

51. Install clevis pin (T) and hairpin cotter (V) as shown in figure 37, to be used with attachments.
52. Reinstall fuel tank (Model 1572 Only). **CAUTION: YOU MUST CHECK TO SEE THAT SAFETY WIRES ON ROLL PINS IN REAR P.T.O. SHAFT ASSEMBLY DO NOT INTERFERE WITH THE BOTTOM OF THE FUEL TANK.**  
Attach return fuel line to the bottom front of the fuel tank.  
Reconnect main fuel line to rear valve on bottom of tank.
53. Install seat support (battery tray), fender assembly, seat assembly, cam, cam knob and center cover in reverse order of steps 1 through 20.
54. Connect taillight leads, seat switch and connect rear P.T.O. clutch lead to connectors provided in harness.
55. Install directional switch (AP) in hole in pedestal as shown in figures 39 and 40.

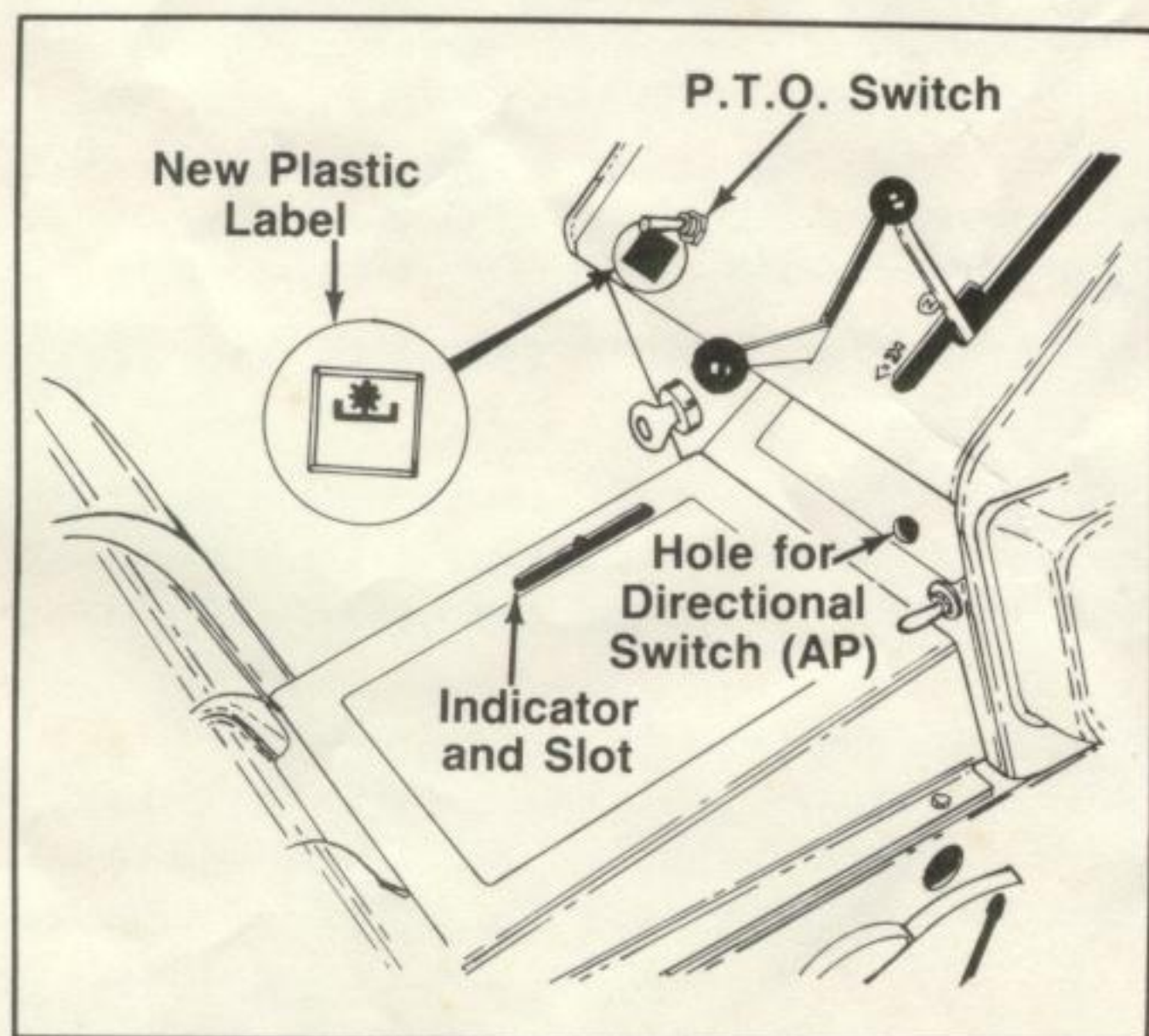


FIGURE 39. (Model 1572 Only)

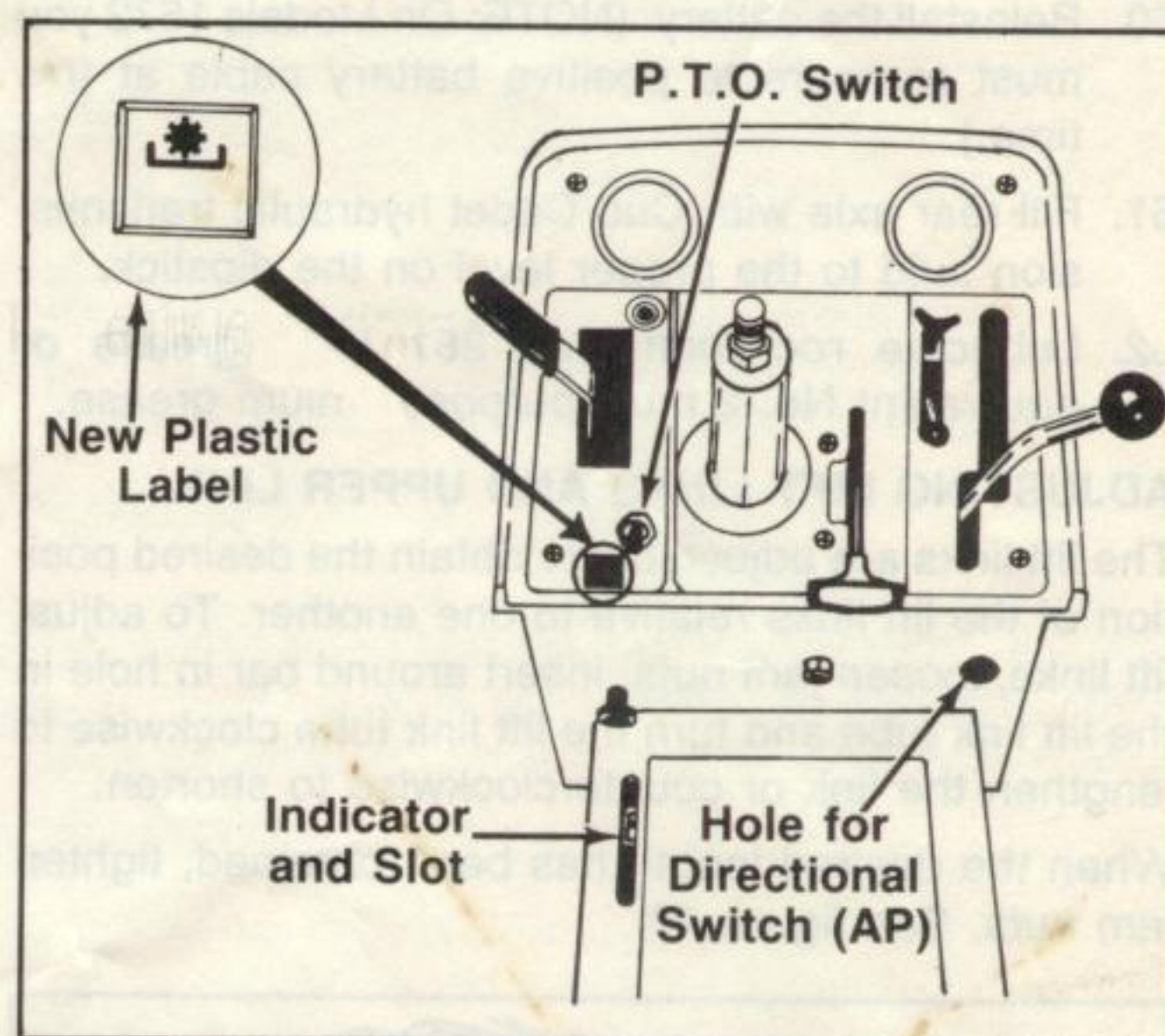


FIGURE 40. (Models 1872 & 2072)

56. Remove jumper lead located in wire harness and plug in wire lead provided in kit to P.T.O. directional switch. See figure 41.

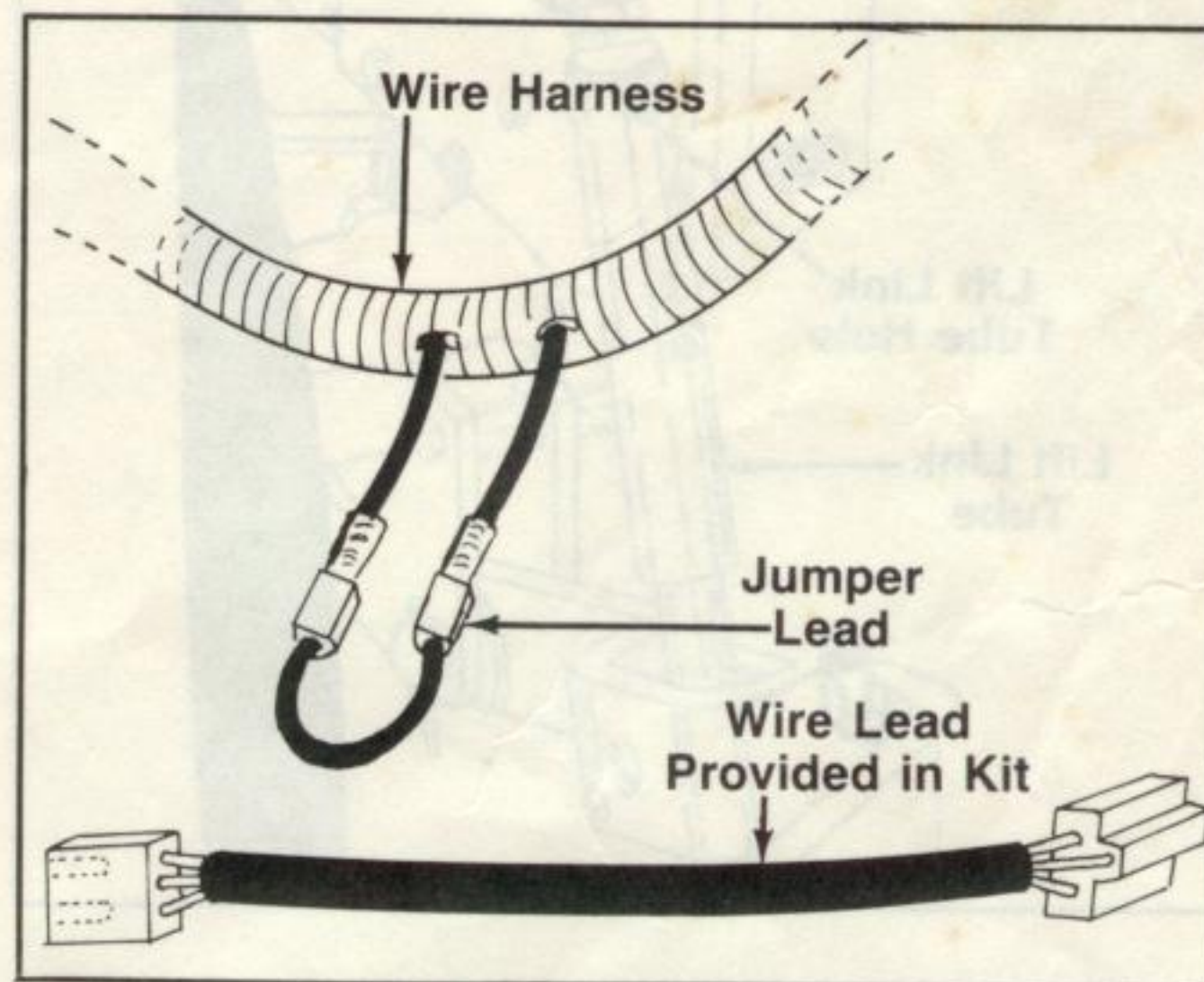


FIGURE 41.

57. Thoroughly clean the instrument panel area where the P.T.O. switch is located and attach new plastic label provided in kit, as shown in figures 39 and 40.
58. Install the appropriate frame cover instruction label over the existing label.

Model No.	Label No.
1872 & 2072	779-3425
1572	779-3426

59. Reinstall the frame cover to the tractor; be sure that lift indicator is through the slot in the cover. See figures 39 and 40.



***Cub Cadet***<sup>®</sup>

**Power Equipment**

# **Installation Instructions**

---

## **MOUNTING OF REAR PTO**

**Model Number**

**433**

(190-433-100)

## **AND 3-POINT HITCH**

**Model Number**

**383**

(190-383-100)

**For Models 1572, 1872 and 2072 With  
Serial Number 759623 and Above**

**Important:  
Read Instructions Carefully**

Thank you for purchasing an American-built product.

**CUB CADET CORPORATION • P.O. BOX 36930 • CLEVELAND, OHIO 44136**

PRINTED IN U.S.A.

FORM NO. 772-3796



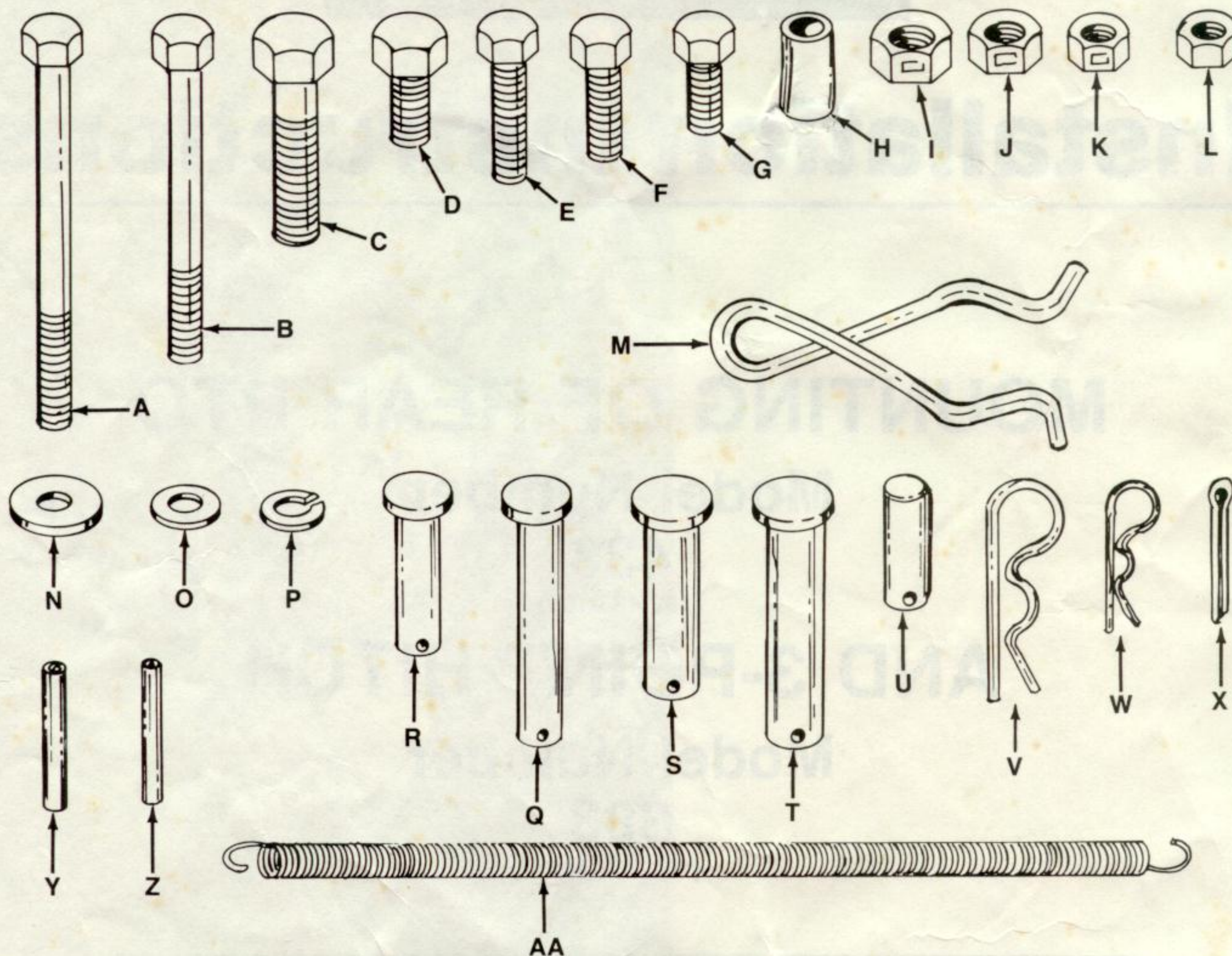
# THIS KIT MUST BE INSTALLED BY YOUR AUTHORIZED DEALER ONLY.

THE INSTALLATION OF REAR PTO AND 3-POINT HITCH, WILL REQUIRE THIS INSTALLATION INSTRUCTIONS MANUAL ONLY.

DISCARD THE INSTALLATION INSTRUCTIONS PACKED WITH THE 3-POINT HITCH MODEL (190-383-100) FORM NO. 772-3872.

ALL PARTS SHOULD BE LAYED OUT AND NOT MIXED FROM EACH KIT.

## 3-POINT HITCH KIT—MODEL NO. 383

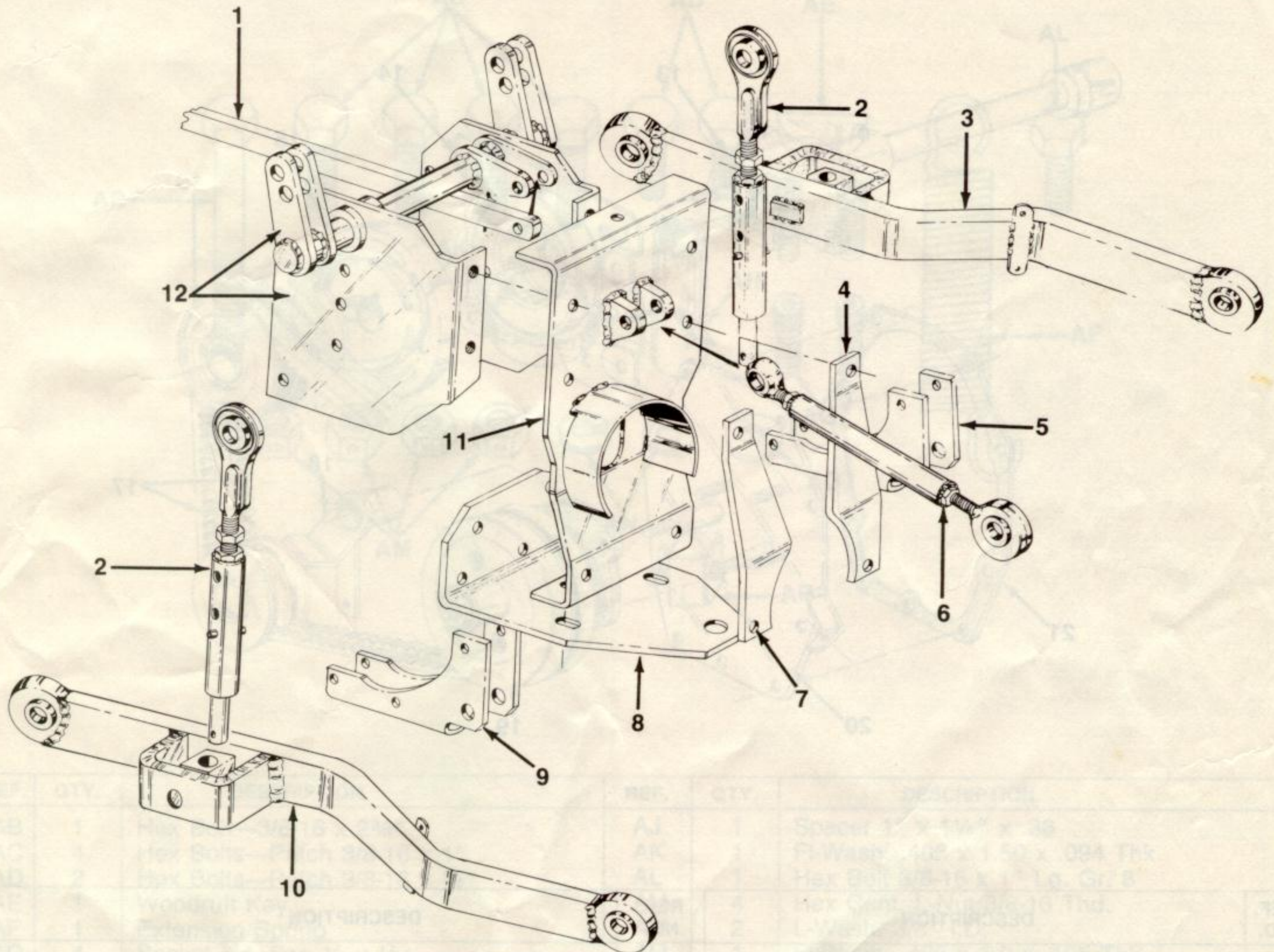


REF.	QTY.	DESCRIPTION	REF.	QTY.	DESCRIPTION
A	6	Hex Bolts—Patch 3/8-16 x 4" Lg.	O	8	Flat Washers .406 I.D. x .81 O.D. x .05
B	2	Hex Bolts—Patch 3/8-16 x 3 1/4" Lg.	P	9	Lock Washers 3/8" I.D.
C	2	Hex Bolts 1/2-13 x 1 3/4" Lg.	Q	1	Clevis Pin 1/2" x 1 1/2" Lg.
D	4	Hex Bolts 7/16-14 x 3/4" Lg.	R	1	Clevis Pin 1/2" x 2 1/2" Lg.
E	2	Hex Bolts 3/8-16 x 1 1/4" Lg.	S	2	Clevis Pins 5/8" x 1.9" Lg.
F	7	Hex Bolts 3/8-16 x 1" Lg.	T	1	Clevis Pin 5/8" x 2-3/8" Lg.
G	4	Hex Bolts 3/8-16 x 3/4" Lg.	U	1	Clevis Pin (No Head)
H	6	Spacers	V	1	Hairpin Cotter—Large
I	2	Hex Lock Nuts 1/2-13 Thd.	W	3	Hairpin Cotters—Small
J	4	Hex Lock Nuts 7/16-14 Thd.	X	1	Cotter Key 3/16 x 7/8" Lg.
K	8	Hex Lock Nuts 3/8-16 Thd.	Y	2	Roll Pins 1/4" x 1 1/2" Lg.
L	1	Hex Nut 3/8-16 Thd.	Z	1	Roll Pin 3/16" x 1 1/2" Lg.
M	1	Storage Bail	AA	1	Extension Spring
N	1	Flat Washer 3/8 x 1" x .100			



# 3-POINT HITCH KIT—MODEL NO. 383

## IDENTIFICATION OF PARTS:



REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
1	Bar, Implement Lift	7	Cam, Sway Limiter—L.H.
2	Link Ass'y., Lift	8	Drawbar Plate
3	Link Ass'y., Lower	9	Lower Link Support Plate
4	Cam, Sway Limiter—R.H.	10	Link Ass'y., Lower
5	Lower Link Support Plate	11	Drawbar Support Plate Ass'y.
6	Link Ass'y., Upper	12	Rocker Shaft Ass'y.

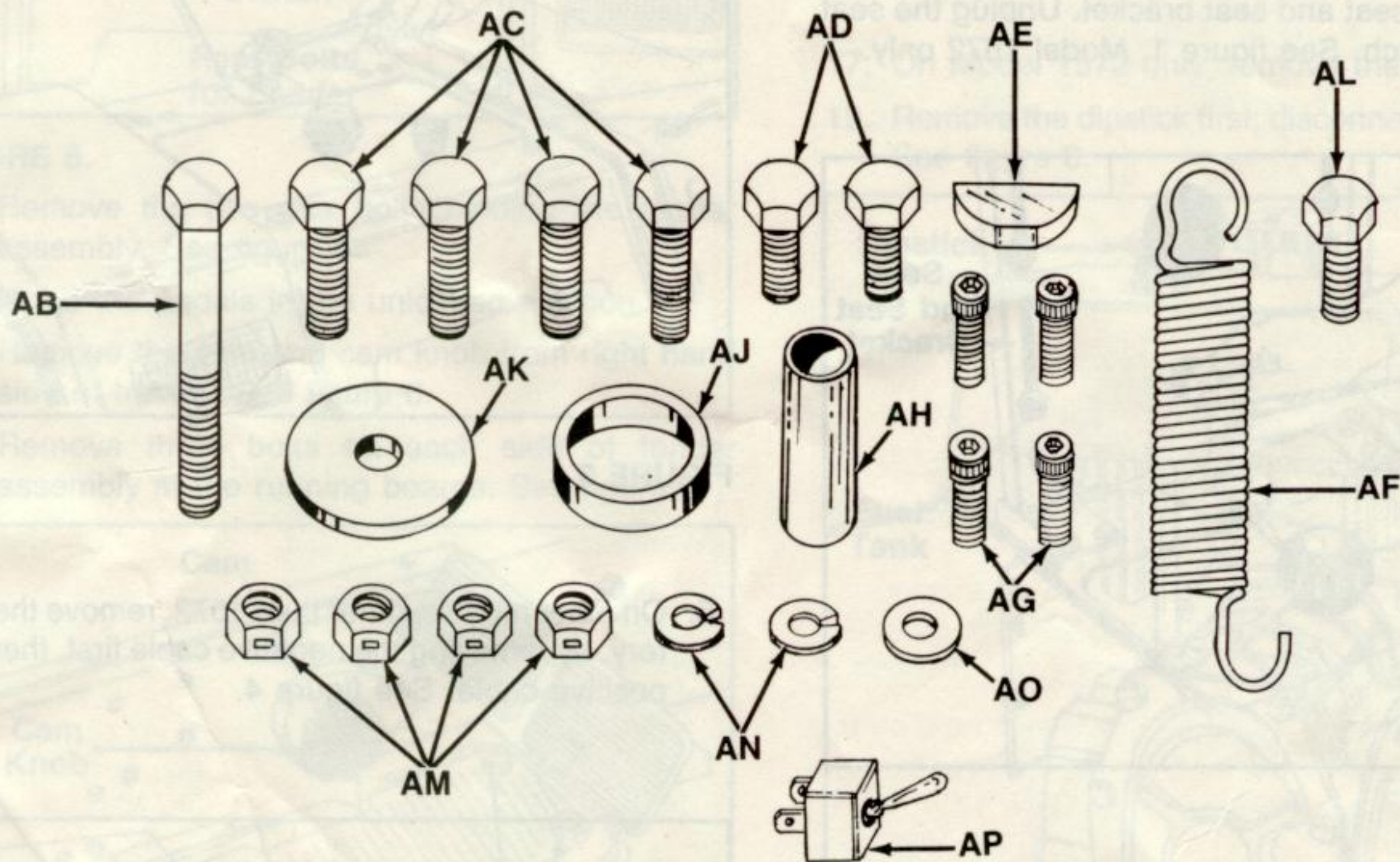






# REAR P.T.O. KIT—MODEL NO. 433

## Contents of Hardware Pack:



REF.	QTY.	DESCRIPTION	REF.	QTY.	DESCRIPTION
AB	1	Hex Bolt—3/8-16 x 2 <sup>3</sup> / <sub>4</sub> "	AJ	1	Spacer 1" x 1 <sup>1</sup> / <sub>4</sub> " x .36
AC	4	Hex Bolts—Patch 3/8-16 x 1"	AK	1	Fl-Wash. .406 x 1.50 x .094 Thk.
AD	2	Hex Bolts—Patch 3/8-16 x 3/4"	AL	1	Hex Bolt 3/8-16 x 1" Lg. Gr. 8
AE	1	Woodruff Key	AM	4	Hex Cent. L-Nut 3/8-16 Thd.
AF	1	Extension Spring	AN	2	L-Wash. 3/8" I.D.
AG	4	Socket Hd. Scr. 1/4 x 1/2	AO	1	Fl-Wash. .406 x 1.0 x .105 Thk.
AH	1	Spacer 1/2 x 11/16 x 1-3/8" Lg.	AP	1	P.T.O. Directional Switch



# ASSEMBLY INSTRUCTIONS

1. Lower the tractor lift to full down position. Check access hole to make sure headed pin 1/2 x 1.50" can be removed in step 30. See figure 7.
2. Raise the seat and seat bracket. Unplug the seat safety switch. See figure 1. Model 1572 only.

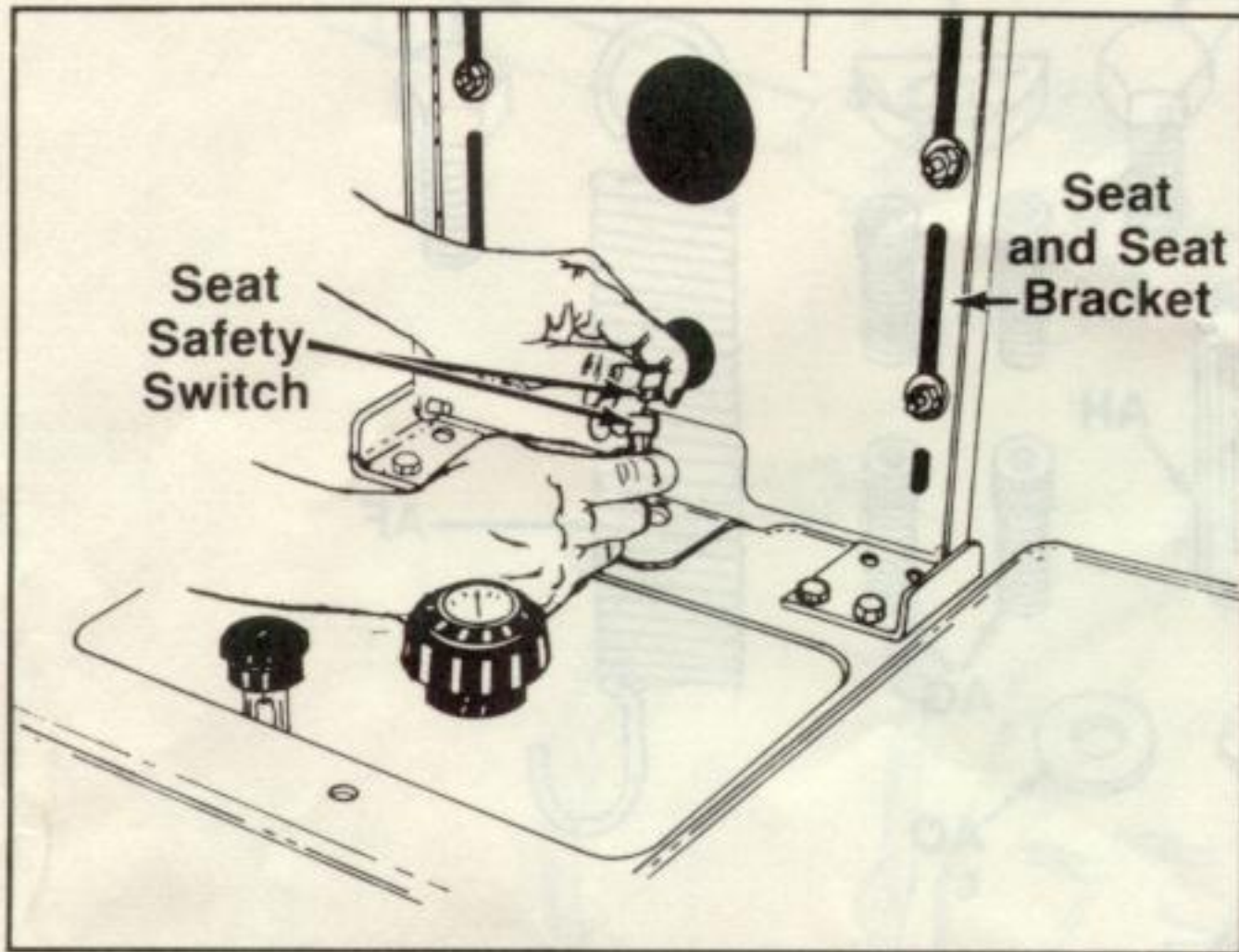


FIGURE 1.

3. Remove the four bolts holding the seat and seat bracket to fender assembly. See figure 2. Model 1572 shown.

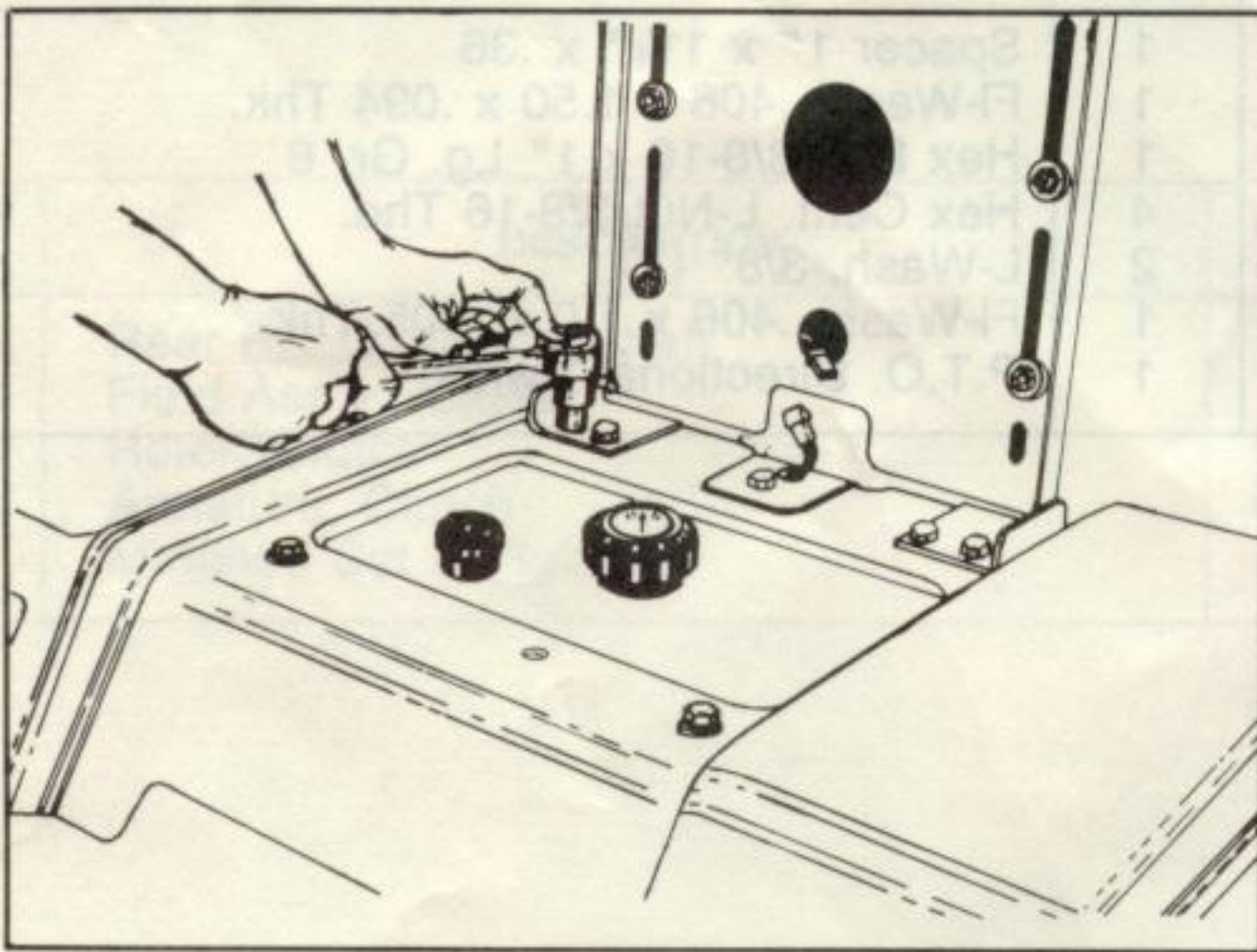


FIGURE 2.

4. Remove the center cover, by removing one bolt and flat washer. See figure 3.

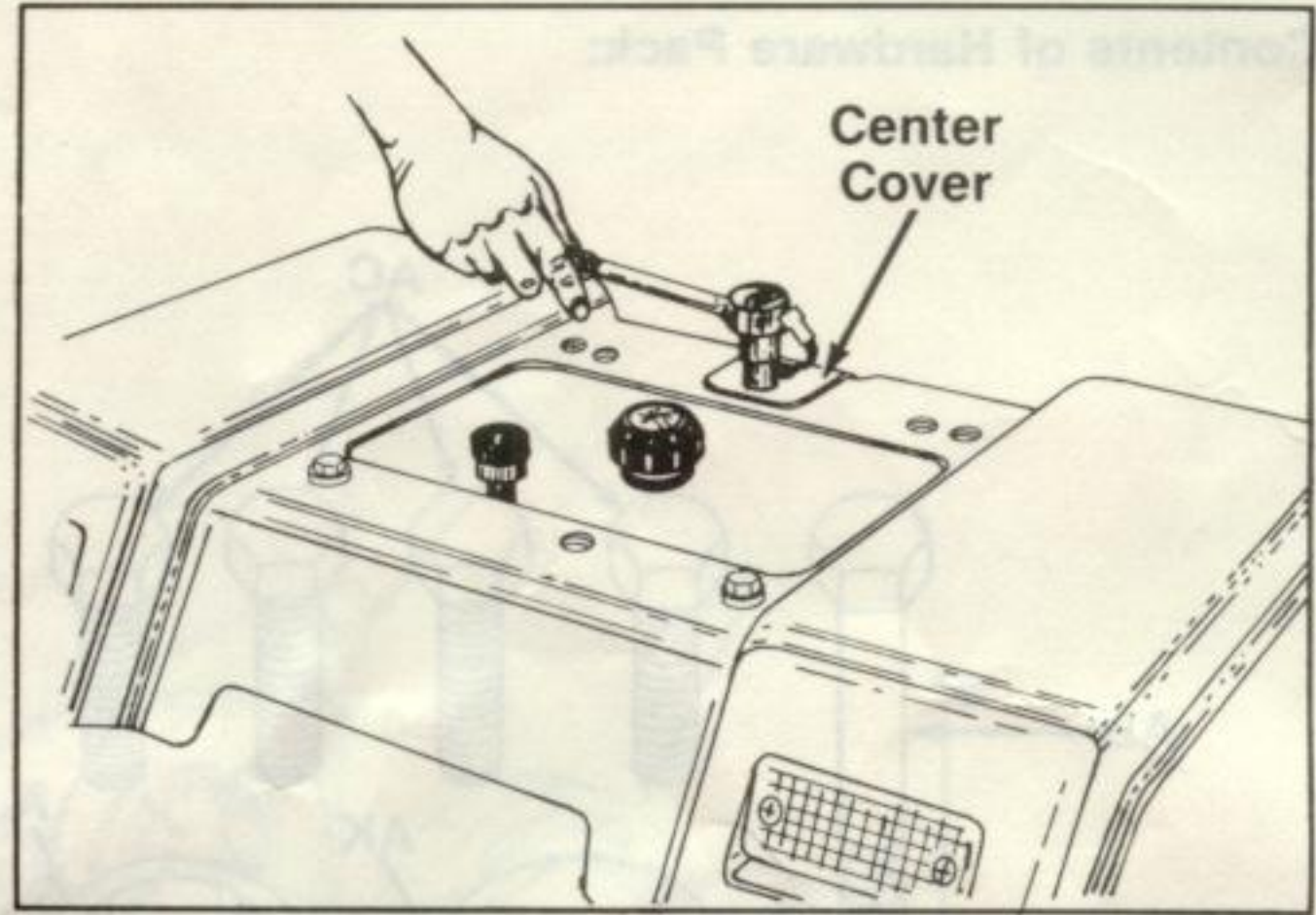


FIGURE 3.

5. On other models, other than 1572, remove the battery, by removing the negative cable first, then the positive cable. See figure 4.

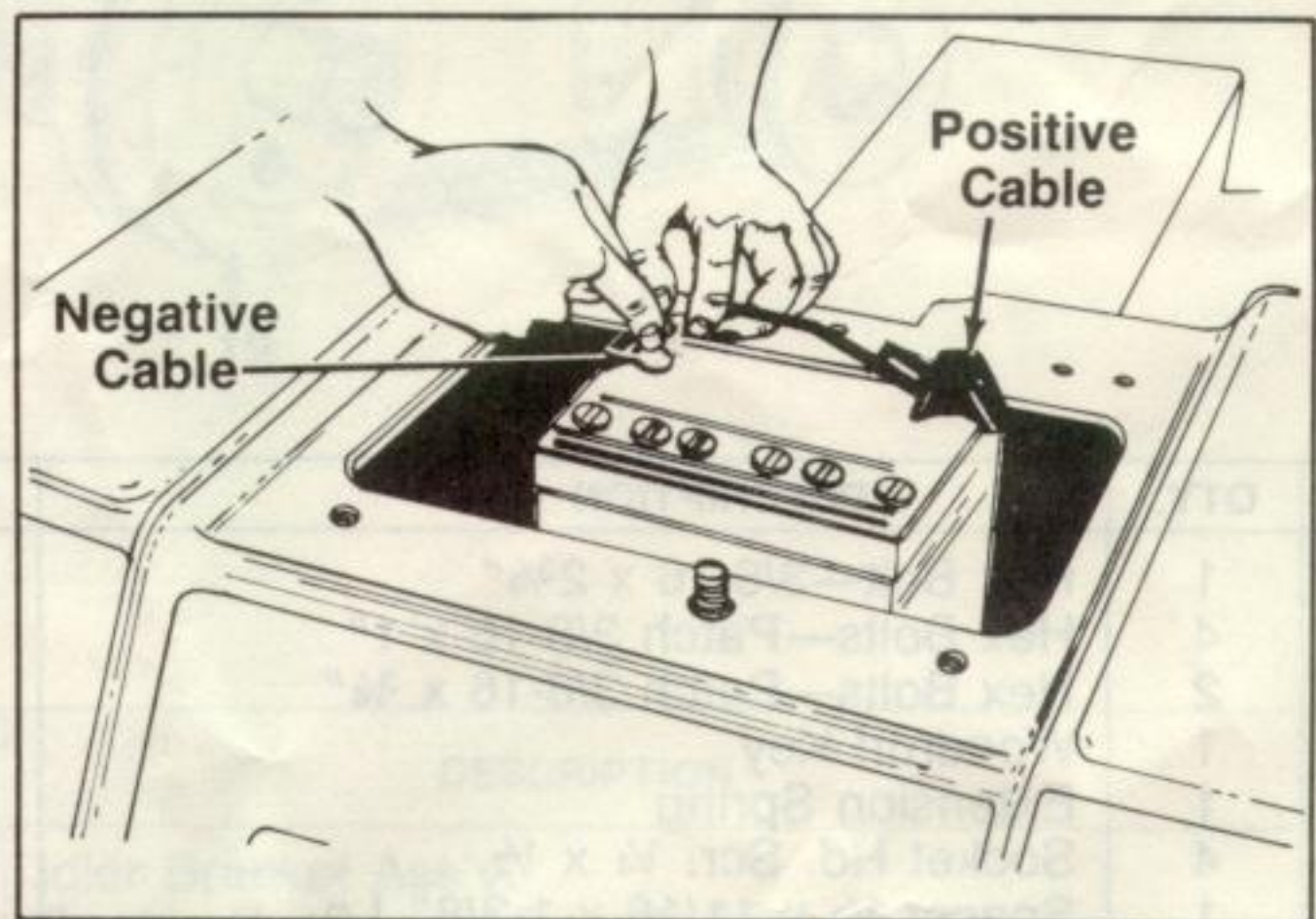
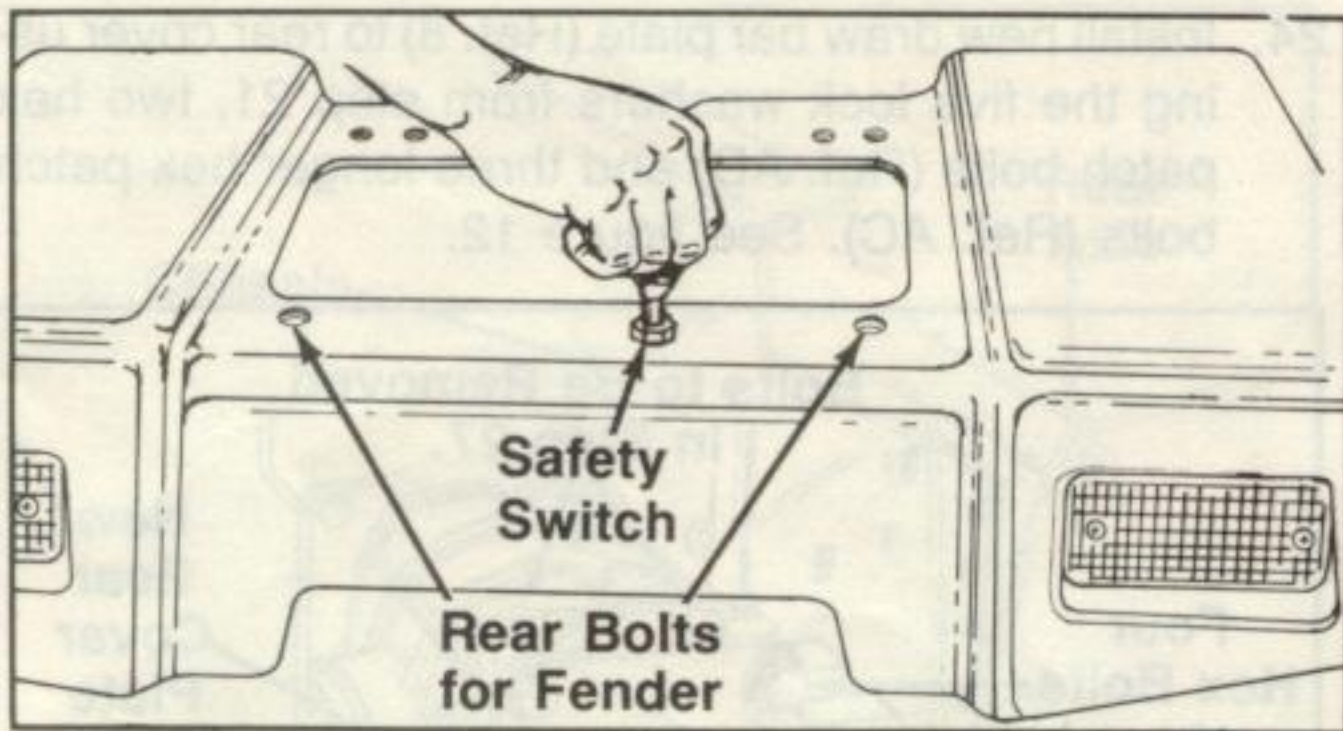


FIGURE 4.

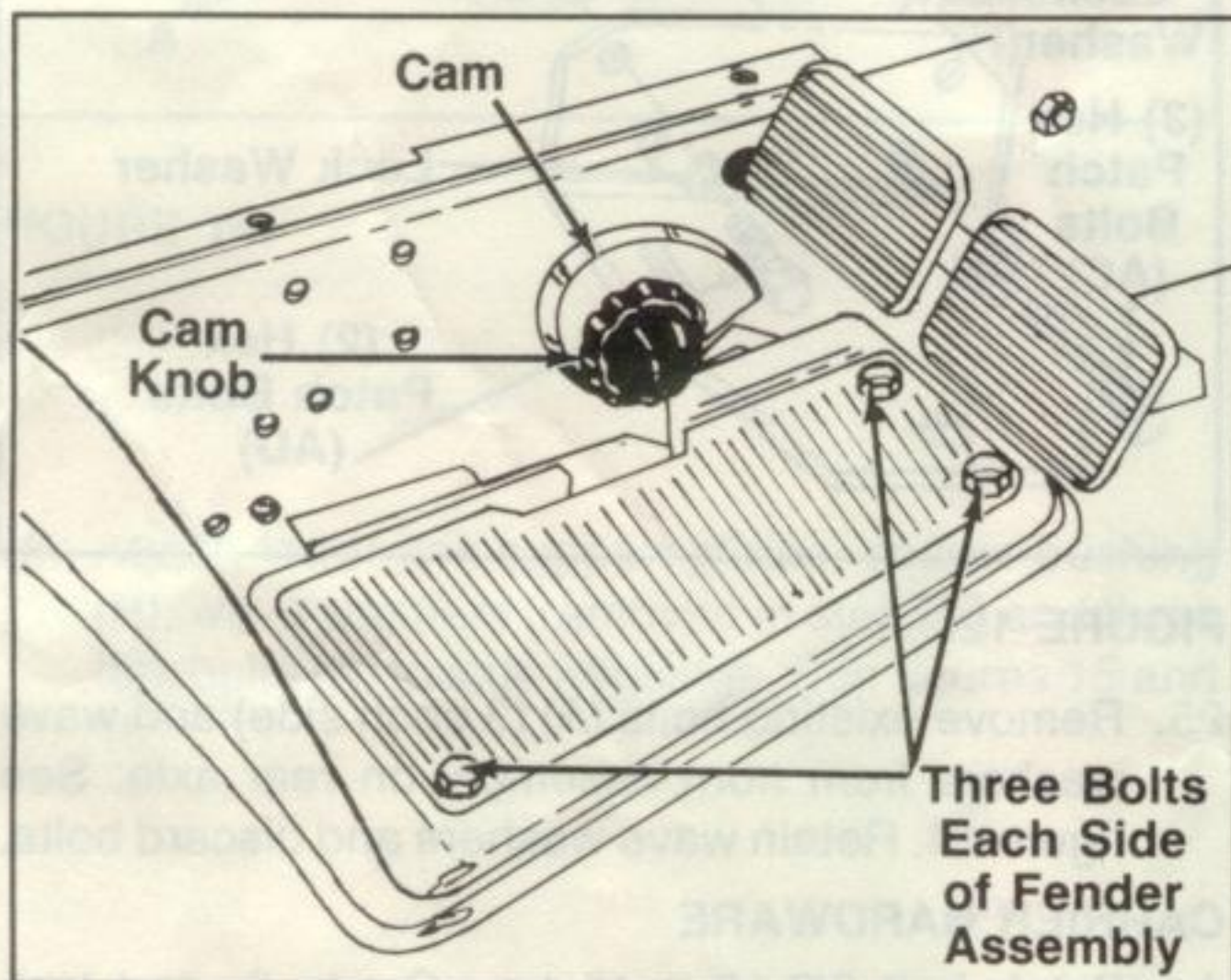
6. Remove the battery hold down strap.
7. Remove the battery from the tractor. NOTE: When removing the battery the battery drain hose must be pinched closed to prevent battery acid from dripping. (NOTE: On Model 1572 the positive cable must be disconnected, it is not necessary to remove the battery.)
8. Remove the safety switch cover, then remove the lead connecting the switch to the harness. Remove the switch from the fender. See figure 5.





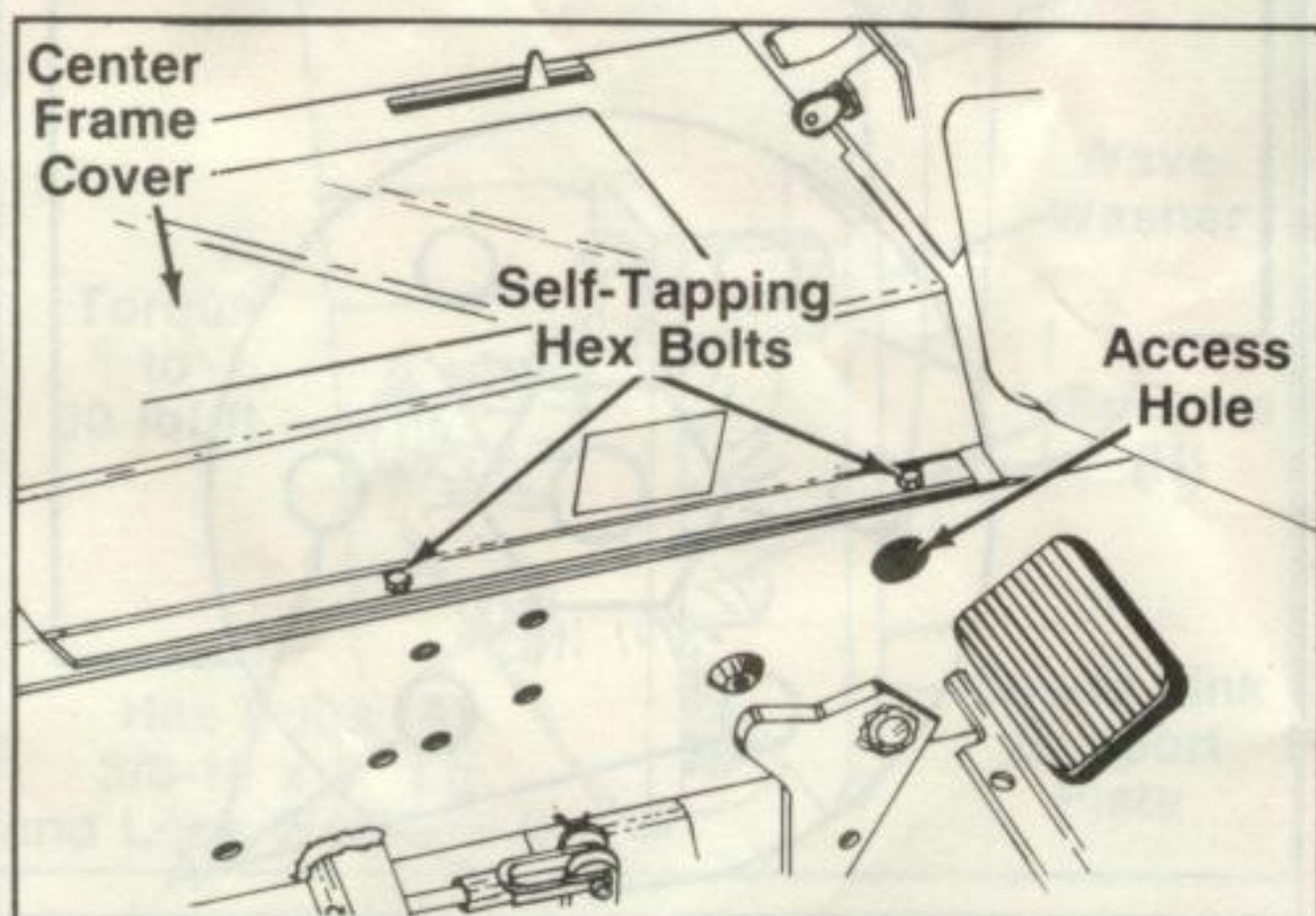
**FIGURE 5.**

9. Remove the two rear bolts holding the fender assembly. See figure 5.
10. Place the pedals in the unlocked position.
11. Remove the cam and cam knob from right hand side of tractor. See figure 6.
12. Remove three bolts on each side of fender assembly at the running boards. See figure 6.



**FIGURE 6.**

13. Remove the four self-tapping hex bolts holding the center frame cover. See figure 7.



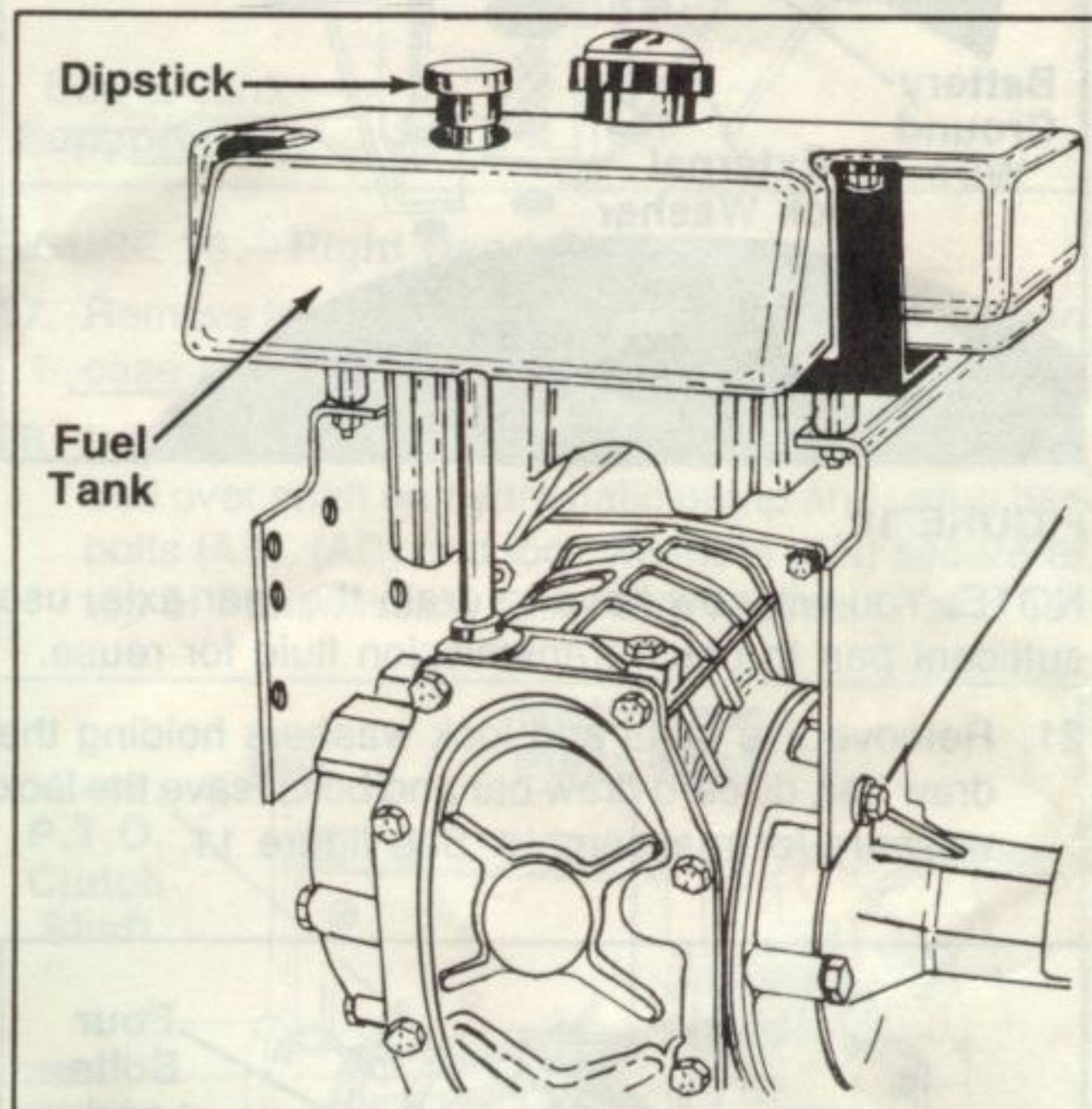
**FIGURE 7.**

14. Lift off the center frame cover.
15. Unplug taillight leads before lifting off fender.
16. Lift off the fender assembly.

**NOTE**

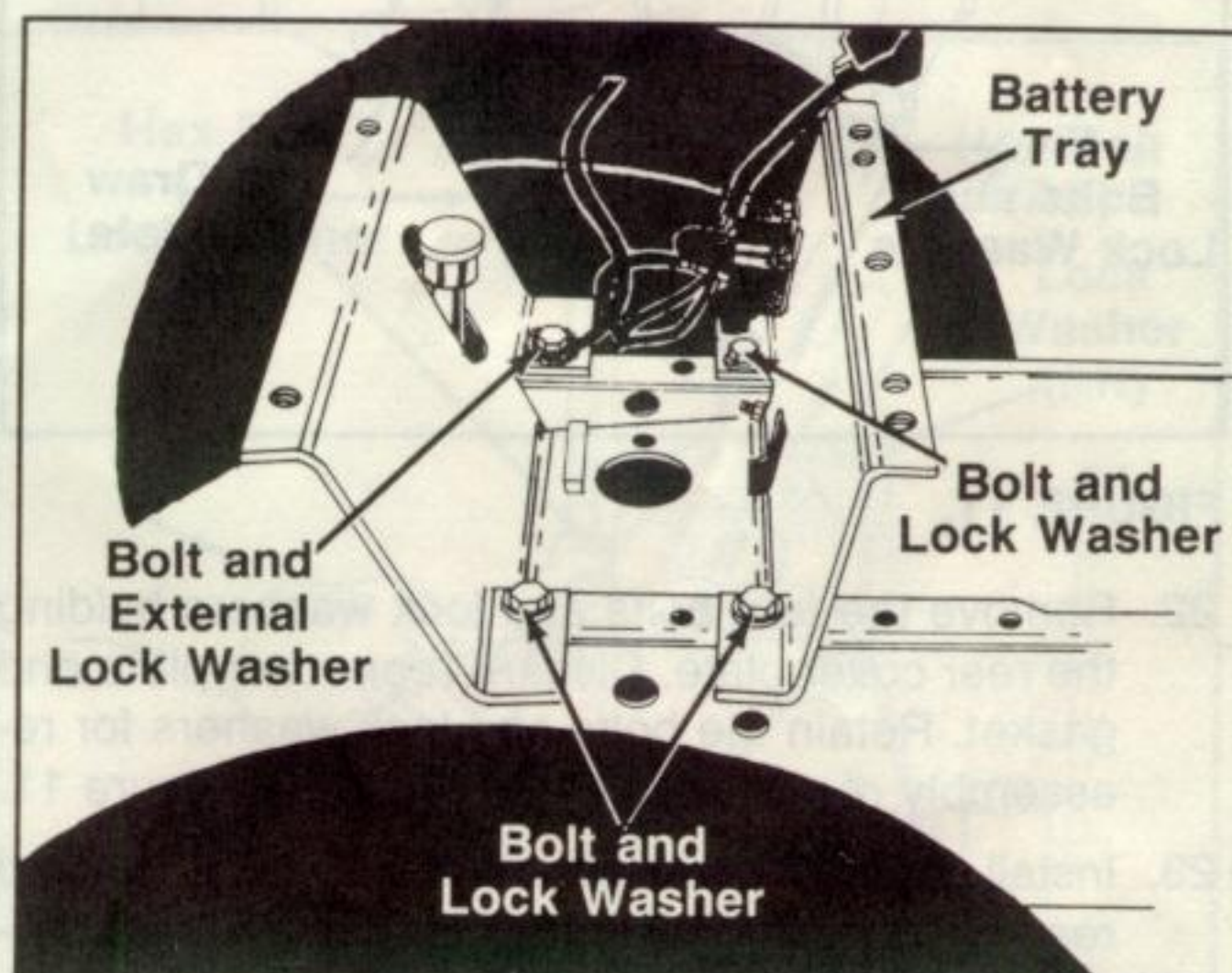
Steps 17 and 18 refer to Model 1572 only.

17. On Model 1572 only, remove the old fuel tank.
18. Remove the dipstick first; disconnect the fuel lines. See figure 8.



**FIGURE 8.**

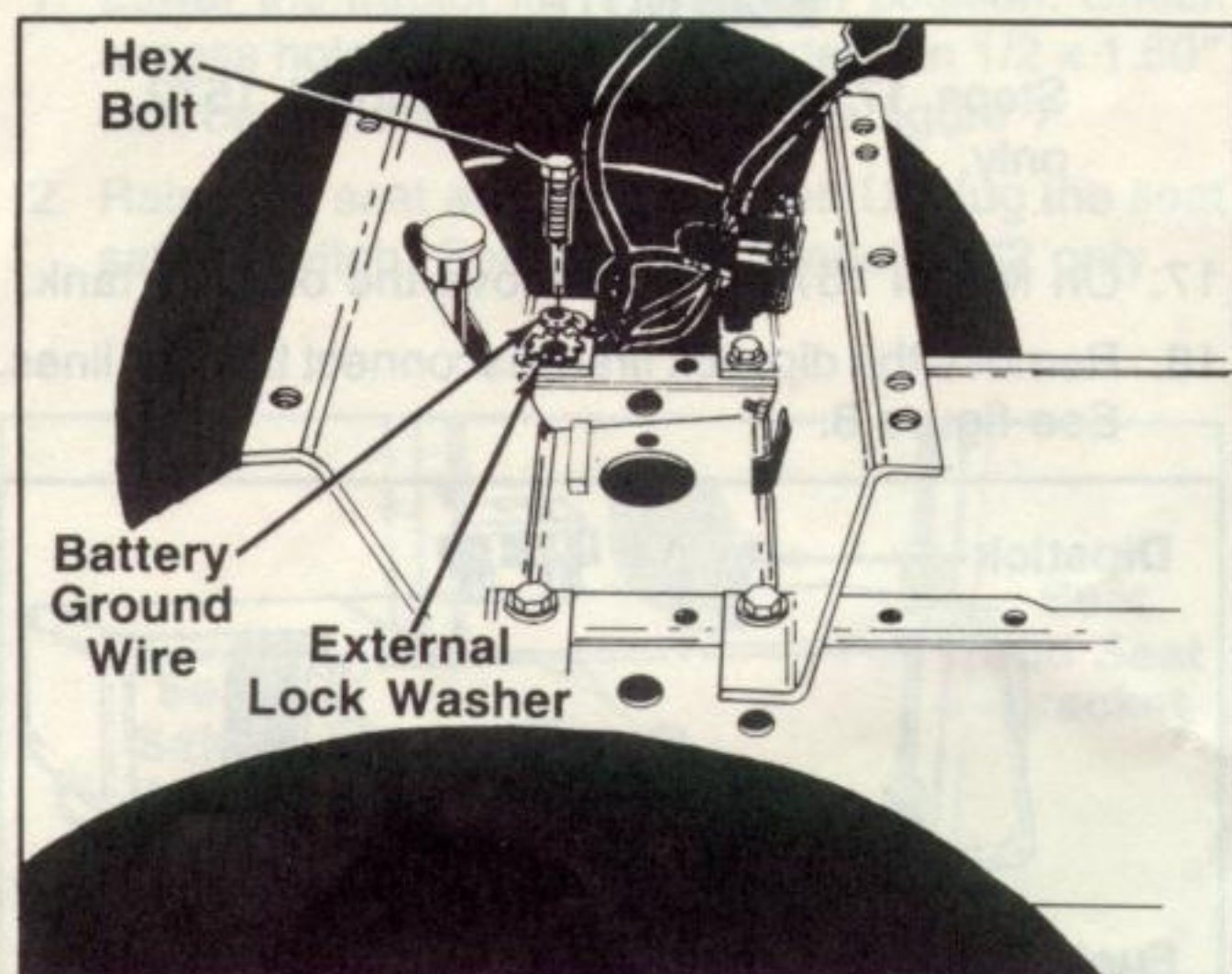
19. Remove the battery tray from the chassis. See figure 9. Remove four hex bolts, three lock washers and one external lock washer.



**FIGURE 9.**



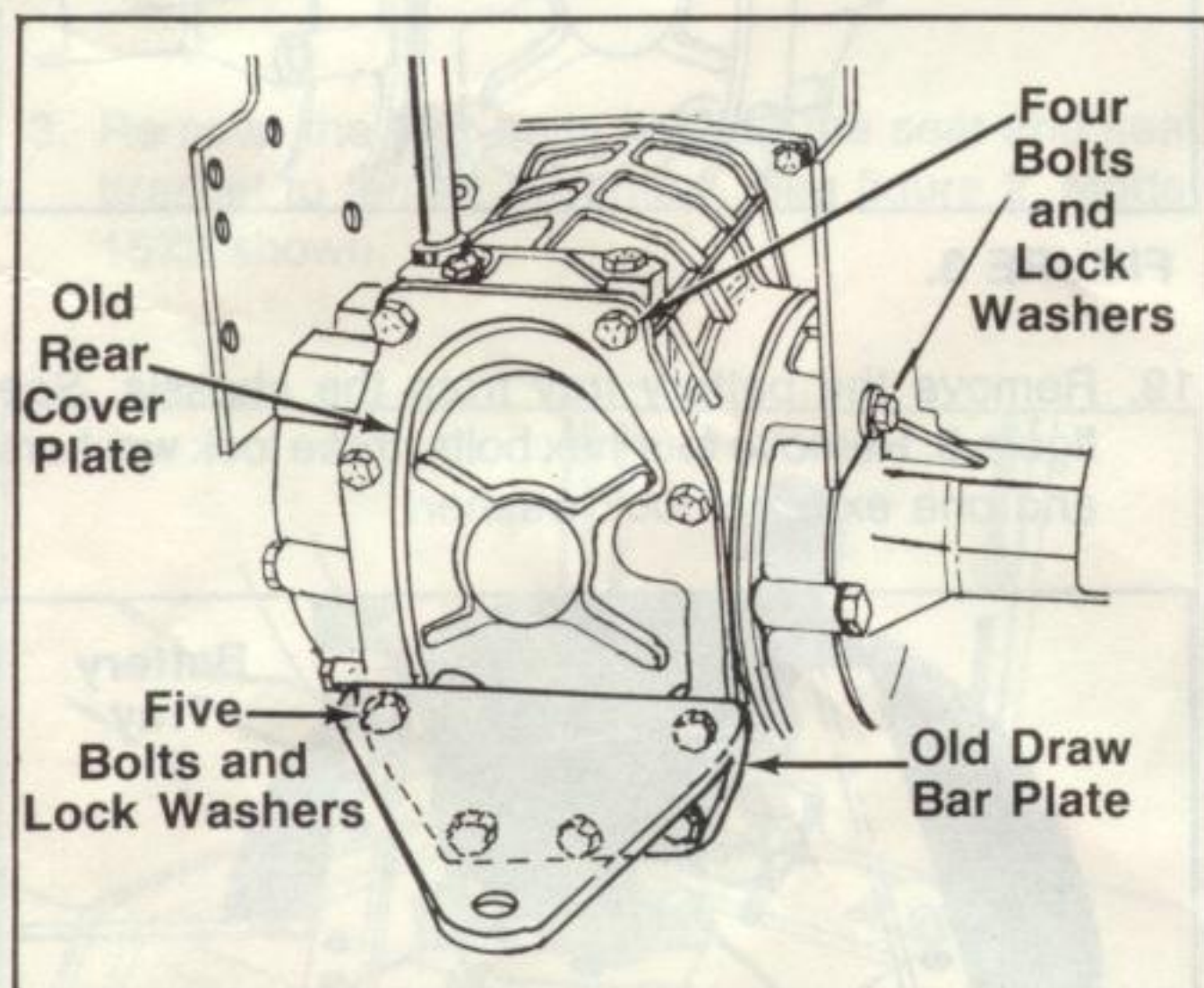
20. Upon reassembly of battery tray (**IN STEP 53**) make certain the battery ground wire is grounded to battery tray properly with external lock washer. See figure 10.



**FIGURE 10.**

NOTE: You will now have to drain the rear axle, use sufficient pan to catch transmission fluid for reuse.

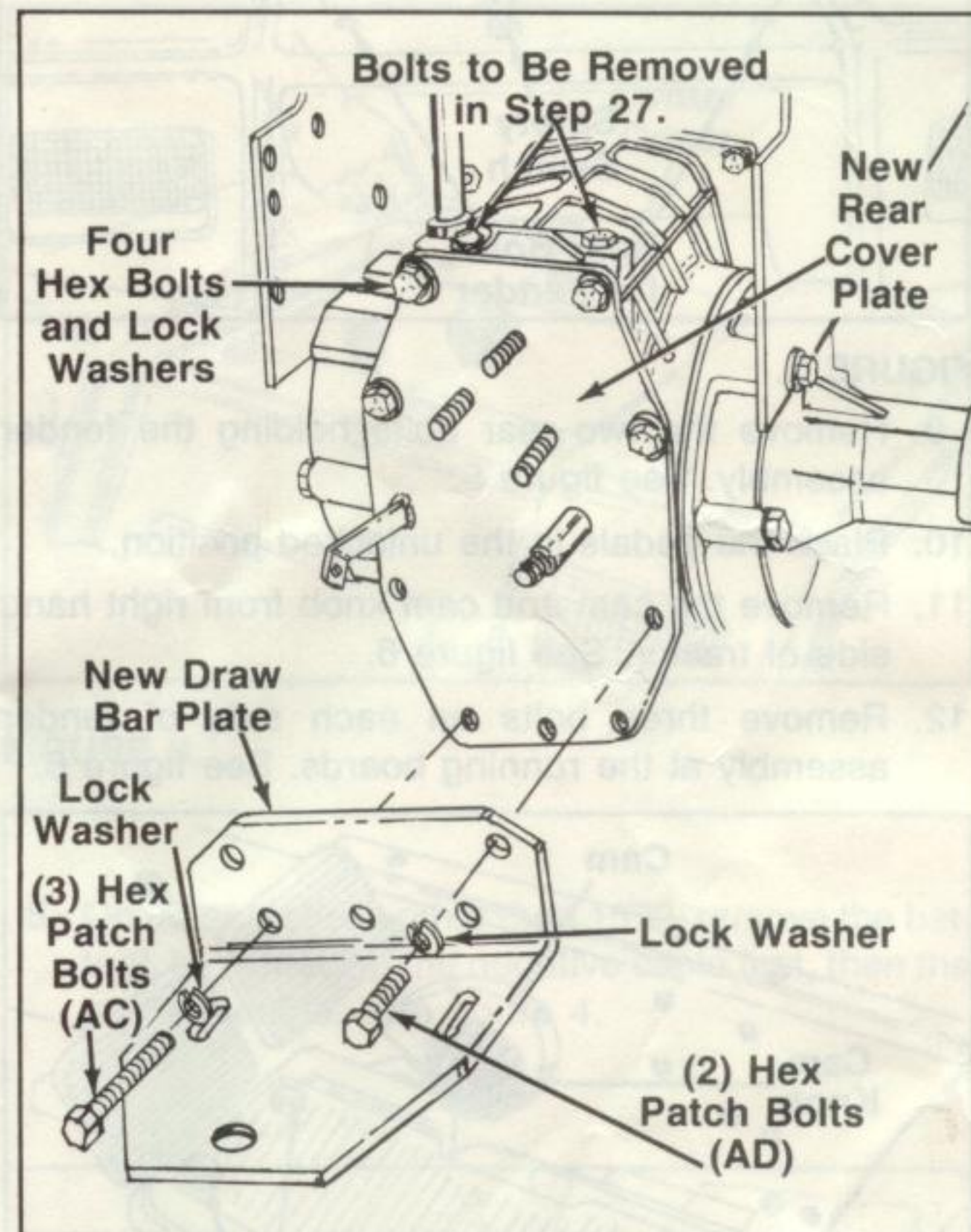
21. Remove five bolts and lock washers holding the draw bar, discard draw bar and bolts; save the lock washers for reassembly. See figure 11.



**FIGURE 11.**

22. Remove the four bolts and lock washers holding the rear cover plate. Discard rear cover plate and gasket. Retain the bolts and lock washers for reassembly of new rear cover plate. See figure 11.
23. Install new rear cover plate assembly (Ref. 20) and rear cover plate gasket (Ref. 21), to the transmission housing using the four bolts and lock washers removed in step 22. See figure 12.

24. Install new draw bar plate (Ref. 8) to rear cover using the five lock washers from step 21, two hex patch bolts (Ref. AD) and three longer hex patch bolts (Ref. AC). See figure 12.

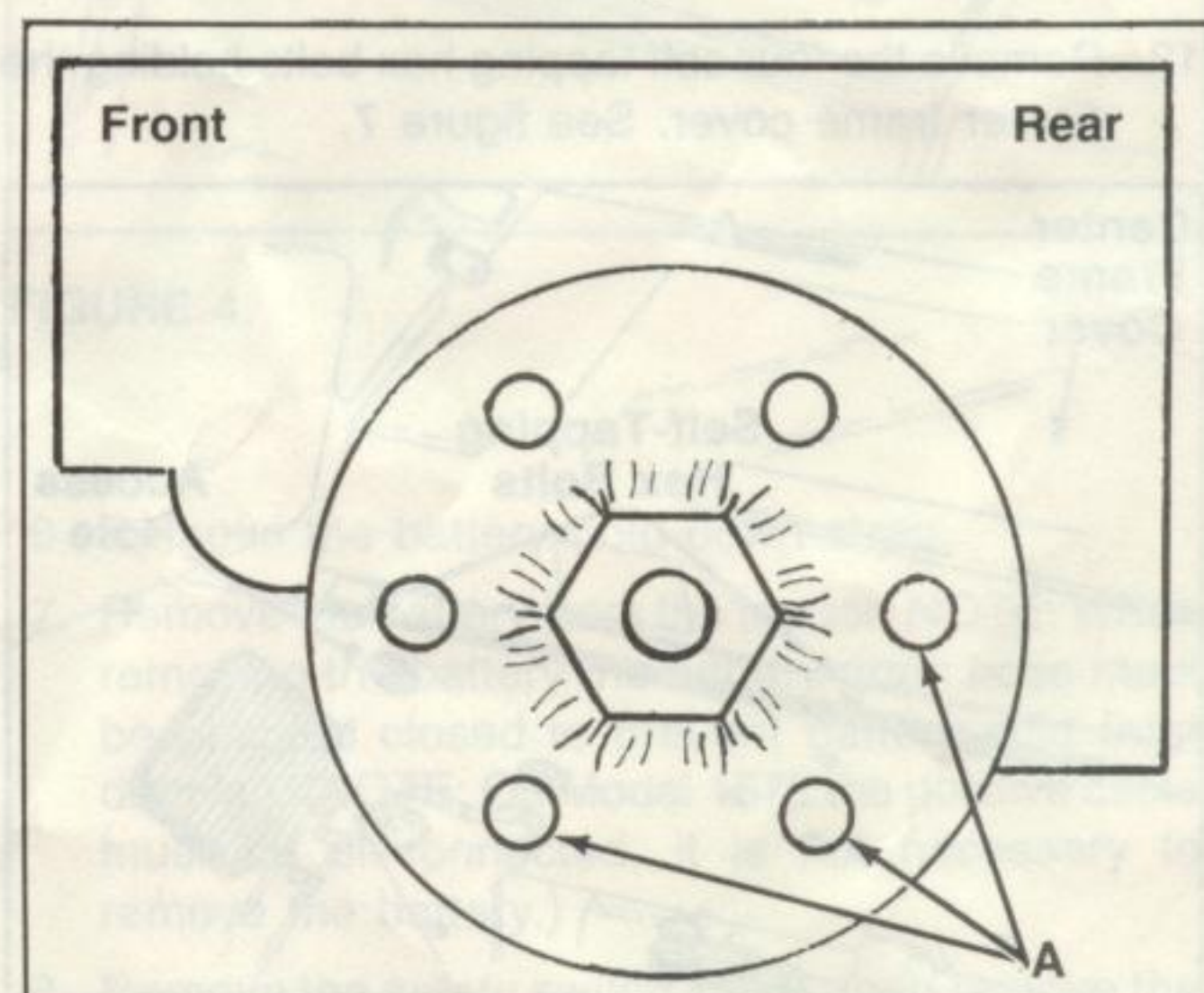


**FIGURE 12.**

25. Remove existing bolts (A) (3 each side) and wave washers from horn assembly on rear axle. See figure 14. Retain wave washers and discard bolts.

#### CARRIER HARDWARE

A. = Patch bolt 3/8-16 x 4" Lg., Grade 5, and lock washer 3/8" I.D. See figures 13 and 14.



**FIGURE 13.**



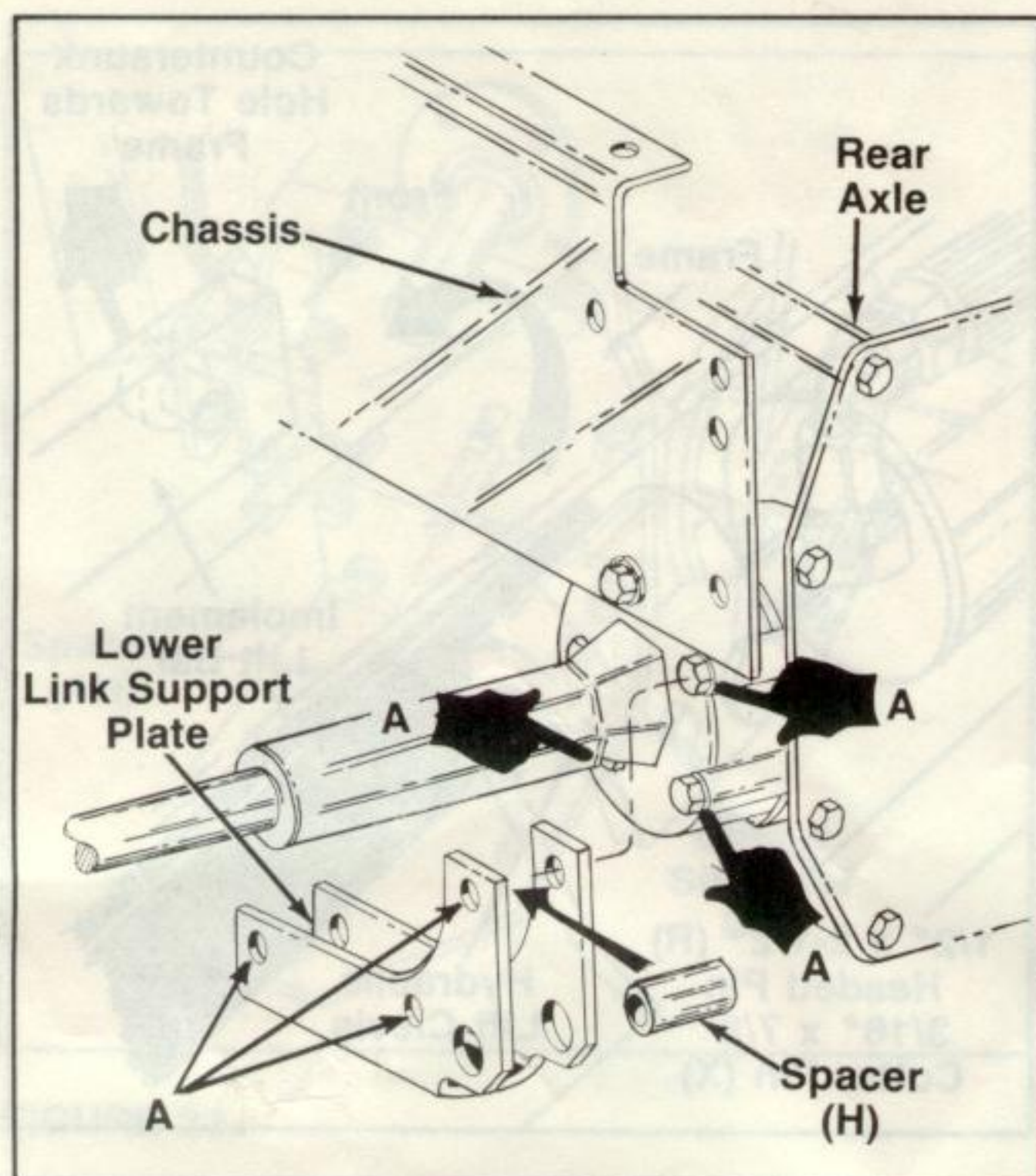


FIGURE 14.

26. Attach lower link support plates, spacer bushing (H), wave washers (removed in step 25) and three hex bolts (A) to axle housings. See figures 15 and 16.

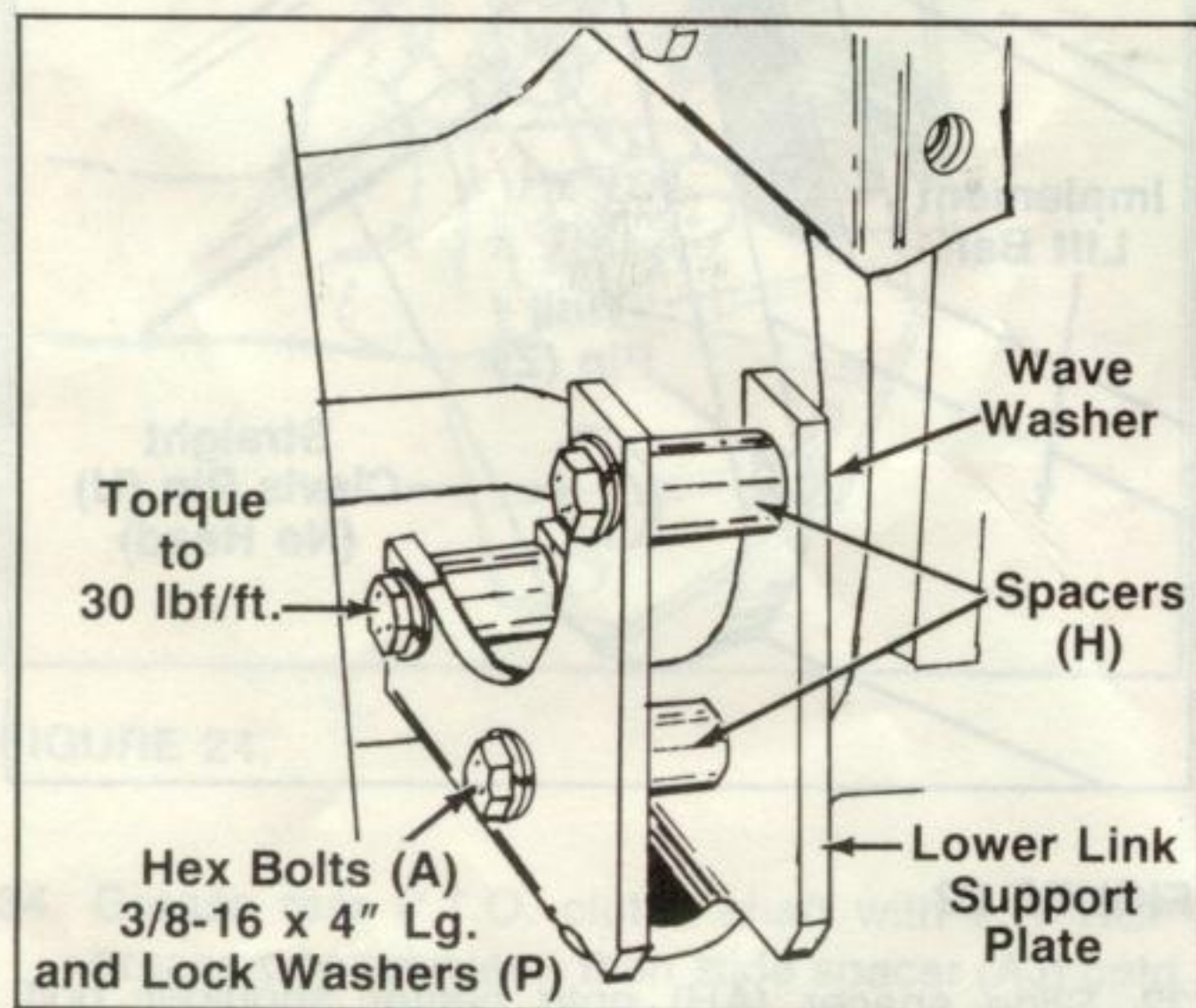


FIGURE 15.—Left Hand Side

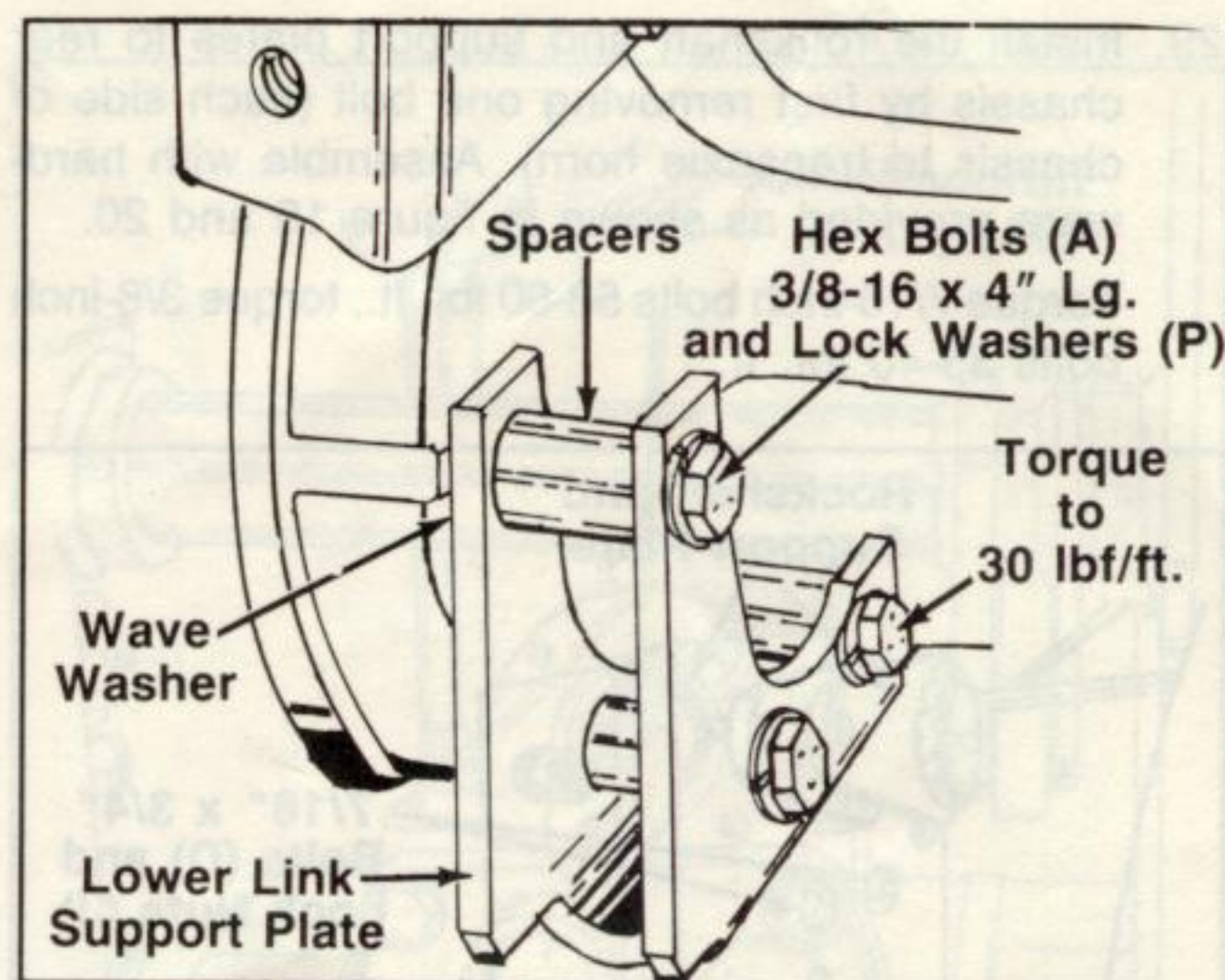


FIGURE 16.—Right Hand Side

27. Remove two bolts from the top of the transmission case as shown in figure 12.
28. Install the rear P.T.O. clutch shaft, slide splined end over shaft on hydrostatic pump and using hex bolts (AB), (AC) and lock washers (AN) secure to top of transmission case. See figures 17 and 18.

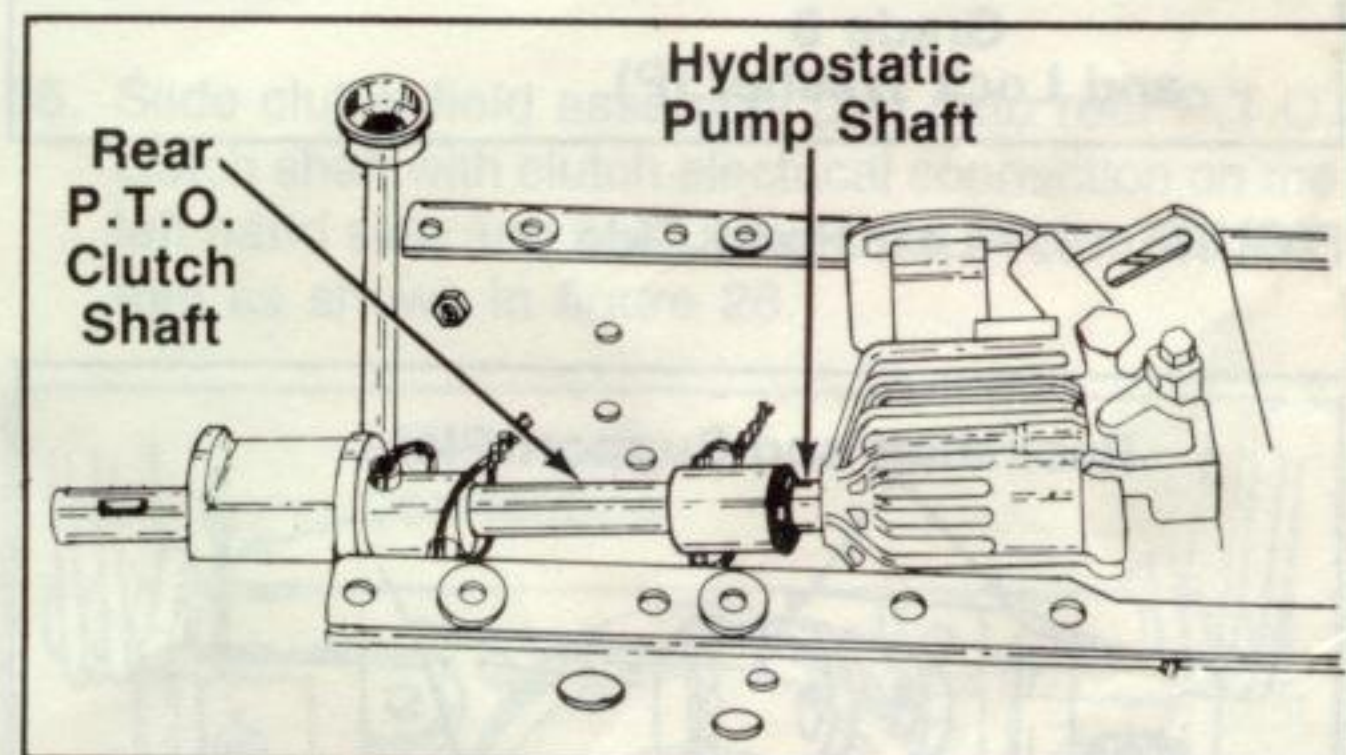


FIGURE 17.

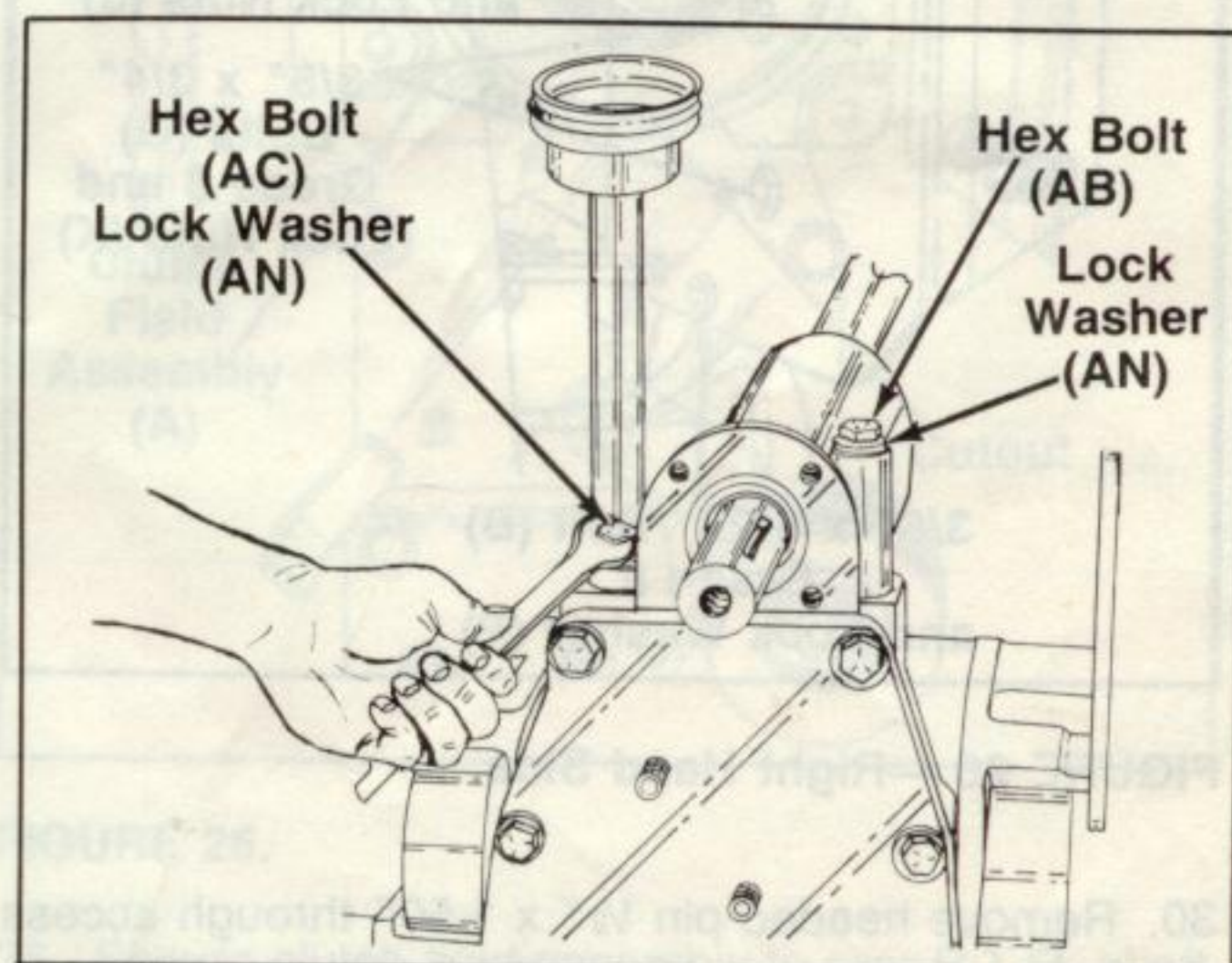


FIGURE 18.



29. Install the rockshaft and support plates to rear chassis by first removing one bolt (each side of chassis to transaxle horn). Assemble with hardware provided as shown in figure 19 and 20.

Torque 7/16-inch bolts 53-60 lbf. ft., torque 3/8-inch bolts 35-40 lbf. ft.

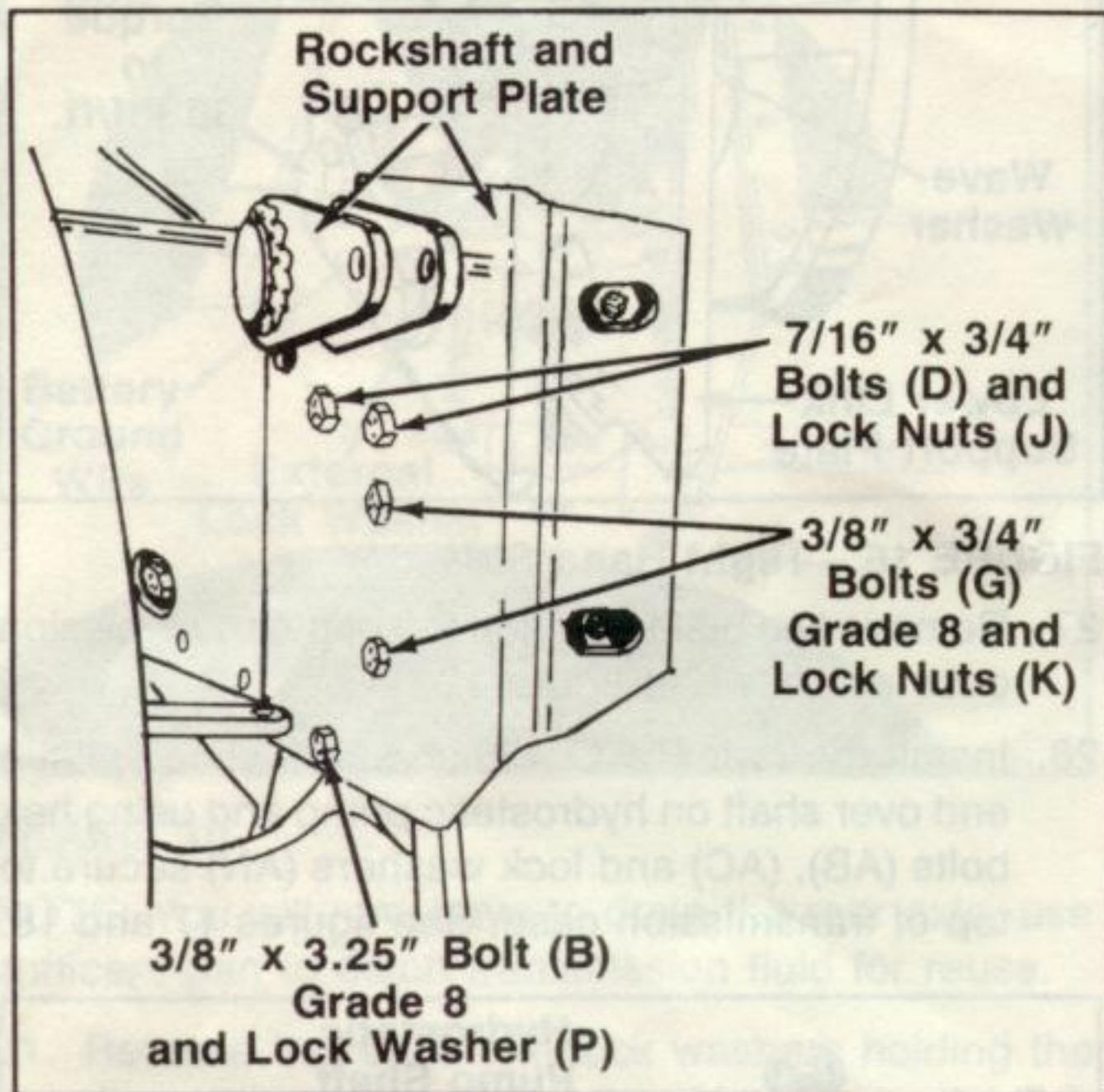


FIGURE 19.—Left Hand Side

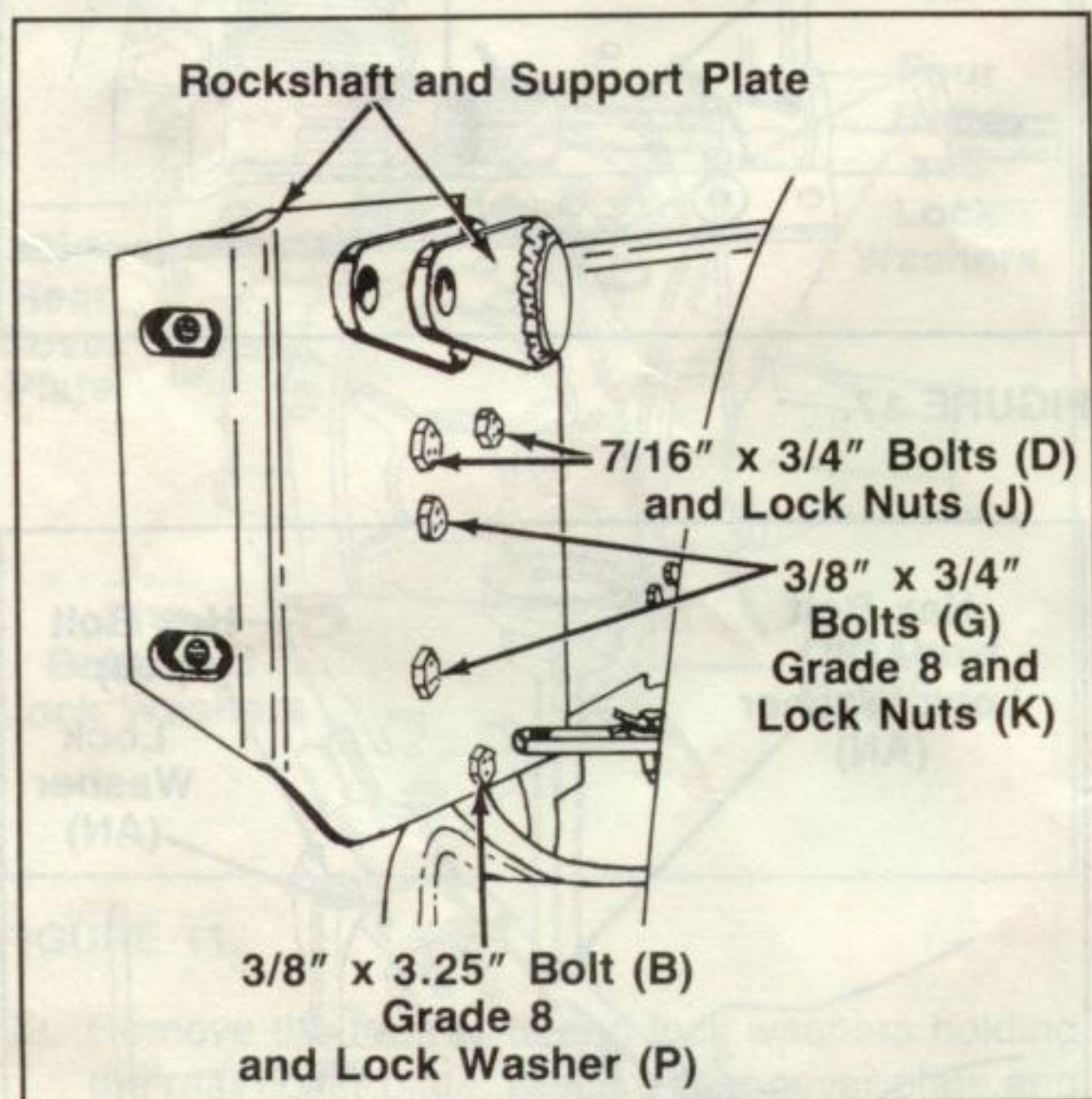


FIGURE 20.—Right Hand Side

30. Remove headed pin 1/2" x 1.50" through access hole in frame and attach the implement lift bar to hydraulic lift clevis assembly. See figure 21.

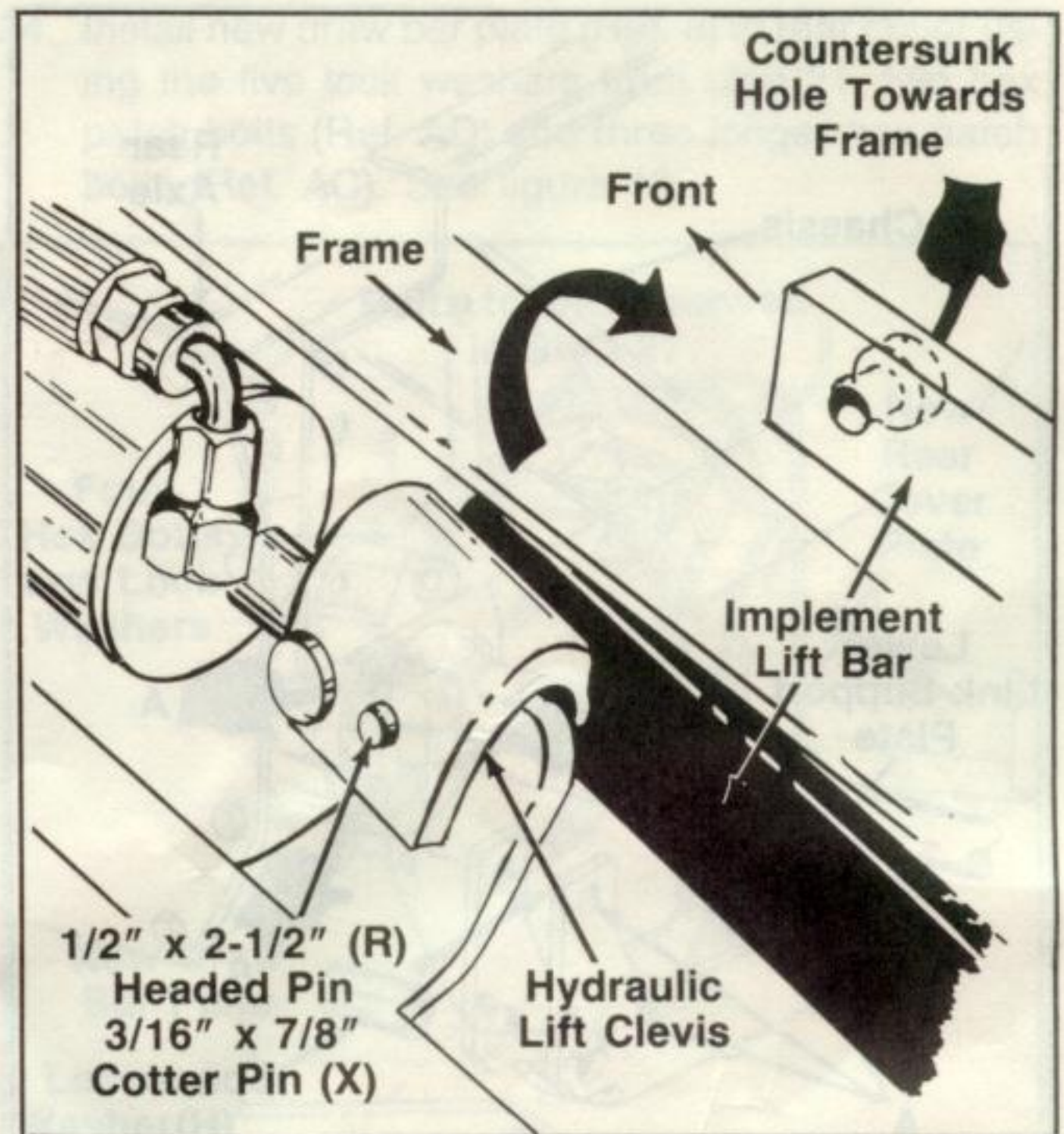


FIGURE 21.

31. Assemble the other end of implement lift bar to rockshaft with straight clevis pin (U) (no head) and roll pin (Z). See figure 22.

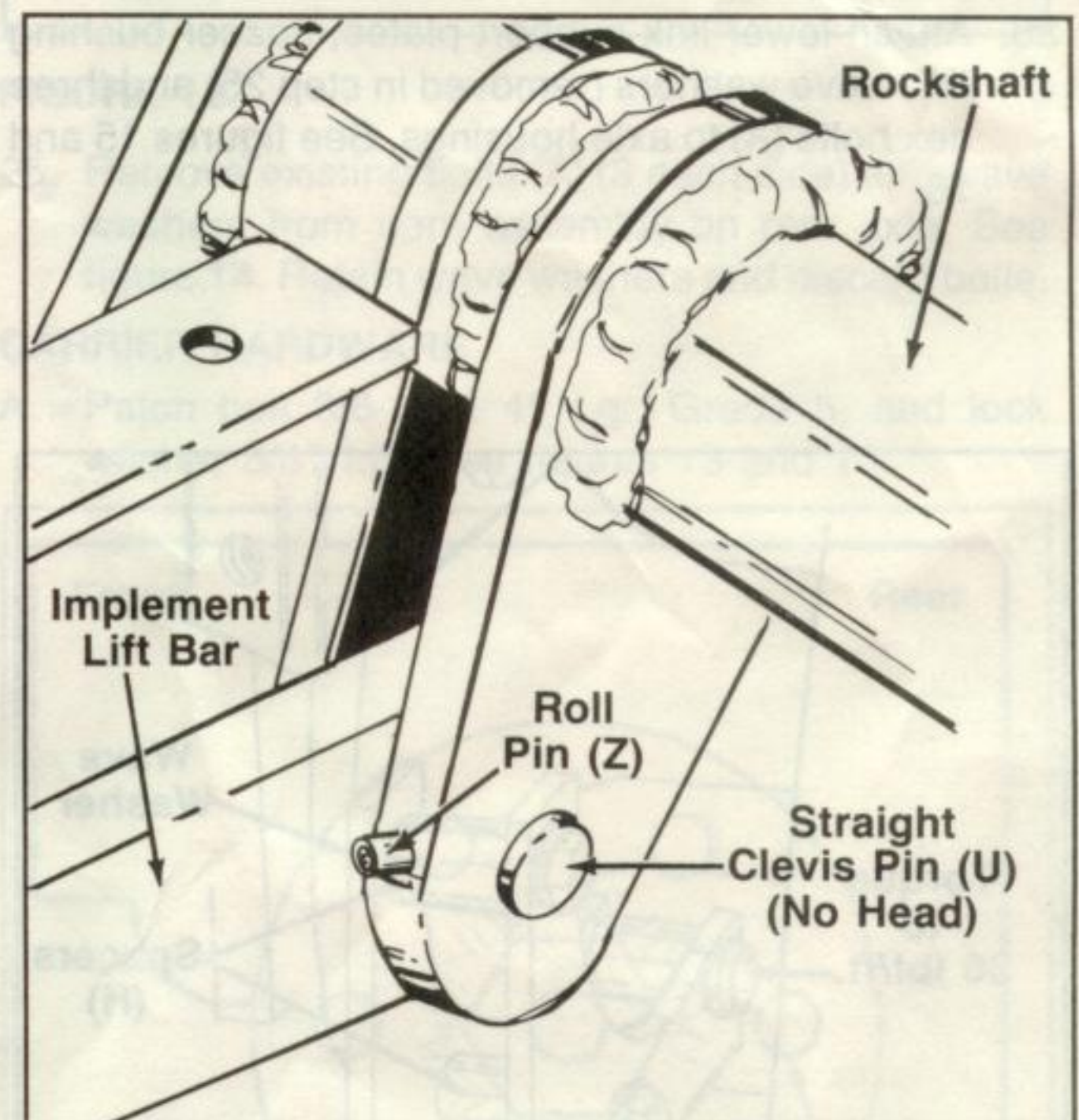


FIGURE 22.

32. Slide spacer (AH) onto center shoulder bolt, lubricate with 251 HEP grease or equivalent. See figure 23.



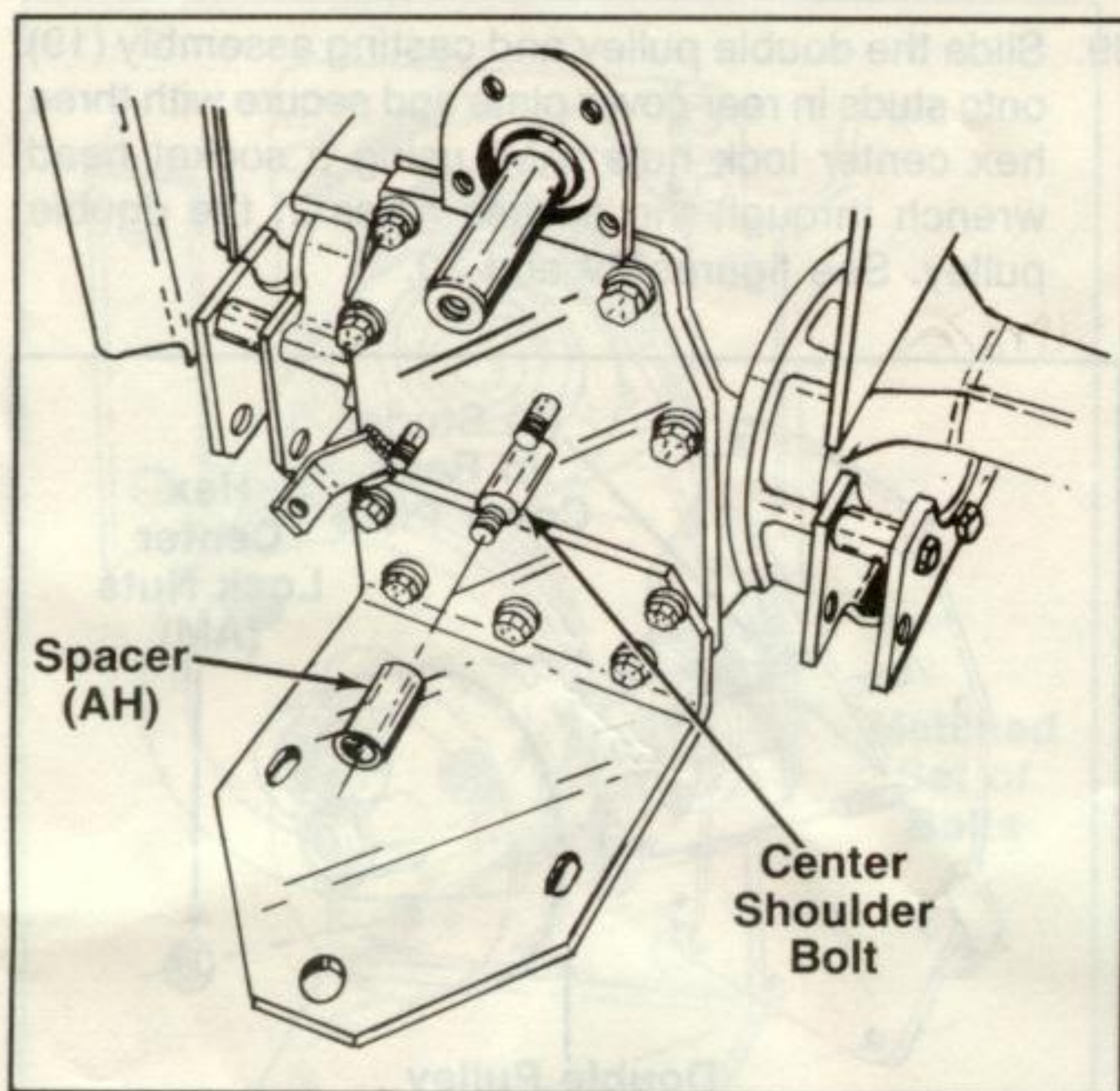


FIGURE 23.

33. Grease idler bracket assembly (18) hub before sliding over spacer (AH) using 251 HEP grease and secure with center lock nut (AM) and flat washer (AO). See figure 24.

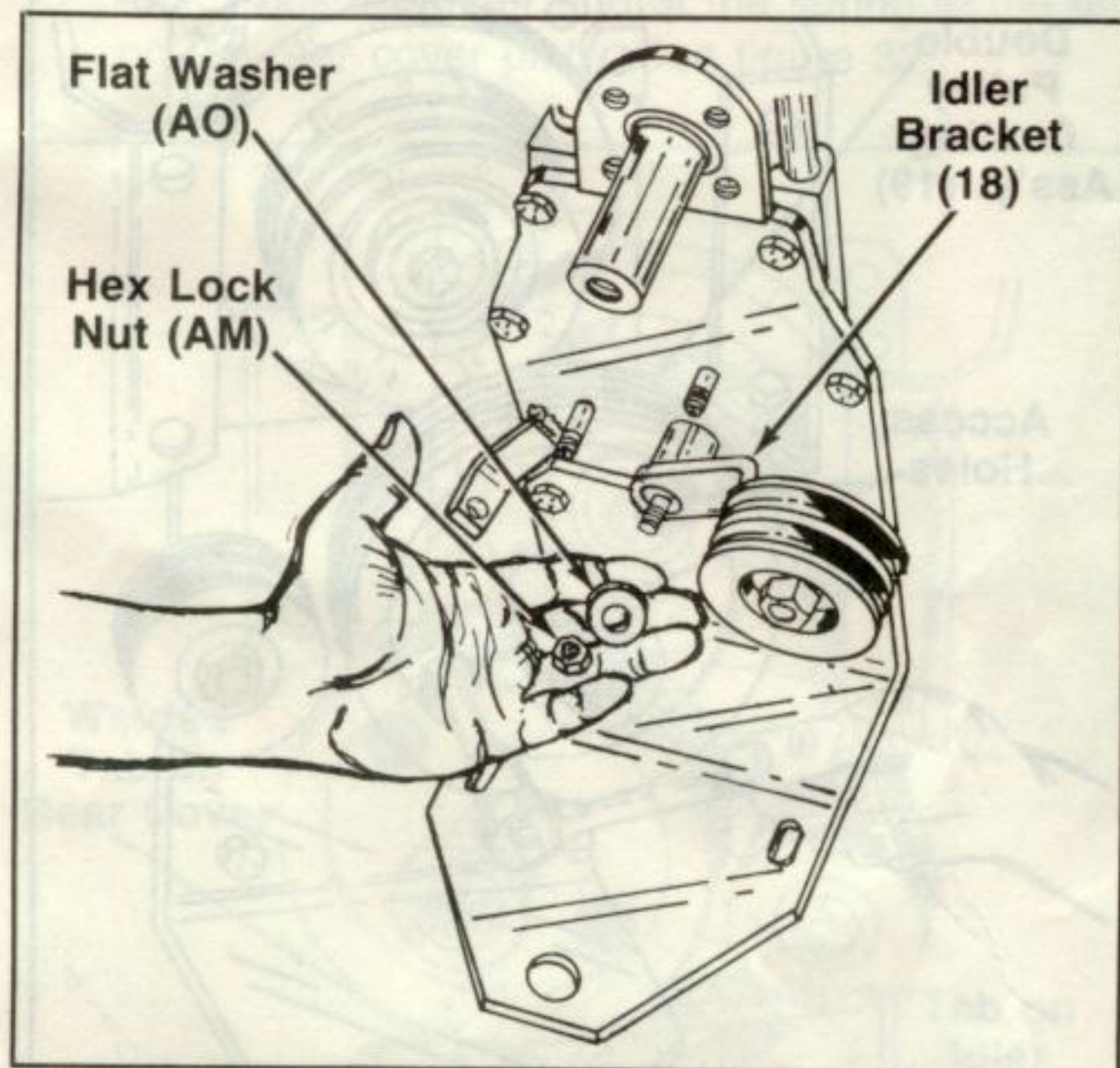


FIGURE 24.

34. Grease rear P.T.O. clutch shaft with 251 HEP grease or equivalent, then slide spacer (AJ) onto shaft and insert woodruff key (AE). See figure 25.  
NOTE: Seat key in shaft by tapping it in, using a rawhide or plastic mallet, block of wood, etc.

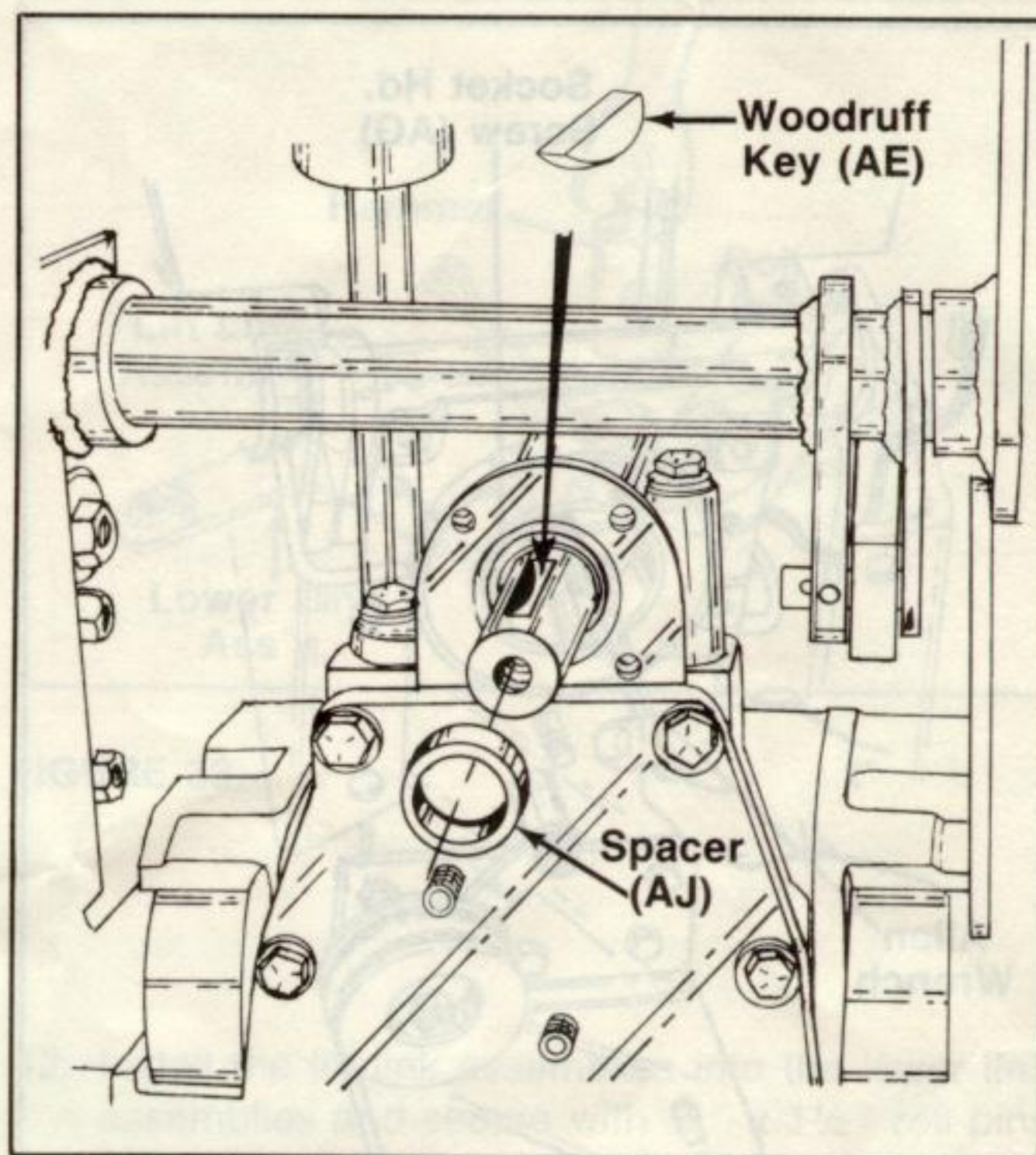


FIGURE 25.

35. Slide clutch field assembly (14) onto rear P.T.O. clutch shaft with clutch electrical connection on the left hand side and cutout in clutch field to the bottom as shown in figure 26.

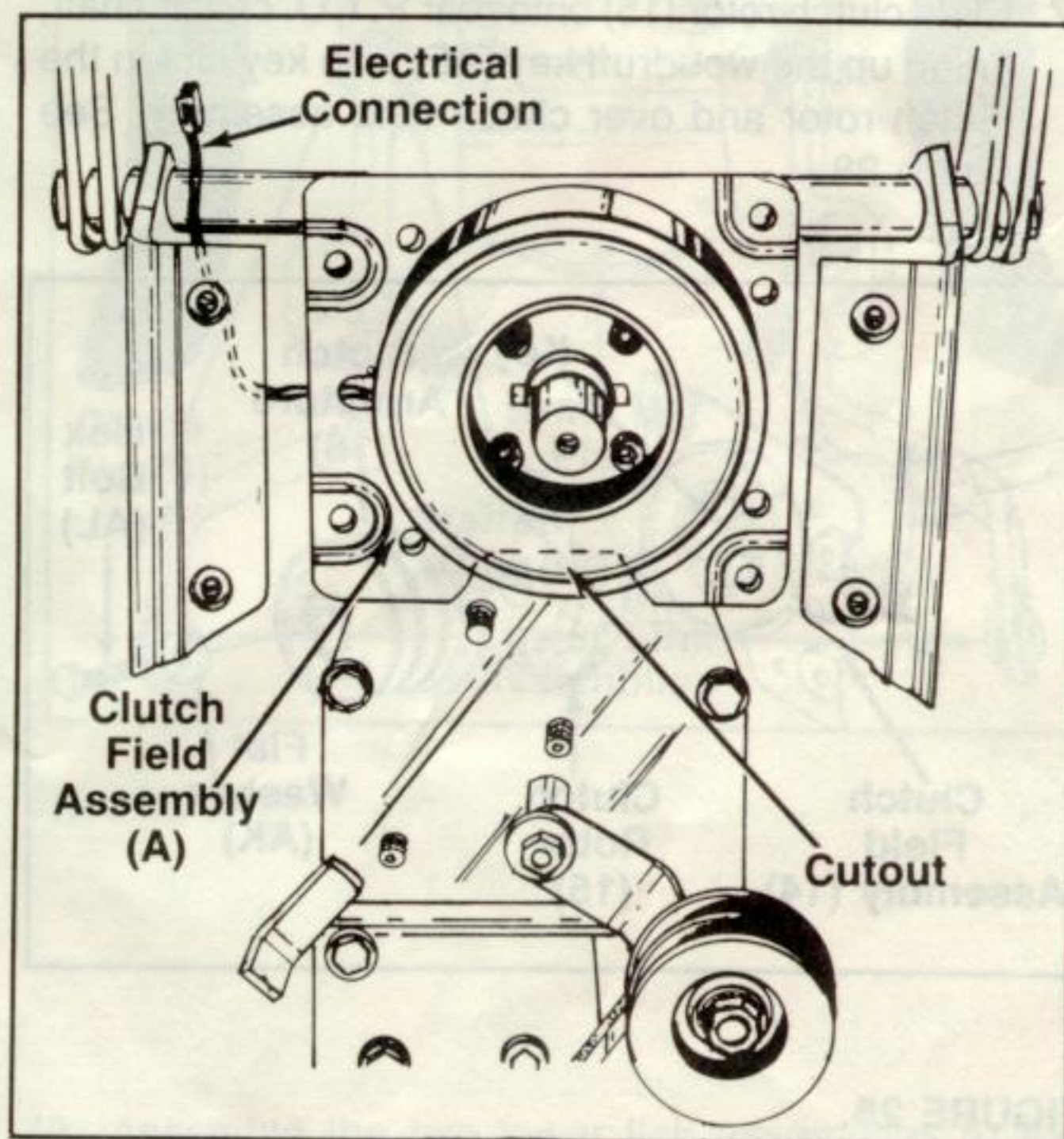


FIGURE 26.

36. Secure clutch field assembly to rear P.T.O. shaft casting with four socket head screws (AG) using an Allen wrench as shown in figure 27.



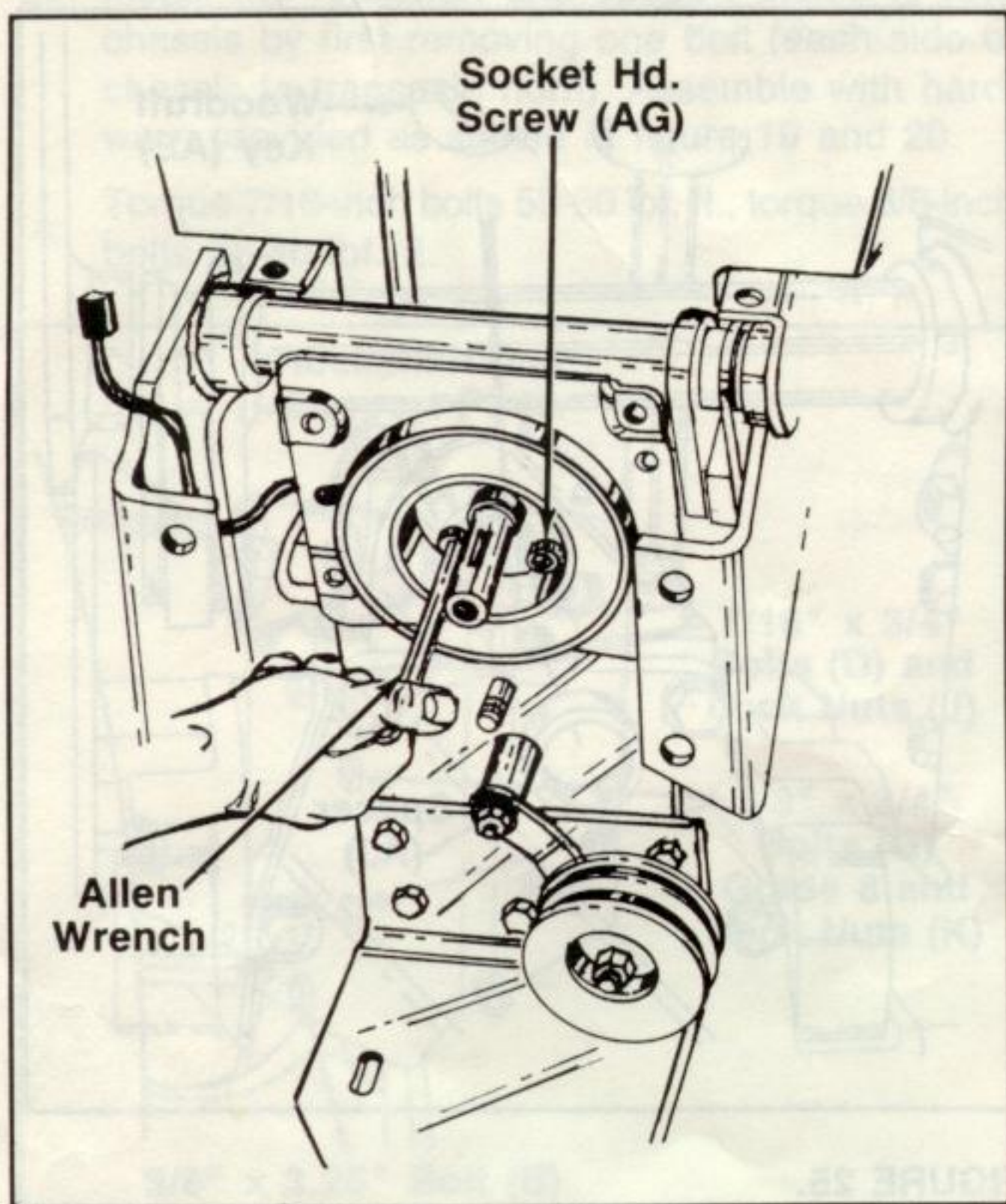


FIGURE 27.

37. Slide clutch rotor (15) onto rear P.T.O. clutch shaft, lining up the woodruff key (AE) with key slot in the clutch rotor and over clutch field assembly. See figure 28.

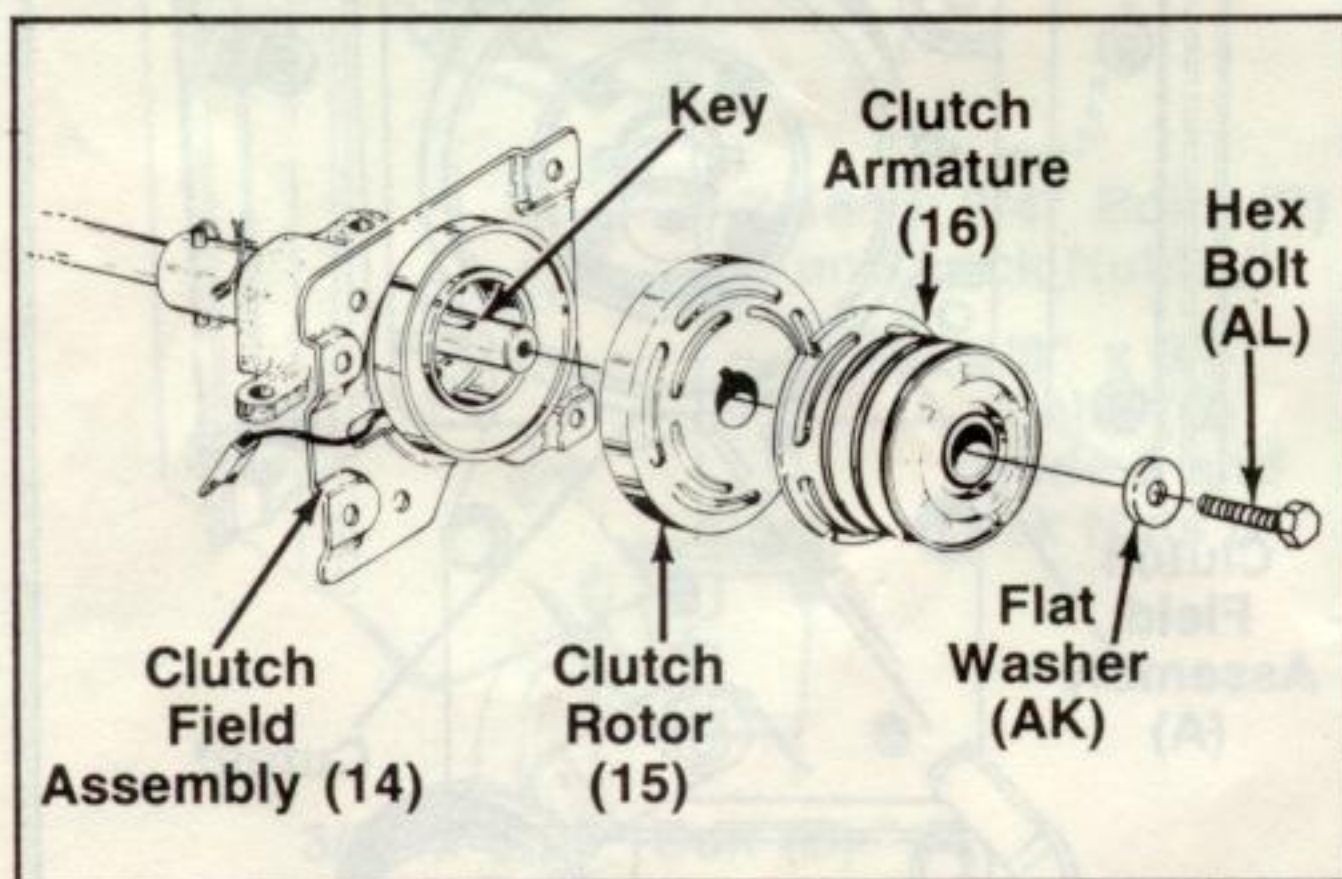


FIGURE 28.

38. Slide clutch armature (16) over rear P.T.O. clutch shaft and secure with large flat washer (AK) and hex bolt (AL). See figure 28. **NOTE: Use loctite on hex bolt (AL) prior to assembly.**

39. Slide the double pulley and casting assembly (19) onto studs in rear cover plate and secure with three hex center lock nuts (AM) using a socket head wrench through the access holes in the double pulley. See figures 29 and 30.

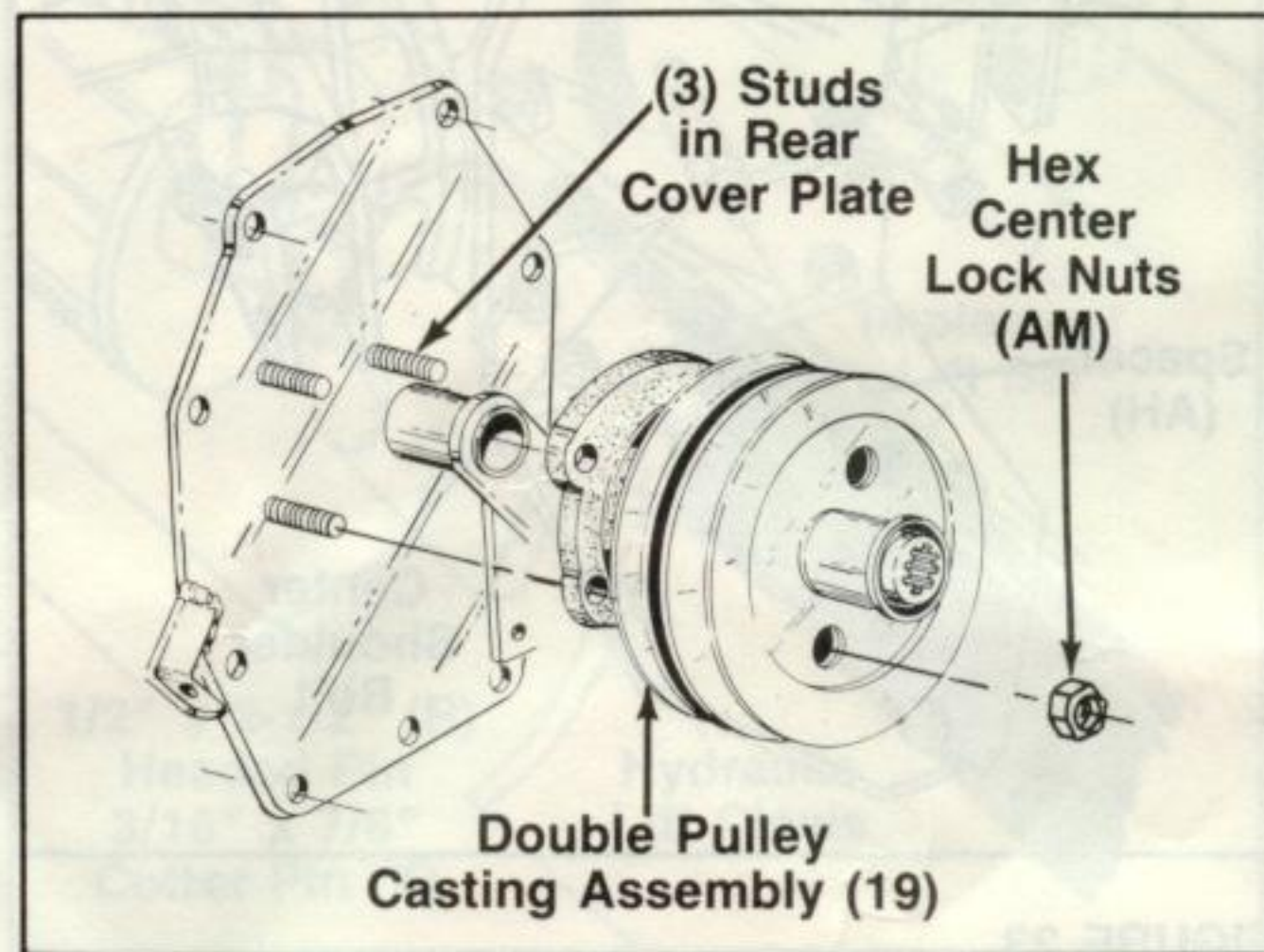


FIGURE 29.

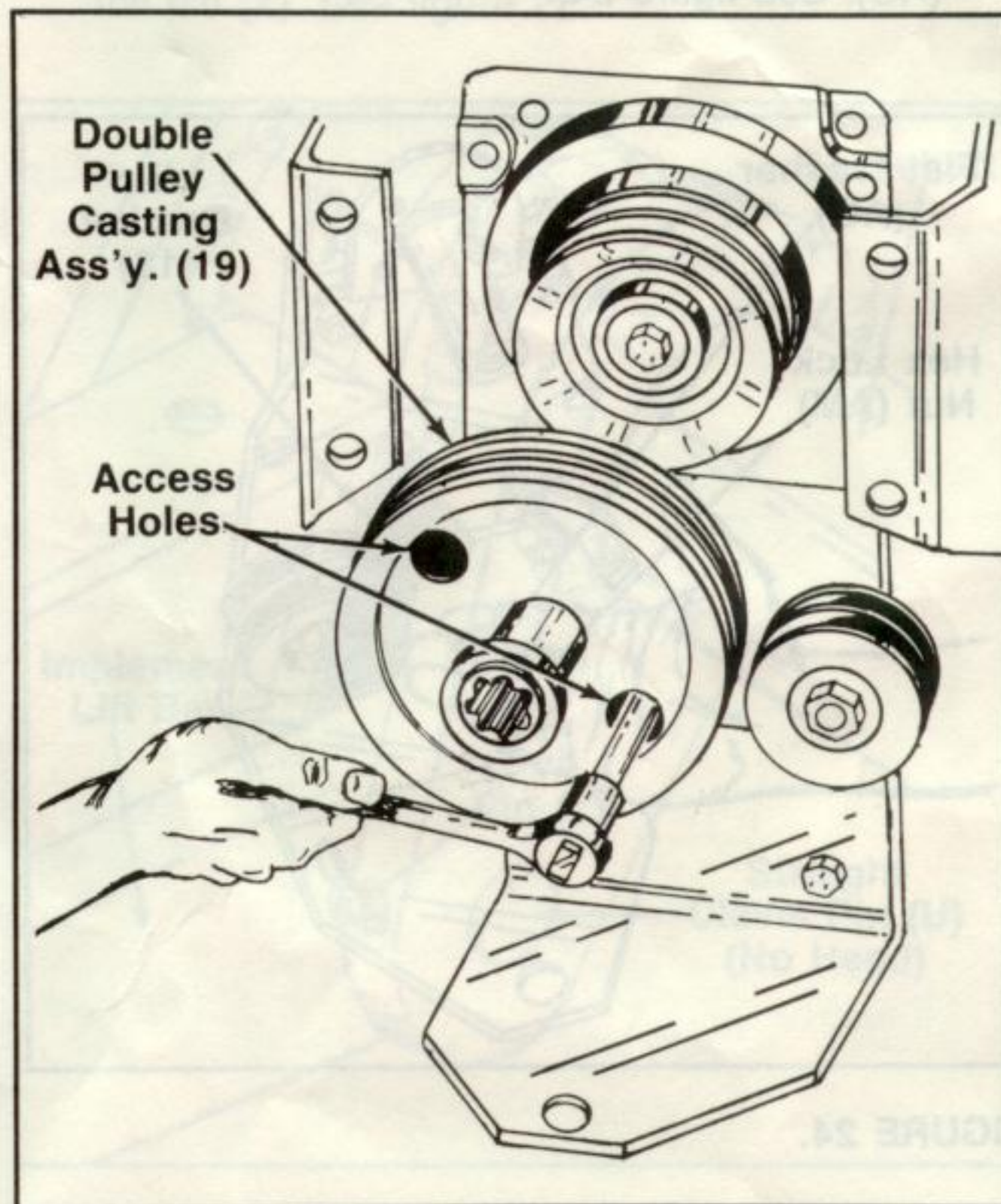


FIGURE 30.

40. Install matched set of belts (17) onto pulleys as shown in figure 31.



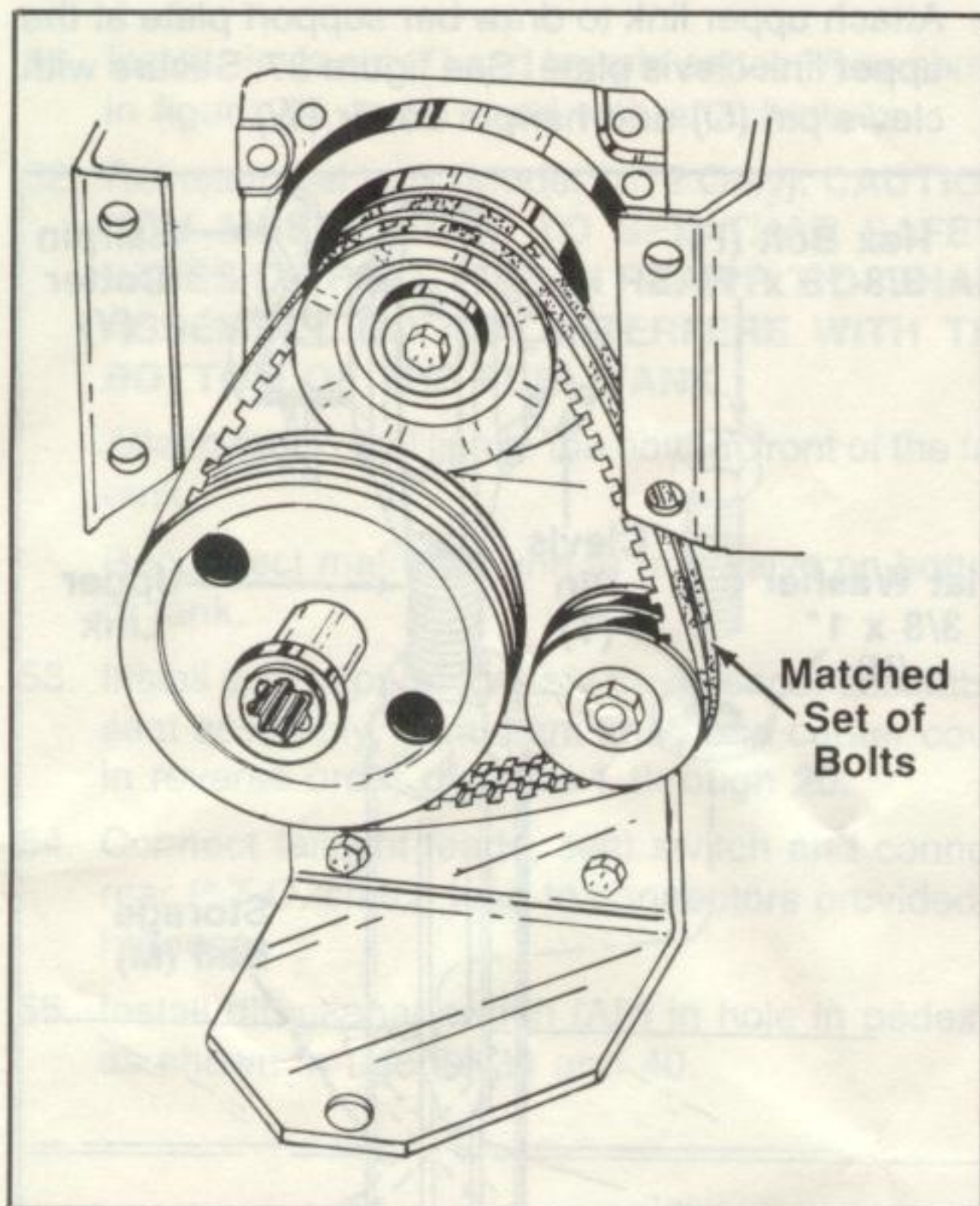


FIGURE 31.

41. Hook closed end of extension spring (AF) to welded tab on idler bracket assembly (18), using a suitable tool. Hook the other end of the spring to the tab on the rear cover plate. See figure 32.

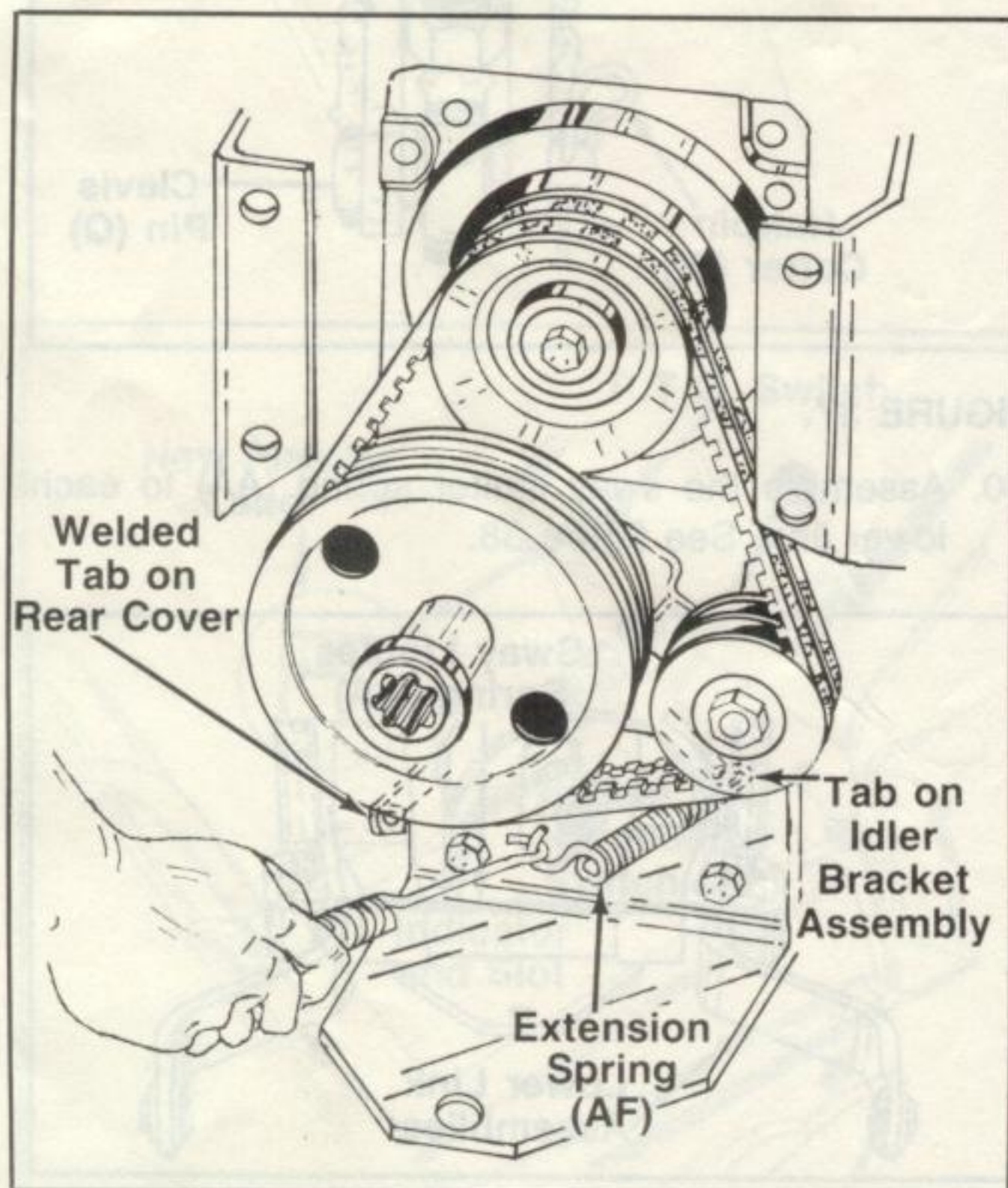


FIGURE 32.

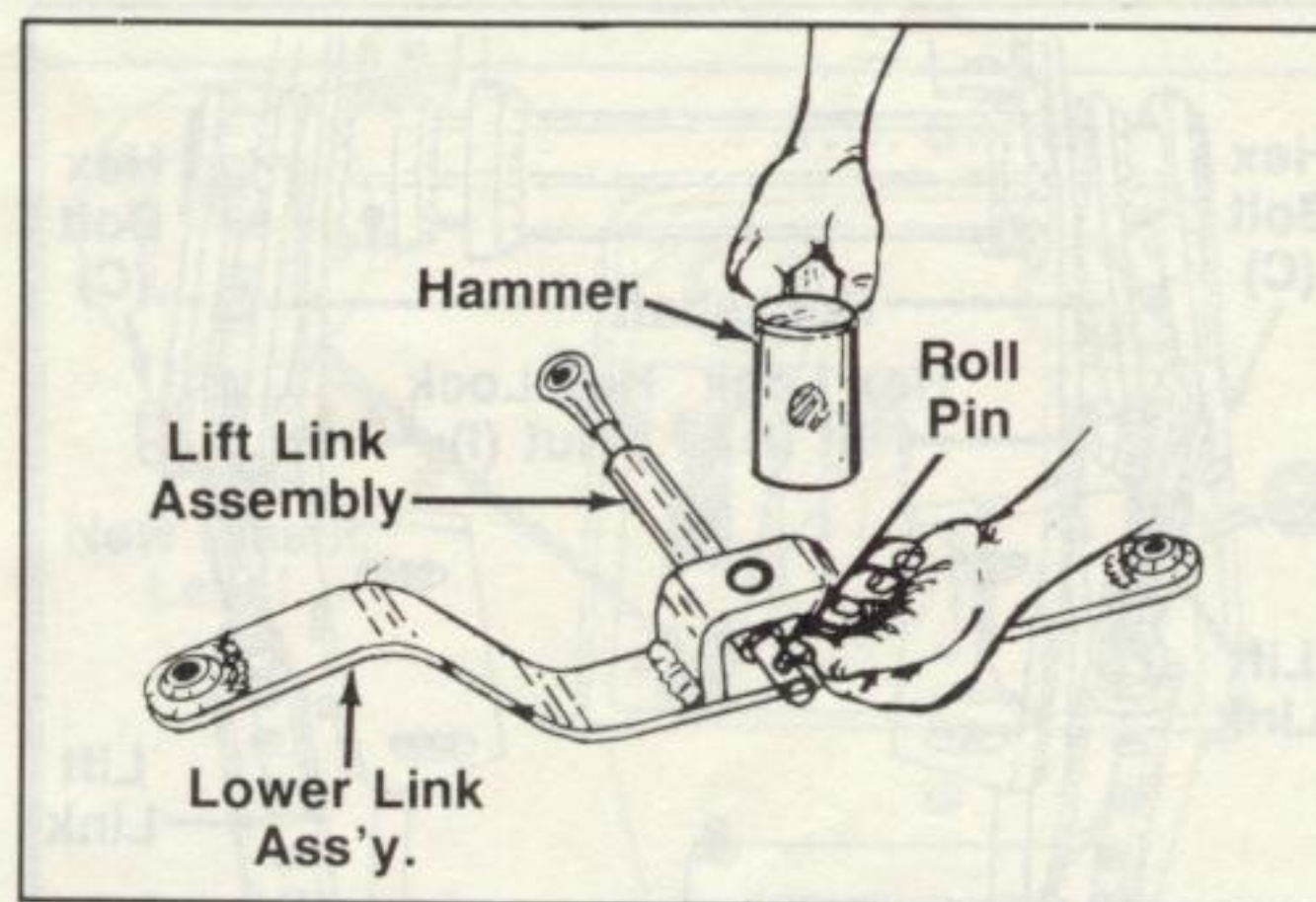


FIGURE 33.

42. Install the lift link assemblies into the lower link assemblies and secure with  $\frac{1}{4}$ " x  $1\frac{1}{2}$ " roll pins (Y). See figure 33.

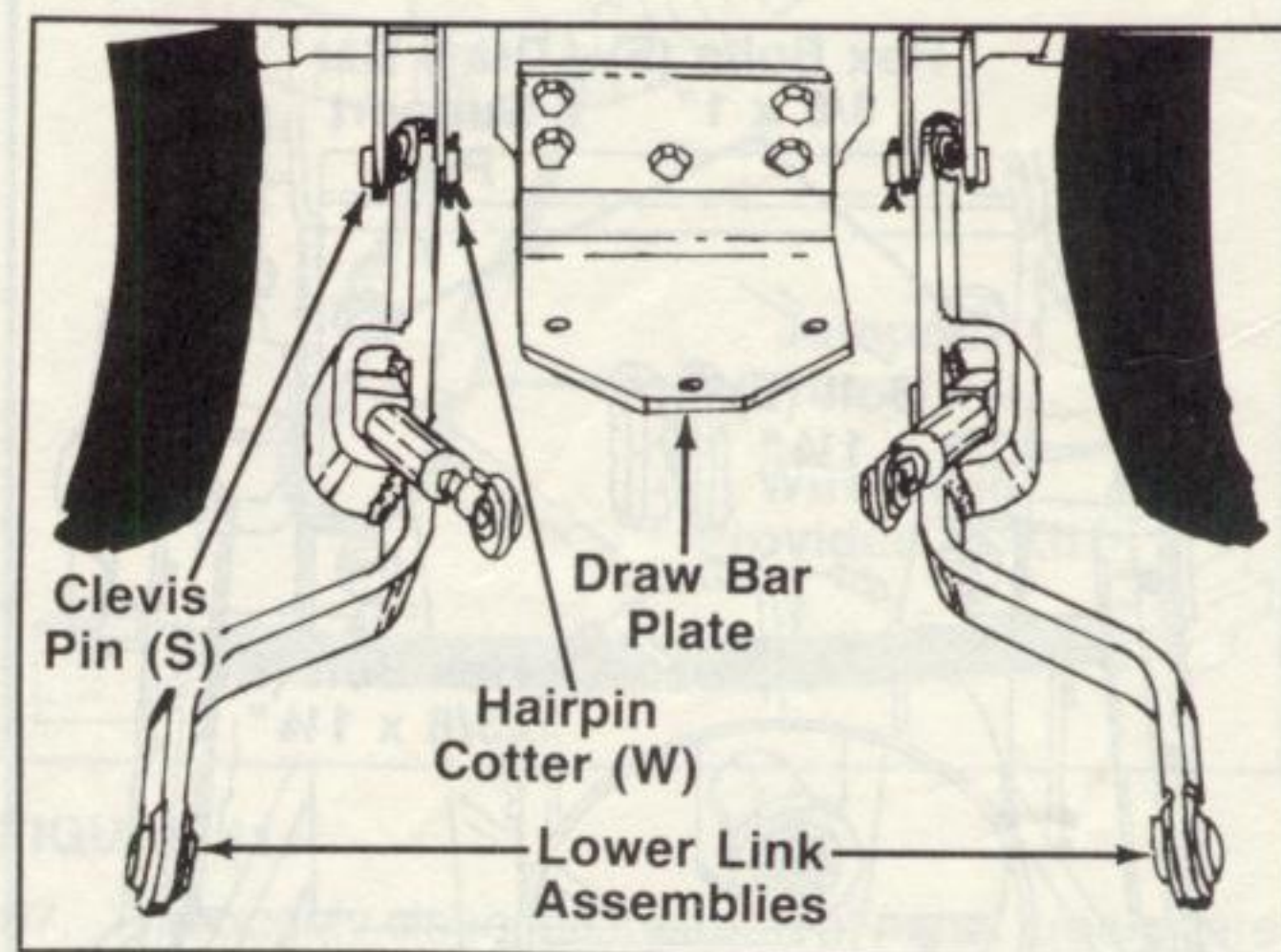
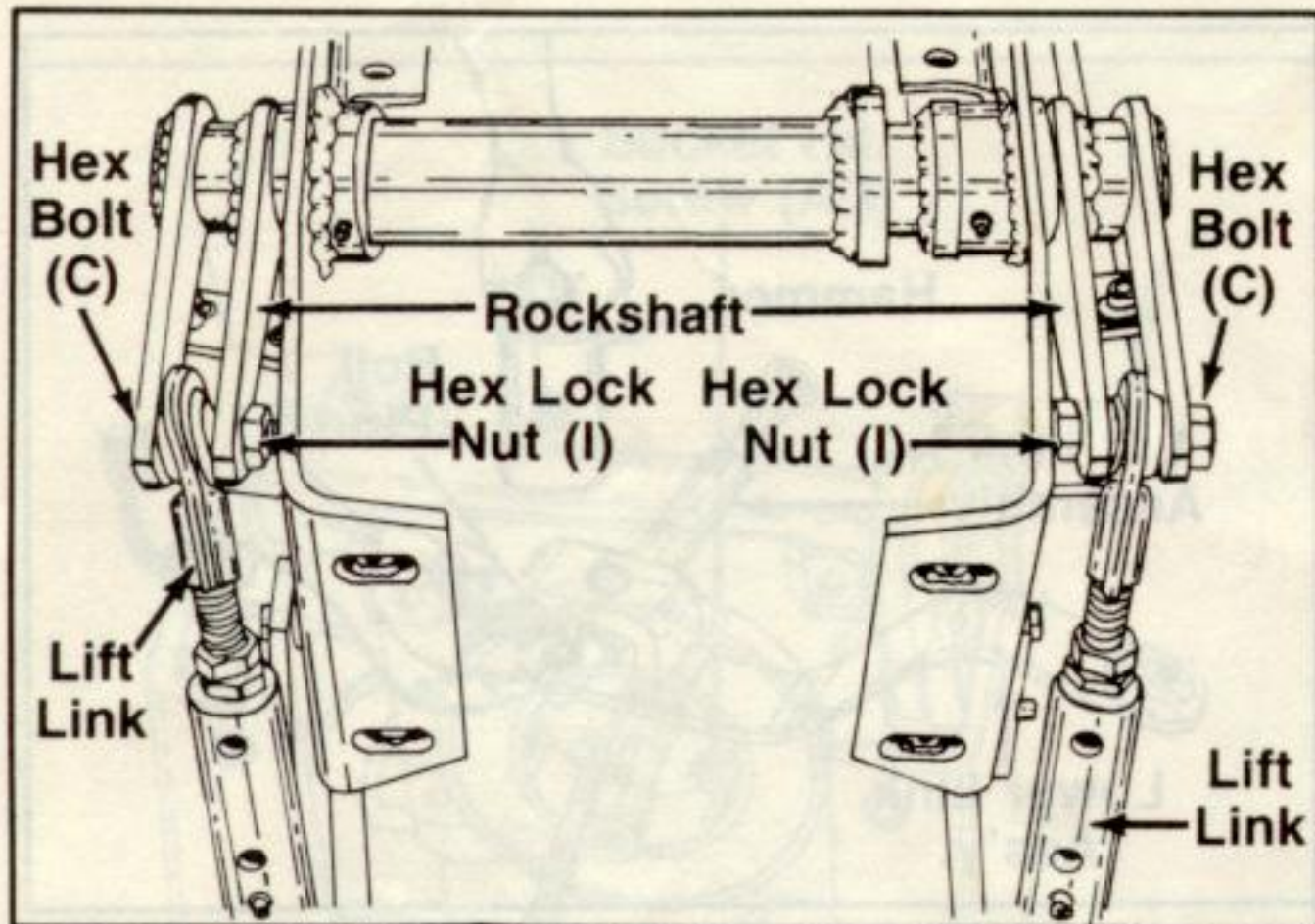


FIGURE 34.

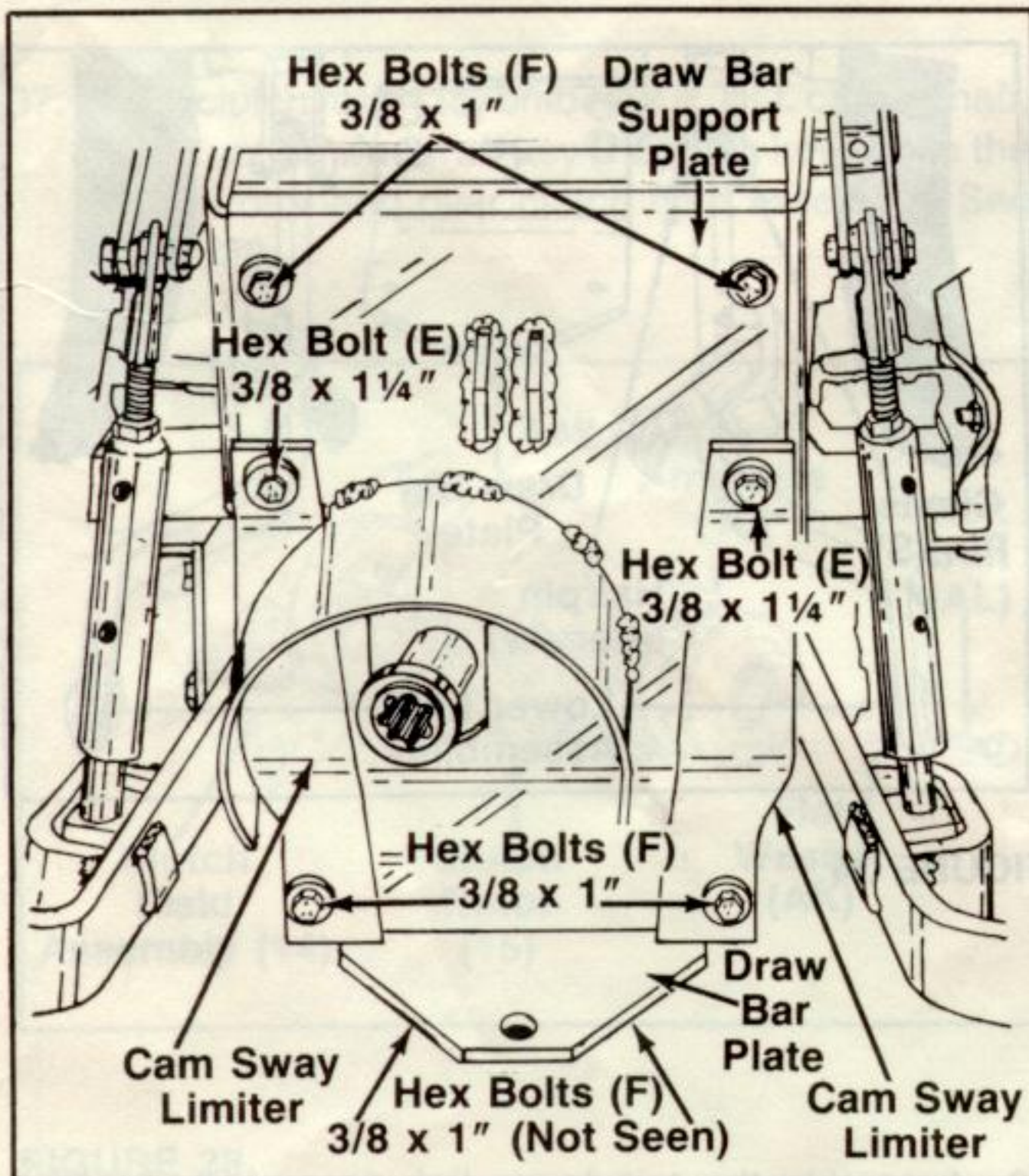
43. Assemble the two lower link assemblies to the lower support plates with clevis pins (S) and hairpin cotters (W). See figure 34.
44. Assemble the lift links to the rockshaft, using hex bolts (C)  $\frac{1}{2}$  x  $1\frac{3}{4}$ " long and hex lock nuts (I). See figure 35.





**FIGURE 35.**

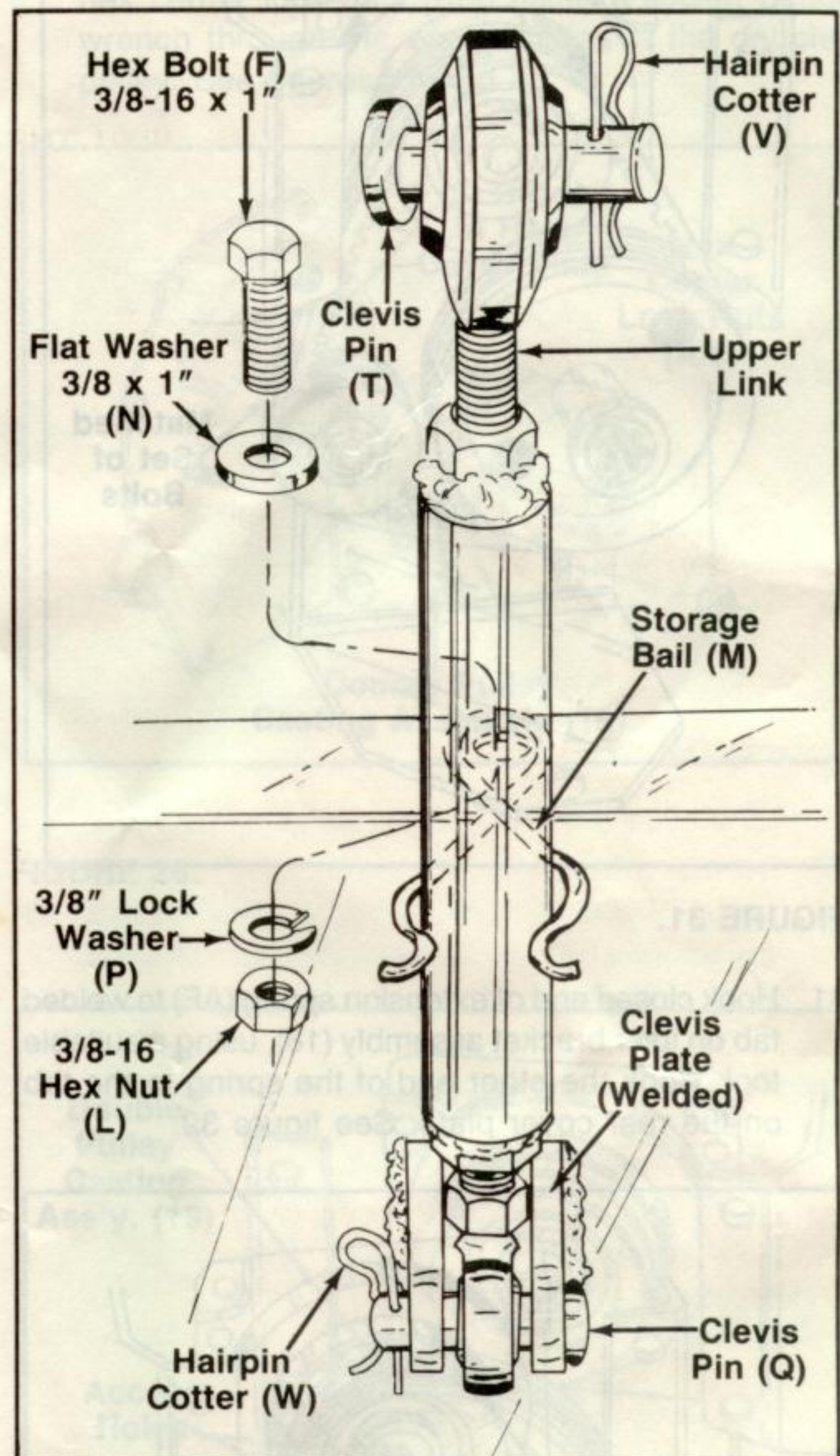
45. Assemble the draw bar support plate to the rockshaft support plates, with two hex bolts (F) 3/8" x 1" long and lock washers (P). Use top hole only. See figure 36.
46. Place the cam sway limiters in position as shown in figure 36. Secure the top holes with 3/8" x 1 1/4" bolts (E) and the bottom holes with 3/8" x 1" bolts (F). See figure 36.
47. Secure the draw bar support plate to the draw bar plate, with two hex bolts (F) (3/8" x 1" lg.) under draw bar. See figure 36.



**FIGURE 36.**

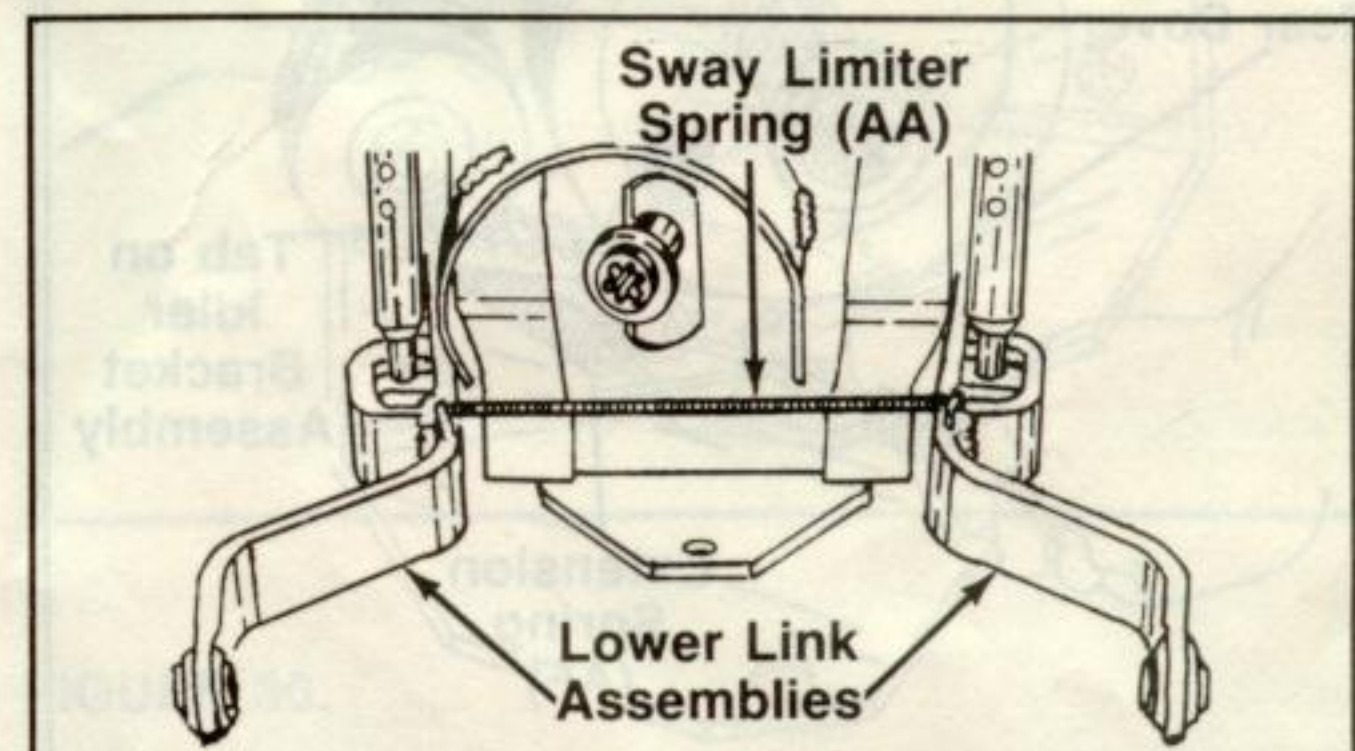
48. Attach upper link storage bail to draw bar support plate. Use 3/8 x 1" bolt (F), flat washer (N), lock washer (P) and hex nut (L). See figure 37.

49. Attach upper link to draw bar support plate at the upper link clevis plate. See figure 37. Secure with clevis pin (Q) and hairpin cotter (W).



**FIGURE 37.**

50. Assemble the sway limiter spring (AA) to each lower link. See figure 38.



**FIGURE 38.**



60. Reinstall the battery. (NOTE: On Models 1572 you must reassemble positive battery cable at this time.)
61. Fill rear axle with Cub Cadet hydraulic transmission fluid to the proper level on the dipstick.
62. Lubricate rockshaft with 251 HEP grease or equivalent No. 2 multi-purpose lithium grease.

#### ADJUSTING LIFT LINKS AND UPPER LINK

The lift links are adjustable to obtain the desired position of the lift links relative to one another. To adjust lift links, loosen jam nuts, insert around bar in hole in the lift link tube and turn the lift link tube clockwise to lengthen the link or counterclockwise to shorten.

When the desired length has been obtained, tighten jam nuts. See figure 42.

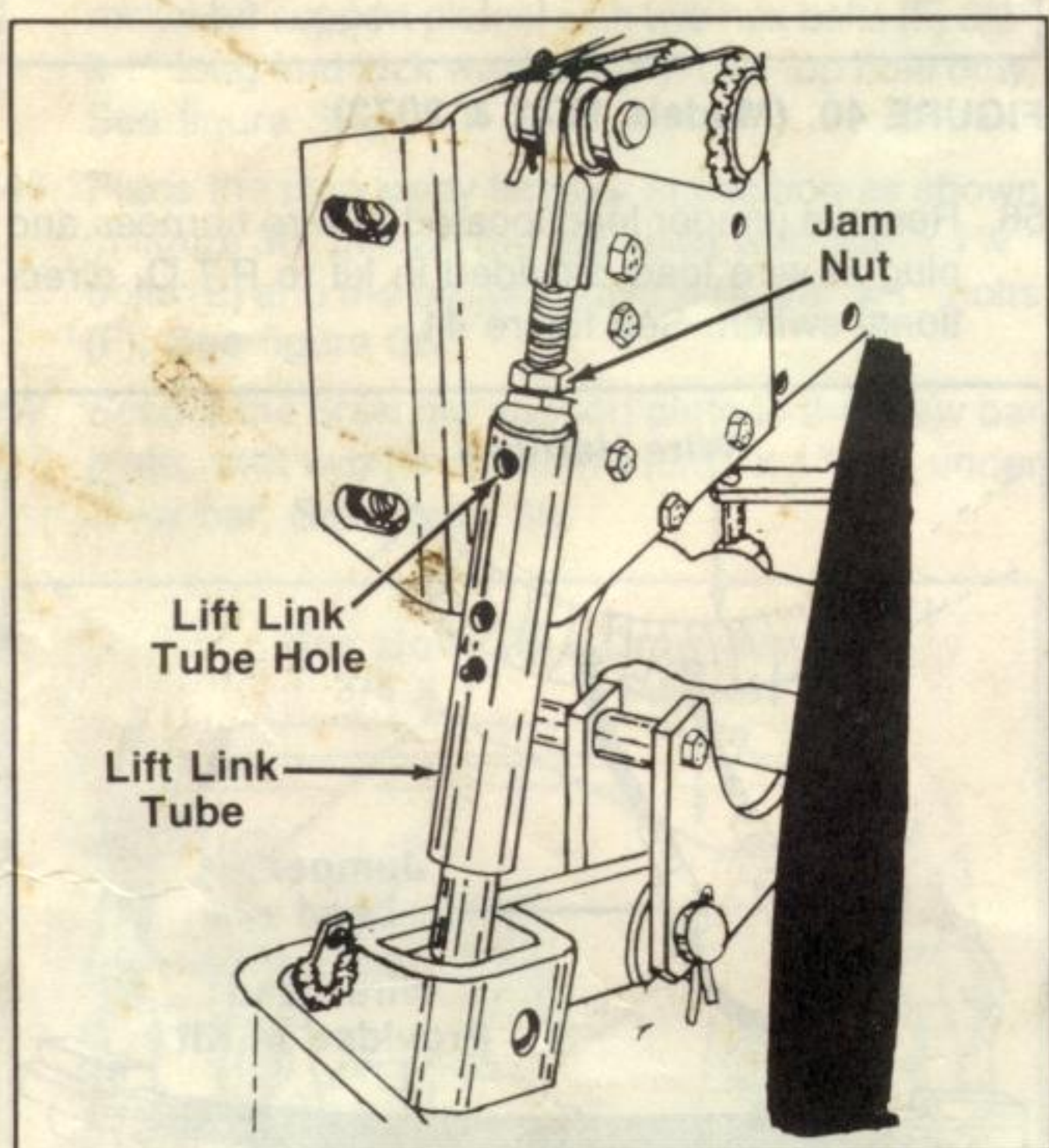


FIGURE 42.

The upper link is adjustable to provide a way to level an implement. Turn upper link ball counterclockwise to shorten the link or clockwise to lengthen the link. When the hitch is not in use the upper link should be placed in the storage bail. See figure 37.