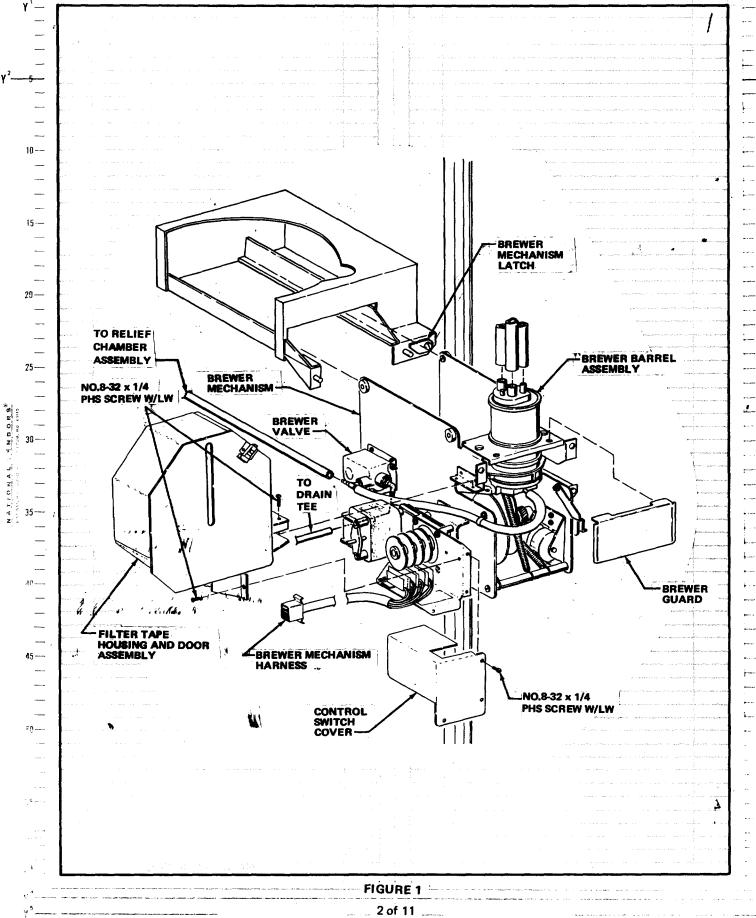
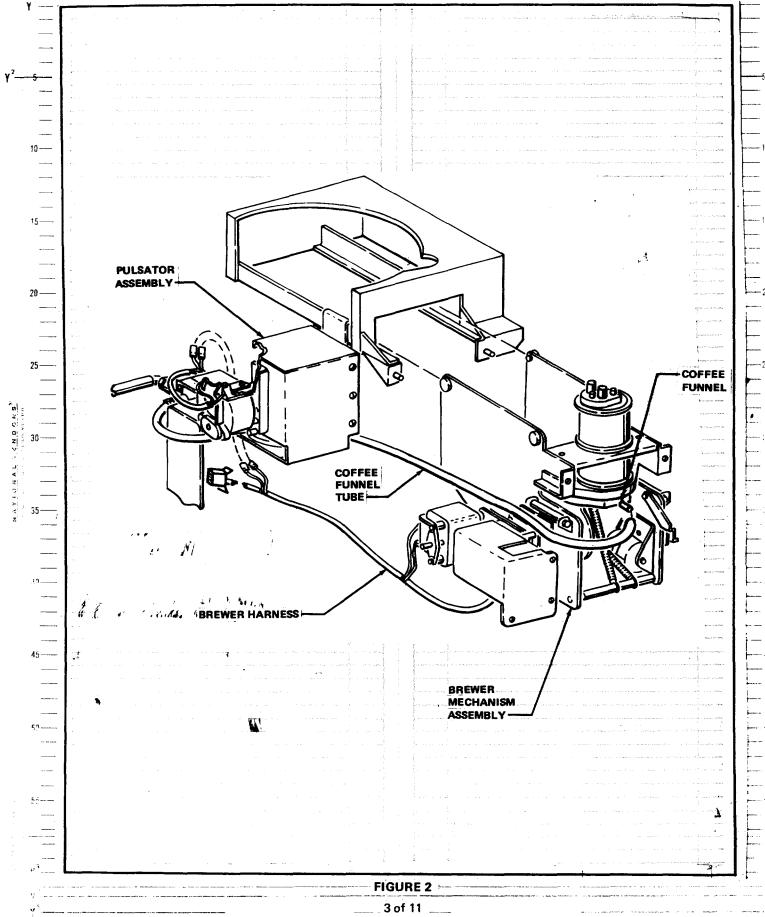
INSTRUCTIONS FOR INSTALLING A BREWER MECHANISM GROOVE PIN AND CASTINGS REPLACEMENT KIT IN A NATIONAL VENDORS®, CROWN SEVENTY TWO SERIES OR GOLDEN FURNITURE LINE, HBM-72Q HOT BEVERAGE MERCHANDISER

These instructions cover the for the Brewer Mechanism Greplacement in any Crown Sever Furniture Line, HBM-72Q Hot Be	Groove Pin and nty Two, Series or	Castings		ti	Disconnect the tubing from the Brewer Valve on he left side of the Brewer Mechanism. See Figure
for the Brewer Mechanism G replacement in any Crown Sever Furniture Line, HBM-72Q Hot Be Read these instructions of	Groove Pin and nty Two, Series or	Castings		ti	he left side of the Brewer Mechanism. See Figure
replacement in any Crown Sever Furniture Line, HBM-72Q Hot Be Read these instructions of	nty Two, Series or			_	
Furniture Line, HBM-72Q Hot Be Read these instructions of		Goldell		1.	
Read these instructions of	PUPTOUP METCHONAIS			1	
	cvorage merchandis	ser.		, .	D Al. Dut Com Al. Dunne Daniel
					Remove the Tubes from the Brewer Barrel
				P	Assembly. See Figure 1.
before proceeding with the actua					
procedures. Retain the instructi					Remove the Brewer Guard from the Brewer
_ replacement information. Kit	613-4162 include	des the		N	Mechanism. See Figure 1.
_ following parts:					
					NOTE
Part Number Description	(Quantity .			.
					8 and 11 apply only to Merchandisers equipped to -
610-4133 1/4-20 Self Loc	king Hex Nut	2 .	us	se Filter	Paper.
610-4132 Barrel Support	Channel	:			Pos.
Compression St	pring	2 .		8. 1	Tear the Filter Paper and discard in the Waste Pail
611-4277 Barrel Support	Channel Screw	2 .			•
610-4462 Groove Pin		1 .		9. t	Unlatch the Brewer Mechanism and carefully slide -
610-4122 Funnel Mount	Lever Assembly	4			the Brewer and Housing Assembly out of the
613-4104 Funnel Mount	•	2			Merchandiser. See Figure 1.
610-4409 No.10-32 x 1/2				•	
W/Lockwasher		A		10 F	Remove the Control Switch Cover by removing.
610-4386 Basket Lever A	ssembly	1			three No.8-32 x 1/4 Pan Head Screws with
610-4142 Brewer Seal	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2			Lockwashers. See Figure 1.
613-4156 Installation Inst	tructions	1		•	Econ Washers. See Tigore 1.
# # #	ti dottoris			11 1	Remove the Filter Tape Housing and Door
TO INCTALL THE VIT.				Assembly by removing four No.8-32 x 1/4 Pan.	
_ TO INSTALL THE KIT:				1	Head Screws with Lockwashers. See Figure 1.
A DADTO BENOVAT				10.	Manager and the Code Dueles on the Dueman
A. PARTS REMOVAL				Manually rotate the Cork Brake on the Brewer	
1. Unlock and open the Cabinet Door.					Mechanism Motor Assembly in a
		promotion addressed		counter-clockwise direction to fully open the	
				1	Basket Lever Assembly. See Figure 3.
2. Place the Main Power S	watch in the Merc	handiser		10.	
in the "OFE" position.					Rotate the Brewer Basket Assembly one-quarter
					turn clockwise to align the ears on the Brewer
3. Disconnect the Brewer Mechanism Harness from					Basket Assembly with the slots in the Basket Lever
the Merchandiser. See I					Assembly. Lower the Brewer Basket Assembly out
enot equipped with a Puls				C	of the Basket Lever Assembly. See Figure 4.
2 if Merchandiser is e	equipped with a	Pulsator			
Assembly.					Rotate the Brewer Barrel Assembly until the ears
<u></u>	<u>4.7</u> 1				on the Brewer Barrel align with the slots in the
NOTE	***	•			Barrel Support Channel. Lift the Brewer Barrel
				1	Assembly out of the Brewer Mechanism. See
Step 4 applies only to Merc	chandisers equippe	ed with a		Į	Figure 4.
Pulsator Assembly.					· .
			tur in	15. I	Remove the Brewer Seal from the Brewer Barrel!
4. Remove the Coffee Fur	nnel Tube from th	e Coffee			Assembly. See Figure 4.
Funnel. See Figure 2.					to great the control of the control
•••					er a manager a magazi se propinsi se
NOTE					NOTE
Step 5 applies only to Me	erchandisers not e	equipped		Step	16 applies only to Merchandisers not equipped
with a Pulsator Assembly.					ulsator Assembly.
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	i		ed in U.		
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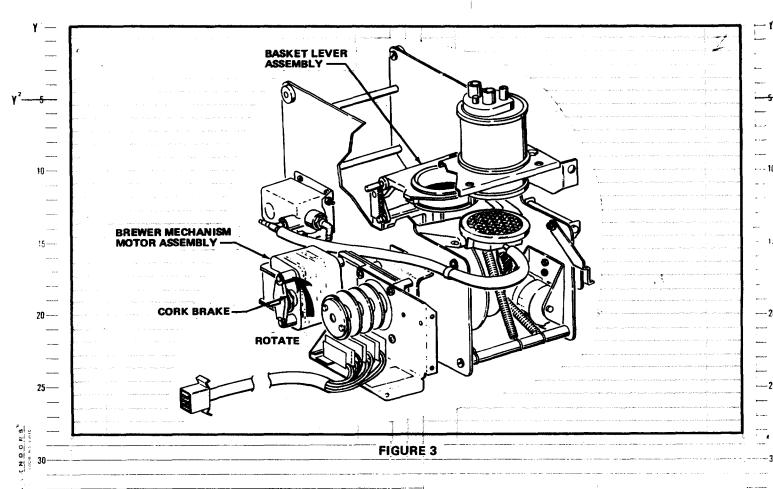
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- Remove the Coffee Funnel Tube from the Coffee Funnel Assembly. See Figure 4.
- 17. Tilt the front edge of the Coffee Funnel Assembly down and slide the Funnel off the Pins on the Funnel Mount Lever Assembly. See Figure 4.
- 18. Remove the Brewer Seal from the Coffee Funnel
 Assembly. See Figure 4.
- 19. Remove the three Extension Springs from the Spring Mounting Spacer to the Flip Lever Assembly, Funnel Mount Lever Assembly and Basket Lever Assembly. See Figure 4.
- 20. Remove the four No.10-32 x 1-1/2 Pan Head Screws with Lockwashers and lift out the Switch Mounting Bracket Assembly and the Brewer Motor Assembly. See Figure 4.
- 21. Remove the damaged tapered Groove Pin from the Brewer Mechanism Cam Shaft. See Figure 5.
- 22. Slightly loosen the six No.10-32 x 1/2 PHS Screws with Lockwashers attaching the two rear Brewer Lever Shafts and the front Spring Mounting Spacer. See Figure 6.

- 23. Remove the Flip Lever Assembly, Basket Lever _____ Assembly, and Brewer Lever Shaft by removing _____ the two No.10-32 x 1/2 PHS Screws with _____ 35 Lockwashers. See Figure 6.
- 24. Remove the Funnel Mount Lever Assembly, and ____ the two Funnel Mount Pivot Studs by removing ____ the two No.10-32 x 1/2 PHS Screws Lockwashers. ____ see Figure 6.
- 25. Remove the two 1/4-20 Self Locking Hex Nuts, ____ two Barrel Support Channel Compression Springs ___ and two Barrel Support Channel Screws attaching ____ the Barrel Support Channel to the Sidewalls. See ____ Figure 6.

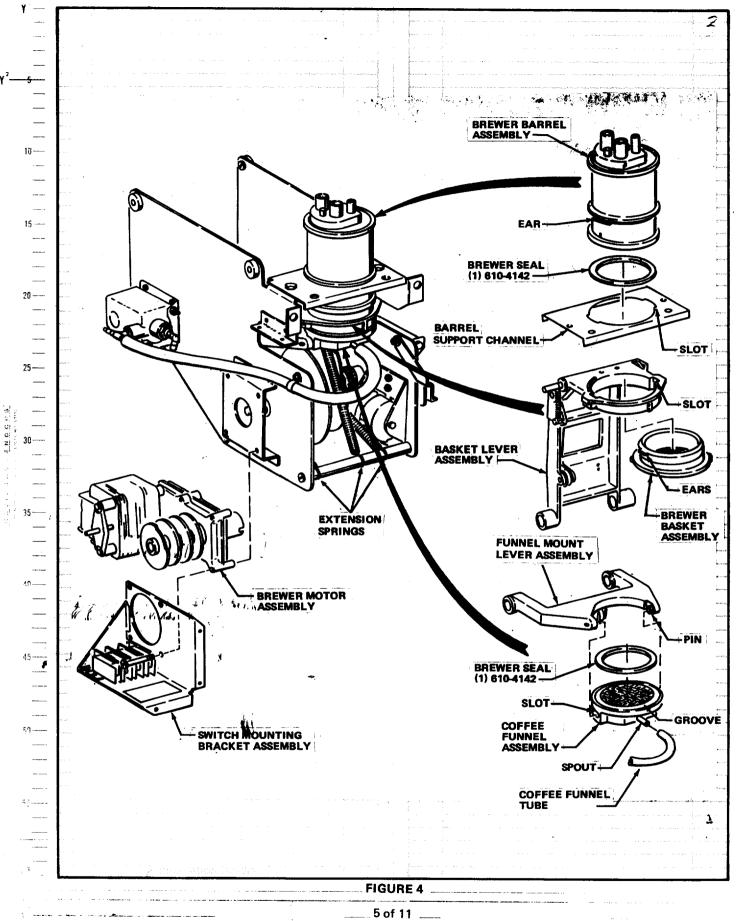
B. INSTALLATION

1. Attach the Barrel Support Channel to the Sidewalls and secure with the two replacement Barrel Support Channel Screws, Part Number 611-4277, two Barrel Support Channel Compression Springs, Part Number 610-4132, and two 1/4-20 Self Locking Hex Nuts, Part Number 610-4133 all included in the Kit. See Figure 6. Tighten the 1/4-20 Self Locking Hex Nuts until the Barrel Support Channel Screws extend 1/16-inch beyond the Hex Nuts. See insert in Figure 7.

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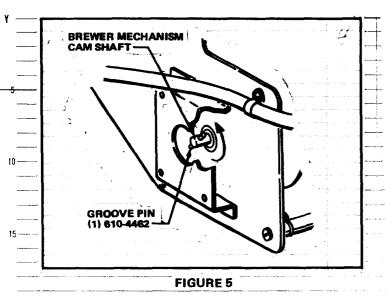


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- 2. Install the replacement Funnel Mount Lever
 Assembly, Part Number 610-4122, and the two
 replacement Funnel Mount Pivot Studs, Part
 Number 613-4104, in the Brewer Mechanism and
 secure with two No.10-32 x 1/2 PHS Screws with
 Lockwashers, Part Number 610-4409, all included
 in the Kit. See Figure 6.
- 3. Remove the defective Basket Lever Assembly from the Brewer Lever Shaft and replace with the replacement Basket Lever Assembly, Part Number 610-4386, included in the Kit. See Figure 8.
- 4. Install the Flip Lever Assembly, replacement

 Basket Lever Assembly and Brewer Lever Shaft

 making sure the Basket Lever Assembly is in the
 front of the rear Travel Stop and the longer Spring

 Post is on top of the Flip Arm Assembly; then
 adjust the Flip Arm Assembly and the Flip Lever

 Assembly, so the plastic roller fits into the slot of
 the Flip Arm Assembly. See Figure 9.
- holes in the sidewalls, and position the free end of the Brewer Stiffener over the hole in the Right Sidewall and attach using the two No.10-32 x 1/2 PHS Screws with Lockwashers, Part Number 610-4409, included in the Right See Figure 9.
 - 6. Tighten the six No.10-32 x 1/2 PHS Screws which secure the two rear Brewer Lever Shafts and the front Spring Mounting Spacer. See Figure 6.
 - 7. Install the replacement Groove Pin, Part Number
 610-4462, included in the Kit. Tap the small end
 of the tapered Groove Pin in the hole of the Cam
 Shaft until the Groove Pin is centered in the shaft.

 See Figure 5.

 15. Attach the Coffee the Coffee Funnel A

- 8. Install the Brewer Motor Assembly and Switch

 Mounting Bracket Assembly making sure the
 replacement Groove Pin fits in the slotted
 Coupling of the Brewer Motor Assembly. Secure
 with four No.10-32 x 1-1/2 Pan Head Screws with
 Lockwashers. See Figure 4.
- 9. Manually rotate the Cork Brake on the Brewer Mechanism Motor Assembly in a counter-clockwise direction until the wheel on the 10 Funnel Mount Lever Assembly is between the two lines on the Funnel Cam. See Figure 10.
- 10. With the Brewer Mechanism in the position as described in step "9", check that the Brewer Motor Cam holds the Full Cycle Switch and Coffee Drop Switch in the "NO" position and the Brew Safety Switch and C.R.E.M. Switch in the "NC" position. If it does not, remove the Brewer Motor Assembly and Switch Mounting Bracket Assembly, as in Figure 4, rotate the Cam Shaft in the Brewer Mechanism 180 degrees, as in Figure 5, and repeat step 8. See Figure 10.
- 11. Manually rotate the Cork Brake on the Brewer --- 25

 Mechanism Motor Shaft in a counter-clockwise --
 direction to fully open the Basket Lever Assembly. --
 See Figure 3.
- 12. Install the Brewer Basket Assembly by placing the
 Basket into the carrier from the underside of the
 Basket Lever Assembly. Align the ears on the
 Brewer Basket Assembly with the slots in the
 Basket Lever Assembly. Rotate the Brewer
 Assembly counter clockwise one-quarter turn until
 the Brewer Basket locks in the Brewer Basket
 Stop. See Figure 4.
- 13. Install the Brewer Seal, Part Number 610-4142, included in the Kit, in the groove of the Coffee Funnel Assembly, by pushing the Brewer Seal on opposite sides until it seats in the groove. See Figure 4.
- 14. Install the Coffee Funnel Assembly by sliding the Funnel onto the Pins of the Funnel Mount Lever Assembly. Check that the flat sides of the slots in the Funnel are aligned with the flat sides of the Pins. Rotate the Funnel into place. See Figure 4.

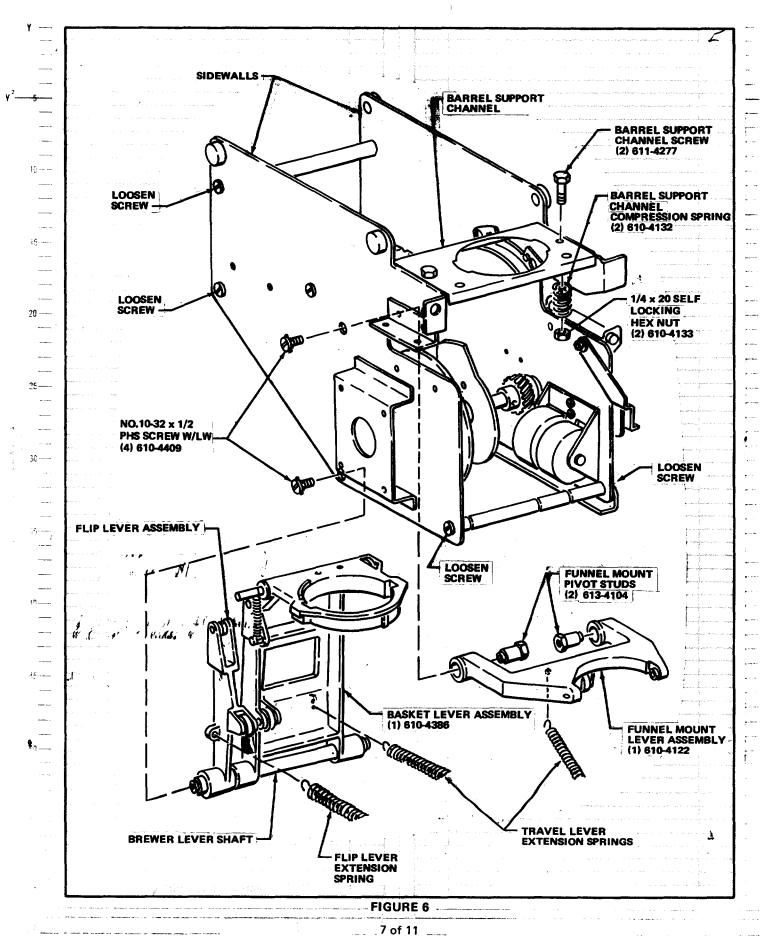
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Step 15 applies only to Merchandisers not equipped with a Pulsator Assembly.

15. Attach the Coffee Funnel Hose to the spout on the Coffee Funnel Assembly. See Figure 4.

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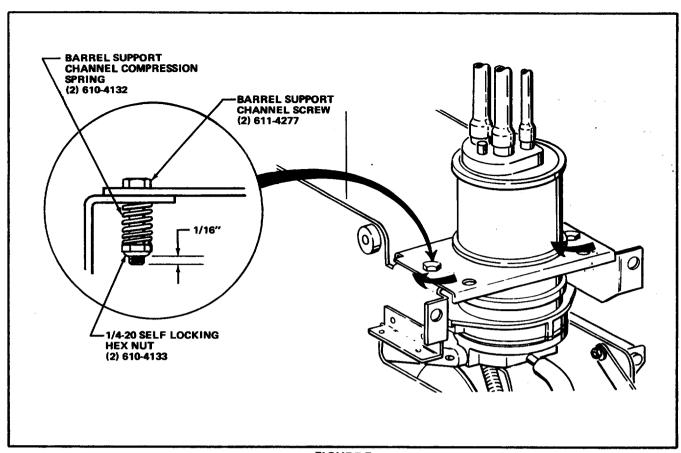


FIGURE 7

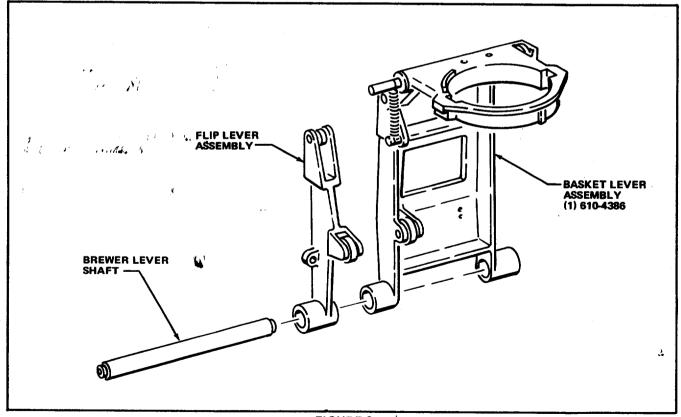


FIGURE 8

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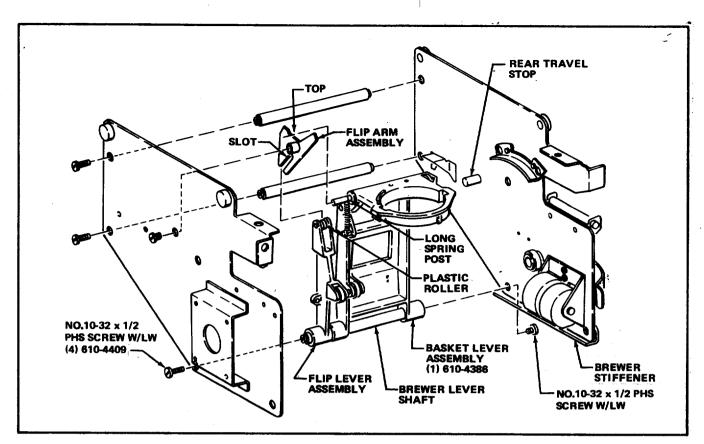


FIGURE 9

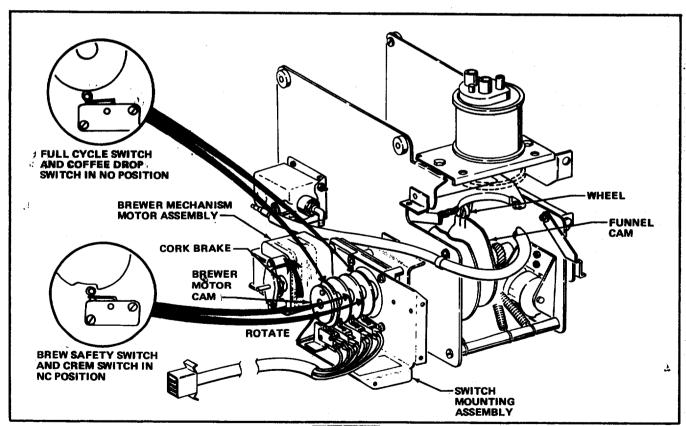
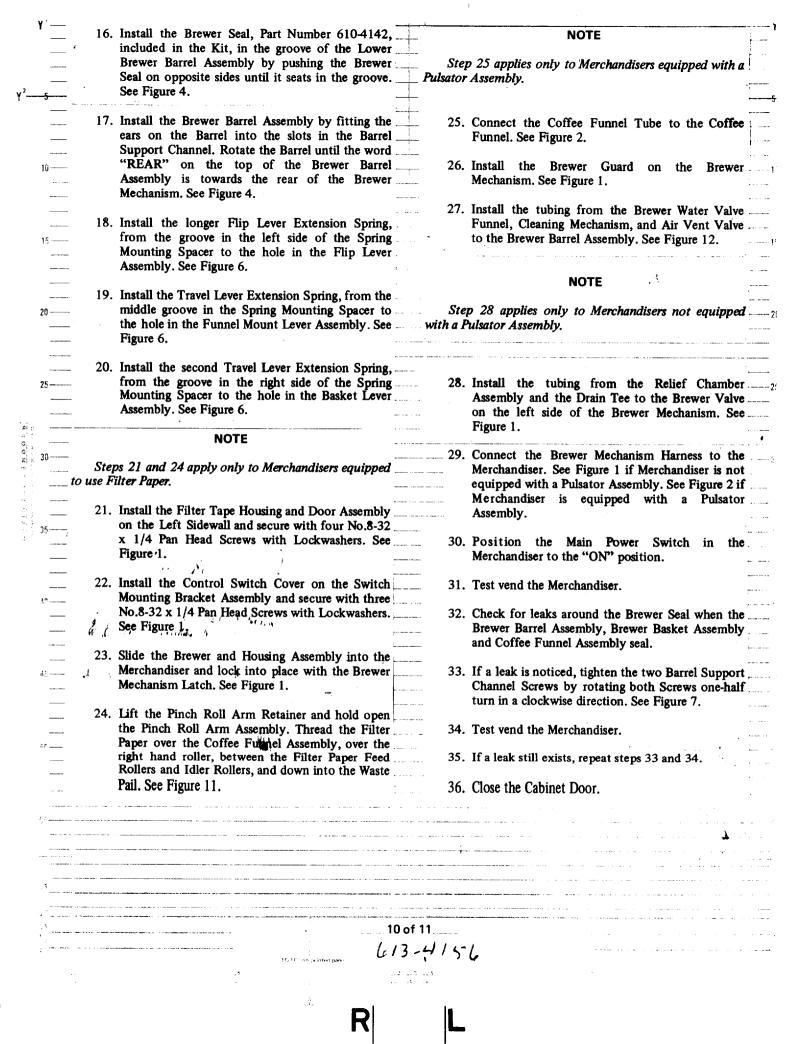


FIGURE 10

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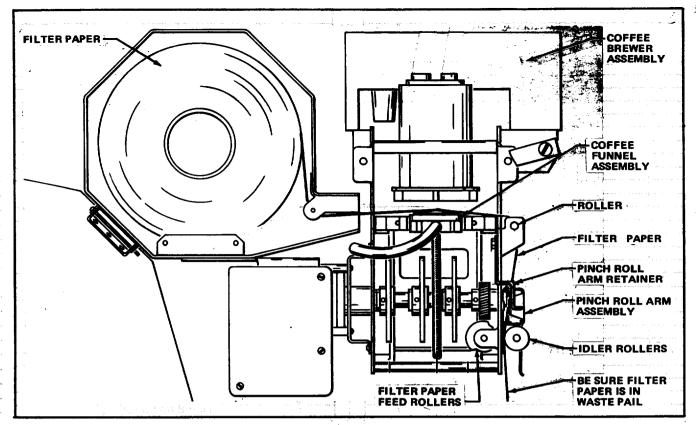


FIGURE 11

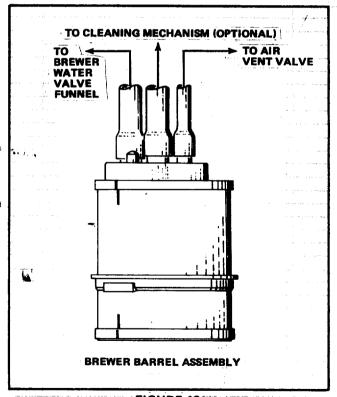


FIGURE 12

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