

**INSTRUCTIONS FOR INSTALLING A DRIVESHAFT PINNED COUPLING REPLACEMENT  
KIT IN A NATIONAL VENDORS<sup>®</sup>, CROWN SEVENTY TWO<sup>®</sup>, GG-424 GRAND  
GOURMET FOOD MERCHANDISER**

**CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST  
IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT  
NATIONAL VENDORS' PARTS DEPARTMENT IMMEDIATELY.**

These instructions cover the procedure for installing a Driveshaft Pinned Coupling Replacement Kit in a Crown Seventy Two, GG-424 Grand Gourmet Food Merchandiser.

Read these instructions carefully and thoroughly before installing the Kit. Retain these instructions for part number and installation information.

Kit, Part Number 424-1272 contains the following parts:

Part Number	Description	Quantity
424-1052	Driveshaft Pinned Coupling	1
610-4219	Roll Pin	1
424-1271	Installation Instructions	1
	* * *	

Special Tools Required:  
3/32 Pin Punch

**NOTE**

*Section I of these instructions covers installation of the Driveshaft Pinned Coupling Replacement Kit in the module Driveshaft Assembly; Section II covers installation in the Tray Driveshaft Assembly. For Installation in the Cabinet Driveshaft Assembly, see Kit Number 4241314.*

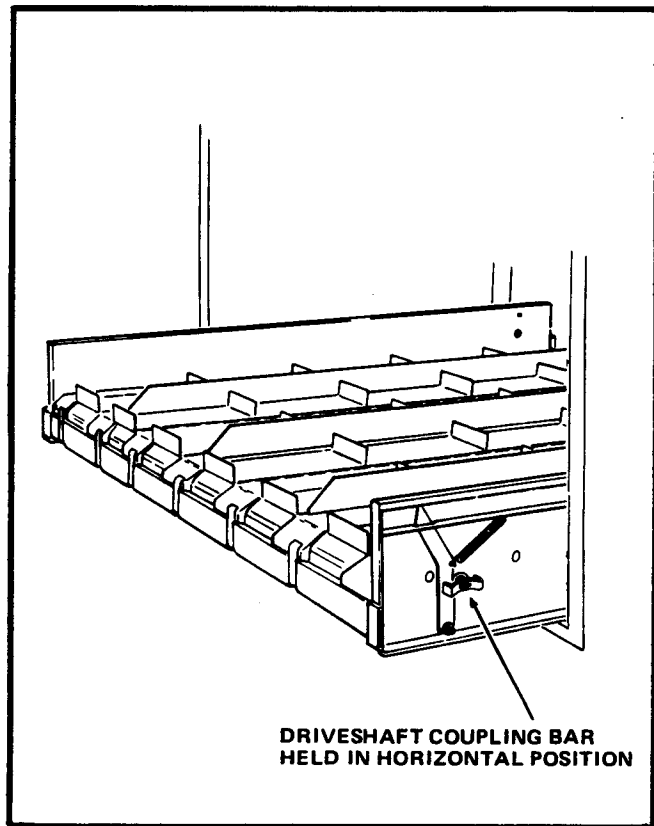
**TO INSTALL THE KIT**

**SECTION I  
INSTALLATION OF THE DRIVESHAFT PINNED  
COUPLING REPLACEMENT KIT IN THE MODULE  
DRIVESHAFT ASSEMBLY**

**A. PARTS REMOVAL**

1. Unlock and open the Monetary Compartment.
2. Move the Main Switch to the OFF position.
3. Fully open the Display Door.

4. Pull the Food Tray containing the Merchandise Module with the defective Driveshaft Pinned Coupling until it reaches a stop.
5. Check to see that the Drive Shaft Coupling Bar on the right side of the Food Tray is locked in the horizontal position by the Drive Shaft Lock, as shown in Figure 1.
6. Remove the Product Dividers to the left and right of the Module being removed. The Modules at either end of the Food Tray have a Product Divider on only one side.



**FIGURE 1**

- a. Pull the Product Divider forward and lift the Front Tab on the Divider out of the slot in the Front Tray Cover. See Figure 2.
  - b. Push the Product Divider back gently and lift the Rear Tab on the Divider out of the slot in the Tray Cover Spring. See Figure 2.
7. Remove the Tray Cover Assemblies to the left and right of the Module being removed.
- a. Push up and back on the front of the Front Tray Cover. See Figure 3.
  - b. Push the Front Tray Cover back, lift up, then pull forward so that the Tray Cover Assembly will slide over the Front Flange on the Module. See Figure 3.
  - c. Pull the entire Tray Cover Assembly out. The Tray Cover Spring may not slide out with the assembly; if not, it may be lifted straight out. The end Tray Cover Assemblies on each Food Tray do not have a Tray Cover Spring.
8. If the Module to be removed is linked to either the Module to its left or the Module to its right, slide the Forward Sprocket Gears all the way to the right. See Figure 3.
9. Grasp the Module being removed in the locations shown in Figure 3.
  10. Lift the front of the Module up and pull the Module out.
  11. Remove the Forward Sprocket Gear from the removed Module.
  12. Compress both of the Rear Spring Loads on the removed Module, as shown in Figure 4, and rest them against the Plastic Studs on either side of the Module.
  13. Fold back one of the Belt Dividers near the front of the Module. See Figure 4.
  14. Grasp the Product Belt to the front and rear of the folded Belt Divider and push the Belt together as shown in Figure 5.
  15. Pull the Front Section of the Product Belt up and towards yourself. The Product Belt will come apart. See Figure 5.
  16. Remove the Belt Divider.

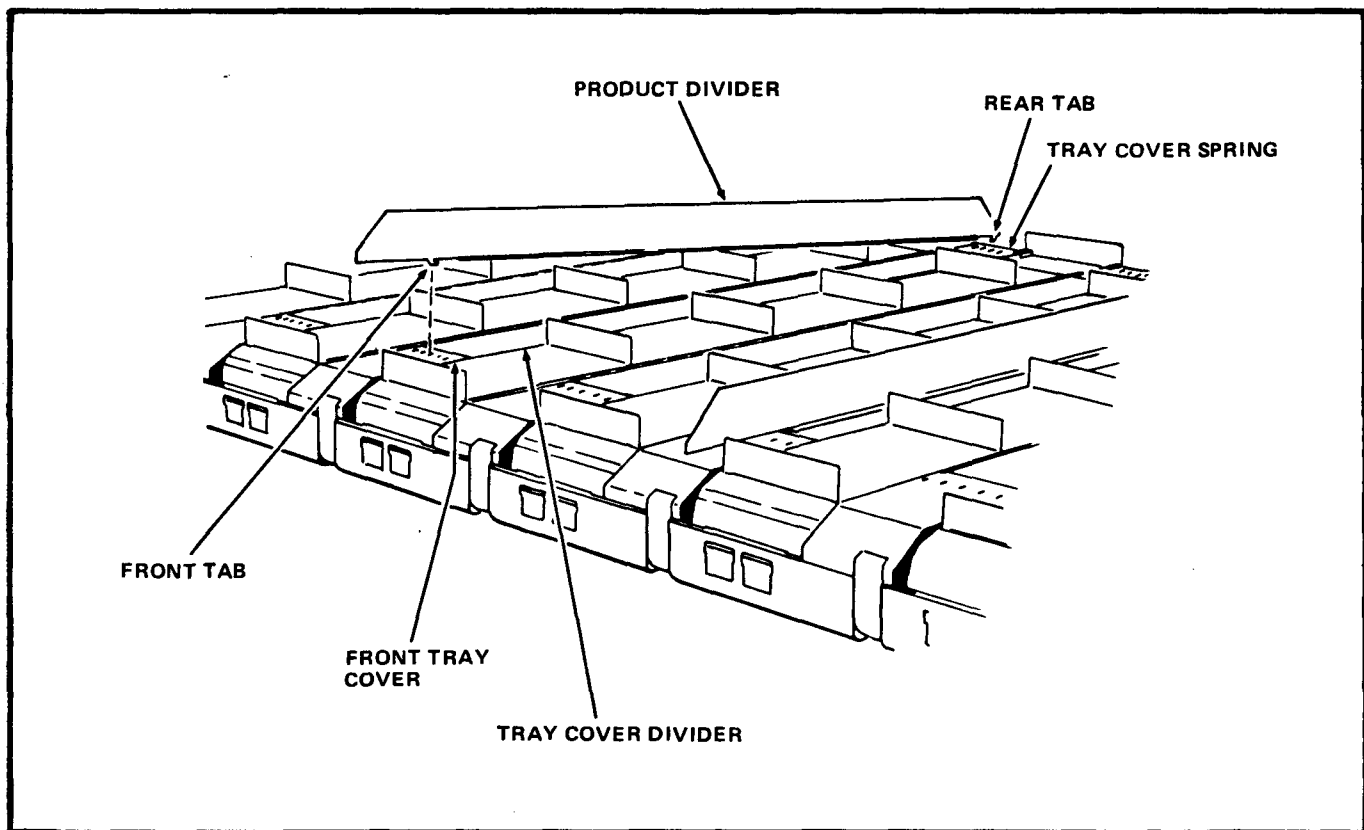


FIGURE 2

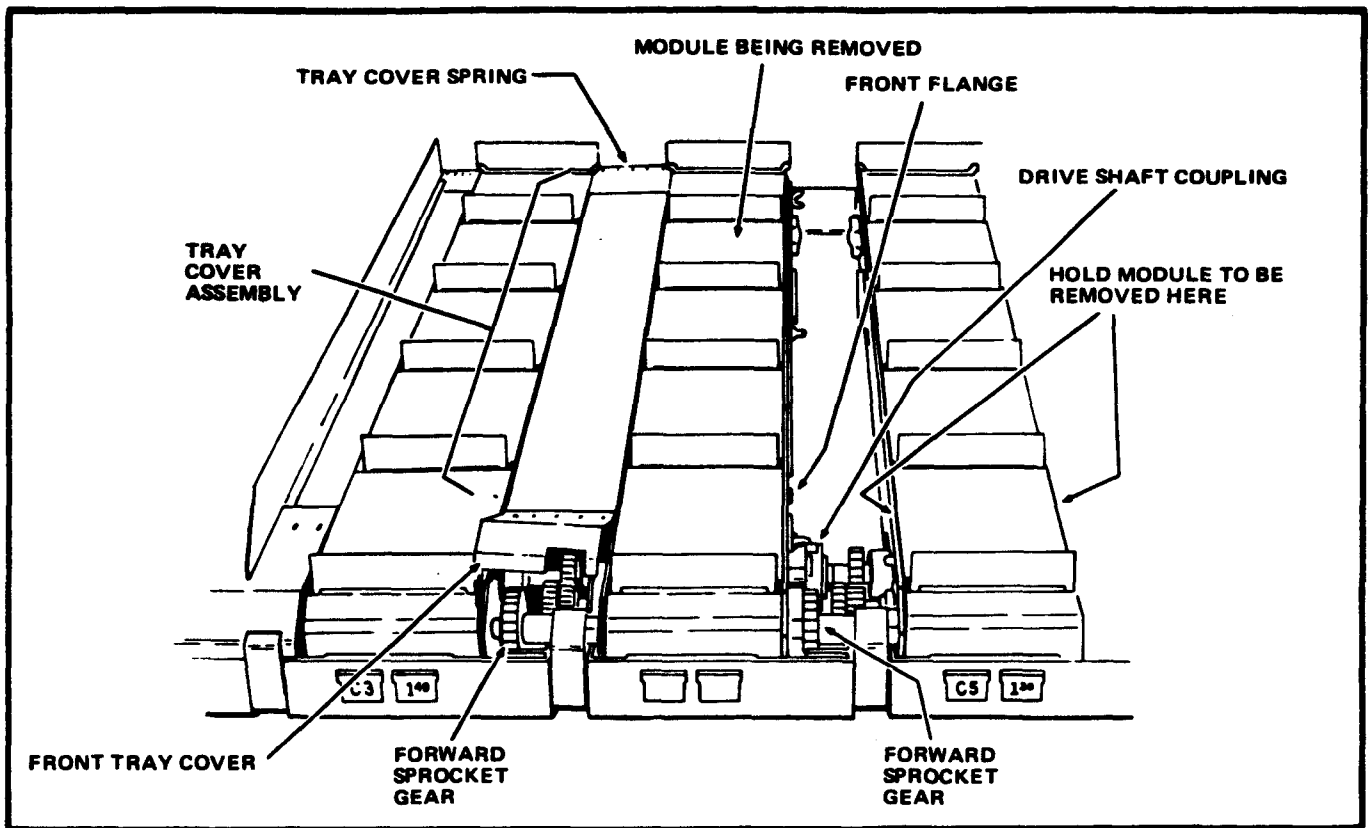


FIGURE 3

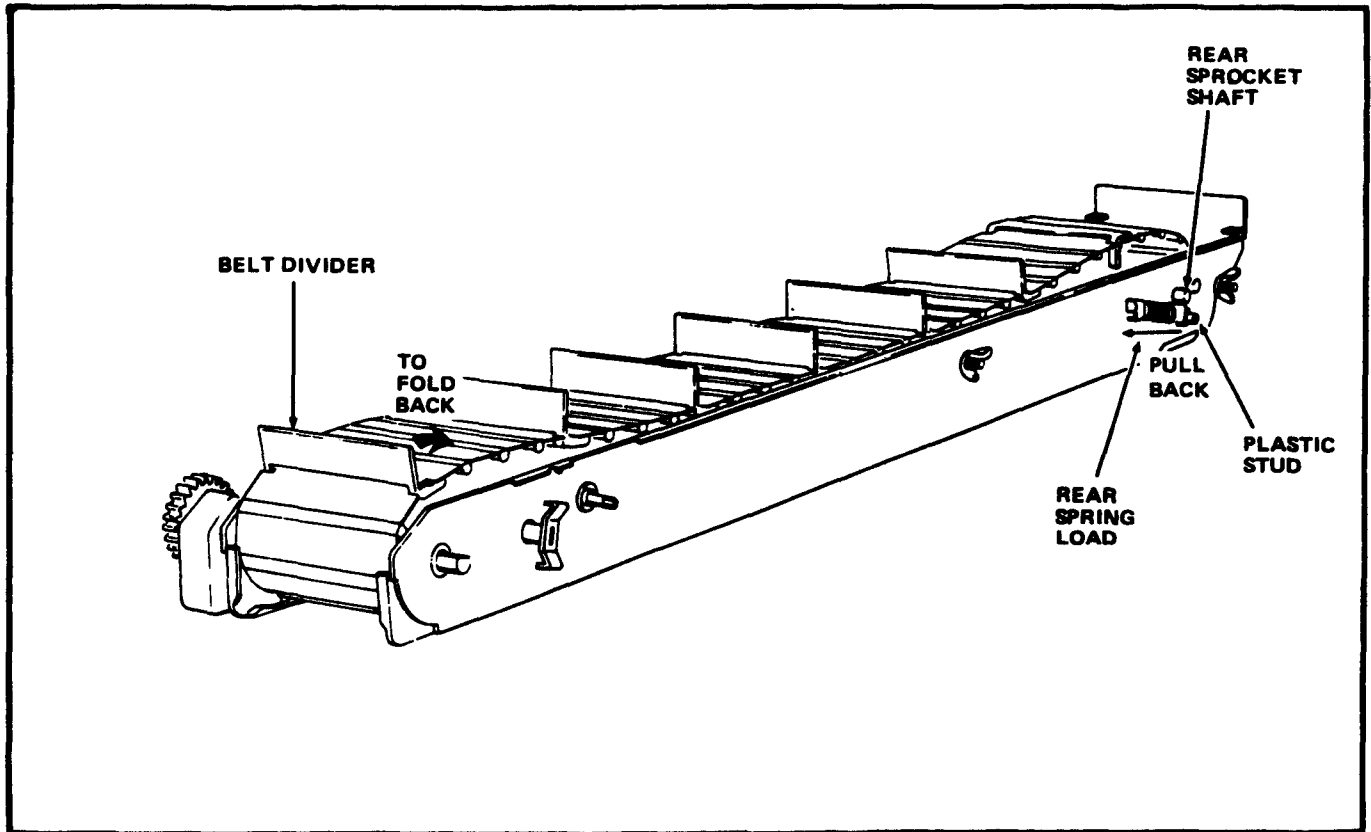


FIGURE 4

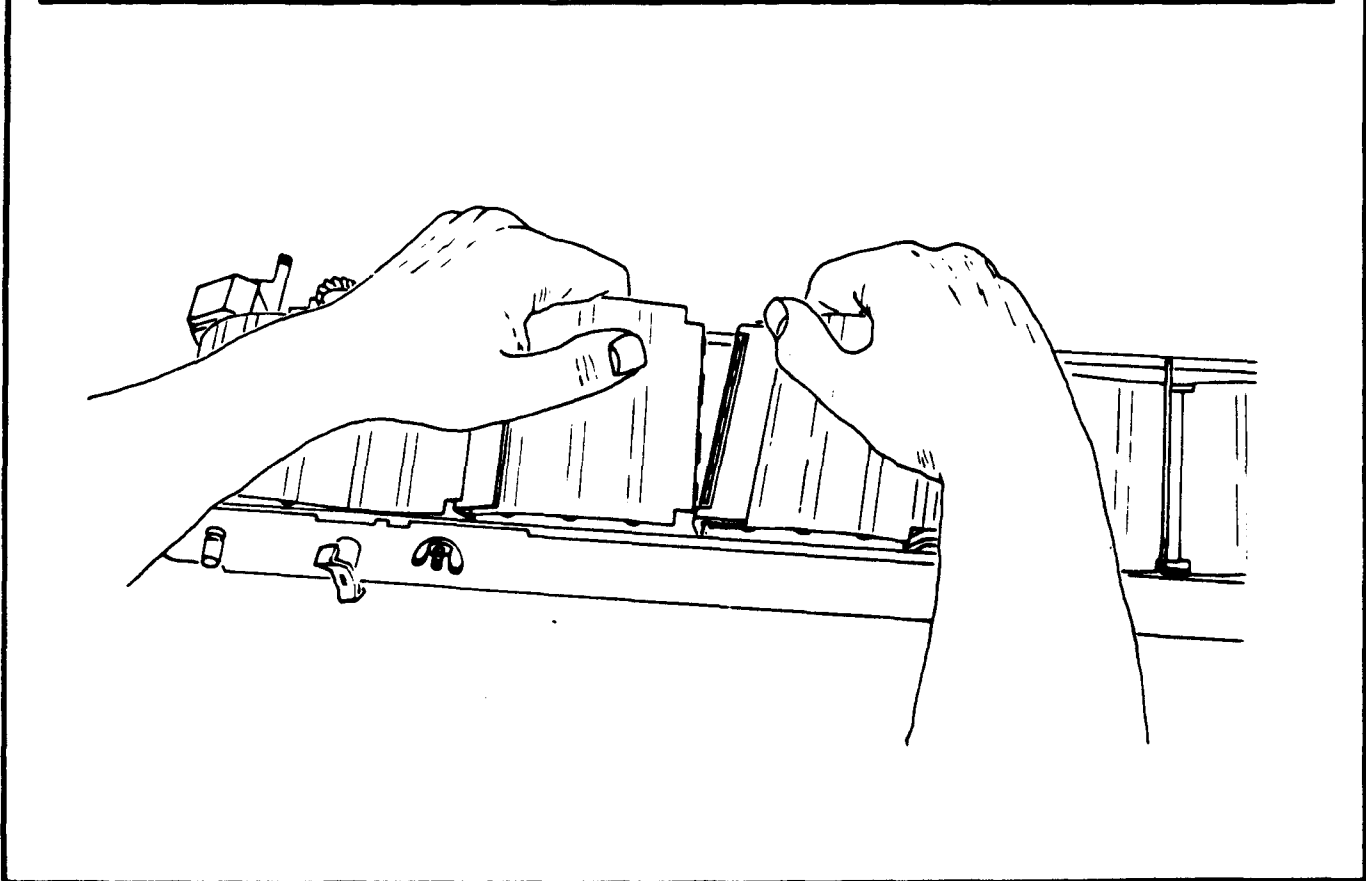
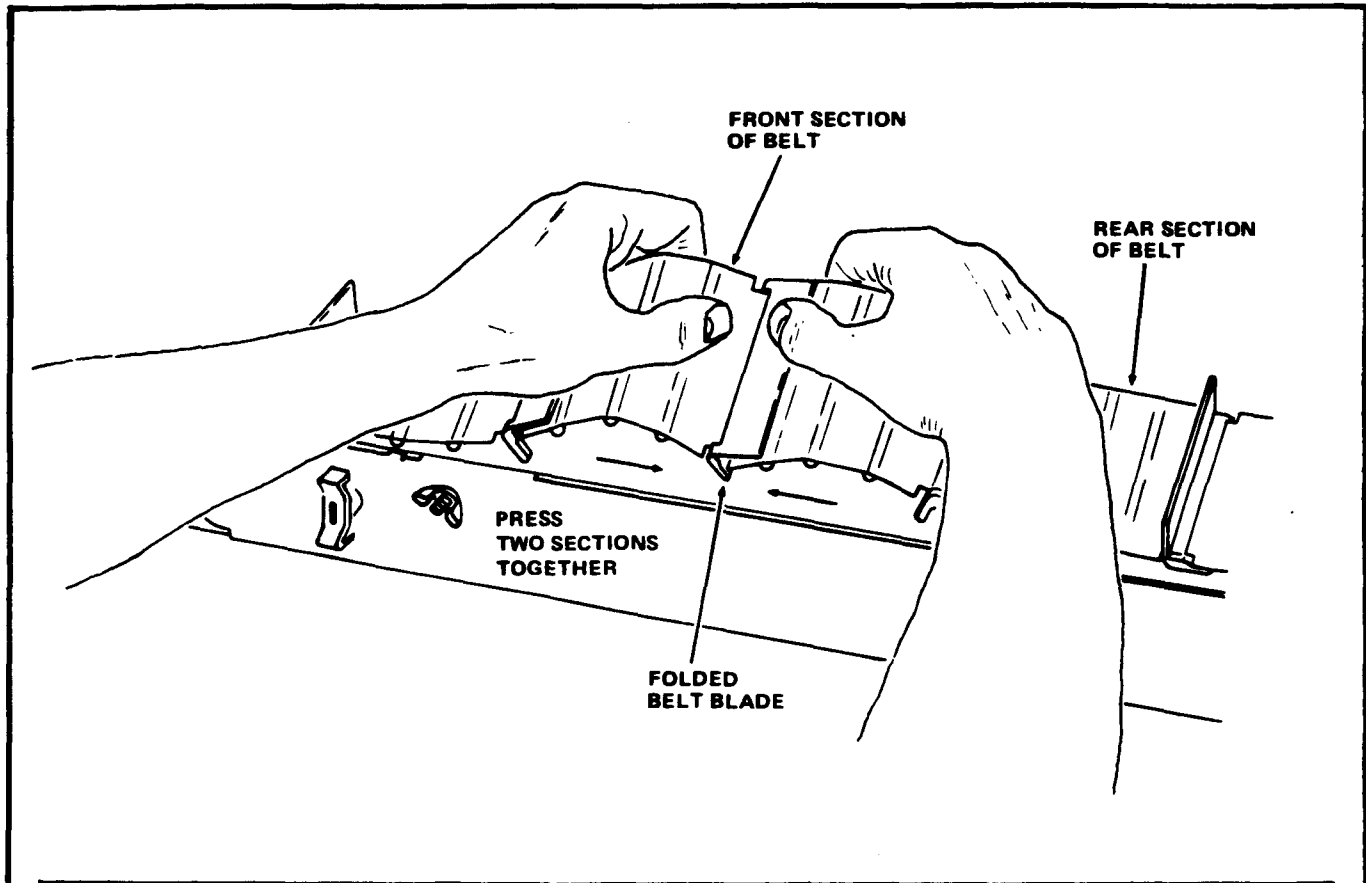


FIGURE 5

**CAUTION**

Always pull the Product Belts in a Forward direction; on the top side, from the rear of the Module to the front.

Never pull the Belts backwards; from the front of the Module to the rear. Pulling the Belts backwards can break the Belt Blades.

17. Place the palm of your hand on the front section of the Belt as shown in Figure 6 to guide the Belt through the Module, and pull forward on the back section of the Belt to remove it from the Module.
18. Remove the Driveshaft Retainer located behind Front Sprocket Shaft on the Left Side Rail of the Module Assembly.

**CAUTION**

Avoid applying excessive force when removing the Driveshaft Retainer; otherwise, the plastic Retaining Post may be broken.

- a. Insert a screwdriver blade into the Idler Gear Cavity beneath the Driveshaft Retainer and apply upward pressure to lift the Driveshaft Retainer off of the Retaining Post. See Figure 7a.

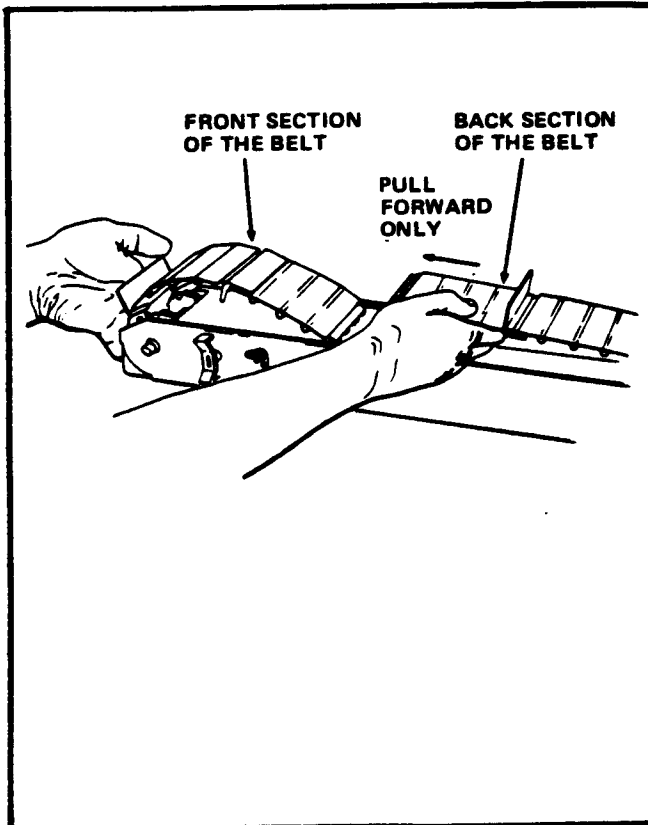


FIGURE 6

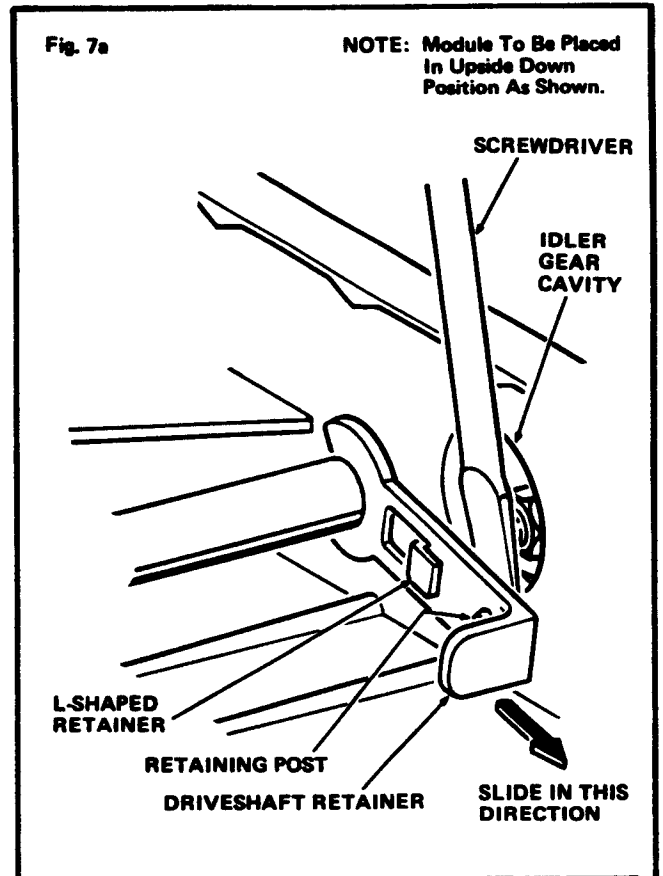


Fig. 7a

NOTE: Module To Be Placed In Upside Down Position As Shown.

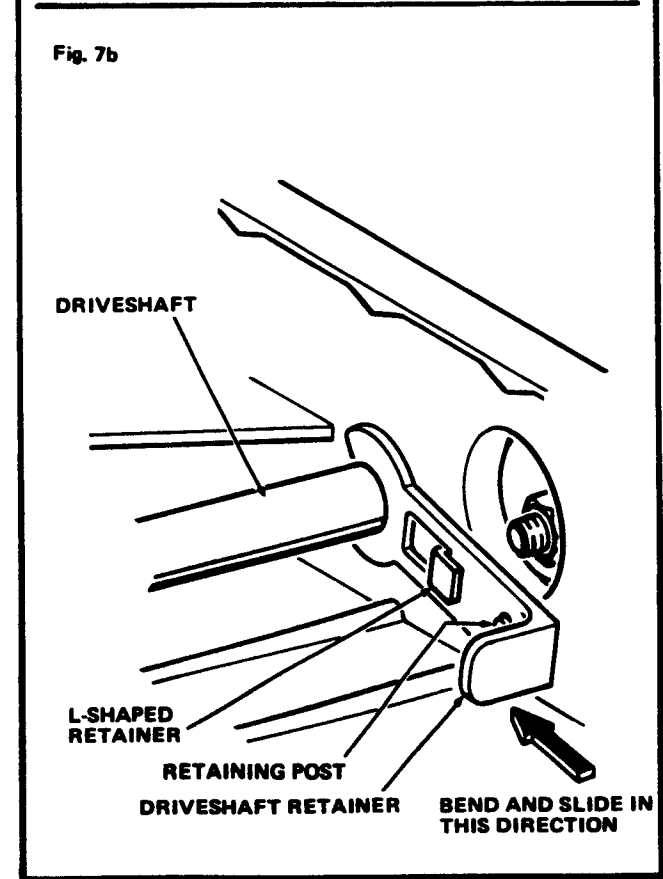


Fig. 7b

FIGURE 7

- b. Pull the Driveshaft Retainer forward and then lift upward, over the L-shaped Retainer, to remove it from the Module Assembly. See Figure 7a.

19. Remove the Slotted Driveshaft Coupling from the Module Driveshaft Assembly. See Figure 8.

**NOTE**

*Step A-20 is to be followed only if the Module Assembly from which the Driveshaft Pinned Coupling is being removed is equipped with a 6 inch (5 Product) Belt.*

20. Remove the Idler Gear Shaft, Idler Gear, Idler Gear Shaft Locator, Idler Gear Washer and one attaching Nut from the Module Assembly. See Figure 8.
21. Pull the Module Driveshaft Assembly from the Module Assembly. See Figure 8.

**CAUTION**

When the Module Driveshaft Assembly is removed, the Driveshaft Bearing, located on the inside of the Left Side Rail of the Module Assembly, may be dislodged. If so, be sure to reinstall the Driveshaft Bearing.

22. Remove the Module Slide Clutch/Break and the Brake Compression Spring from the Driveshaft of the Module Driveshaft Assembly. See Figure 9.

**CAUTION**

When removing the Driveshaft Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling and the Module Drive Gear.

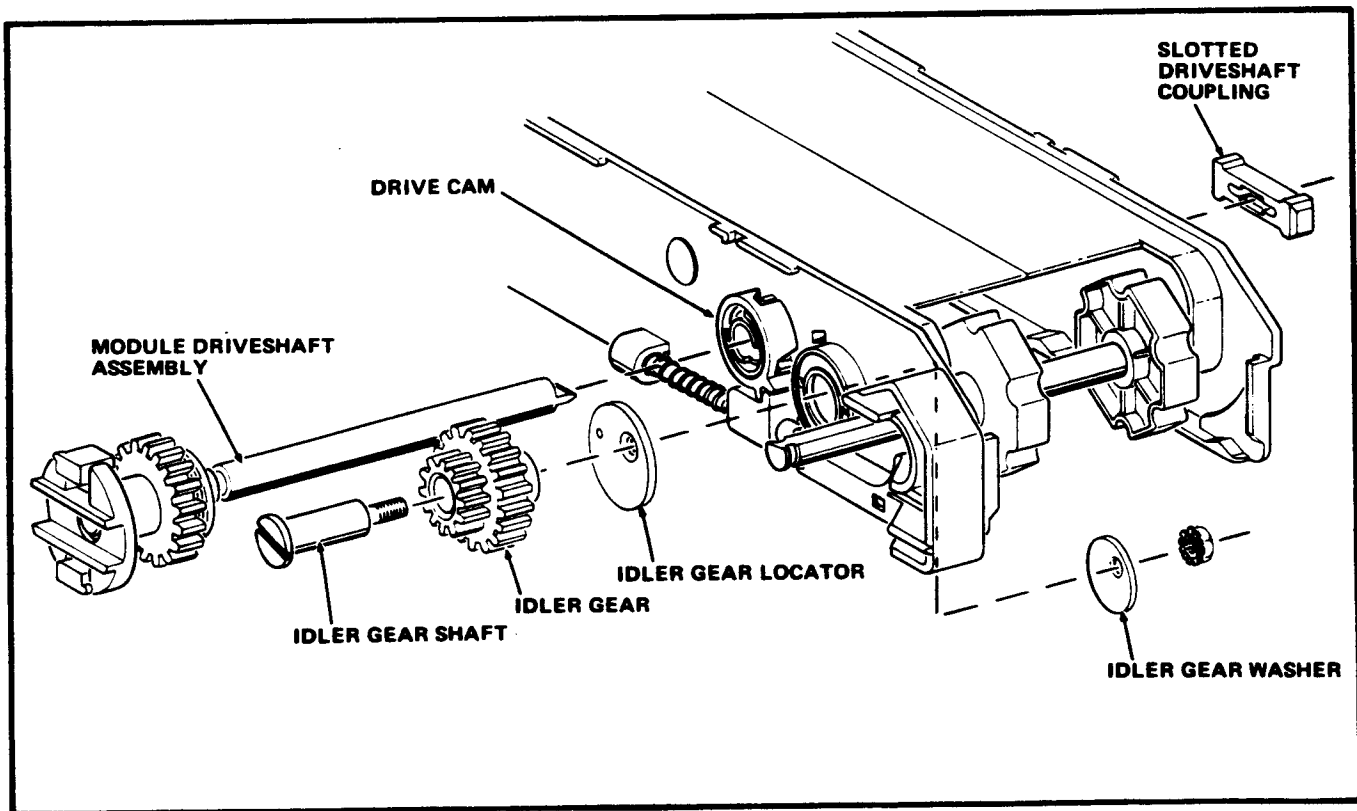
23. Using a 3/32" Pin Punch remove the Driveshaft Roll Pin from the Module Driveshaft Assembly. See Figure 9.
24. Remove the Dual Slide Coupling and the Driveshaft Pinned Coupling from the Driveshaft. See Figure 9.

**B. INSTALLATION OF THE KIT**

1. Place the Dual Slide Coupling, removed in Step A-24, inside the Driveshaft Pinned Coupling, Part Number 424-1052, included in the kit, as shown in Figure 10.
2. With the Module Drive Gear in place on the Driveshaft, position the Dual Slide Coupling and the Driveshaft Pinned Coupling on the Driveshaft so that the hole in the Driveshaft Pinned Coupling is aligned with the hole in the Driveshaft. See Figure 10.

**CAUTION**

When inserting the Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling, the Driveshaft Pinned Coupling and the Module Drive Gear.



**FIGURE 8**

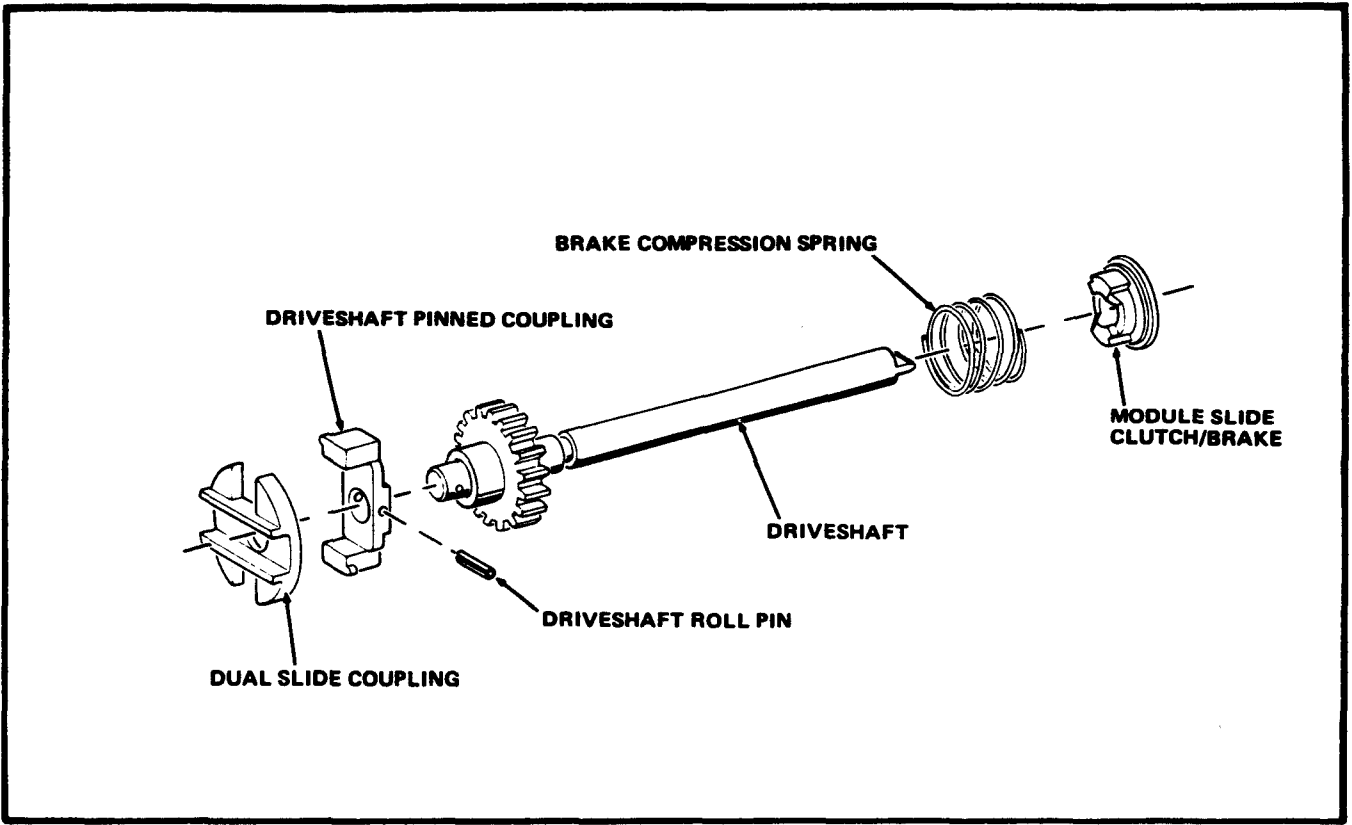


FIGURE 9

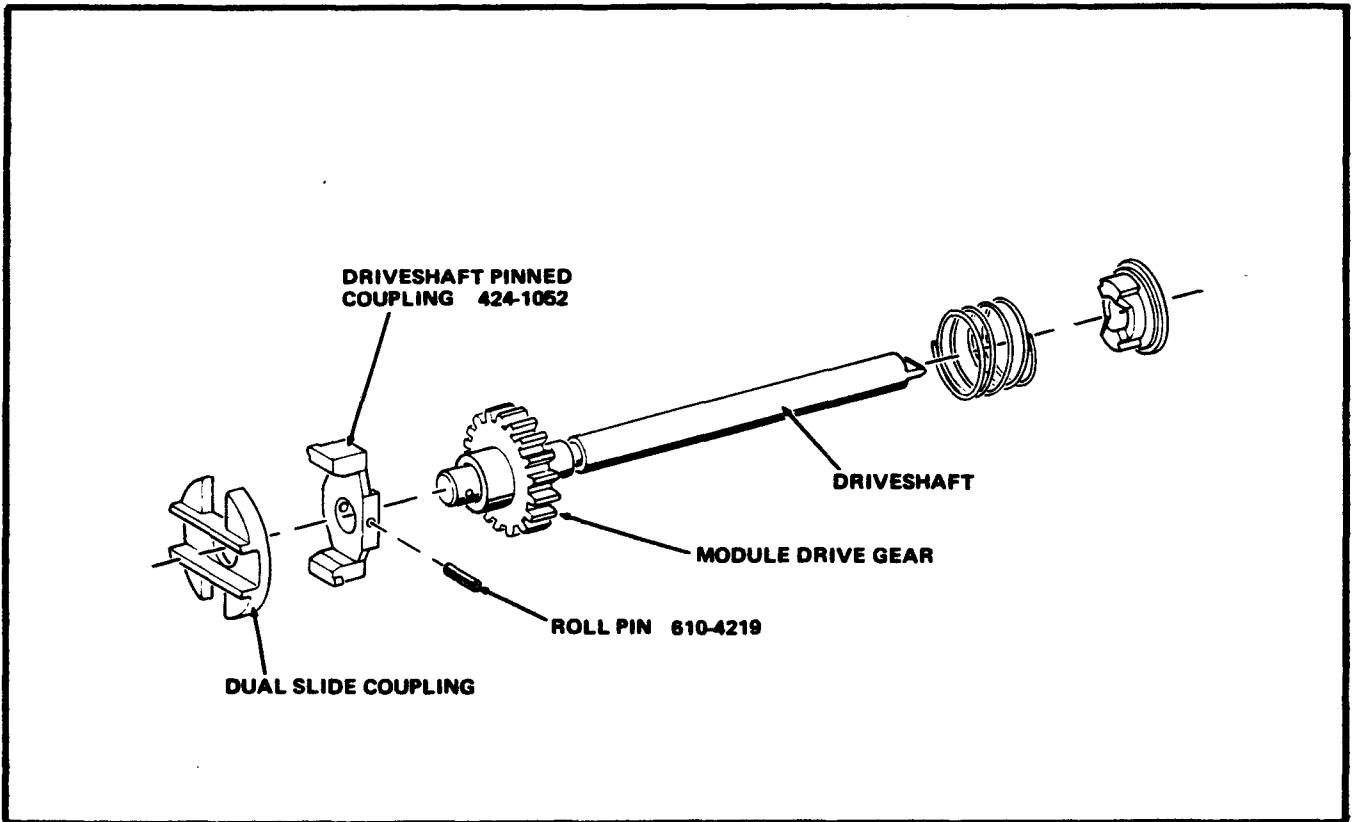


FIGURE 10

3. Using a 3/32" Pin Punch, insert the Roll Pin, Part Number 610-4219, included in the kit, through the holes in the Driveshaft Pinned Coupling and the Driveshaft. Make sure that the Roll Pin is driven flush with the surface of the Driveshaft Pinned Coupling. See Figure 10.
4. Replace the Module Slide Clutch/Brake and the Brake Compression Spring, both removed in Step A-22, onto the Module Driveshaft Assembly. See Figure 9.

**NOTE**

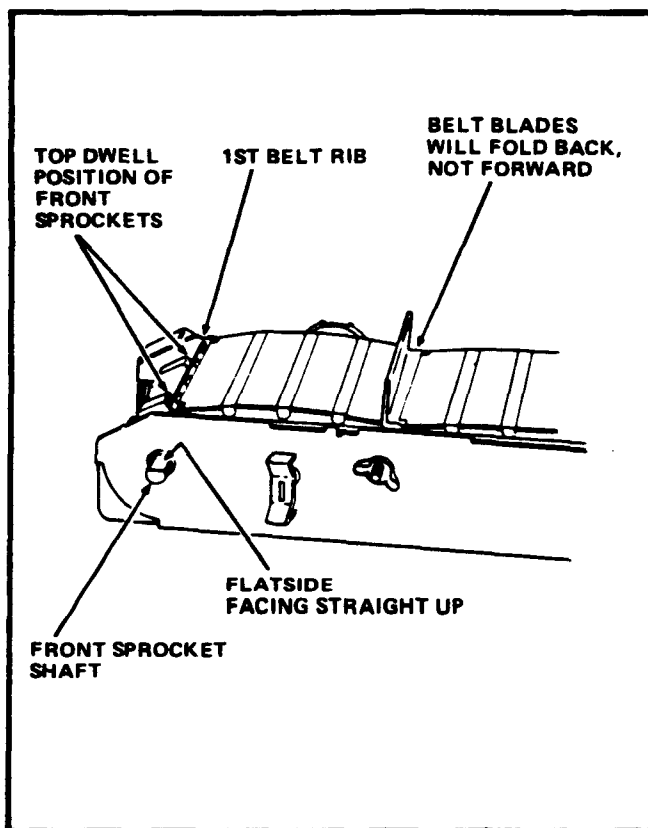
*Before reinstalling the Module Driveshaft Assembly, make sure that the Drive Cam is properly positioned on the Module as shown in Figure 8.*

5. Insert the Module Driveshaft Assembly into the Module Assembly. See Figure 8.

**NOTE**

*Step B-6 is to be followed only if the Module Assembly on which the Driveshaft Pinned Coupling is being replaced is equipped with a 6 inch (5 Product) Belt.*

6. Replace the Idler Gear Shaft, Idler Gear, Idler Gear Shaft Locator, Idler Gear Shaft Washer and one attaching Nut, all removed in Step A-20. See Figure 8.
7. Replace the slotted Driveshaft Coupling, removed in Step A-19. See Figure 8.
8. Replace the Driveshaft Retainer, removed in Step A-18.
  - a. Position the Driveshaft Retainer so that the open end of the Driveshaft Retainer is fitted into the groove on the Driveshaft and the slot in the Driveshaft Retainer is beneath the L-Shaped Retainer. See Figure 7b.
  - b. Bending slightly, slide the Driveshaft Retainer toward the Driveshaft until the hole in the Driveshaft Retainer is fitted on the Retaining Post. See Figure 7.
9. Lay the Product Belt on the top of the Module so that the Belt Dividers will fold back, not forward. See Figure 11.
10. Turn the Front Sprocket Shaft so that its Flat side is facing straight up. See Figure 11.
11. Place the First Rib on the Belt into the top dwell position on the Front Sprockets. See Figure 11.



**FIGURE 11**

12. Holding the Belt in place on the Front Sprockets, stand the Module on its rear end and carefully thread the Belt through the front of the Module. See Figure 12.
13. Pull the Belt through the Module until it reaches the Rear Rollers. See Figure 12.
14. Lay the Module down and pull the Belt around the back of the Rear Rollers until about 15.2 cm (6 in.) of the Belt protrudes from the top of the Module. See Figure 13.
15. Move the Rear Shaft to its Forward limit. See Figure 13.
16. Align the Rear Rollers so that the Right Rear Roll Roller is positioned between the Guide Tabs on the Belt. See Figure 13.
17. Grasp both ends of the Belt and pull them together. See Figure 14.
18. Insert the Tabs on the Front section of the Belt into the Pockets on the rear section of the Belt and snap the Belt together. See Figure 14.



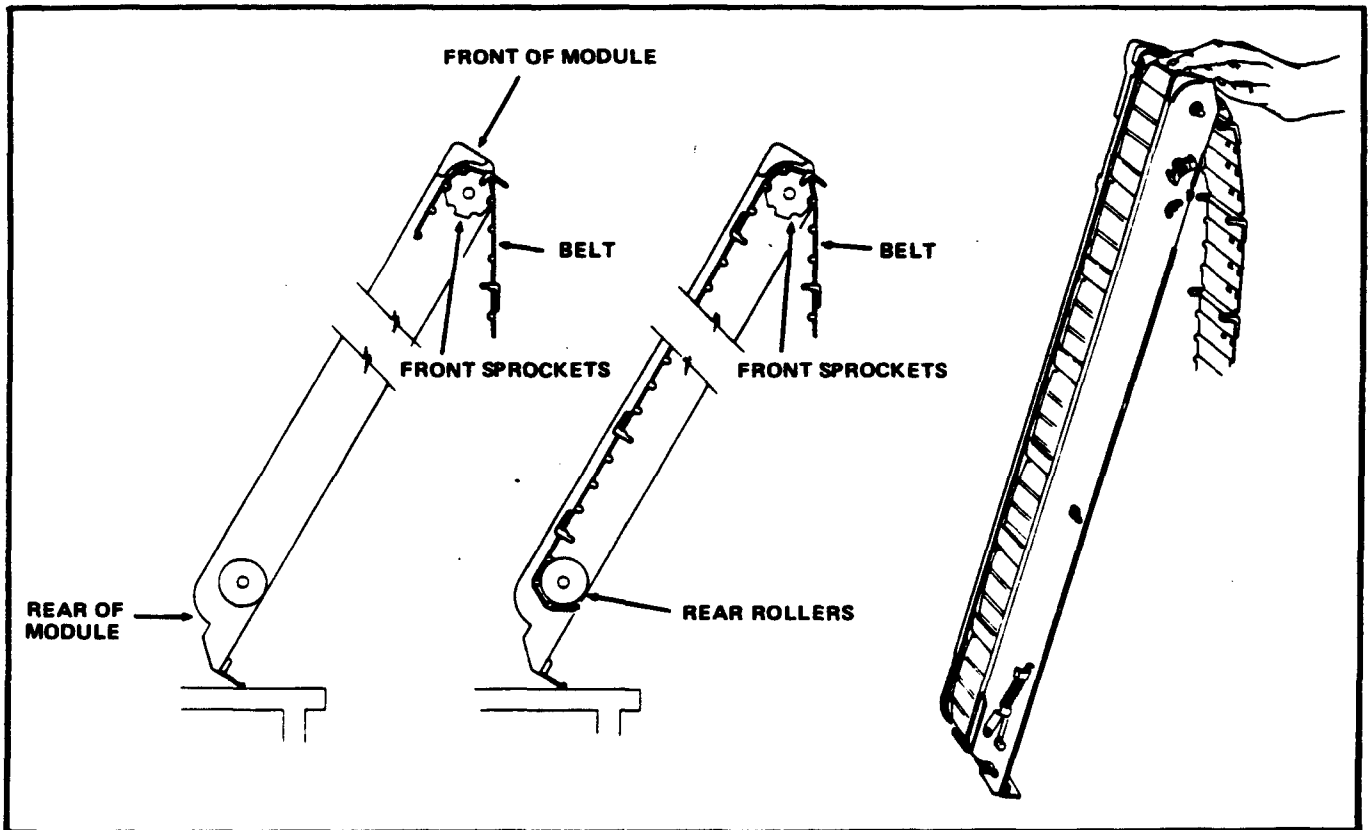


FIGURE 12

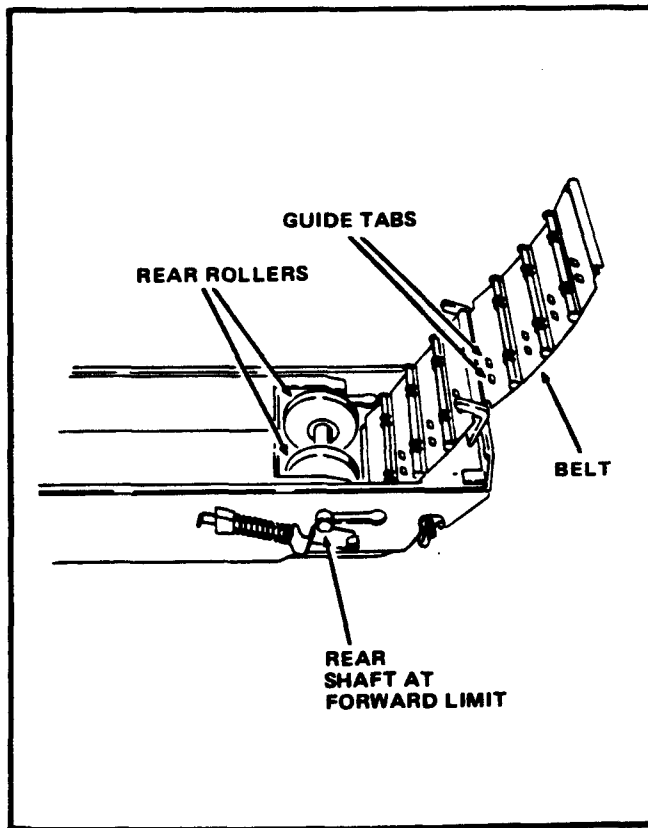


FIGURE 13

19. Compress both of the Rear Spring Loads and place them in the Grooves on the Rear Sprocket Shaft. See Figure 14.
20. Replace the Belt Divider by inserting the Belt Divider Prong on one side of the Blade into the Belt Rib Hole, then insert the other side. Install the Divider so that it folds back, not forward.

**CAUTION**

Always pull the Product Belts in a Forward direction; on the top side, from the rear of the Module to the Front. Never pull the Belts backwards; from the front of the Module to the rear. Pulling the Belts backwards can break the Belt Blades.

21. Rotate the Belt Forward until the Flat side of the Front Sprocket Shaft faces straight up and a Belt Divider is positioned as shown in Figure 15.
22. Rotate the Drive Gear in either direction until it locks. See Figure 15.
23. Slide the Forward Sprocket Gear onto the Front Sprocket Shaft. It may be necessary to rotate the Gear until it will slide on; the Gear will go on in only one position. DO NOT rotate the Front Sprocket Shaft while installing the Forward Sprocket Gear.

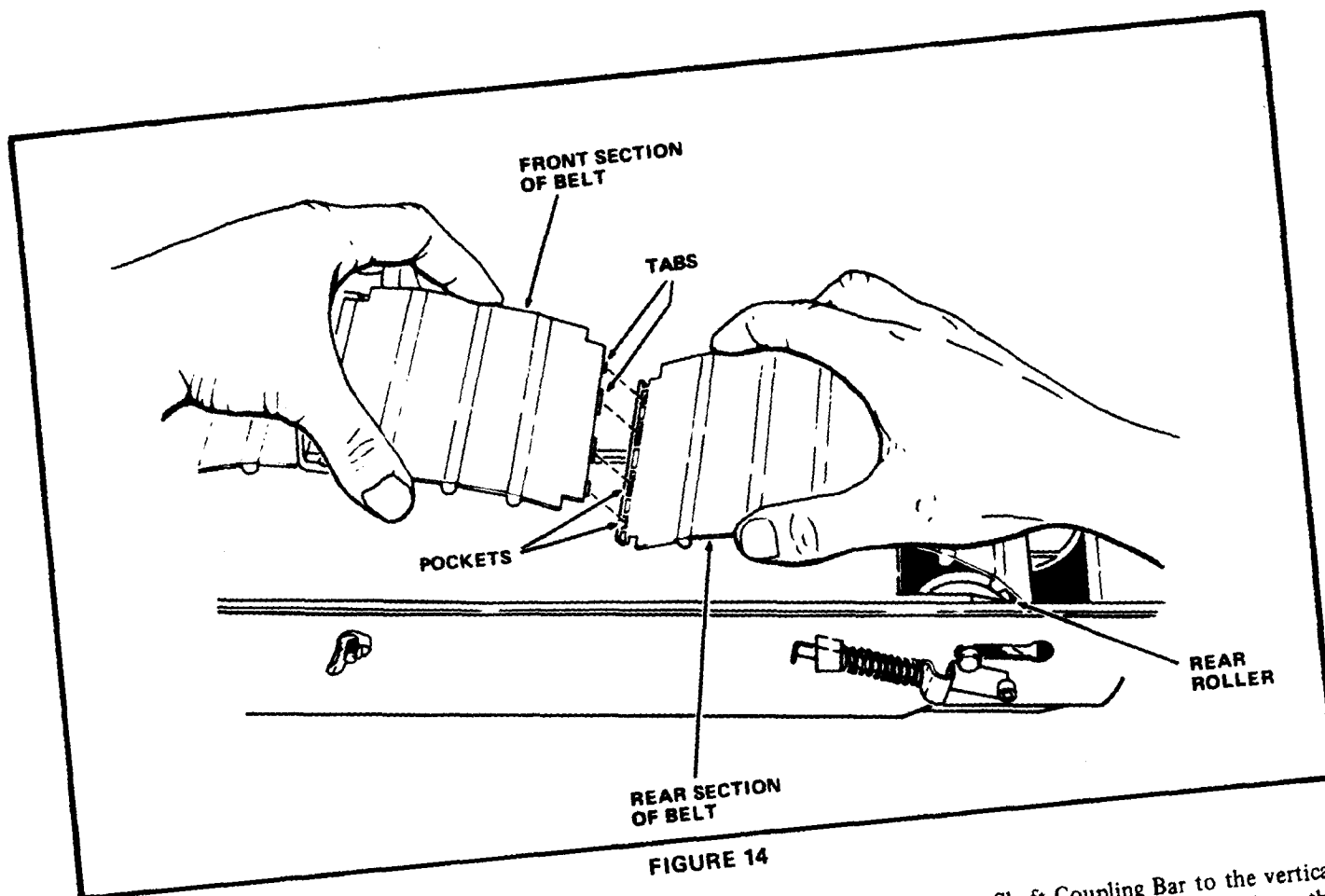


FIGURE 14

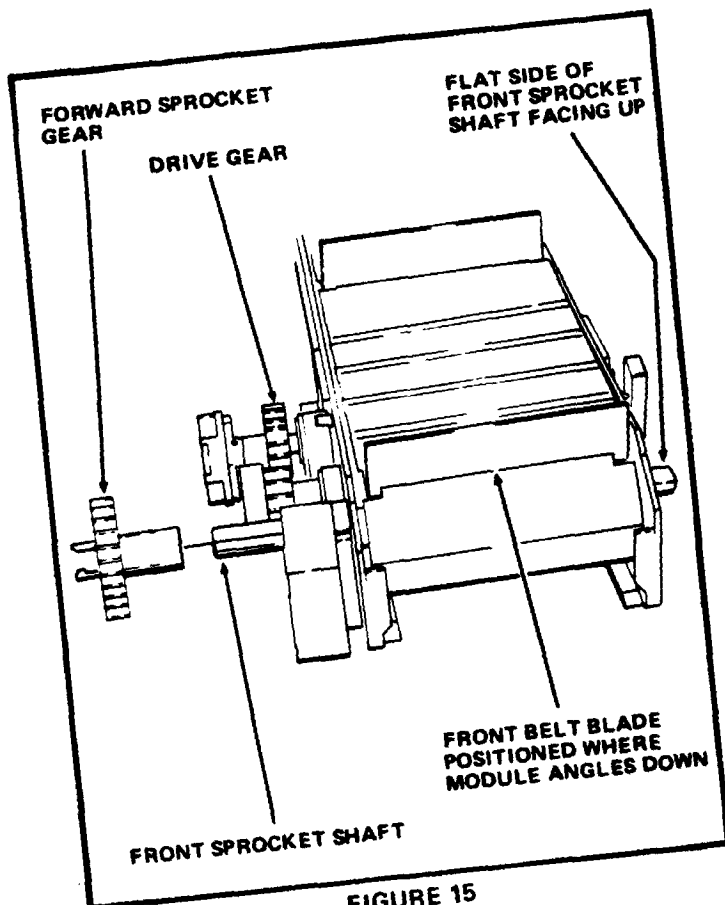
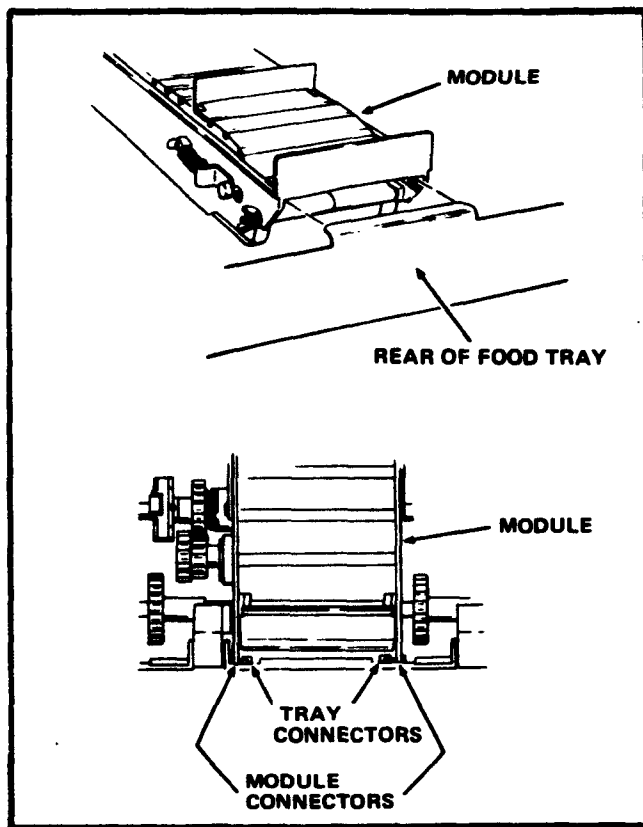


FIGURE 15

24. Turn the Drive Shaft Coupling Bar to the vertical position on both the Module removed from the Food Tray in Step A-10 and the Module in the Food Tray located to the immediate left of the removed Module. See Figure 3.
25. Insert the rear end of the removed Module on the Food Tray so that the Flange on the Food Tray is inserted into slots on the rear of the Module. See Figure 16.
26. Pull forward on the Module and push the front of the Module down so that the Food Tray and Module Connectors go together as shown in Figure 16.
27. If the Module inserted is to be linked to the Module to the left, push the Forward Sprocket Gear on the inserted Module against the Module to the left. See Figure 3.
28. If the Module inserted is to be linked to the Module to the right, push the Forward Sprocket Gear on the Module to the right against the inserted Module. See Figure 3.
29. Replace the Tray Cover Assemblies removed in Step A-7.



**FIGURE 16**

- a. Insert the Tray Cover Assembly onto the Module Flanges as shown in Figure 17.
- b. Push the Tray Cover Assembly back until the front of the Tray Cover Divider is inserted on the front set of Flanges on the Module. See Figure 17.

- c. Pull the Front Tray Cover forward and push it down. Be sure the Arms on the Front Tray Cover are inserted between the Modules. See Figure 17.

30. Replace the Product Dividers removed in Step A-6.

- a. Insert the Rear Tab on the Product Divider into the desired slot in the Tray Cover Spring. See Figure 2.
- b. Pull the Product Divider forward and insert the Front Tab on the Product Divider into the appropriate slot in the Front Tray Cover. The Product Divider must be parallel with the adjacent Product Belt. See Figure 2.

31. Slide the Food Tray fully into the Merchandiser.

32. Close the Display Door.

33. Move the Main Switch to the ON position.

34. Close and lock the Monetary Compartment.

### C. CHECKS AND ADJUSTMENTS

Test Vend the Merchandiser pressing the appropriate Selection Button to check the operation of the Module with the newly installed Driveshaft Pinned Coupling.

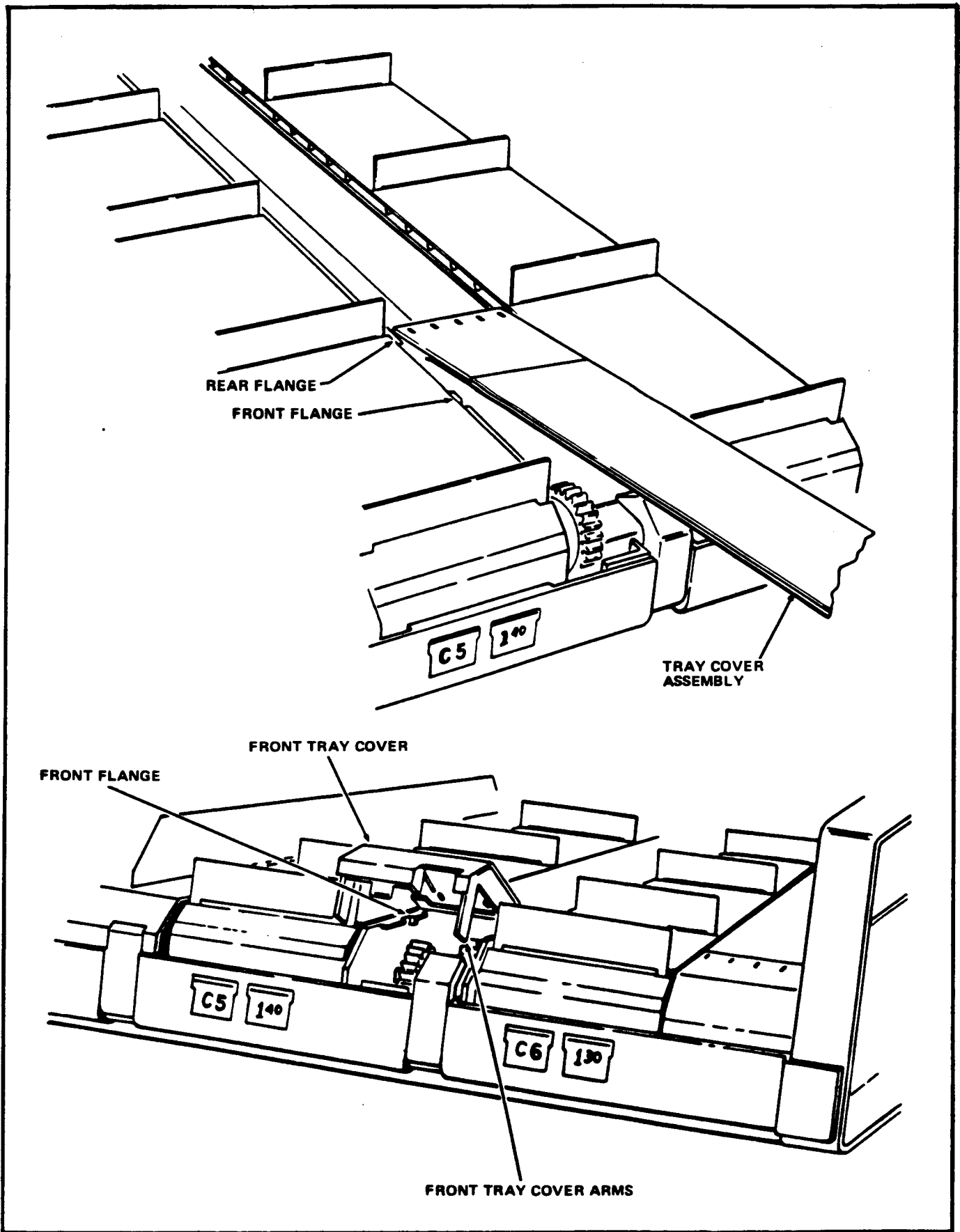


FIGURE 17

**SECTION II**  
**INSTALLATION OF THE DRIVESHAFT PINNED COUPLING REPLACEMENT KIT**  
**IN THE TRAY DRIVESHAFT ASSEMBLY**

**A. PARTS REMOVAL**

1. Unlock and open the Monetary Compartment.
2. Move the Main Switch to the OFF position.
3. Fully open the Display Door.
4. Pull the Food Tray containing the defective Drive Shaft Pinned Coupling.
5. Remove the Module located at the extreme right right of the Food Tray according to the instructions given in Section I, Steps A-5 through A-10, of these Kit Instructions.
6. Remove the attaching Retaining Ring and the Tray Driveshaft Coupling from the Tray Driveshaft Assembly. See Figure 18.
7. Remove two Cap Nuts, two Carriage Bolts and the Tray Driveshaft Assembly from the Food Tray. See Figure 18.

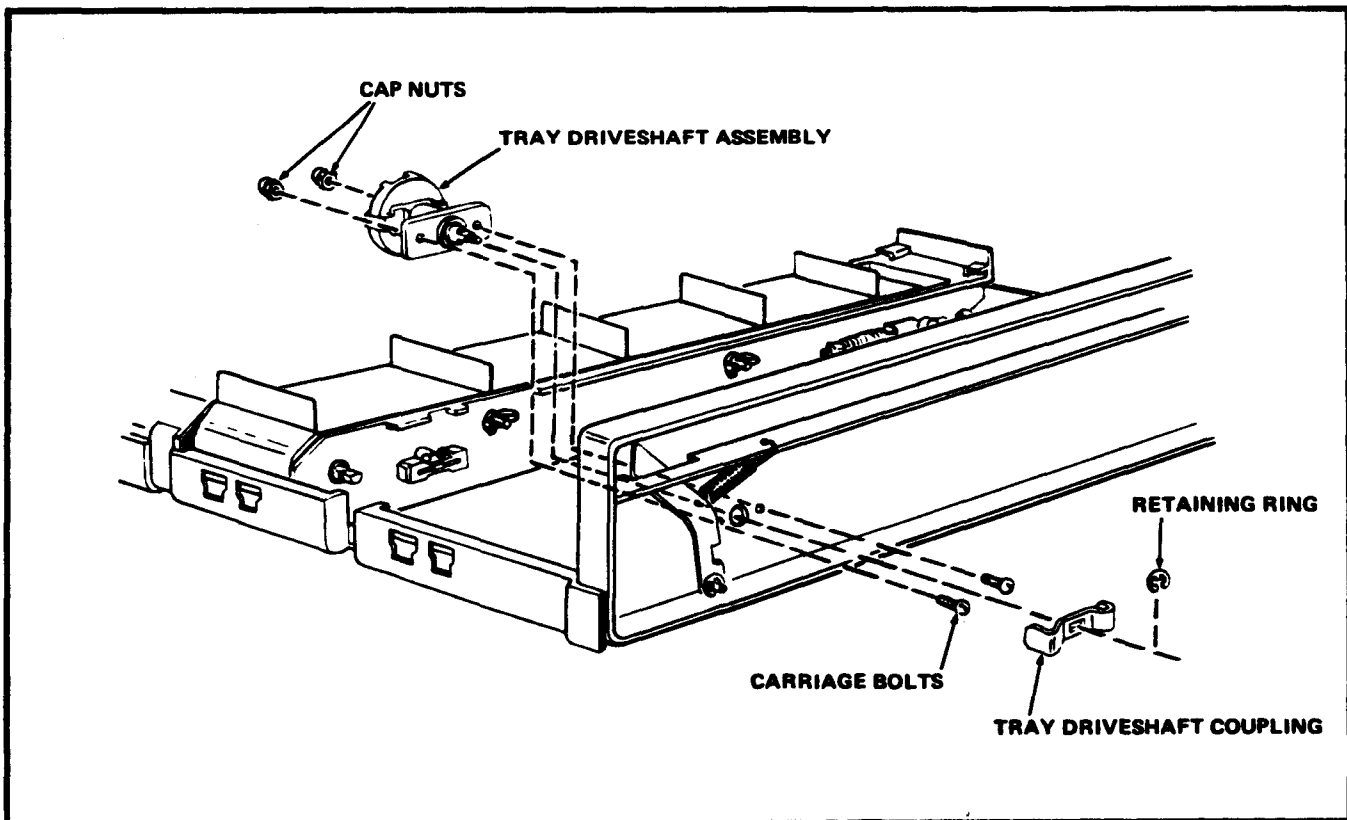
**CAUTION**

When removing the Driveshaft Roll Pin, care should be taken to avoid damaging the Driveshaft Bearing and the Dual Slide Coupling.

8. Using a 3/32" Pin Punch remove the Driveshaft Roll Pin from the Tray Driveshaft Assembly. See Figure 19.
9. Remove the Dual Slide Coupling and the Driveshaft Pinned Coupling from the Driveshaft. See Figure 19.

**B. INSTALLATION OF THE KIT**

1. Place the Dual Slide Coupling, removed in Step A-9, inside of the Driveshaft Pinned Coupling, Part Number 424-1052, included in the Kit, as shown in Figure 20.



**FIGURE 18**

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14 of 14

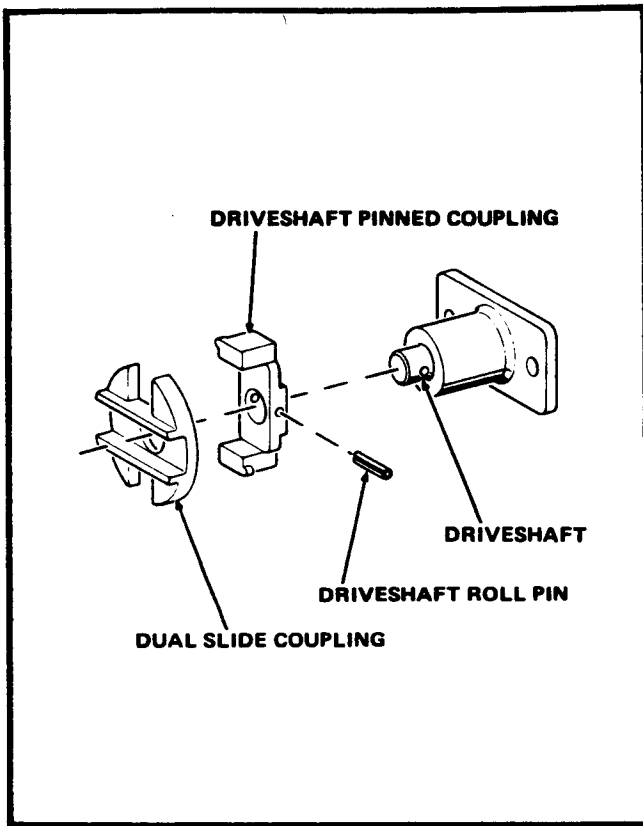


FIGURE 19

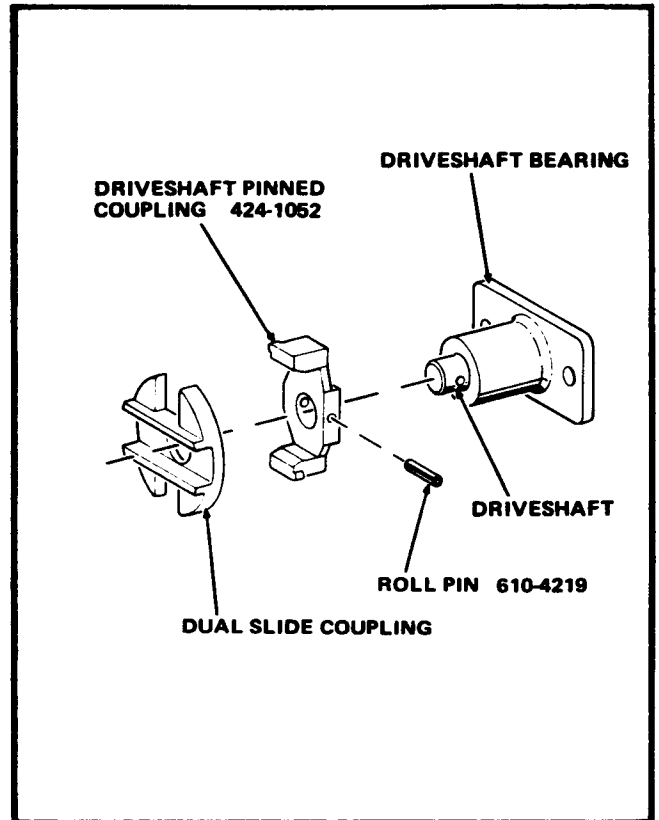


FIGURE 20

2. With the Driveshaft Bearing in place on the Driveshaft, position the Dual Slide Coupling and the Driveshaft Pinned Coupling on the Driveshaft so that the hole in the Driveshaft Pinned Coupling is aligned with the hole in the Driveshaft. See Figure 20.

**CAUTION**

**When inserting the Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling, the Driveshaft Pinned Coupling and the Driveshaft Bearing.**

3. Using a 3/32" Pin Punch, insert the Roll Pin, Part Number 610-4219, included in the Kit, through the holes in the Driveshaft Pinned Coupling and the Driveshaft. Make sure that the Roll Pin is driven flush with the surface of the Driveshaft Pinned Coupling. See Figure 20.
4. Reinstall in the Food Tray the two Cap Nuts, two Carriage Bolts and the Tray Driveshaft Assembly, removed in Step A-7. See Figure 18.

5. Replace the Driveshaft Coupling and the Retaining Ring, removed in Step A-6. See Figure 18.
6. Reinstall in the Food Tray the Module removed in Step A-5 according to the instructions given in Section I, Steps B-24 through B-30, of these Kit Instructions.
7. Slide the Food Tray into the Merchandiser.
8. Close the Display Door.
9. Move the Main Switch to the ON position.
10. Close and lock the Monetary Compartment.

**C. CHECKS AND ADJUSTMENTS**

Test Vend the Merchandiser, pressing an appropriate Selection Button to check the operation of the Food Tray with the newly installed Driveshaft Pinned Coupling.

**INSTRUCTIONS FOR INSTALLING A DRIVESHAFT PINNED COUPLING REPLACEMENT  
KIT IN A NATIONAL VENDORS® CROWN SEVENTY TWO®, GG-424 GRAND  
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Kit, Part Number 424-1272 contains the following parts:

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424-1052	Driveshaft Pinned Coupling	1
610-4219	Roll Pin	1
424-1271	Installation Instructions * * *	1

Special Tools Required:  
3/32 Pin Punch

**NOTE**

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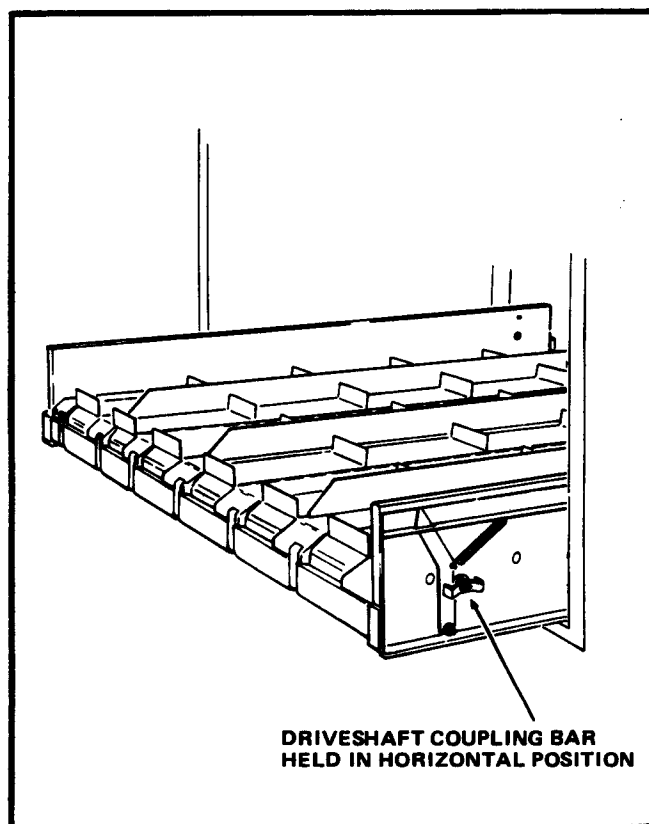
**TO INSTALL THE KIT**

**SECTION I  
INSTALLATION OF THE DRIVESHAFT PINNED  
COUPLING REPLACEMENT KIT IN THE MODULE  
DRIVESHAFT ASSEMBLY**

**A. PARTS REMOVAL**

1. Unlock and open the Monetary Compartment.
2. Move the Main Switch to the OFF position.
3. Fully open the Display Door.

4. Pull the Food Tray containing the Merchandise Module with the defective Driveshaft Pinned Coupling until it reaches a stop.
5. Check to see that the Drive Shaft Coupling Bar on the right side of the Food Tray is locked in the horizontal position by the Drive Shaft Lock, as shown in Figure 1.
6. Remove the Product Dividers to the left and right of the Module being removed. The Modules at either end of the Food Tray have a Product Divider on only one side.



**FIGURE 1**

- a. Pull the Product Divider forward and lift the Front Tab on the Divider out of the slot in the Front Tray Cover. See Figure 2.
  - b. Push the Product Divider back gently and lift the Rear Tab on the Divider out of the slot in the Tray Cover Spring. See Figure 2.
7. Remove the Tray Cover Assemblies to the left and right of the Module being removed.
- a. Push up and back on the front of the Front Tray Cover. See Figure 3.
  - b. Push the Front Tray Cover back, lift up, then pull forward so that the Tray Cover Assembly will slide over the Front Flange on the Module. See Figure 3.
  - c. Pull the entire Tray Cover Assembly out. The Tray Cover Spring may not slide out with the assembly; if not, it may be lifted straight out. The end Tray Cover Assemblies on each Food Tray do not have a Tray Cover Spring.
8. If the Module to be removed is linked to either the Module to its left or the Module to its right, slide the Forward Sprocket Gears all the way to the right. See Figure 3.
9. Grasp the Module being removed in the locations shown in Figure 3.
  10. Lift the front of the Module up and pull the Module out.
  11. Remove the Forward Sprocket Gear from the removed Module.
  12. Compress both of the Rear Spring Loads on the removed Module, as shown in Figure 4, and rest them against the Plastic Studs on either side of the Module.
  13. Fold back one of the Belt Dividers near the front of the Module. See Figure 4.
  14. Grasp the Product Belt to the front and rear of the folded Belt Divider and push the Belt together as shown in Figure 5.
  15. Pull the Front Section of the Product Belt up and towards yourself. The Product Belt will come apart. See Figure 5.
  16. Remove the Belt Divider.

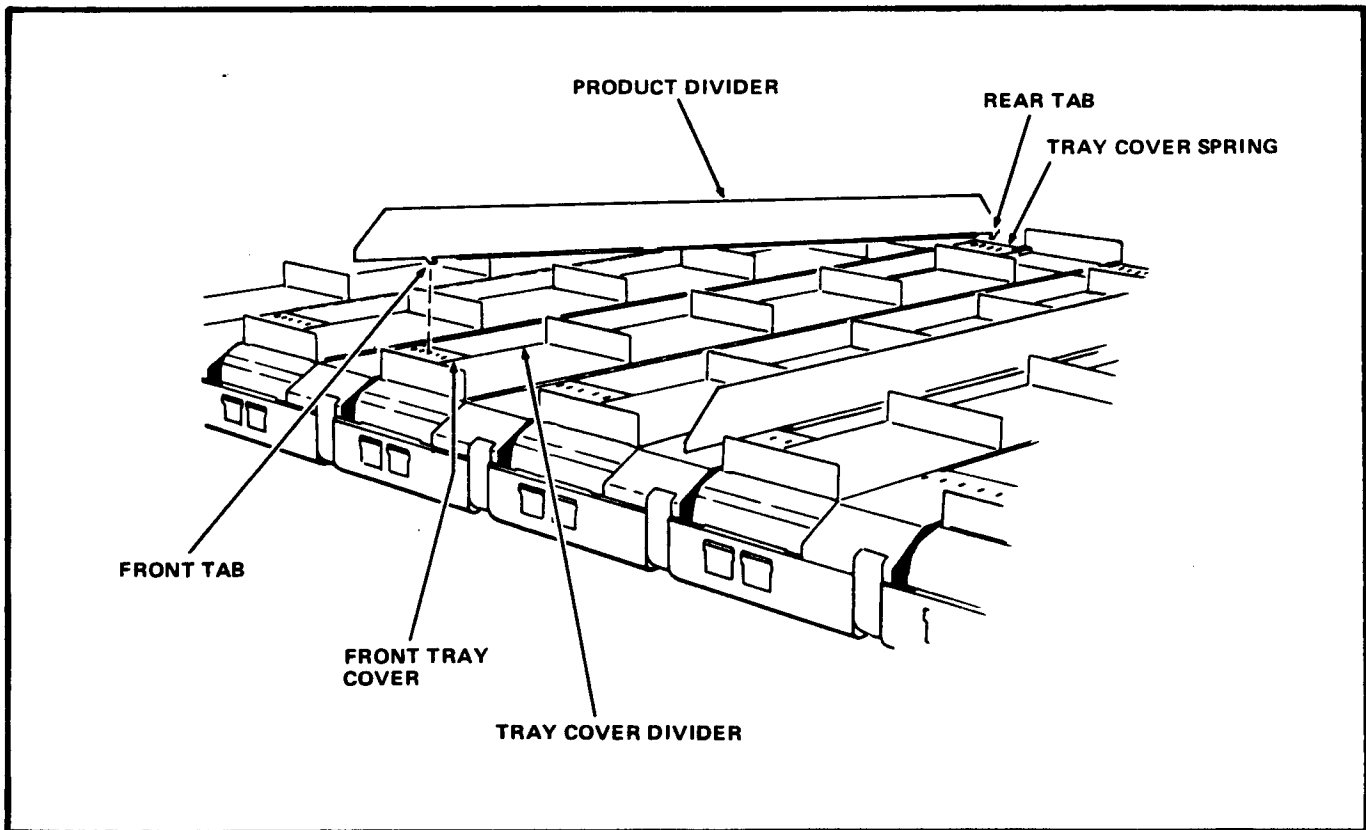


FIGURE 2



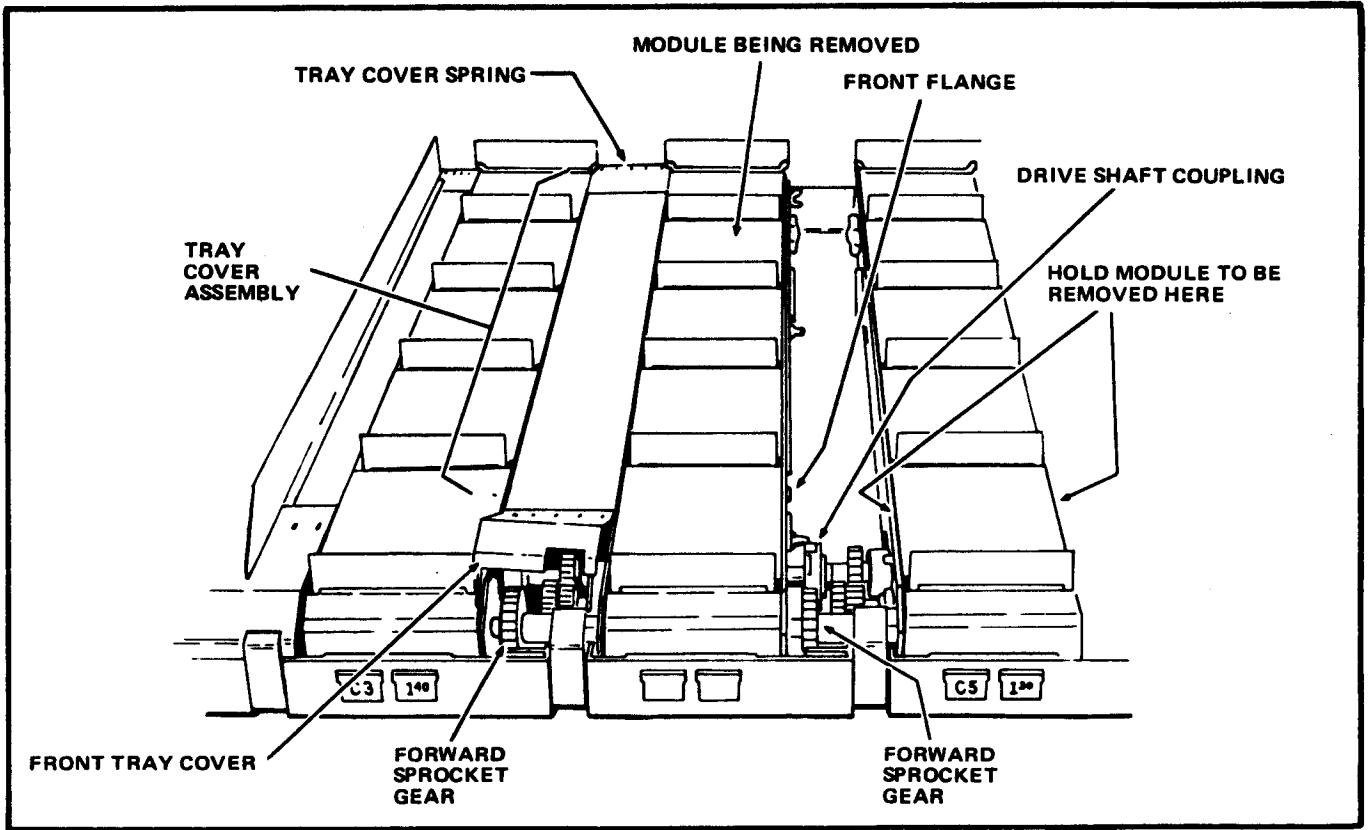


FIGURE 3

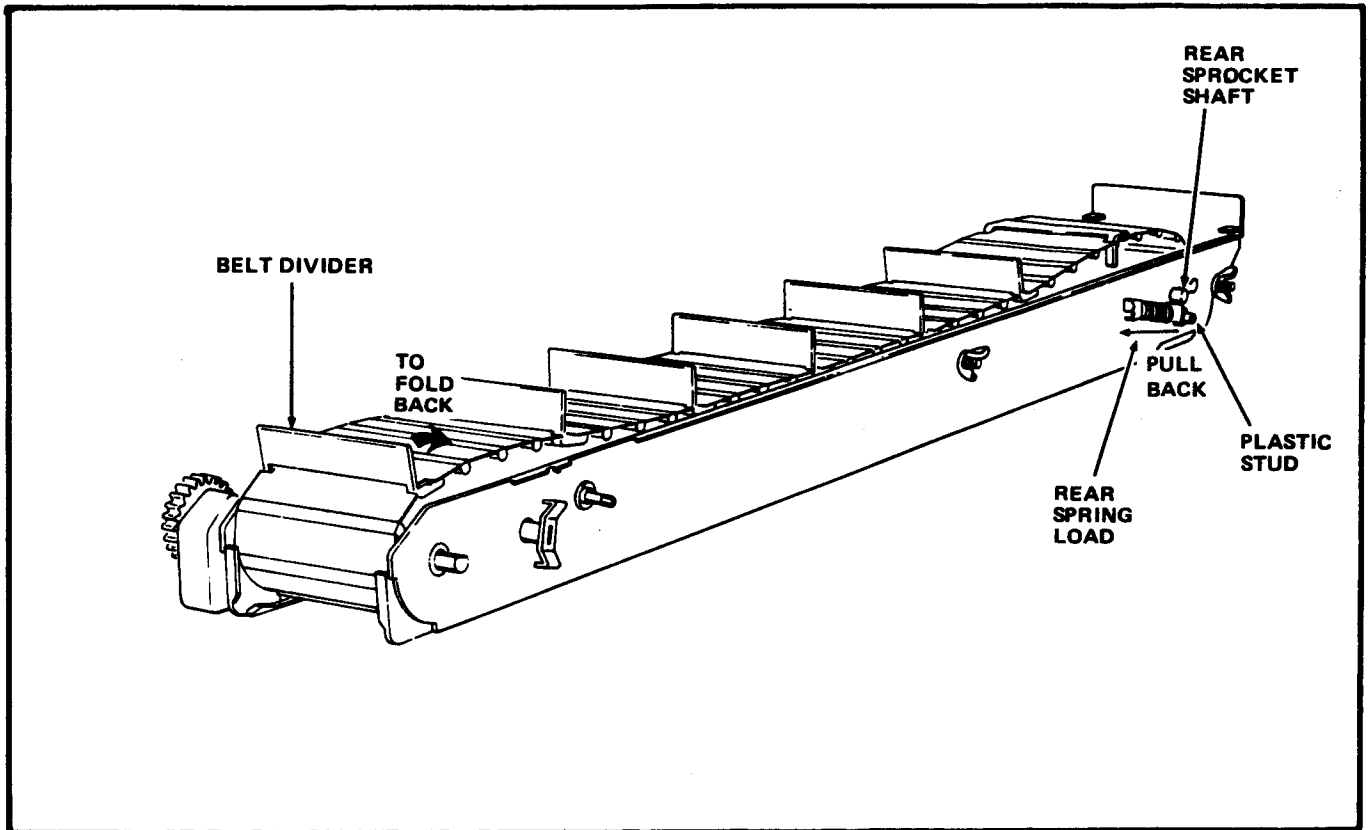


FIGURE 4

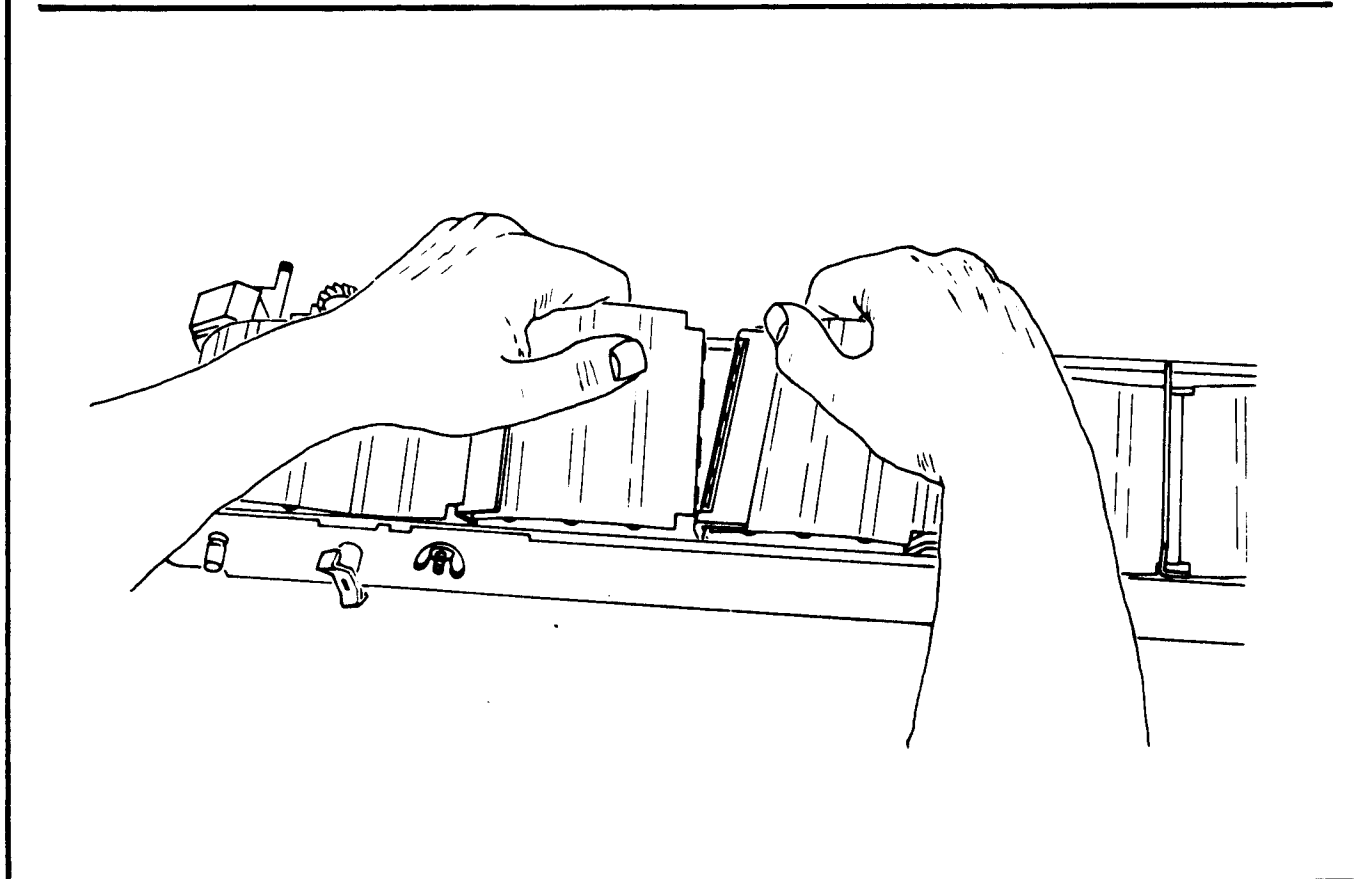
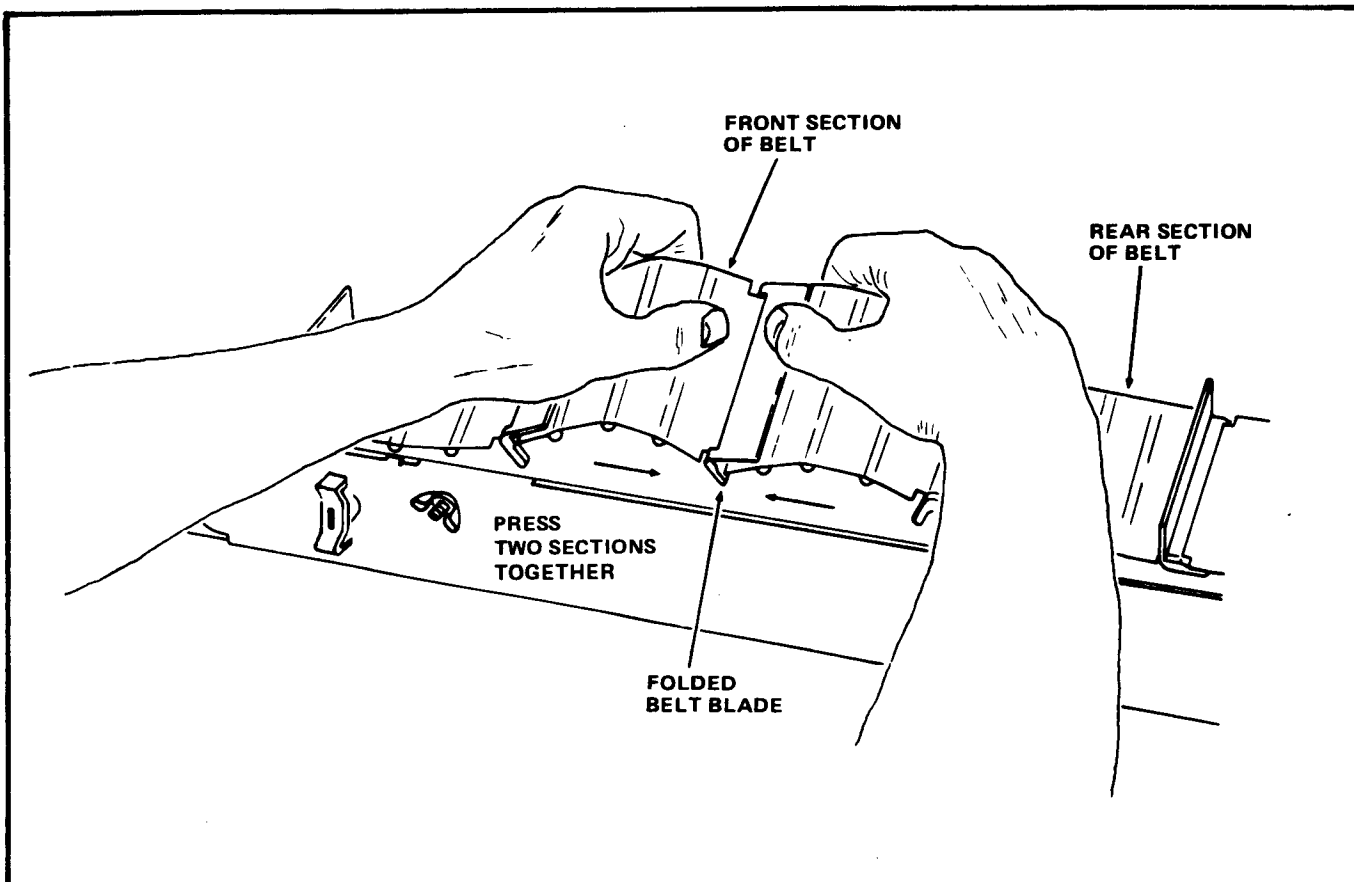


FIGURE 5

**CAUTION**

Always pull the Product Belts in a Forward direction; on the top side, from the rear of the Module to the front.

Never pull the Belts backwards; from the front of the Module to the rear. Pulling the Belts backwards can break the Belt Blades.

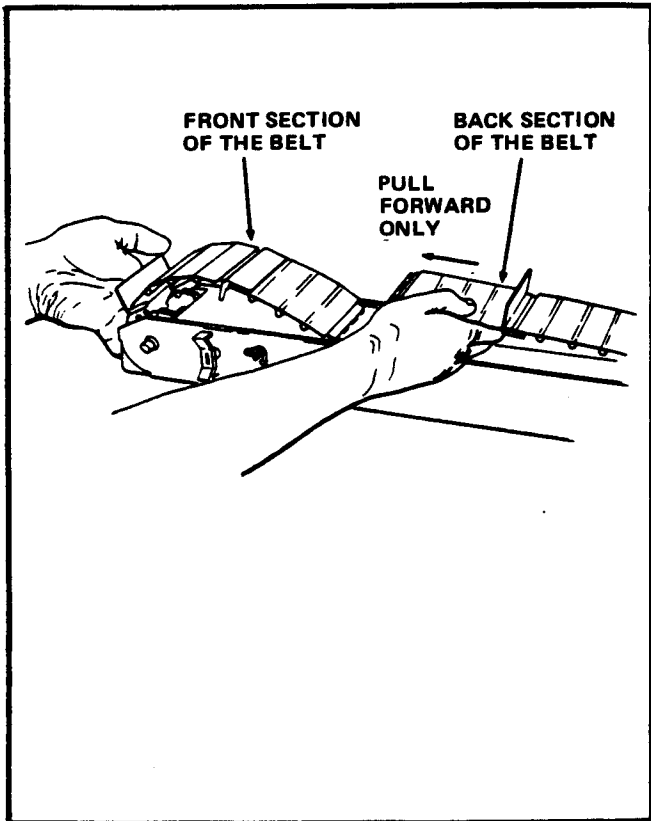
17. Place the palm of your hand on the front section of the Belt as shown in Figure 6 to guide the Belt through the Module, and pull forward on the back section of the Belt to remove it from the Module.

18. Remove the Driveshaft Retainer located behind Front Sprocket Shaft on the Left Side Rail of the Module Assembly.

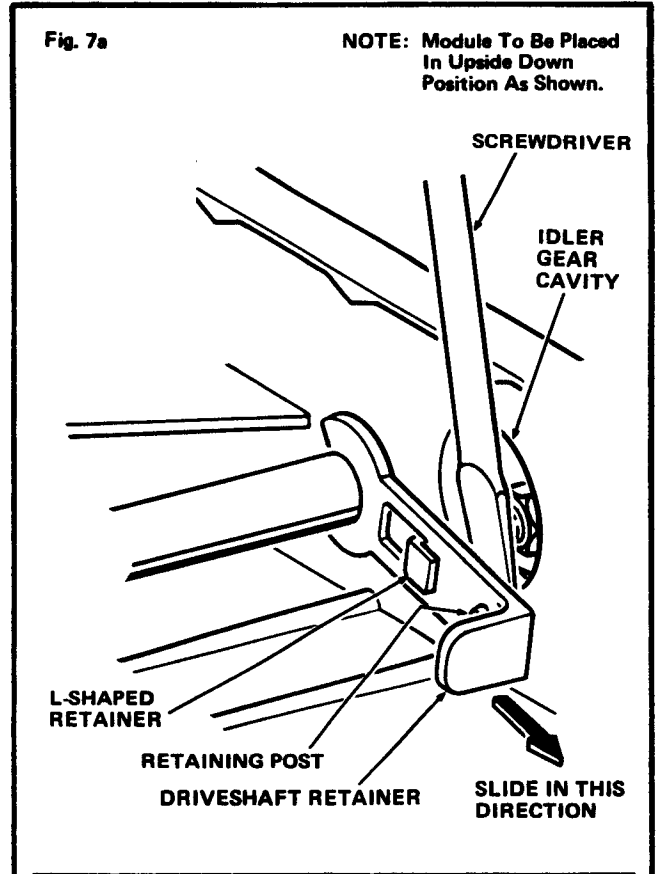
**CAUTION**

Avoid applying excessive force when removing the Driveshaft Retainer; otherwise, the plastic Retaining Post may be broken.

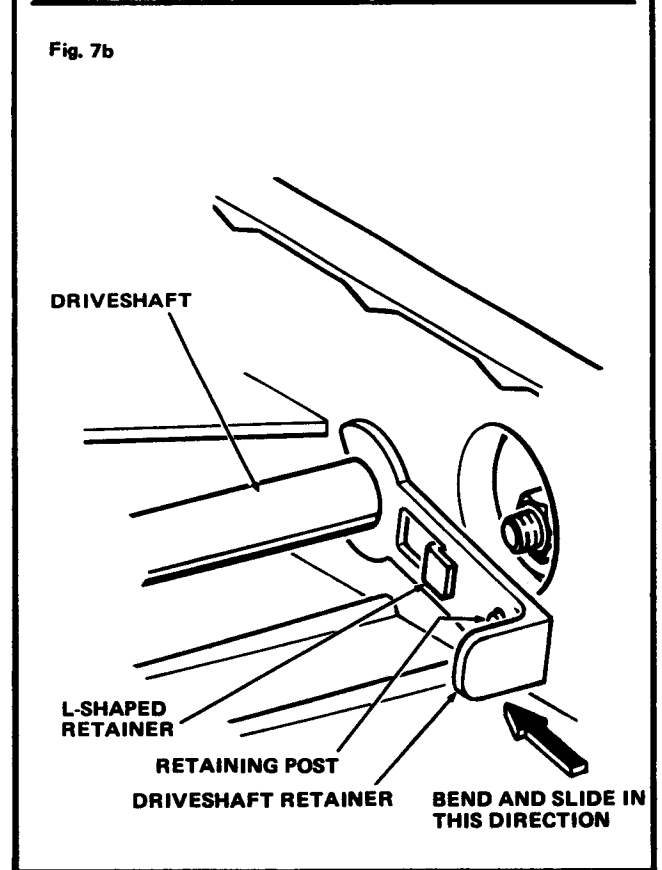
- a. Insert a screwdriver blade into the Idler Gear Cavity beneath the Driveshaft Retainer and apply upward pressure to lift the Driveshaft Retainer off of the Retaining Post. See Figure 7a.



**FIGURE 6**



**Fig. 7a**



**FIGURE 7**

- b. Pull the Driveshaft Retainer forward and then lift upward, over the L-shaped Retainer, to remove it from the Module Assembly. See Figure 7a.

19. Remove the Slotted Driveshaft Coupling from the Module Driveshaft Assembly. See Figure 8.

**NOTE**

*Step A-20 is to be followed only if the Module Assembly from which the Driveshaft Pinned Coupling is being removed is equipped with a 6 inch (5 Product) Belt.*

20. Remove the Idler Gear Shaft, Idler Gear, Idler Gear Shaft Locator, Idler Gear Shaft Washer and one attaching Nut from the Module Assembly. See Figure 8.
21. Pull the Module Driveshaft Assembly from the Module Assembly. See Figure 8.

**CAUTION**

When the Module Driveshaft Assembly is removed, the Driveshaft Bearing, located on the inside of the Left Side Rail of the Module Assembly, may be dislodged. If so, be sure to reinstall the Driveshaft Bearing.

22. Remove the Module Slide Clutch/Break and the Brake Compression Spring from the Driveshaft of the Module Driveshaft Assembly. See Figure 9.

**CAUTION**

When removing the Driveshaft Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling and the Module Drive Gear.

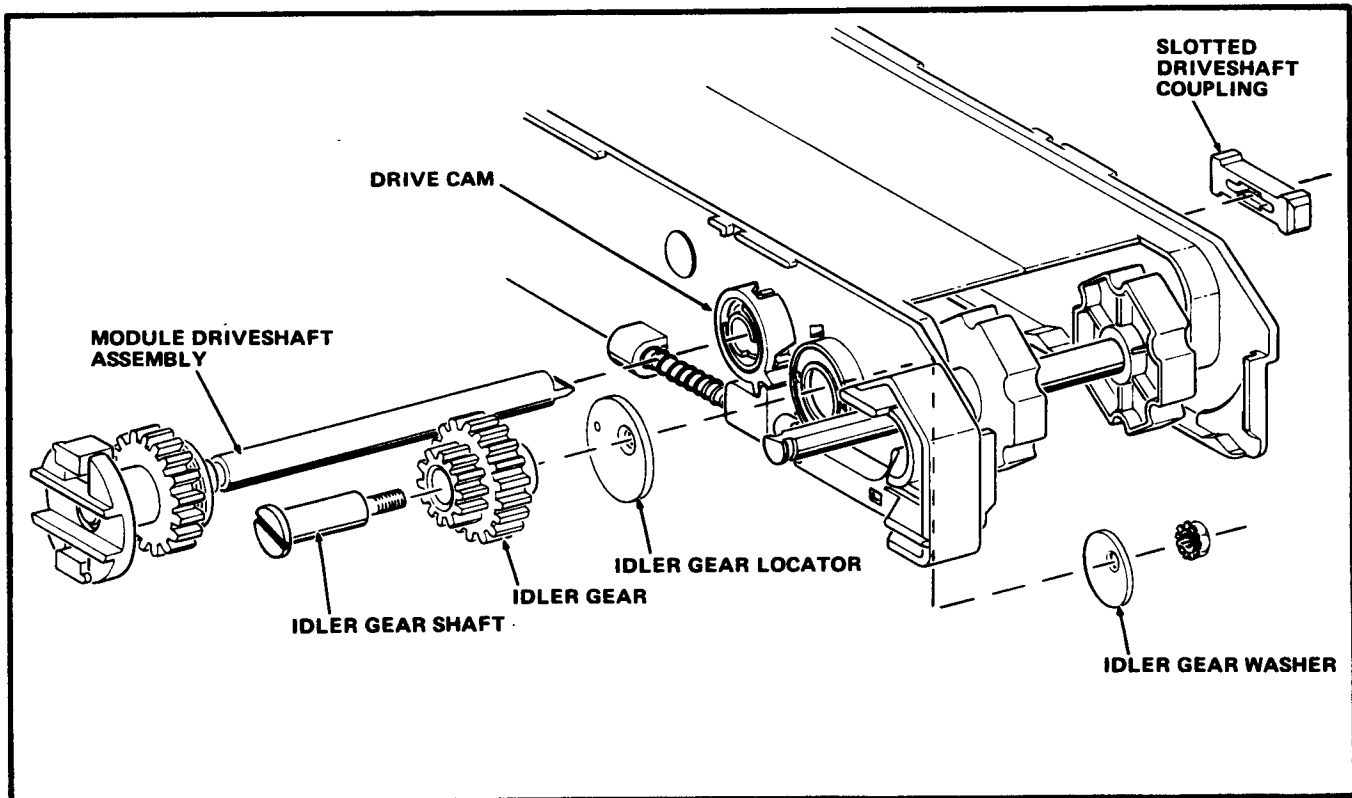
23. Using a 3/32" Pin Punch remove the Driveshaft Roll Pin from the Module Driveshaft Assembly. See Figure 9.
24. Remove the Dual Slide Coupling and the Driveshaft Pinned Coupling from the Driveshaft. See Figure 9.

**B. INSTALLATION OF THE KIT**

1. Place the Dual Slide Coupling, removed in Step A-24, inside the Driveshaft Pinned Coupling, Part Number 424-1052, included in the kit, as shown in Figure 10.
2. With the Module Drive Gear in place on the Driveshaft, position the Dual Slide Coupling and the Driveshaft Pinned Coupling on the Driveshaft so that the hole in the Driveshaft Pinned Coupling is aligned with the hole in the Driveshaft. See Figure 10.

**CAUTION**

When inserting the Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling, the Driveshaft Pinned Coupling and the Module Drive Gear.



**FIGURE 8**

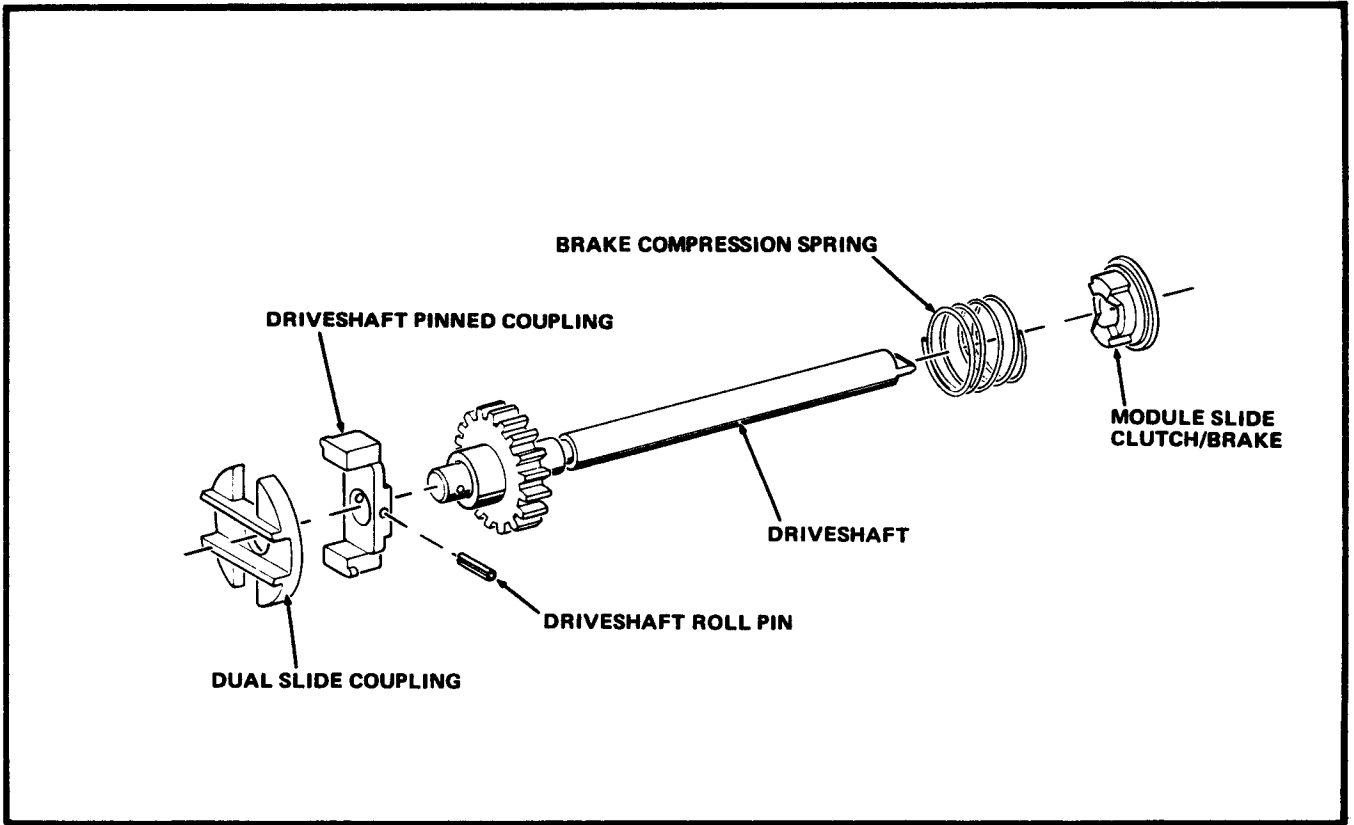


FIGURE 9

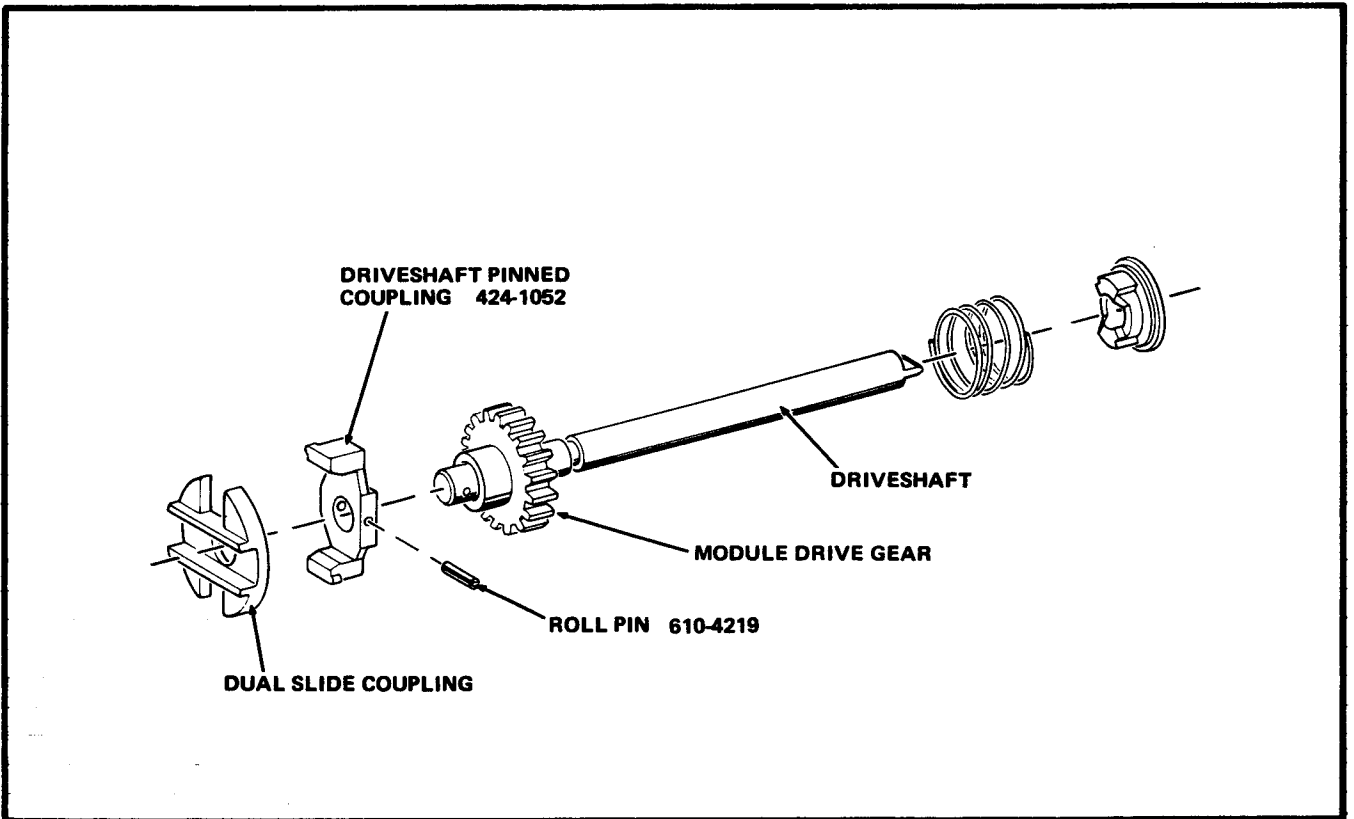


FIGURE 10

3. Using a 3/32" Pin Punch, insert the Roll Pin, Part Number 610-4219, included in the kit, through the holes in the Driveshaft Pinned Coupling and the Driveshaft. Make sure that the Roll Pin is driven flush with the surface of the Driveshaft Pinned Coupling. See Figure 10.
4. Replace the Module Slide Clutch/Brake and the Brake Compression Spring, both removed in Step A-22, onto the Module Driveshaft Assembly. See Figure 9.

**NOTE**

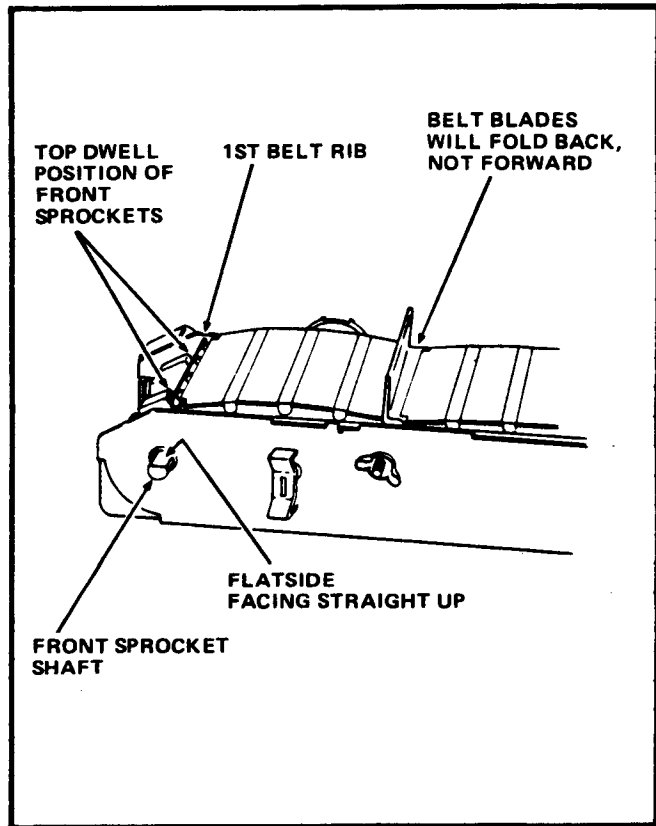
*Before reinstalling the Module Driveshaft Assembly, make sure that the Drive Cam is properly positioned on the Module as shown in Figure 8.*

5. Insert the Module Driveshaft Assembly into the Module Assembly. See Figure 8.

**NOTE**

*Step B-6 is to be followed only if the Module Assembly on which the Driveshaft Pinned Coupling is being replaced is equipped with a 6 inch (5 Product) Belt.*

6. Replace the Idler Gear Shaft, Idler Gear, Idler Gear Shaft Locator, Idler Gear Shaft Washer and one attaching Nut, all removed in Step A-20. See Figure 8.
7. Replace the slotted Driveshaft Coupling, removed in Step A-19. See Figure 8.
8. Replace the Driveshaft Retainer, removed in Step A-18.
  - a. Position the Driveshaft Retainer so that the open end of the Driveshaft Retainer is fitted into the groove on the Driveshaft and the slot in the Driveshaft Retainer is beneath the L-Shaped Retainer. See Figure 7b.
  - b. Bending slightly, slide the Driveshaft Retainer toward the Driveshaft until the hole in the Driveshaft Retainer is fitted on the Retaining Post. See Figure 7.
9. Lay the Product Belt on the top of the Module so that the Belt Dividers will fold back, not forward. See Figure 11.
10. Turn the Front Sprocket Shaft so that its Flat side is facing straight up. See Figure 11.
11. Place the First Rib on the Belt into the top dwell position on the Front Sprockets. See Figure 11.



**FIGURE 11**

12. Holding the Belt in place on the Front Sprockets, stand the Module on its rear end and carefully thread the Belt through the front of the Module. See Figure 12.
13. Pull the Belt through the Module until it reaches the Rear Rollers. See Figure 12.
14. Lay the Module down and pull the Belt around the back of the Rear Rollers until about 15.2 cm (6 in.) of the Belt protrudes from the top of the Module. See Figure 13.
15. Move the Rear Shaft to its Forward limit. See Figure 13.
16. Align the Rear Rollers so that the Right Rear Roll Roller is positioned between the Guide Tabs on the Belt. See Figure 13.
17. Grasp both ends of the Belt and pull them together. See Figure 14.
18. Insert the Tabs on the Front section of the Belt into the Pockets on the rear section of the Belt and snap the Belt together. See Figure 14.

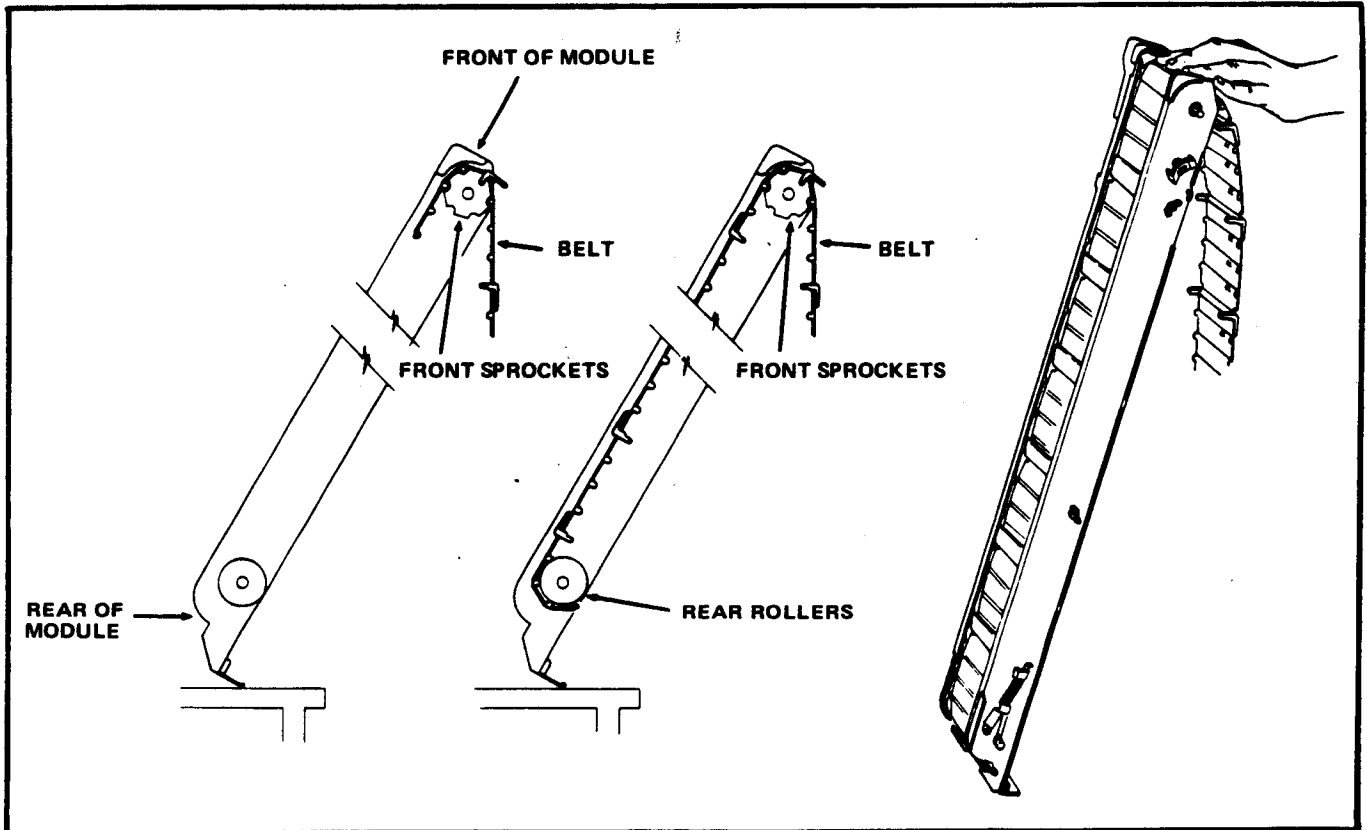


FIGURE 12

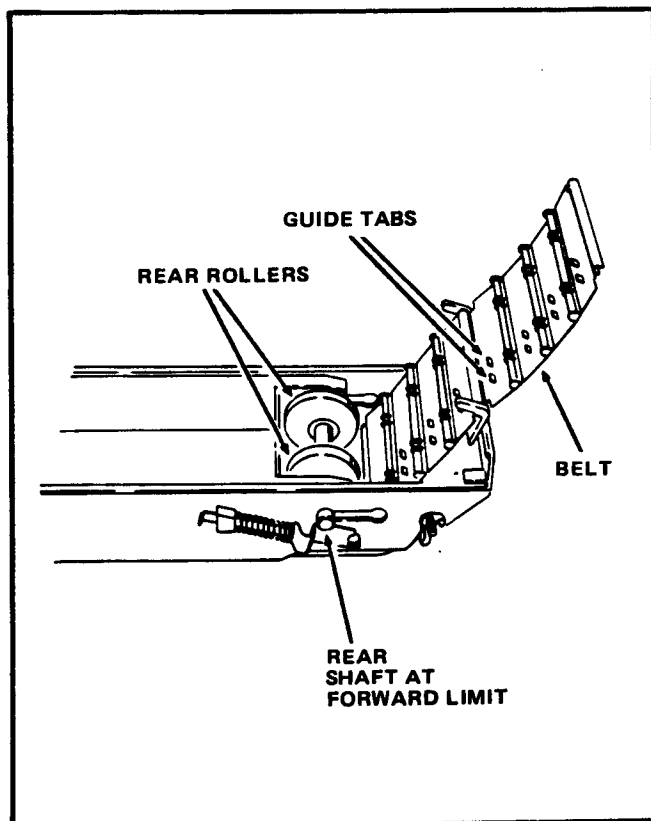


FIGURE 13

19. Compress both of the Rear Spring Loads and place them in the Grooves on the Rear Sprocket Shaft. See Figure 14.

20. Replace the Belt Divider by inserting the Belt Divider Prong on one side of the Blade into the Belt Rib Hole, then insert the other side. Install the Divider so that it folds back, not forward.

**CAUTION**

Always pull the Product Belts in a Forward direction; on the top side, from the rear of the Module to the Front.

Never pull the Belts backwards; from the front of the Module to the rear. Pulling the Belts backwards can break the Belt Blades.

21. Rotate the Belt Forward until the Flat side of the Front Sprocket Shaft faces straight up and a Belt Divider is positioned as shown in Figure 15.

22. Rotate the Drive Gear in either direction until it locks. See Figure 15.

23. Slide the Forward Sprocket Gear onto the Front Sprocket Shaft. It may be necessary to rotate the Gear until it will slide on; the Gear will go on in only one position. DO NOT rotate the Front Sprocket Shaft while installing the Forward Sprocket Gear.

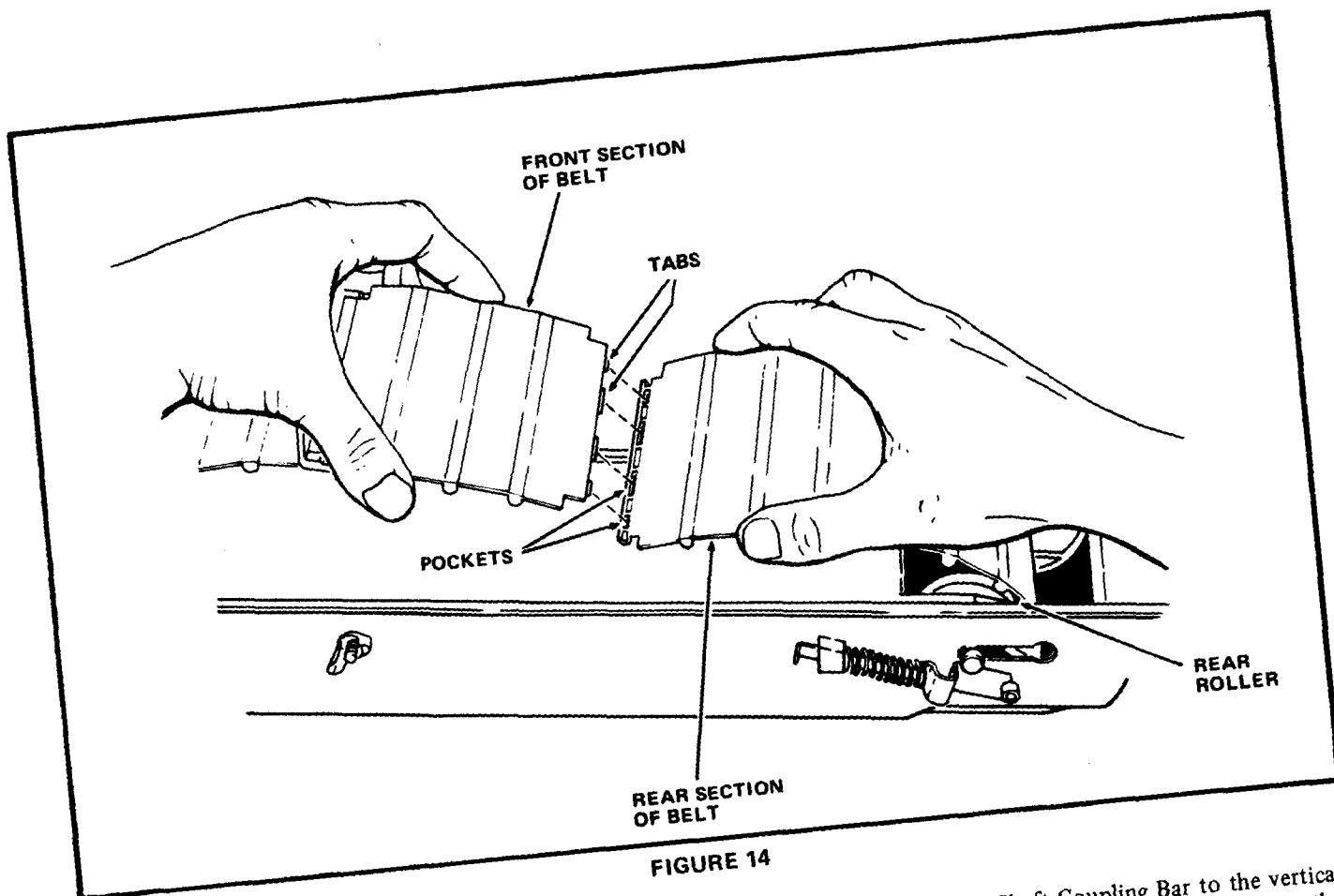


FIGURE 14

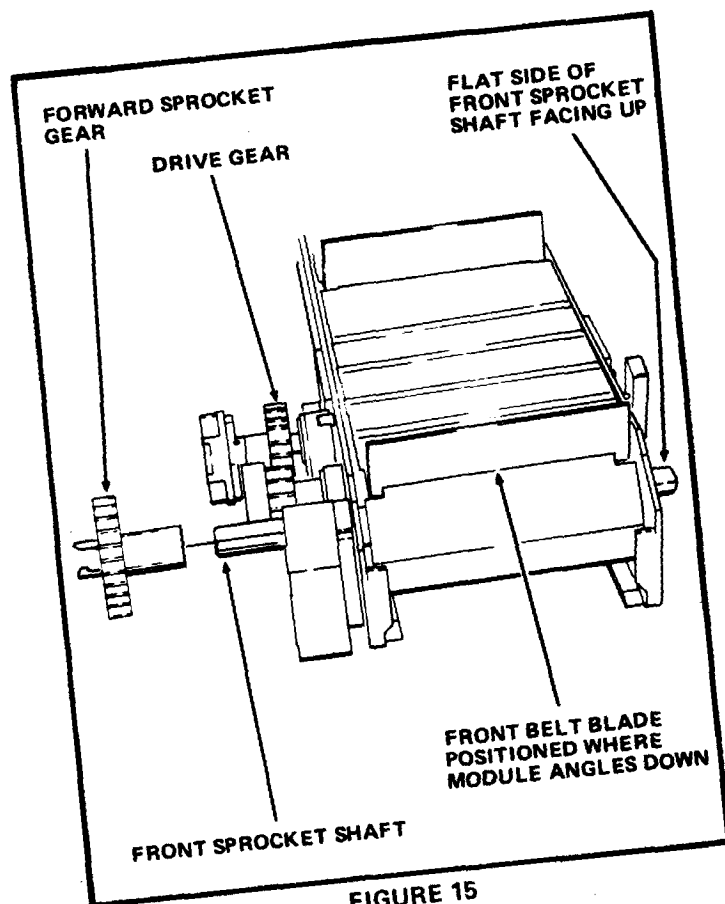
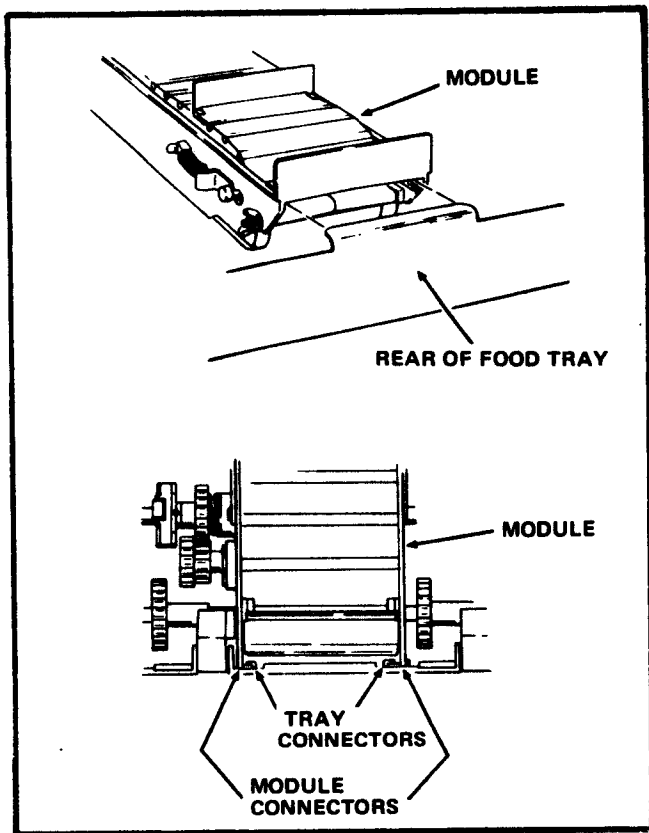


FIGURE 15

24. Turn the Drive Shaft Coupling Bar to the vertical position on both the Module removed from the Food Tray in Step A-10 and the Module in the Food Tray located to the immediate left of the removed Module. See Figure 3.
25. Insert the rear end of the removed Module on the Food Tray so that the Flange on the Food Tray is inserted into slots on the rear of the Module. See Figure 16.
26. Pull forward on the Module and push the front of the Module down so that the Food Tray and Module Connectors go together as shown in Figure 16.
27. If the Module inserted is to be linked to the Module to the left, push the Forward Sprocket Gear on the inserted Module against the Module to the left. See Figure 3.
28. If the Module inserted is to be linked to the Module to the right, push the Forward Sprocket Gear on the Module to the right against the inserted Module. See Figure 3.
29. Replace the Tray Cover Assemblies removed in Step A-7.





**FIGURE 16**

- a. Insert the Tray Cover Assembly onto the Module Flanges as shown in Figure 17.
- b. Push the Tray Cover Assembly back until the front of the Tray Cover Divider is inserted on the front set of Flanges on the Module. See Figure 17.

- c. Pull the Front Tray Cover forward and push it down. Be sure the Arms on the Front Tray Cover are inserted between the Modules. See Figure 17.

30. Replace the Product Dividers removed in Step A-6.

- a. Insert the Rear Tab on the Product Divider into the desired slot in the Tray Cover Spring. See Figure 2.
- b. Pull the Product Divider forward and insert the Front Tab on the Product Divider into the appropriate slot in the Front Tray Cover. The Product Divider must be parallel with the adjacent Product Belt. See Figure 2.

31. Slide the Food Tray fully into the Merchandiser.

32. Close the Display Door.

33. Move the Main Switch to the ON position.

34. Close and lock the Monetary Compartment.

#### C. CHECKS AND ADJUSTMENTS

Test Vend the Merchandiser pressing the appropriate Selection Button to check the operation of the Module with the newly installed Driveshaft Pinned Coupling.

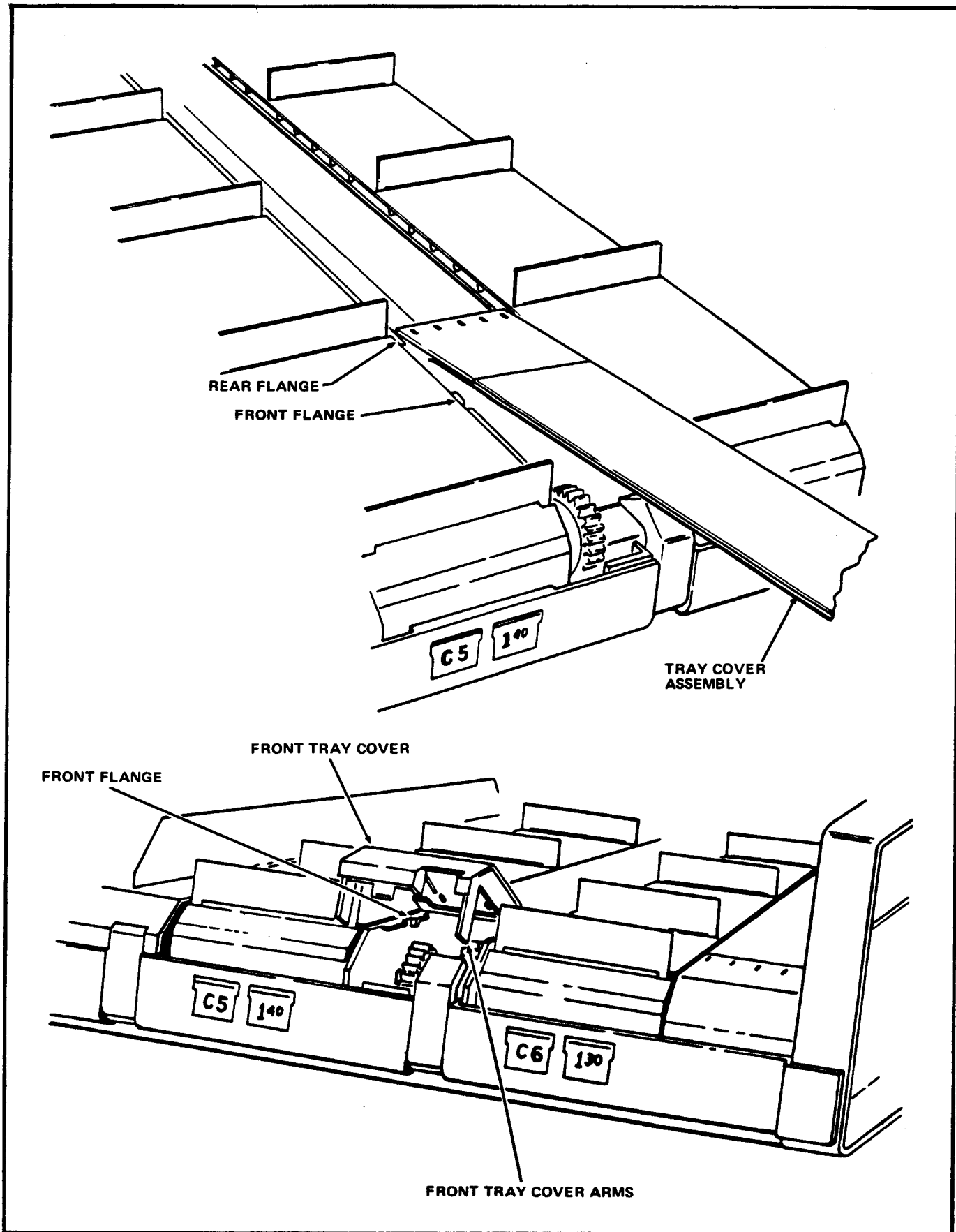


FIGURE 17

**SECTION II**  
**INSTALLATION OF THE DRIVESHAFT PINNED COUPLING REPLACEMENT KIT**  
**IN THE TRAY DRIVESHAFT ASSEMBLY**

**A. PARTS REMOVAL**

1. Unlock and open the Monetary Compartment.
2. Move the Main Switch to the OFF position.
3. Fully open the Display Door.
4. Pull the Food Tray containing the defective Drive Shaft Pinned Coupling.
5. Remove the Module located at the extreme right right of the Food Tray according to the instructions given in Section I, Steps A-5 through A-10, of these Kit Instructions.
6. Remove the attaching Retaining Ring and the Tray Driveshaft Coupling from the Tray Driveshaft Assembly. See Figure 18.
7. Remove two Cap Nuts, two Carriage Bolts and the Tray Driveshaft Assembly from the Food Tray. See Figure 18.

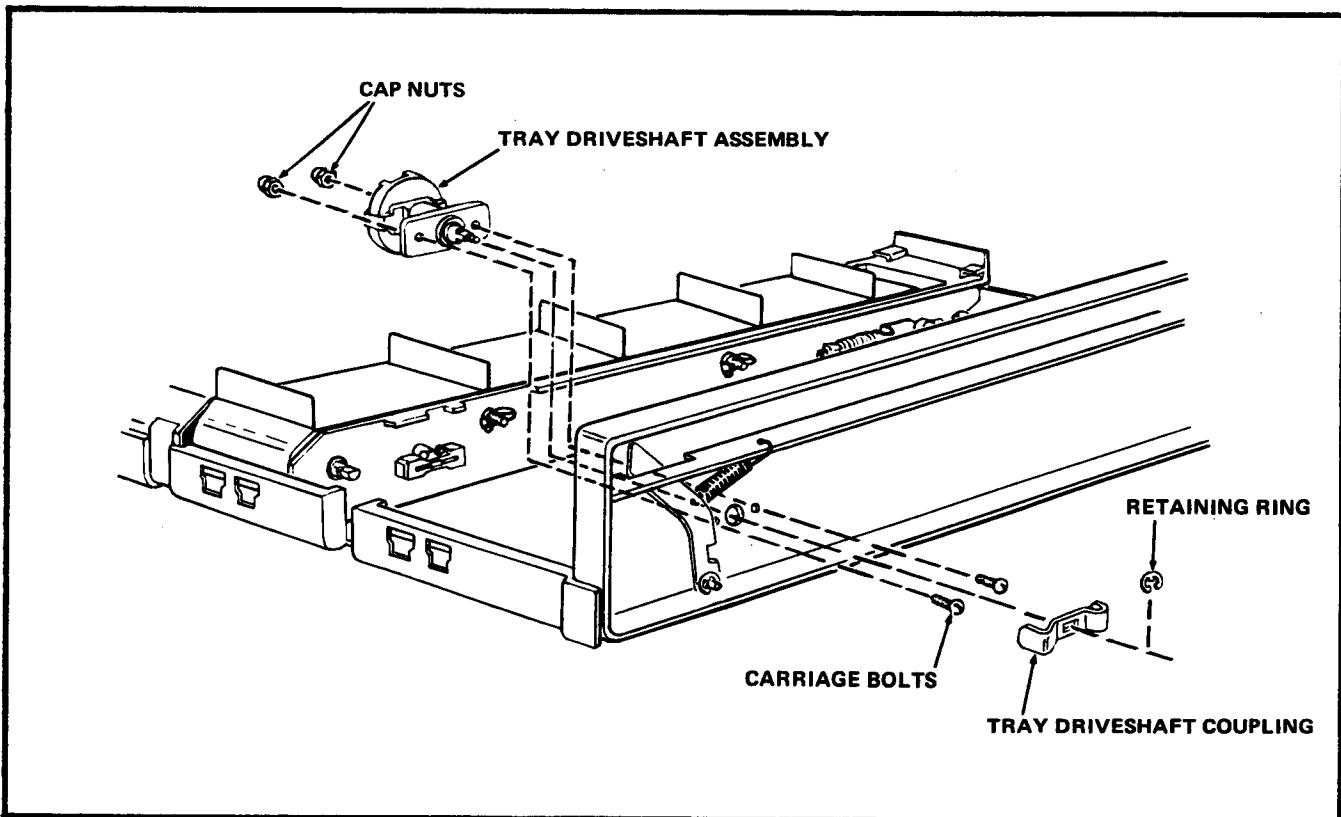
**CAUTION**

When removing the Driveshaft Roll Pin, care should be taken to avoid damaging the Driveshaft Bearing and the Dual Slide Coupling.

8. Using a 3/32" Pin Punch remove the Driveshaft Roll Pin from the Tray Driveshaft Assembly. See Figure 19.
9. Remove the Dual Slide Coupling and the Driveshaft Pinned Coupling from the Driveshaft. See Figure 19.

**B. INSTALLATION OF THE KIT**

1. Place the Dual Slide Coupling, removed in Step A-9, inside of the Driveshaft Pinned Coupling, Part Number 424-1052, included in the Kit, as shown in Figure 20.



**FIGURE 18**

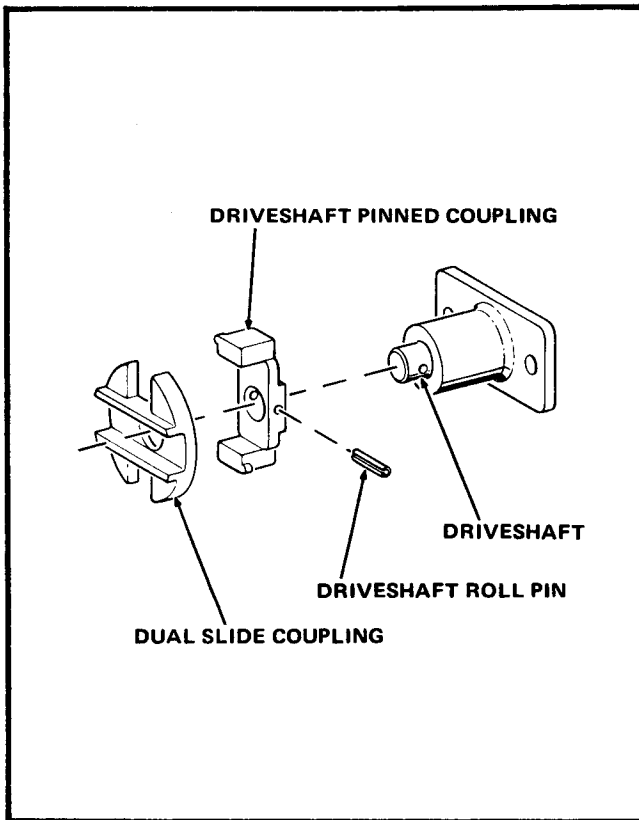


FIGURE 19

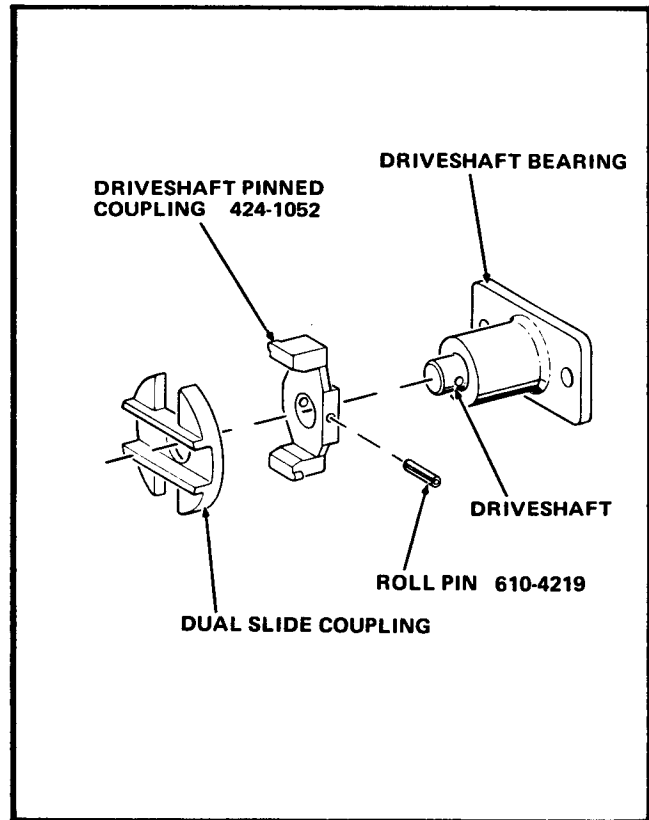


FIGURE 20

2. With the Driveshaft Bearing in place on the Driveshaft, position the Dual Slide Coupling and the Driveshaft Pinned Coupling on the Driveshaft so that the hole in the Driveshaft Pinned Coupling is aligned with the hole in the Driveshaft. See Figure 20.

**CAUTION**

When inserting the Roll Pin, care should be taken to avoid damaging the Dual Slide Coupling, the Driveshaft Pinned Coupling and the Driveshaft Bearing.

3. Using a 3/32" Pin Punch, insert the Roll Pin, Part Number 610-4219, included in the Kit, through the holes in the Driveshaft Pinned Coupling and the Driveshaft. Make sure that the Roll Pin is driven flush with the surface of the Driveshaft Pinned Coupling. See Figure 20.
4. Reinstall in the Food Tray the two Cap Nuts, two Carriage Bolts and the Tray Driveshaft Assembly, removed in Step A-7. See Figure 18.

5. Replace the Driveshaft Coupling and the Retaining Ring, removed in Step A-6. See Figure 18.
6. Reinstall in the Food Tray the Module removed in Step A-5 according to the instructions given in Section I, Steps B-24 through B-30, of these Kit Instructions.
7. Slide the Food Tray into the Merchandiser.
8. Close the Display Door.
9. Move the Main Switch to the ON position.
10. Close and lock the Monetary Compartment.

**C. CHECKS AND ADJUSTMENTS**

Test Vend the Merchandiser, pressing an appropriate Selection Button to check the operation of the Food Tray with the newly installed Driveshaft Pinned Coupling.