

MODIFICATION INSTRUCTIONS

for the

***KODAK* MULTILOADER 700**

Service Code 3053

Modification No. 19

TYPE 2

PURPOSE:

To replace the FILM POCKET CLUTCH SPRINGS

SERIAL NUMBERS: for 50Hz Units up to SN 2022

for 60Hz Units up to SN 5931

INSTALLATION TIME: Approx. 3.0 hours

PARTS REQUIREMENTS: Modification Kit 9193705

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PARTS LIST

PART-NO.	DESCRIPTION	QUANTITY
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9193705..... MOD KIT 19

The KIT contains:

4282781.....	SCREW M3x10.....	1
4281631.....	SCREW M5x25.....	1
4853236.....	NUT M4.....	1
4853256.....	LOCK NUT M4 with blue insert	2
4527541.....	GROMMET.....	1
9284541.....	CONNECTING ROD.....	1
9219841.....	SPRING HOOK 1.....	1
9219851.....	SPRING HOOK 2.....	1
9219831.....	REJECTER SPRING.....	1
9225780.....	CLUTCH SPRING	1
9215803.....	CLUTCH DISK 1	1
9215793.....	CLUTCH DISK 2	1
9219901.....	RING.....	1
4500551.....	C-RING.....	1

INTRODUCTION

With the existing clutch design, it is very time consuming to replace a broken spring. With the new clutch design it will take only a few minutes to replace a broken spring. In addition the replacement of a spring in the new clutch assembly does not require any adjustments.

CAUTION

Do not change the routing of the cables in the FILM POCKET AREA. If you took off a cable, install it as it was. If modification 14 is installed, use mod 14 as reference.

INSTALLATION

1. Take out the MAGAZINES.
2. Switch off the ML700 and disconnect it from the mains.
3. Separate the ML700 from the PROCESSOR and move it to a convenient place.
4. Take off the REAR PANEL.
5. Take off the right-hand and left-hand NUT at the FILM REJECTER.

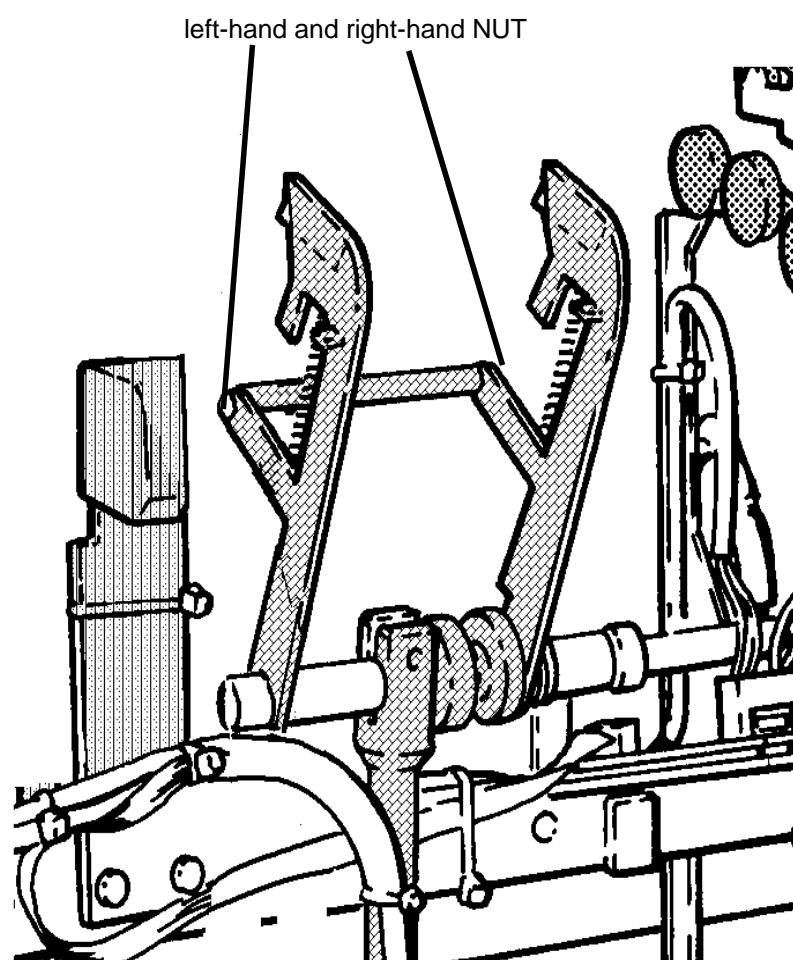


figure 1

6. Take off the left-hand FILM GUIDE.

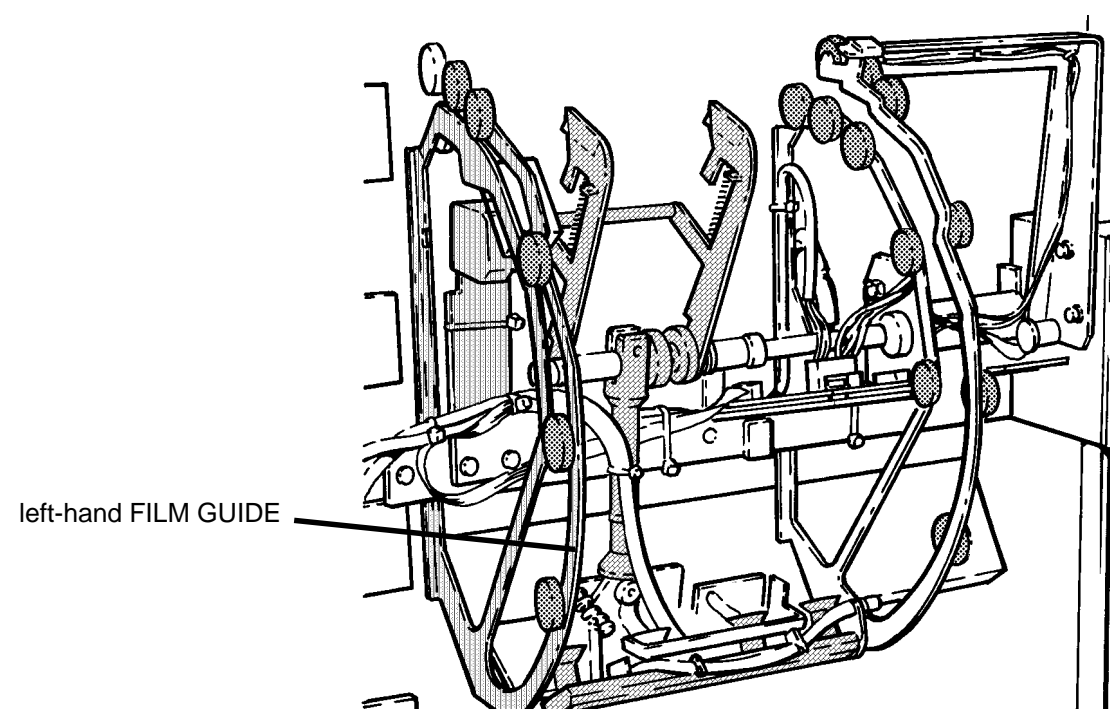


figure 2

7. Slide out the left-hand FILM REJECTER.

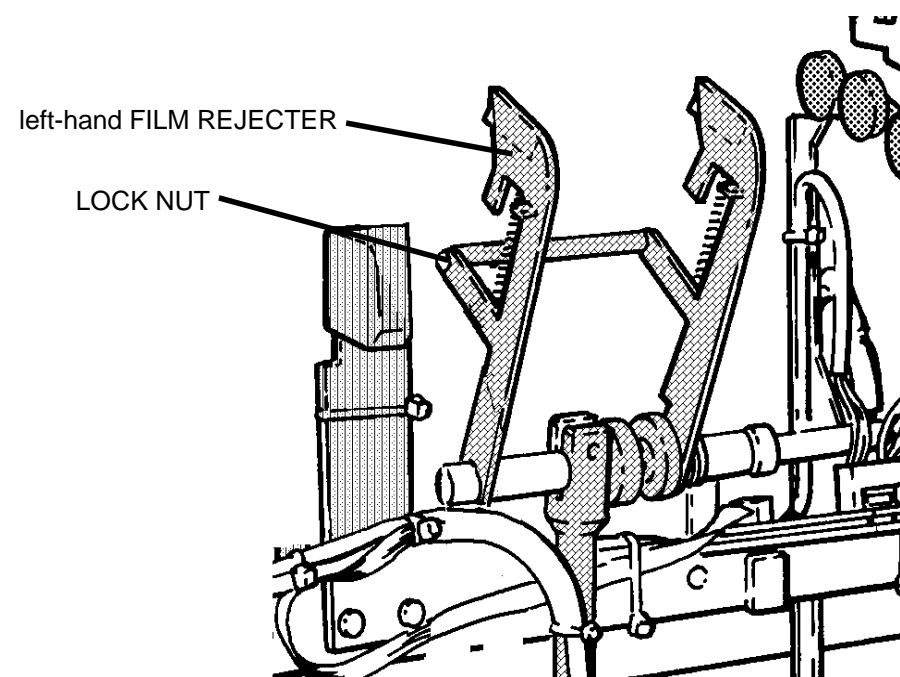


figure 3

8. Take out the CONNECTING ROD between the FILM REJECTER and discard it.

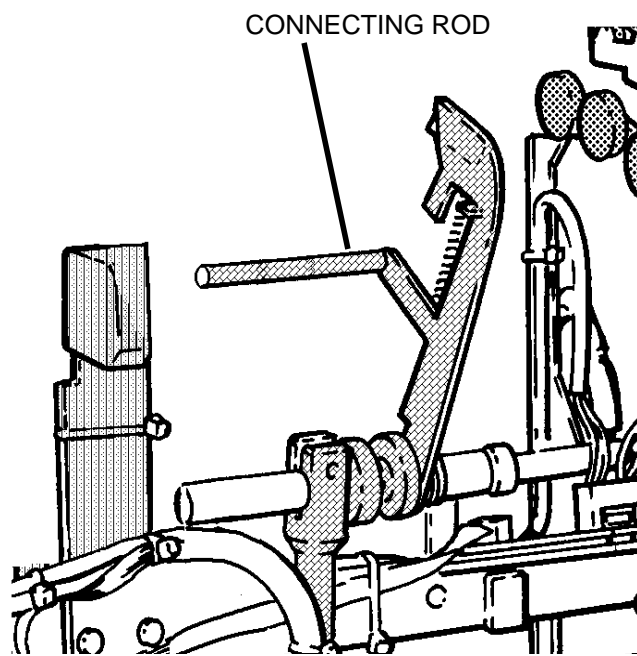


figure 4

9. Loosen the MOUNTING SCREW of the FILM POCKET ARM and slide out the FILM POCKET ARM carefully. Fix it with a piece of tape to the right-hand FILM GUIDE to prevent the cabling from breaking.

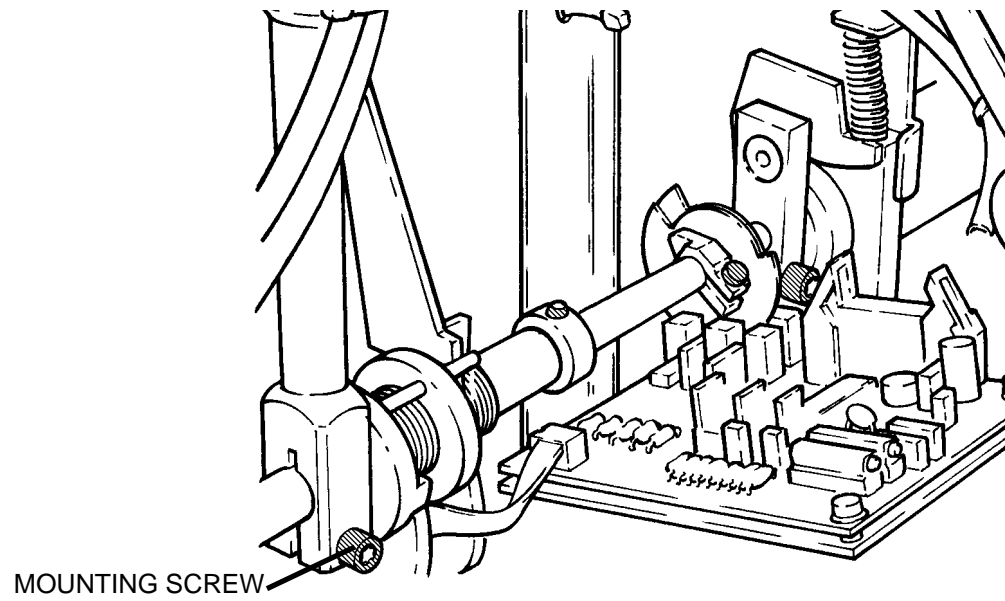


figure 5

10. Slide out the old CLUTCH ASSEMBLY and discard it.

11. Slide out the right-hand FILM REJECTER and discard the SPRING.

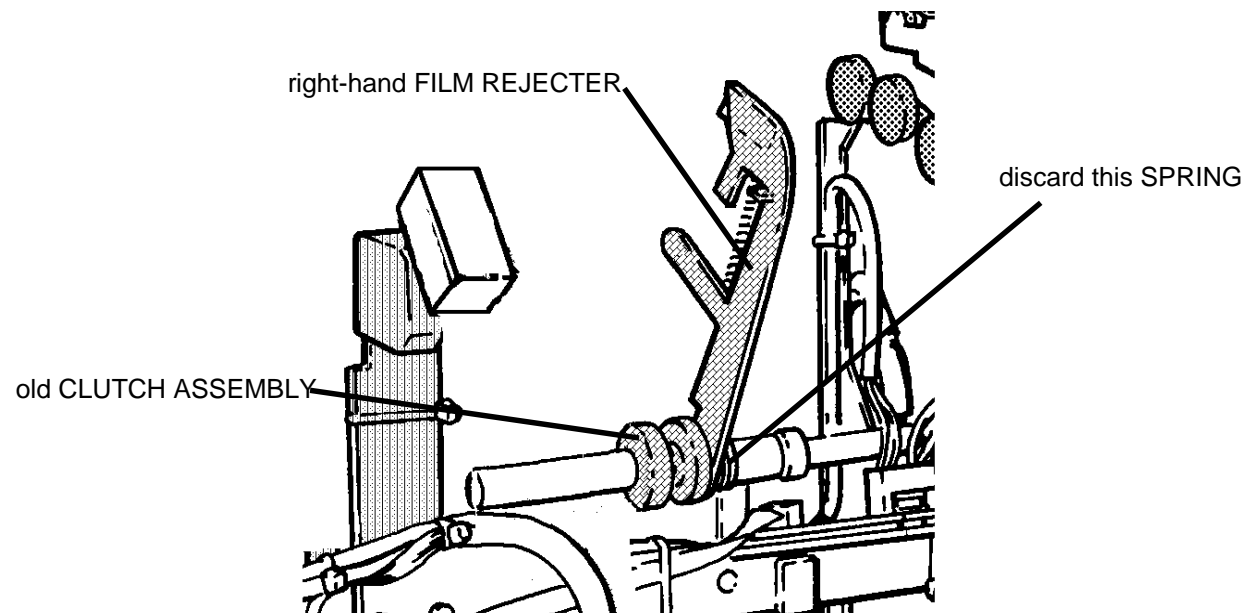


figure 6

12. Mount SPRING_HOOK_2 to PCB A7. Use SCREW 4282781 from the KIT.

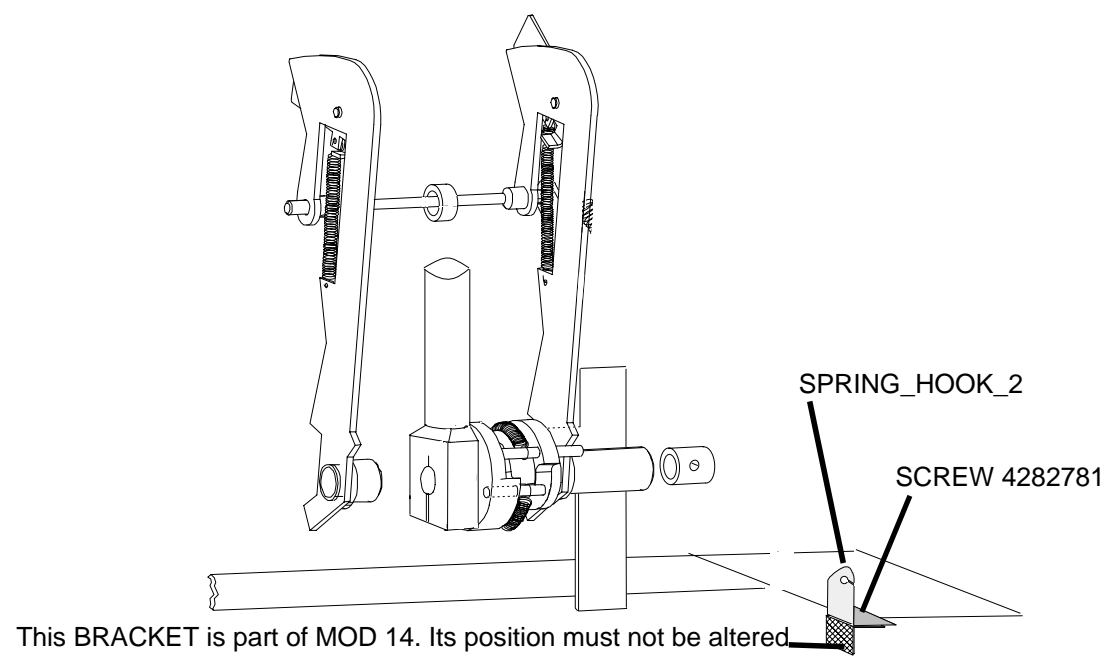


figure 7

13. Slide in the right-hand FILM REJECTER.

14. Lubricate the new CLUTCH ASSEMBLY with a small amount of PLASTILUBE WITH MOLY TL2201 .

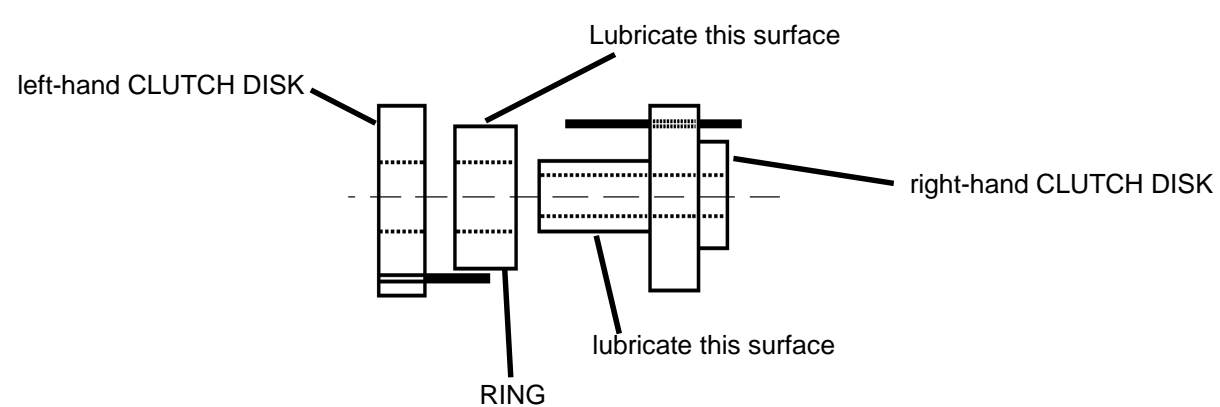


figure 8

15. Ensure that the CLUTCH SPRING 9225780 is mounted as shown.

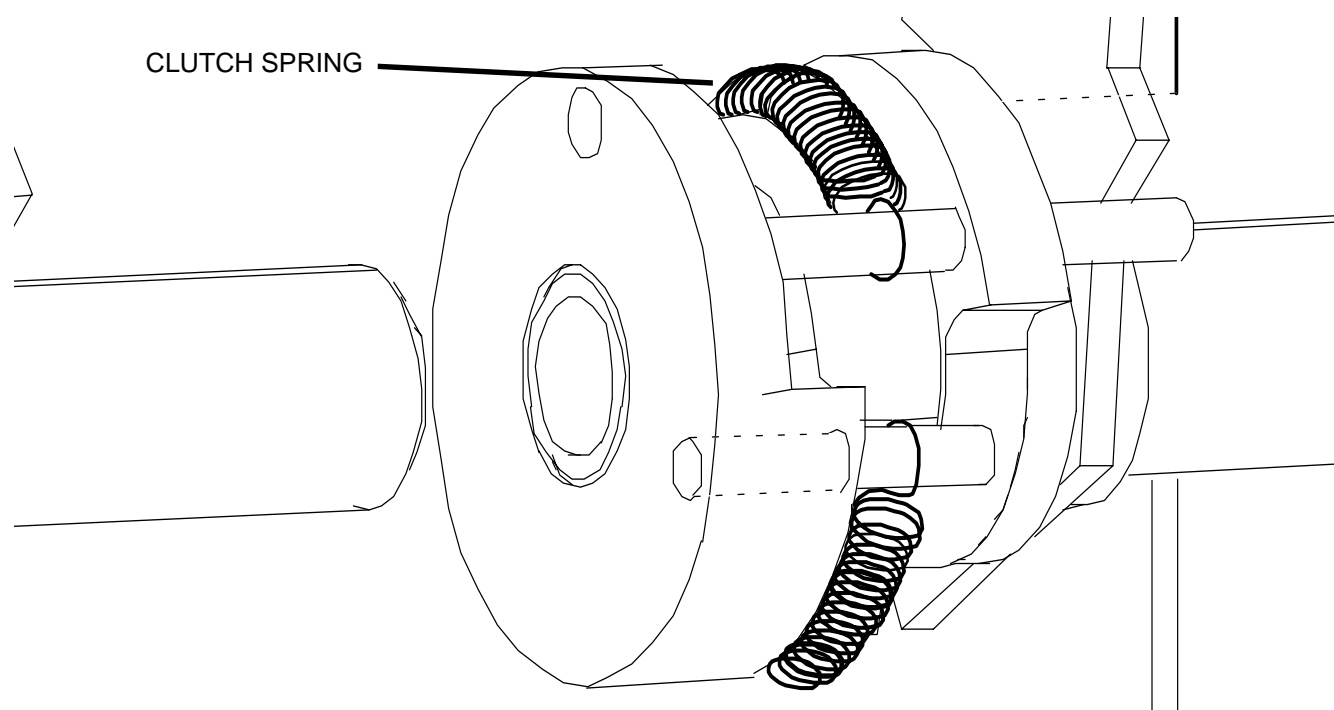


figure 9

16. Slide in the new CLUTCH ASSEMBLY.

17. Ensure that the long PIN is in front of the right-hand FILM REJECTER.

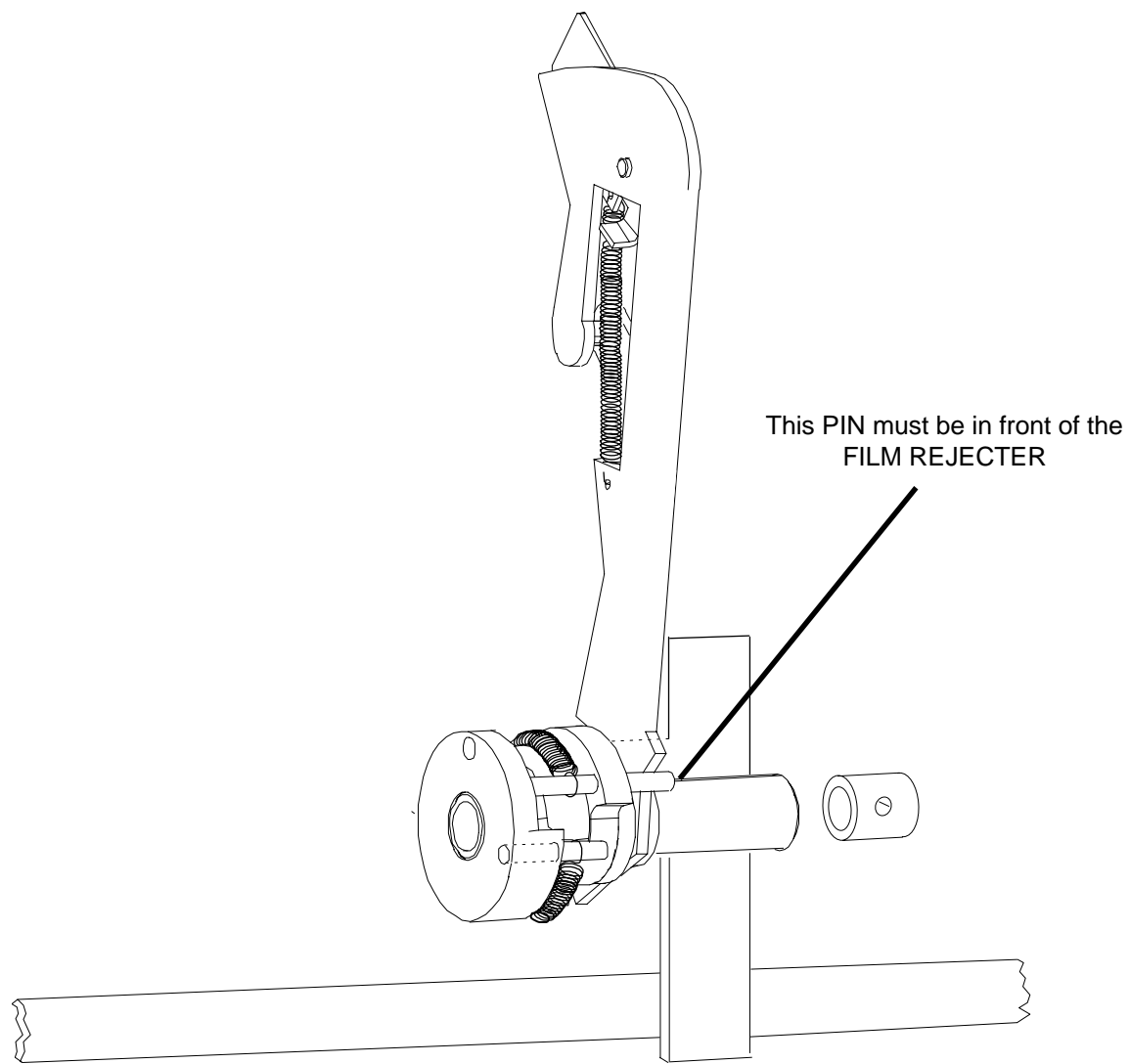


figure 10

18. Slide in the FILM POCKET ARM and engage it with the CLUTCH ASSEMBLY. Move it fully to the COLLAR. See the drawing on the next page.

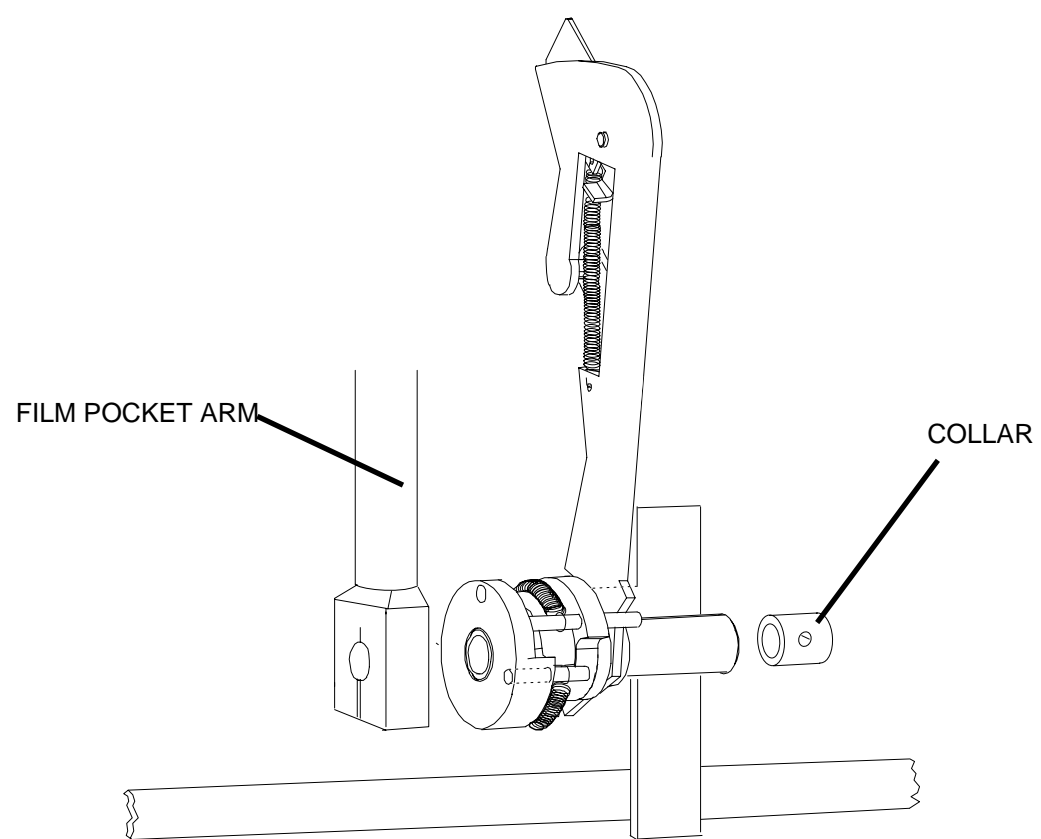


figure 11

19. Engage the DETENT in its upper position.

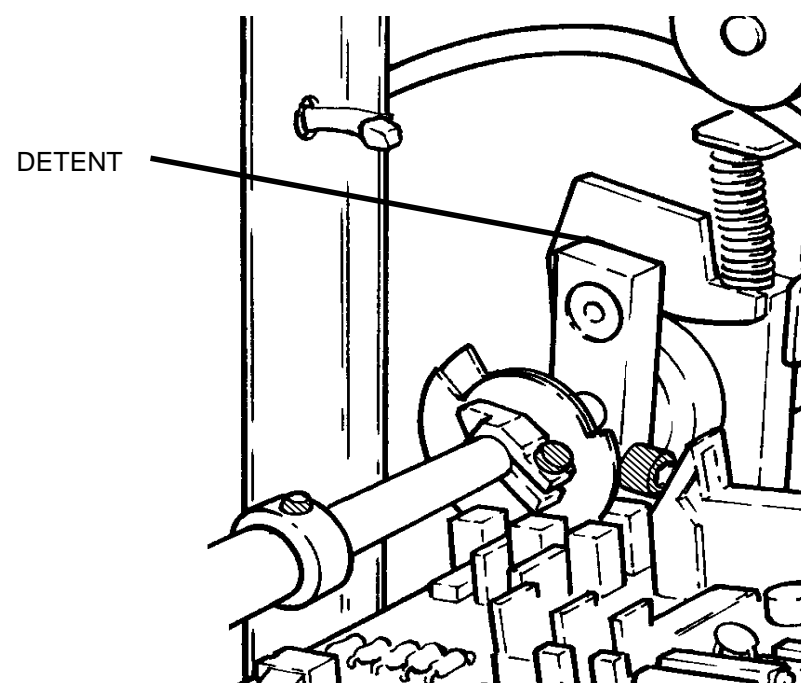


figure 12

- 20.** Rotate the FILM POCKET ARM in the fully upright position. Press it with little force against the COLLAR.
- 21.** Tighten the FILM POCKET ARM SCREW. If the SCREW HEAD is worn out, use the new SCREW 4281631 from the KIT.
- 22.** Insert the new CONNECTING ROD with the long thread into the right-hand FILM REJECTER. If the RUBBER GROMMET is not on the ROD mount it first.

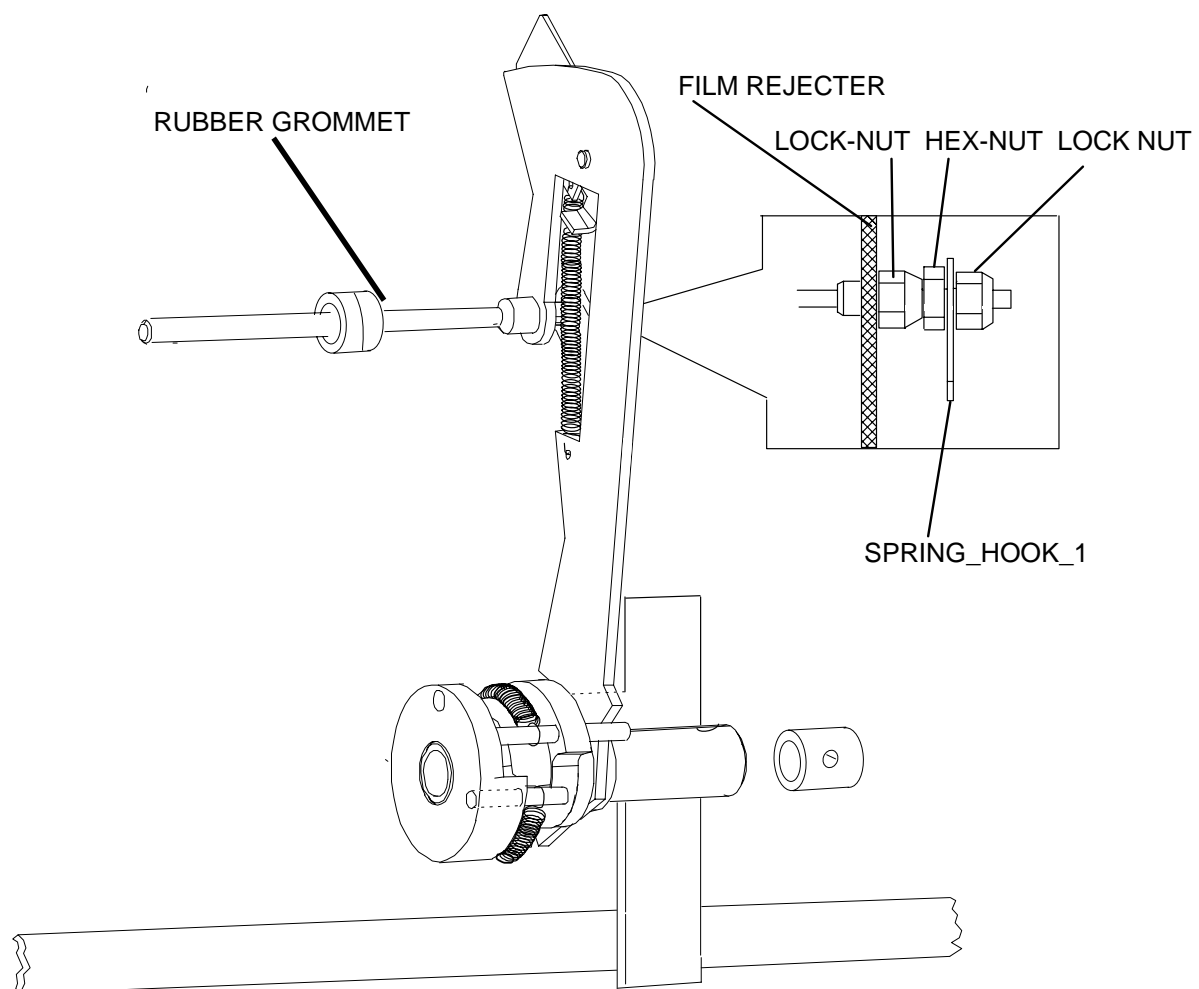


figure 13

- 23.** Tighten the ROD with 1 LOCK-NUT. Mount the additional HEX NUT from the KIT onto the LOCK NUT. The HEX NUT is used as a SPACER.
- 24.** Mount SPRING_HOOK_1 to the right of the HEX NUT and secure it with the LOCK NUT. Do not fasten the LOCK NUT at this time.

- 25.** Slide the left-hand FILM REJECTER on the FILM POCKET SHAFT. Engage it with the short none-thread end of the CONNECTING ROD. Secure it with the C-RING.

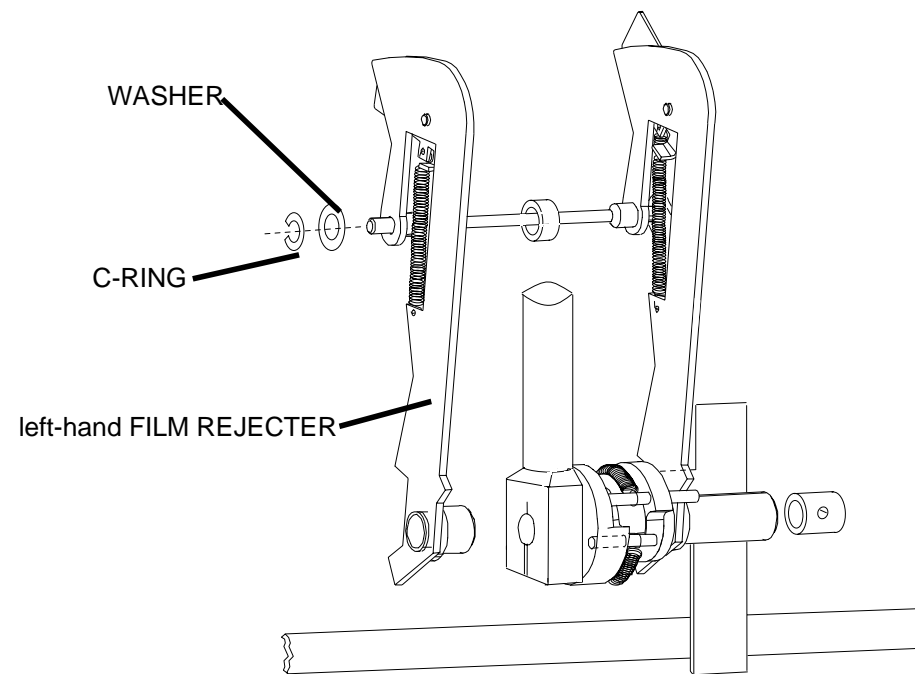


figure 14

- 26.** Rotate the FILM POCKET ARM fully down. Engage the REJECTER SPRING between SPRING_HOOK_1 and SPRING_HOOK_2. Fasten the LOCK NUT of SPRING_HOOK_1.

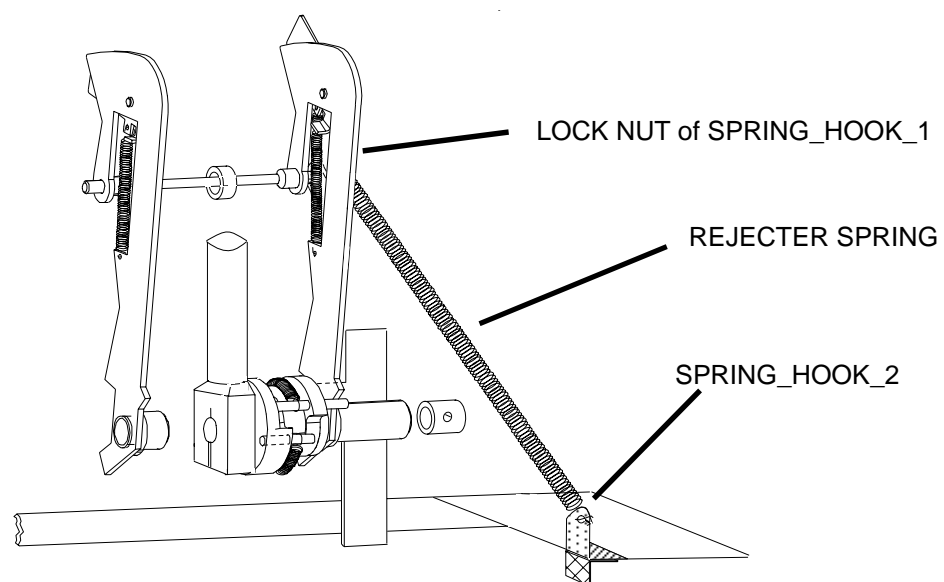


figure 15

- 27.** Manually rotate the FILM POCKET ARM in and out a few times and check that it is nowhere blocked.
- 28.** Insert an empty MAGAZINE without cover into MAGAZINE LEVEL 4.
- 29.** Manually move the FILM POCKET to MAGAZINE LEVEL 4.
- 30.** Rotate the FILM POCKET SUCKER BAR in the fully upright position. Ensure that the DETENT is engaged.
- 31.** Carefully lower the FILM POCKET. Check that the BLOW PIPES are correctly in the MAGAZINE RECESS.

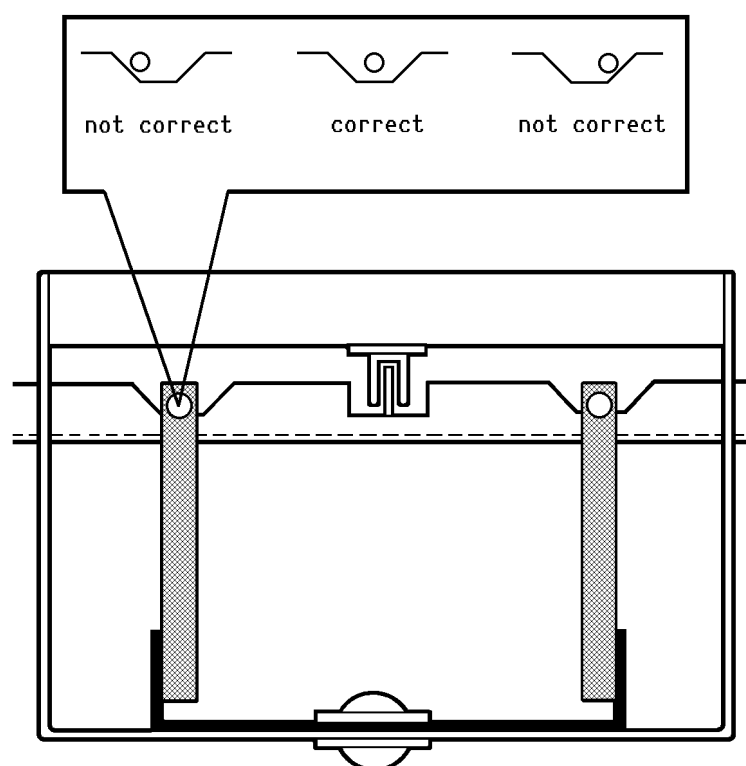


figure 16

- 32.** If the position of the BLOW PIPES is not correct, loosen the FILM POCKET ARM SCREW just a bit and rotate the FILM POCKET ARM in or out as required. Fasten the SCREW.
- 33.** Carefully rotate out the FILM POCKET SUCKER BAR from the MAGAZINE.

- 34.** Manually move the FILM POCKET to the CASSETTE LEVEL.
- 35.** Insert an empty X-Omatic CASSETTE and open it manually.
- 36.** Rotate the FILM POCKET SUCKER BAR into its fully upright position. Ensure that it is engaged into the DETENT.
- 37.** Check that the BLOWPIPES are in the correct position.

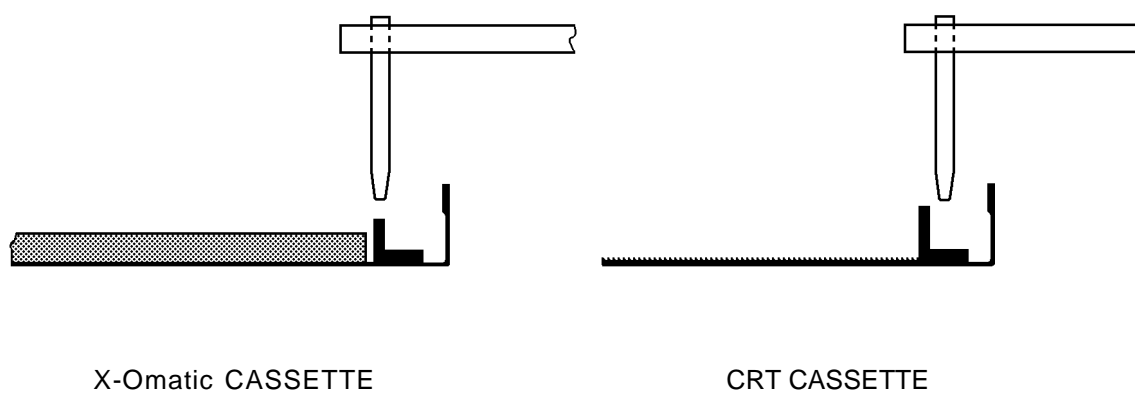


figure 17

- 38.** If the BLOWPIPES are not in the correct position, loosen the FILM POCKET ARM SCREW and rotate the SUCKER BAR in or out as required. Fasten the SCREW. Find a compromise between step 38 and 31/32.
- 39.** Rotate out the FILM POCKET SUCKER BAR from the CASSETTE and take out the CASSETTE.
- 40.** Take out the open MAGAZINE from level 4.
- 41.** Connect the ML700 to the mains and switch it on.
- 42.** Insert MAGAZINES loaded with TEST FILMS (to avoid fogging of customer films) into the ML700.

- 43.** Run a few cycles with different cassette sizes and check for correct operation with the REAR PANEL still off.
- 44.** Ensure that all cables are in their original position. If modification 14 is installed, use mod 14 as reference.
- 45.** Circle number 19 on the MODIFICATION LABEL.
- 46.** Mount the REAR PANEL.

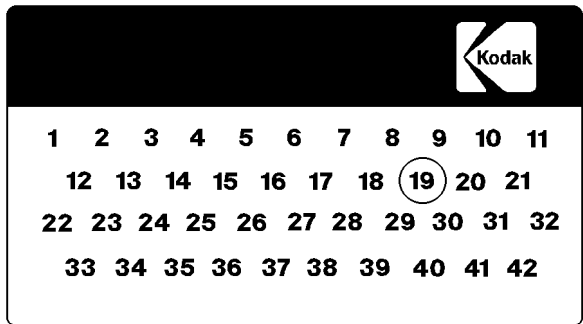


figure 18

- 47.** Replace the TEST FILMS with fresh FILMS.

FINAL TEST

- 1.** Connect the ML700 to the PROCESSOR.
- 2.** Run a few more cycles and check for correct operation.



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