearborn Rear Attached Mower in Transport

1. Remove the P.T.O. shaft cover and attach the P.T.O. shaft adapter (9), Figure 18, to the P.T.O. shaft.
2. Remove the drawbar, check chain anchor brackets and chains from the tractor.
3. Attach the right and left lift arm extensions (1), Figure 18. Be sure to install the two short spacers (4) provided.
4. Move the pin (7) to the center hole on the tractor lower links and adjust the linkage to 27 $\frac{1}{4}$ inches as shown.
5. Attach the tractor lower links to the mower link pins.
6. Install the top link and spacers provided and secure with the headed pin (5), Figure 18, and cotter pin provided.
7. Attach the pull bar (10), Figure 18, and the stabilizer bar (8) to the anchor brackets (6) as shown.
8. Attach the splined end of the mower drive shaft to the P.T.O. shaft adapter (9), Figure 18.

TRANSPORTING THE MOWER

To fix the mower in the transport position, raise the cutter bar with the Ford Tractor Hydraulic Touch Control Lever and lock the anchor straps to the top link with the lock (2), Figure 21. Disengage the power take-off and raise the cutter bar by hand to the vertical position shown.

CAUTION: Do not place your fingers between the guards. Grasp the rear edge of the cutter bar to raise or lower by hand.

With the hook end of the transport rod (3), Figure 21, hooked in the hole (1) on the mower A-frame, insert the threaded end of the rod through the hole in the cutter bar and secure by screwing the handle (4) on the transport rod against the cutter bar as shown in Figure 21.

OPERATION



Figure 22
The Dearborn Rear Attached Mower at Work

OPERATION Model 14-59

The Model 14-59, Dearborn Rear Attached Mower, is easy to operate. With a little practice and by applying the information in this manual, the operator will be able to make the implement perform with desired efficiency.

Proper lubrication is a very important part of mower operation. Follow the instructions concerning lubrication as given on page 17. Before taking the mower into the field, it is recommended that it be given the over-all check indicated on page 17.

The Dearborn Rear Attached Mower is designed to operate at a maximum P.T.O. speed of 655 R.P.M. working under load in the field. Once the throttle is set to give this R.P.M., the tractor ground speed should be adjusted to suit field conditions with the tractor gear shift lever. When very heavy cutting is

encountered, it may be necessary to operate the mower in first gear; however, the use of second or third gear will cover operation in most all instances.

NOTE: For best results, do not operate the mower above third gear with a P.T.O. speed of 655 R.P.M.

The cutter bar is raised easily and quickly with the Tractor Hydraulic system to facilitate backing into corners and up to fence rows, as well as for clearing small obstructions and irrigation checks. Keep both rear tractor tires inflated to 12 pounds pressure. The hydraulic mechanism of the tractor should be operated in Implement Position Control when this mower is attached.

CAUTION: Do not attempt to attach the mower without using the lift arm extensions (4) and (6), Figure 12.

To obtain the longest service and the most efficient operation, adhere closely to the information on lubrication and adjustment.

OPERATION

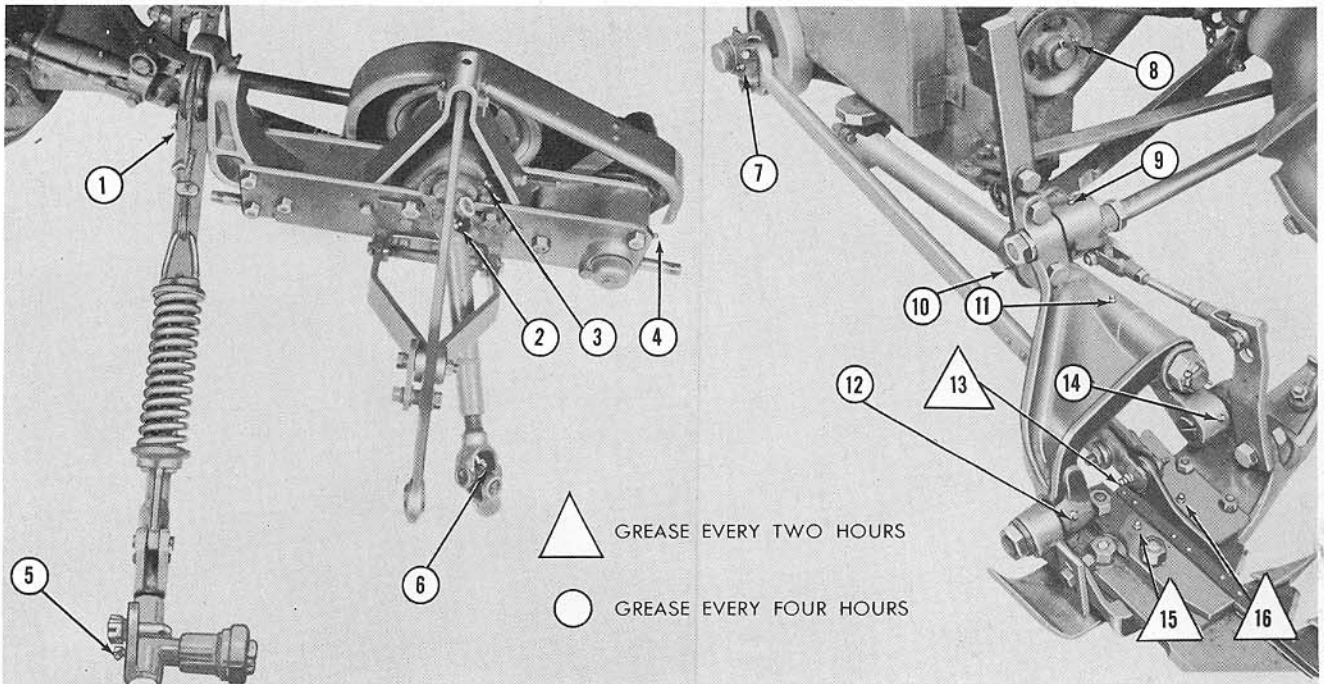


Figure 23
Lubrication Fittings on the Rear Attached Mower

OPERATION Model 14-67

The Model 14-67, Dearborn F.M.D. Rear Attached Mower, is operated in the same manner as the Model 14-59 Mower, with the following exceptions. The Fordson Major Diesel Tractor should be operated in third or fourth gear in most instances. With the tires inflated to fifteen pounds pressure, the mower will maintain the maximum clearance in transport position.

The hydraulic mechanism of the F.M.D. Tractor should be operated with the hydraulic lever in the "lowering" position."

LUBRICATION

There are sixteen grease fittings on the Dearborn Rear Attached Mower as shown in Figure 23. The knife head and pitman clamp fitting (13) and the knife head guide plate fittings (15) and (16), Figure 23, should be greased after every two hours of operation. All other fittings should be greased after every four hours of operation. Lubricate the wearing surface of the knife clips every two hours with No. 30 grade machine oil.

CAUTION: Do not oil the hold down clips where the soil is excessively abrasive.

NOTE: The bearing and journal assembly, with fittings

(2) and (6), Figure 23, are prepacked on some mowers.

FINAL CHECK BEFORE FIELD OPERATION

After the mower is properly lubricated and assembled on the tractor with which it is to be used . . .

1. Set the tractor P.T.O. speed at 655 R.P.M. with a speed counter and mark the throttle position with a metal punch.
2. Operate the tractor in Implement Position Control and keep both rear tractor tires inflated to 12 pounds pressure (15 pounds pressure for F.M.D. Tractor).
3. The cutter bar lead should be $\frac{1}{2}$ " per foot of cutter bar. Check and adjust if necessary (see Lead Adjustment on page 20).
4. Check and adjust the knife for register and shear (see Register, Knife Clip and Knife Guard Adjustments on page 18).
5. The distance between the lift link yoke pins should be between $10\frac{1}{4}$ " and $10\frac{1}{2}$ ", and the cable adjusted as directed under the Balance Spring Adjustment on page 20.
6. Adjust the ground speed to suit field conditions with the tractor gear shift lever, not the throttle.

OPERATION

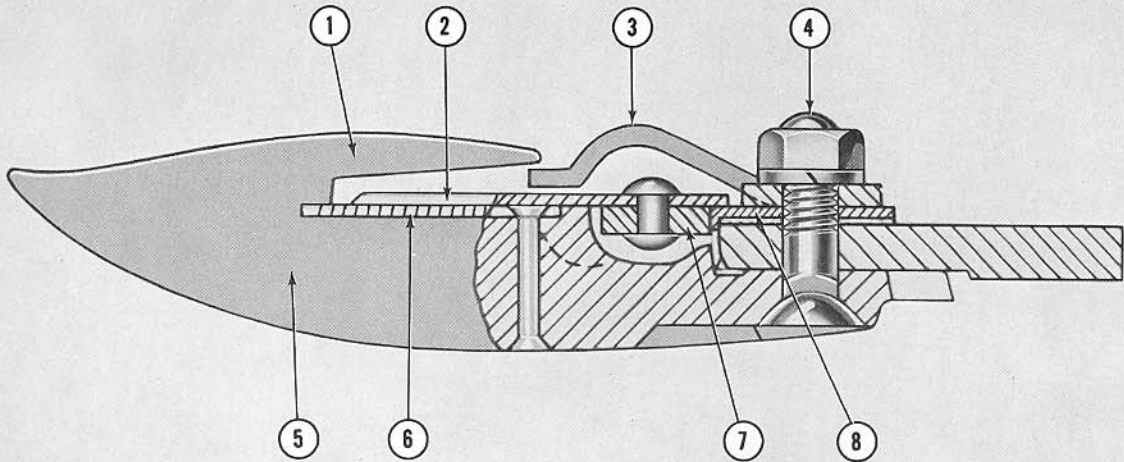


Figure 24
Cross Section of Cutter Bar

ADJUSTMENTS

Knife Guards: Align the guards (5), Figure 24, by striking the forward end up or down with a hammer until the ledger plates (6) are flush with the knife sections (2). The knife guard lip (1) should be above the knife clip (3) and kept straight as shown in Figure 24.

NOTE: *Align the guards before attempting to adjust the knife clips.*

Knife Clips: The knife clips (3), Figure 24, should hold the knife sections down on the ledger plates (6) without binding the knife sections. Adjust by removing the knife and striking the forward end of the clip up or down.

Register Adjustment: Proper knife register is an important factor in efficient mower operation. When properly adjusted, the knife stroke should be equalized between the knife guards as shown in diagram A, Figure 25, when the pitman arm is at either end of its stroke. If the knife sections are out of register, see diagram B, Figure 25, adjust as follows. Remove the

cotter pin and loosen the nut (4), Figure 16, add or remove shims (6) to the drag bar (5) and tighten the nut (4). Secure the nut with the cotter pin provided.

Guide Plates: To avoid excessive slap or vertical play in the knife, remove the nuts (1) and (10), Figure 17, from the guide plates (7) and (9). Remove the shims from under each guide plate until the knife has approximately $\frac{1}{32}$ " vertical freedom. When replacing the rear guide plate (7), position the plate so that the knife head has approximately $\frac{1}{16}$ " to $\frac{1}{32}$ " side play. This guide and the two inner wear plates under the knife clips must be in line.

Tilt Lever: The tilt lever is used to adjust the tilt of the cutter bar for various mowing conditions. For example, when mowing in stony fields, the points of the guards may be raised by moving the tilt lever (1), Figure 5, to the rear position on the tilt link (9). Secure the tilt link to the yoke (4) on the tilt lever with the bolt, lockwasher and nut provided. When it is desirable to have the points close to the ground, the tilt lever is moved to the forward position. Under normal operating conditions, the tilt lever should be adjusted so that the guards run level.

OPERATION

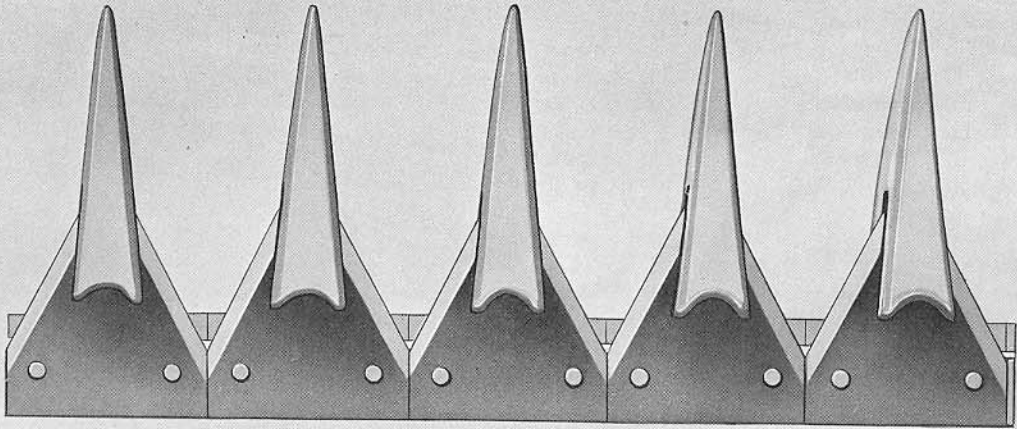


DIAGRAM A

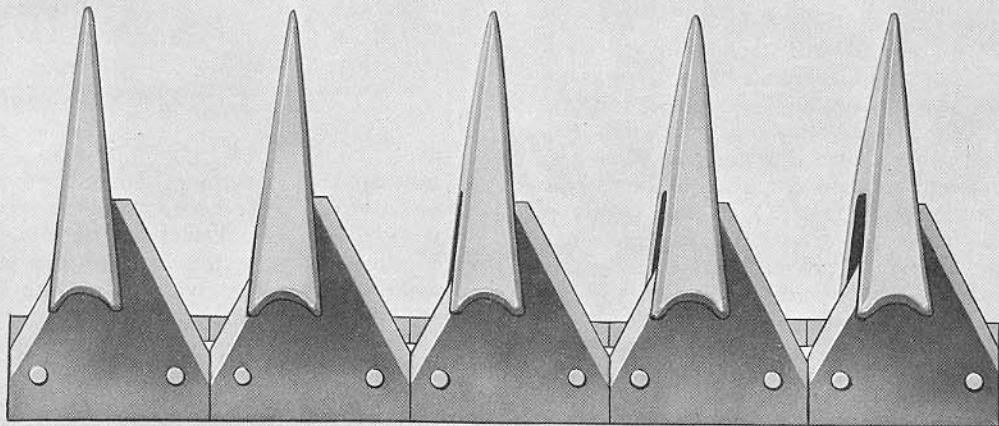


DIAGRAM B

Figure 25
Knife Register

Height of Cut: The height of cut is controlled by the position of the inner and outer shoes. Adjust the inner and outer shoe by raising or lowering as desired. For uniform cutting, adjust both shoes alike.

To adjust the outer shoe (5), Figure 9, remove the bolt (7), raise or lower the shoe to the desired position on the shoe sole (6) and secure with the lock-washer and nut.

To adjust the inner shoe, remove the bolt (2), Figure 6. Raise or lower the shoe to the desired position on the shoe sole rack and secure with the lock-washer and nut.

For best results, be sure the cutter bar is set to a uniform height at both the inner and outer shoes.

Wrist Pin: Excessive vibration and side play due to a worn pitman arm wrist pin should be corrected by installing a new wrist pin and wrist pin bushing.

Pitman Box Bearing: End play in the pitman box will produce hammering and excessive vibration in the operation of the cutter bar. To adjust, remove the bearing cap (7), Figure 7, tighten the castellated nut on the pitman pin, back off ($\frac{1}{6}$ turn), and secure with the cotter pin. Replace the bearing cap.

Belt Tension: To adjust the tension on the V-belt (2), Figure 4, turn the adjusting bolt (1), Figure 3, until there is approximately $\frac{1}{4}$ " free play in the belt, midway between the drive and the driven pulley. Secure the adjusting bolt with the locknut provided.

OPERATION

Cutter Bar Lead: The recommended lead for average cutting is $\frac{1}{2}$ inch per foot of cutter bar. To increase the lead in the cutter bar, disconnect the yoke end of the pull bar (6), Figure 17, from the drag bar. Loosen the locknut (5) and thread the yoke (4) further on the pull bar. Reattach the pull bar yoke (4) to the drag bar and tighten the locknut (5) securely against the yoke.

Lift Link: To obtain the proper cutter bar ground pressure, turn the yoke (2), Figure 8, on the lift link (1) until the distance between the lift link yoke holes is between $10\frac{1}{4}$ " and $10\frac{1}{2}$ ". This setting should be maintained and the ground pressure adjustment made with the balance spring and cable setting.

Balance Spring: To properly adjust the cutter bar ground pressure, assuming that the mower frame is parallel with the ground, lower the right side of the mower main frame one inch with the tractor leveling crank. Turn the adjusting bolt (7), Figure 15, out of the balance spring (6) until it is flush with the spring cap (2). Re-attach the adjusting bolt (7) to the pull bar bracket with the pin (8) and cotter pin provided. Loosen the cable clamp (2), Figure 16, on the cable (1) and pull on the loose end of the cable until all slack is removed. Tighten the cable clamp (2) securely, as close to the thimble as possible. Raise the right side of the mower main frame with the tractor leveling crank until the U-bolt (1), Figure 15, starts to pull out from the spring cap (2). The cutter bar should be kept "floating" and still maintain contact with the ground. As the mower is broken in, the spring adjustment may be maintained with the leveling crank until the mower drawbar is one inch above horizontal. At this time, lower the drawbar with the leveling crank, disconnect the balance spring adjusting bolt (7), Figure 15, from the pull bar bracket and turn it into the spring about $\frac{1}{2}$ ". Reattach the adjusting bolt to the pull bar and adjust the balance spring with the leveling crank as described above.

Safety Release: The automatic safety release is a feature that helps prevent damage to the mower and tractor which might be caused by the cutter bar striking an obstruction. When properly adjusted, it permits the cutter bar to swing to the rear. To check the break back spring, lower the cutter bar to cutting position and give the outer end a quick, hard pull rearward. If the pull bar does not release, loosen the break back adjusting cap (3), Figure 15, until a quick, hard pull does release it. If it releases too easily, tighten the adjusting cap.

CAUTION: Do not adjust the automatic safety spring release too tight. The pull bar must be able to release in order to provide operation. When an obstruction is hit, back the tractor, without raising the cutter bar, until the pull bar automatically re-engages the break back pin. Raise the cutter bar to clear the obstruction and resume moving.

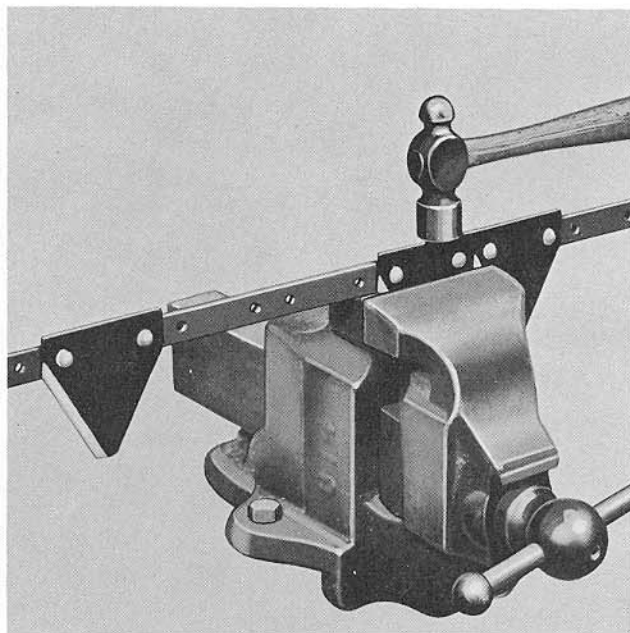


Figure 26
Removing Knife Sections

Removing Knife Sections: To remove the knife sections from the knife back, place the section in a vise with the knife back resting on the vise jaw as shown in Figure 26. Strike the back of the section with a hammer to shear the rivets. Drive the sheared rivets out of the knife back with a metal punch.

Sharpening the Knife: The knife sections should be sharpened carefully to maintain the original angle and bevel. Figure 27 shows properly and improperly ground sections. Replace the knife sections that are broken, badly worn, or irregular. Check the knife for loose rivets and replace when necessary.

MAINTENANCE SUGGESTIONS

1. Make a periodic check of the mower for worn parts, improper adjustments and nuts or bolts that may have worked loose.
2. Replace all worn or broken parts promptly. Your Ford Tractor and Implement Dealer stocks genuine Ford Tractor and Dearborn Equipment repair parts. These parts are manufactured and inspected to provide high quality and accurate fit. Insist on genuine Ford Tractor and Dearborn Equipment repair parts.
3. Keep the knife in register and properly sharpened.
4. Lubricate the mower as directed in this manual. See page 17.
5. Store the mower in a clean, dry place.

OPERATION

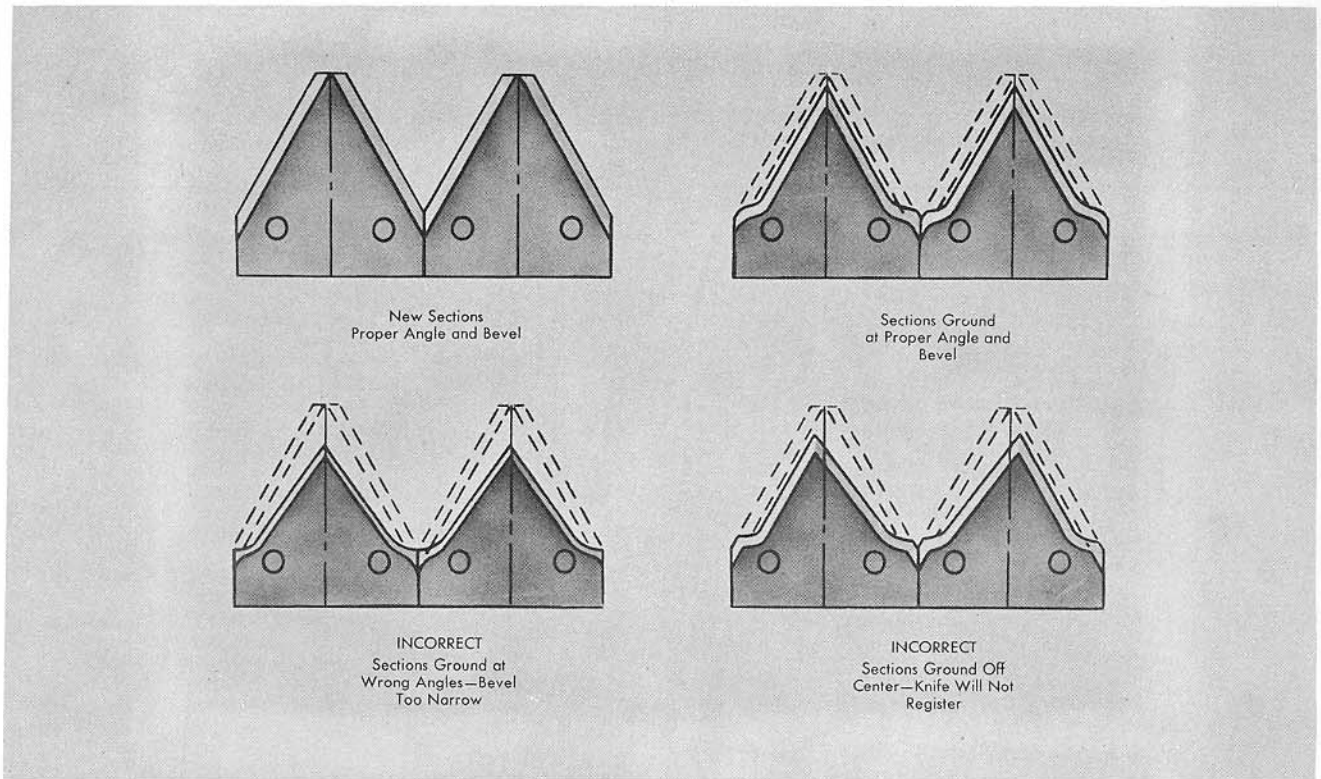


Figure 27
Knife Sections Properly and Improperly Ground

6. When storing the mower, loosen the tension on the drive belt, remove the knife and cover it with a good rust preventive. Place the mower in a safe location to avoid possible injury to persons and animals. Thoroughly clean the entire mower, replace worn or broken parts, lubricate the grease fittings and cover the unprotected parts with rust preventive.

SAFETY PRECAUTIONS

Most accidents that occur on the farm are the result of negligence and carelessness and are usually caused by the failure to follow simple safety rules or precautions. The following safety precautions are suggested to help prevent such accidents.

1. Do not attempt to attach the mower without using the tractor leveling rod extensions (4) and (6), Figure 12.
2. Be sure the tractor engine is turned off and the power take-off is disengaged when adjusting or lubricating the mower.
3. Never attempt to clean, adjust or lubricate the mower while it is in motion.
4. Do not place your fingers between the guards when raising the cutter bar to transport position.
5. Shut off the tractor engine, disengage the power take-off, and grasp the REAR edge of the cutter bar to raise or lower.
5. Do not adjust the automatic safety release too tight. The pull bar must be able to release to provide safe operation.
6. Remove the knife from the cutter bar when storing the mower.
7. When leaving the tractor, always lower the implement to the ground and turn off the tractor engine.
8. Keep all nuts, bolts, screws and connections tight.
9. Do not permit any person to ride on the tractor with the operator.
10. In transporting the mower, be certain the transport rod is securely attached to the cutter bar.
11. When moving the mower short distances, raise the cutter bar with the Hydraulic Touch Control Lever, lock the anchor straps to the mower top link with the transport lock (2), Figure 21, and disengage the tractor P.T.O.
12. Keep the tractor keys where they are not available to children.

SERVICE PARTS

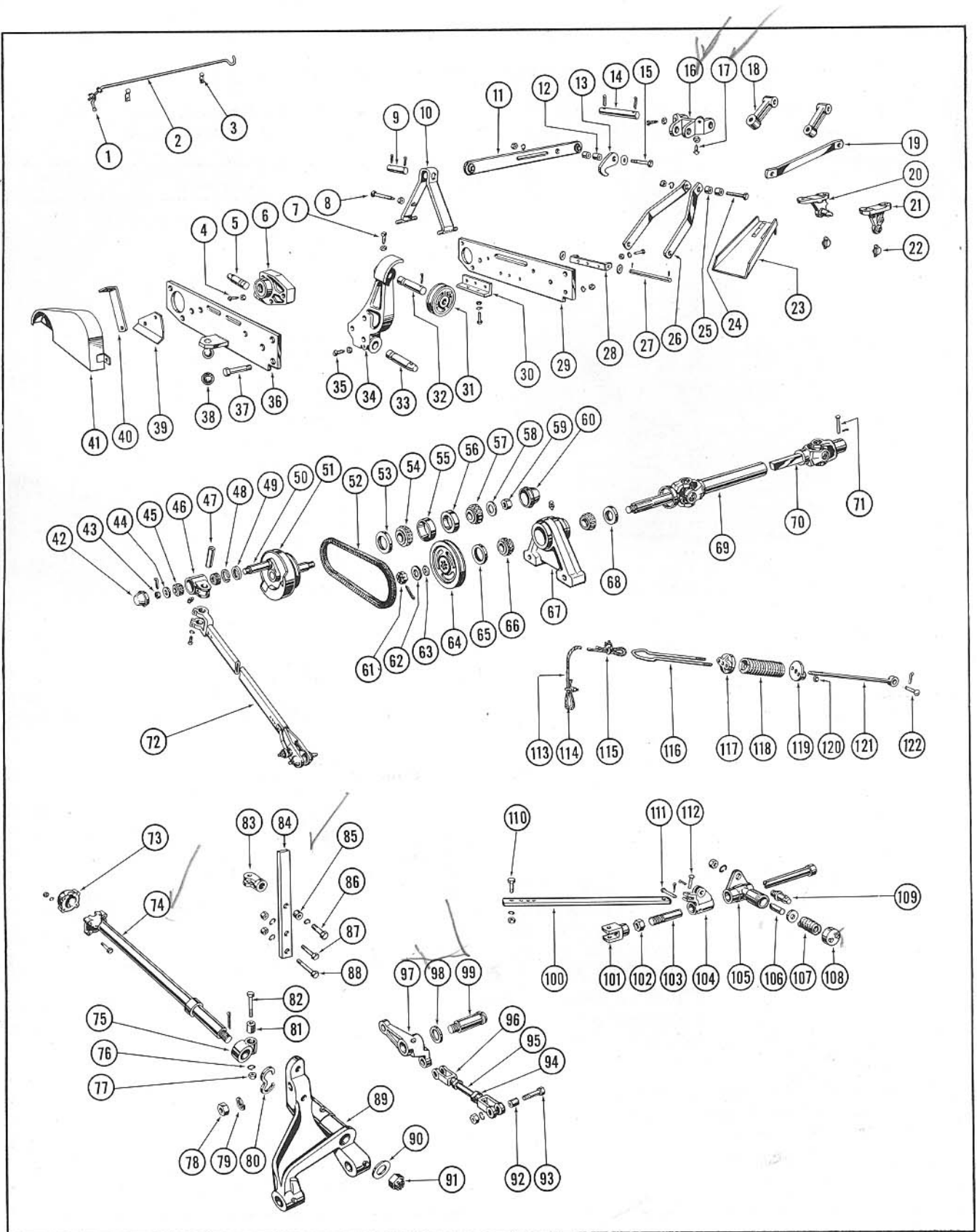


Figure 28

SERVICE PARTS

MODEL 14-59 SERVICE PARTS LIST—FIGURE 28

The following parts list, while not complete, identifies the parts most frequently used.
For more complete parts information, consult your Ford Tractor and Implement Dealer.

KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D	KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D
1	141653	HANDLE—Transport Rod	1	60	142619	CAP—Housing	1
2	142693	ROD—Transport	1	61		NUT—Slotted—Hex 5/8"-18	1
3	147064	CLIP—Transport Rod	2	62	141235	WASHER—Flat	1
4		SET SCREW—Special	1	63	142685	GASKET—Cork	1
5	142601	PIN—Long—Drawbar	1	64	142684	DRIVE SHEAVE	1
6	142770	FLYWHEEL BEARING HOUSING & CUP ASSY.	1	65	141230	SEAL—Oil—Drive Sheave	1
7		SET SCREW—Special	1	66	141229	CONE—Bearing—Drive Sheave	2
8	142610	SCREW SPECIAL—Belt Adjusting	1	67	142771	HOUSING AND BEARING CUP ASSY.	1
9	142710	PIN—Upper Link—Short	1	68	141230	SEAL—Oil—Drive Sheave	1
10	143600	ARM ASSEMBLY	1	69	142680	DRIVE SHAFT—Sub Assy.	1
11	147061	UPPER LINK ASSY.	1	70	142681	DRIVE SHAFT—Sub Assy.	1
12	142709	SPACER—Upper Link	1	71		PIN—Clevis—Drive Shaft to PTO	1
13	142708	HOOK—Upper Link	1	72	142623	PITMAN ASSY.	1
14	142711	PIN—Upper Link—Long	1	73	142699	CUP—Outer—Drag Bar	1
15		BOLT—Hex 1/2"-20 x 2 1/4"	1	74	142654	DRAG BAR ASSY.	1
16	141244	BRACKET—Upper Link	1	75	142658	PULL BAR EYE ASSEMBLY	1
17		SET SCREW—3/8"-16-1 1/2"	2	76		LOCKWASHER, 1/2"	1
18	142712	BRACKET EXTENSION	2	77		NUT—Hex—1/2"-20	1
19	230042	LINK STABILIZER	1	78		NUT—Hex 1"-14	1
20	141561	ANCHOR BRACKET ASSY.—L.H.	1	79		LOCKWASHER 1"	1
21	141186	ANCHOR BRACKET & BALL ASSY., R.H.	1	80	142667	WASHER—Drag Bar Adjusting	2
22	2N574	LINCH PIN (RING 2N575)	2	81	142677	SPACER—Yoke to Pull Bar Eye	1
23	142696	SHIELD—Universal Joint	1	82		BOLT—Hex—Special—1/2"-20 x 2 11/16"	1
24		BOLT—Hex—1/2"-20 x 2 3/4"	1	83	141659	YOKE—Tilt Lever	1
25	142666	BUSHING	2	84	142691	LEVER—Tilt	1
26	142622	STRAP ANCHOR	2	85	141660	SPACER—Tilt Lever Yoke	1
27	142585	SHAFT	1	86		BOLT—Hex—5/8"-11 x 1 3/8"	1
28	142584	U-BRACKET	1	87		BOLT—Hex—5/8" x 18 x 2 1/2"	1
29	142583	SIDE RAIL—Front	1	88		BOLT—Hex—5/8"-18 x 3 1/2"	1
30	142592	BRACKET—Angle	1	89	141149	HINGE ASSY.	1
31	142611	CABLE SHEAVE ASSY.	1	90	141426	WASHER	1
32	142606	PIN—Cable Sheave	1	91		NUT—Jam 1 1/8"-12	1
33	142605	PIN—Drawbar—Short	1	92	142666	BUSHING—Lift Link	3
34	142604	BRACKET	1	93		BOLT—1/2"-20 x 1 3/8"	2
35		SET SCREW—Special	1	94		NUT—Hex 1/2"-20	2
36	142587	REAR SIDE RAIL & PLATE ASSY.	1	95	141408	LINK LIFT	1
37		BOLT—5/8"-18 x 4" Hex Head	5	96	141409	YOKE—Lift Link	2
38	142620	CUP—Rubber (Drag Bar Ball)	1	97	142662	LIFT LEVER ASSY. (HINGE)	1
39	142608	GUARD—Grass	1	98	141199	WASHER—Flat 1 3/8"	1
40	142725	BRACKET—Guard—Long	1	99	141178	SHAFT—Assy.—Lift Link	1
	143544	BOLT—5/8"-18-4 1/4" Hex Head Bolt (Bracket to Grass Guard)	1	100	142692	LINK—Tilt	1
41	142716	BELT GUARD ASSY. (Welded)	1	101	142775	YOKE ASSY.—Pull Bar	1
42	142618	CAP—Pitman	1	102		NUT—Jam 1 1/8"-12	1
43		NUT—Slotted Hex 5/8"-18	1	103	142675	PULL BAR ASSY.	1
44		WASHER—Flat .65 x 1.25 x .15	1	104	141612	BRACKET—Pull Bar	1
45	8M1216	CONE—Bearing	2	105	141240	BREAK BACK HOUSING ASSY.	1
46	142744	PITMAN BOX & BUSHING ASSY. NOTE: Bearing Cups No. 8M1217 (not shown)	1 2	106	141183	PLUNGER—Break Back	1
47	142630	PIN—Pitman—Wrist	1	107	141182	SPRING—Break Back	1
48	141323	LOCK RING—Pitman Box	1	108	141184	CAP—Adjustable Break Back	1
49	141322	SEAL—Oil	1	109	141185	PIN—Shoulder	1
50	141315	PIN—Pitman	1	110		BOLT—Hex Hd.—1/2"-20 x 1 1/2"	1
51	142720	FLYWHEEL & PITMAN ASSY.	1	111		PIN—Clevis—Pull Bar Bracket	1
52	142689	V-BELT (Drive)	1	112	141427	PIN—Clevis—Tilt Link	1
53	9N750	SEAL—Oil	1	113	142727	CABLE—5/16" Dia. x 38	1
54	141305	CONE	1	114	140214	THIMBLE—Cable	2
55	7W4616	CUP—Bearing (Large)	1	115	140116	CLAMP—Cable	2
56	B1202	CUP—Bearing (Small)	1	116	141627	U-BOLT 3/8"-16	1
57	141326	CONE	1	117	141629	CAP—Threaded	1
58	141327	WASHER—Flat	1	118	142773	SPRING	1
59		NUT—Slotted Hex 5/8"-18	1	119	141628	CAP—Plain	1
				120		NUT—Hex—3/8"-16	2
				121	141631	ROD—End	1
				122	141619	PIN—Clevis	1

SERVICE PARTS

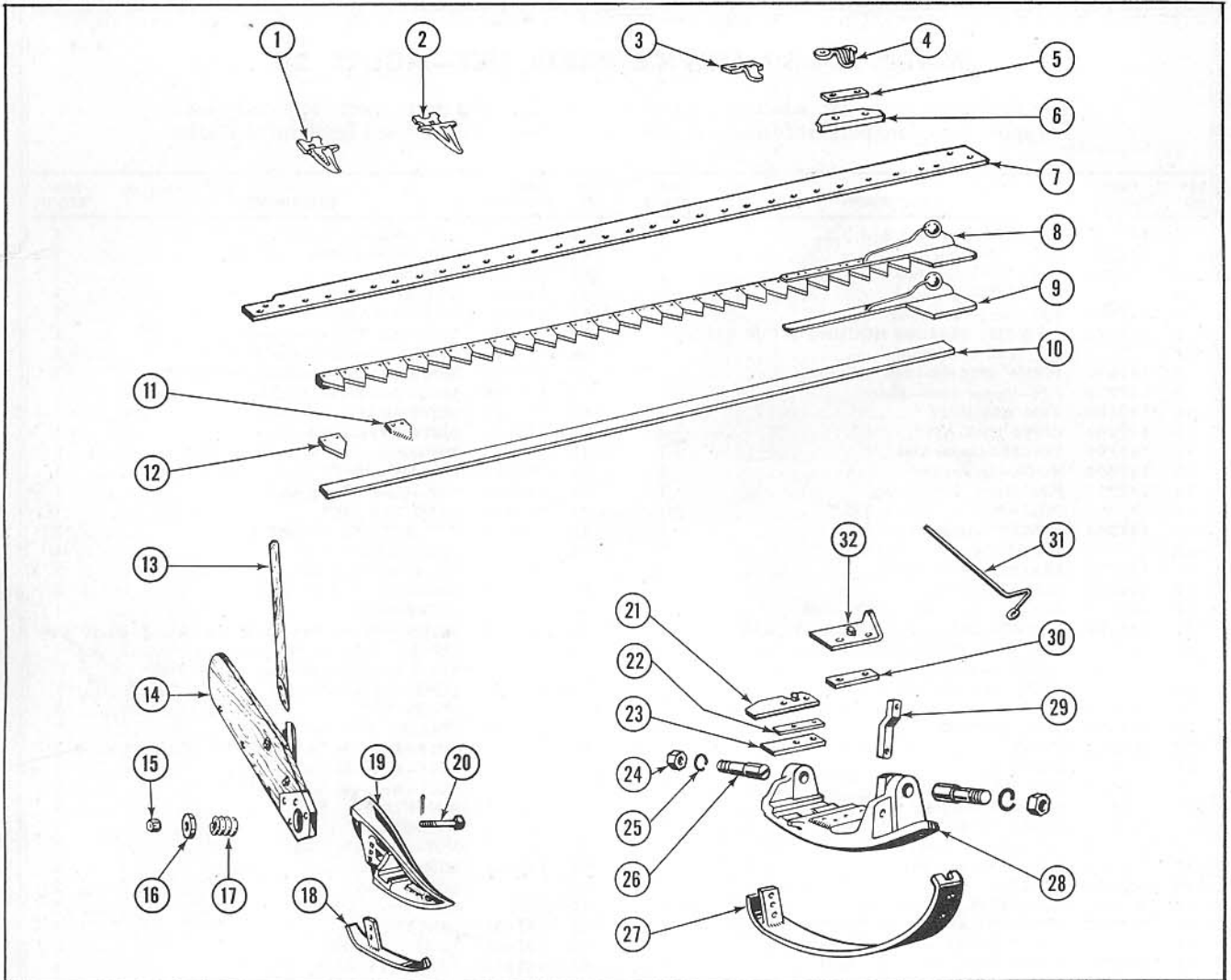


Figure 29

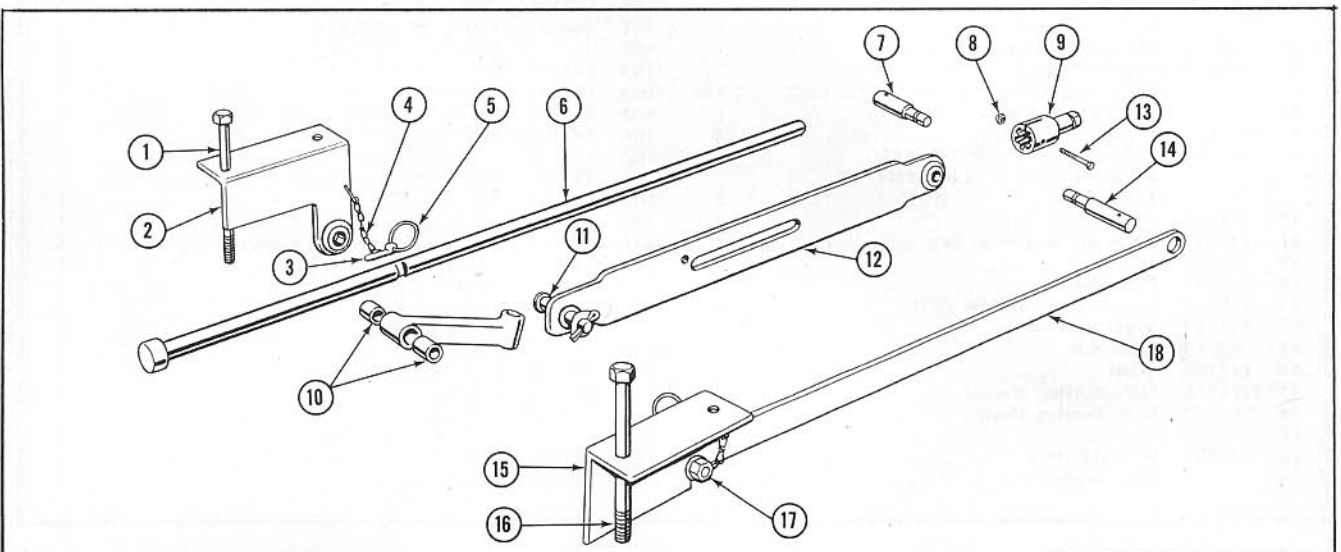


Figure 30

SERVICE PARTS

MODEL 14-59 SERVICE PARTS LIST—FIGURE 29

The following parts lists, while not complete, identifies the parts most frequently used.
For more complete parts information, consult your Ford Tractor and Implement Dealer.

KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D	KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D
1	140472	GUARD ASSY.—Modified—Plain	1	16	141327	WASHER—Flat— $\frac{21}{32}$ "	1
2	140470	GUARD ASSY.—Plain	22	17	140443	SPRING	1
3	142726	CLIP—Knife—Plain	5	18	141022	OUTER SHOE SOLE ASSY.	1
4	141008	CLIP—Knife—Inner	1	19	143570	OUTER SHOE ASSY.	1
5	141015	SHIM—.050"	6	20		BOLT—Sq. Hd. $\frac{1}{2}$ "-13 x $2\frac{3}{4}$ "	1
6	141021	PLATE—Wear	6	21	142640	REAR KNIFE GUIDE ASSY.	1
7	140474	CUTTER BAR 6'	1	22	141038	SHIM—Knife Guide Rear	4
7	140475	CUTTER BAR 7'	1	23	142642	PLATE—Wear—Inner Shoe	1
8	142668	KNIFE ASSY.—6'—Underserrated Sections	1	24		NUT—Hex—1"-14	2
8	142669	KNIFE ASSY.—7'—Underserrated Sections	1	25		LOCKWASHER 1"	2
9	142670	KNIFE HEAD ASSY.—Welded	1	26	141158	PIN—Hinge	2
10	141111	BACK—Knife—6'	1	27	141675	INNER SHOE SOLE ASSY.	1
10	141112	BACK—Knife—7'	1	28	141156	INNER SHOE ASSY.	1
11	141113	KNIFE SECTION—Underserrated	24	29	142639	LEVER—Inner Shoe—Lift	1
12	141682	KNIFE SECTION—Plain	24	30	141031	SHIM—Front Knife Guide	as req'd
13	142651	GRASS STICK	1				
14	142644	SWATHBOARD & FITTING ASSY.	1	31	141655	ROD—Grass	1
15		NUT—Slotted Hex— $\frac{1}{2}$ "-13	1	32	141029	FRONT KNIFE GUIDE ASSY.	1

MODEL 14-67—SERVICE PARTS LIST—FIGURE 30

Model 14-67 is sold less Cutter Bar and is the same as Model 14-59, except for the items listed below:

KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D	KEY NO.	PART NUMBER	DESCRIPTION	NO. REQ'D
1		BOLT, $\frac{5}{8}$ "-11 x $8\frac{1}{2}$ " Hex	1			SPACER, .810" ID x 1" OD x $\frac{7}{8}$ " Tube	2
		LOCKWASHER, $\frac{5}{8}$ "				WASHER, $\frac{3}{4}$ " Flat	1
		NUT, $\frac{5}{8}$ "-11 Hex				COTTER PIN, $\frac{1}{4}$ " x $1\frac{1}{2}$ "	1
2	145954	BRACKET ASSEMBLY ANCHOR, R.H.	1	12	145737	LINK, Upper (Welded Assembly)	1
3	2N-574	PIN, Linch	1	13		BOLT, $\frac{5}{16}$ "-24 x $2\frac{1}{4}$ " Hex Hd.	1
4	143310	CHAIN, Assembly	1	14	145743	PIN, Drawbar, Long, Left	1
5	2N-575	RING, Linch Pin	1	15	145955	BRACKET ASSEMBLY, Anchor, L.H.	1
6	145746	BAR, Pull (Welded Assembly)	1	16		BOLT, $\frac{5}{8}$ "-11 x $8\frac{1}{2}$ " Hex	1
7	145744	PIN, Drawbar, Short, Right	1			LOCKWASHER, $\frac{5}{8}$ "	
8		NUT, $\frac{5}{8}$ "-24 Hex Hd.	1			NUT, $\frac{5}{8}$ "-11 Hex	
9	145747	ADAPTER ASSEMBLY, P.T.O.	1	17	230044	PIN, Anchor	1
10	146273	SPACER, .834" ID x 1" OD x $1\frac{1}{32}$ " Tube	2			LOCKWASHER, $\frac{5}{8}$ "	
11	303943	PIN, $\frac{3}{4}$ " x $\frac{3}{4}$ " Button Hd. Rivet	1			NUT, $\frac{5}{8}$ "-18 Hex	
				18	145742	LINK, Stabilizer, Left	1

Here are some of the implements in the Dearborn Equipment Line:

DISC PLOWS

DISC TILLERS

FIELD CULTIVATORS

MIDDLEBUSTERS

MOLDBOARD PLOWS

ONE-WAY PLOWS

SUBSOILERS

BUSH & BOG HARROWS

FOLD-OVER HARROWS

SPRING TOOTH HARROWS

TANDEM DISC HARROWS

CORN PLANTERS

CORN & COTTON PLANTERS

GRAIN DRILLS

ROTARY HOES

ROW CROP CULTIVATORS

SIDE DRESSERS

HAY BALERS

COMBINES

CORN HARVESTERS

CORN PICKERS

COTTON HARVESTERS

FORAGE HARVESTERS

MOWERS

SIDE DELIVERY RAKES

BLADES

CRANES

FRONT & REAR LOADERS

SCOOPS

LIME & FERTILIZER SPREADERS

MANURE SPREADERS

WAGONS

CORDWOOD SAWS

DRIVER & BREAKERS

POST HOLE DIGGERS

ROTARY CUTTERS

For Further Information . . .

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EQUIPMENT WARRANTY

FORD MOTOR COMPANY warrants all parts (other than pneumatic tires, inner tubes and batteries) of equipment bearing the trade-mark "Dearborn" to the original purchaser from Company, for a period of six (6) months from the date of delivery thereof to the original purchaser at retail, to be free from defects in workmanship and material under normal use and service. The obligation of Company under this warranty shall be limited to shipment, without charge, to the original purchaser from Company, of the part or parts of such Dearborn equipment intended to replace the part or parts acknowledged by Company to be defective in workmanship or material. This warranty is in lieu of all other warranties, expressed or implied, and of all obligations or liabilities on the part of Company, and it neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with workmanship or material of equipment bearing the trade-mark "Dearborn" or any part thereof. This warranty shall not apply to any Dearborn equipment, or any part thereof, which has been damaged in any accident, or by fire, flood, or Act of God, or abused or misused, or which has been altered elsewhere than at the place of manufacture, or in which the original purchaser thereof at retail, has used or allowed to be used, parts not made or supplied by Company. Company reserves the right at any time to make changes in the design, materials and/or specifications of equipment bearing the trade-mark "Dearborn" and/or accessories therefor, without thereby becoming liable to make similar changes in equipment bearing the trade-mark "Dearborn" and/or accessories therefor, previously manufactured.

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