

MODIFICATION INSTRUCTIONS

for the

KODAK MULTILOADER 300

Service Code 3058

Modification No. 32

TYPE 1 SELECTIVE

PURPOSE:

To replace OUT OF SPEC'S FILM POCKET SUCKERS

SERIAL NUMBERS:	up to SN 2114
INSTALLATION TIME:	Approx. 1.0 hours
PARTS REQUIREMENTS:	Modification Kit 9194846

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PARTS LIST

<u>PART-NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
9194846.....	MOD KIT 32	
The KIT contains:		
9184847.....	MAGAZINE SUCKER	4
.....	SUCKER GAUGE	1

INTRODUCTION

Some of the old SUCKERS 9184846 are out of specification. This results in poor film separation in the FILM POCKET. This inturn causes more than 1 attempt to pick up a fresh FILM or even DOUBLE FILM conditions. The lips of the poor SUCKERS are 0.7 to 1.0 mm thick instead of 0.4 mm. Always replace all 4 MAGAZINE SUCKERS.

INSTALLATION OF THE NEW SUCKERS

1. Switch off the ML300.
2. Take off the PANELS.
3. Rotate out the FILM CHUTE.

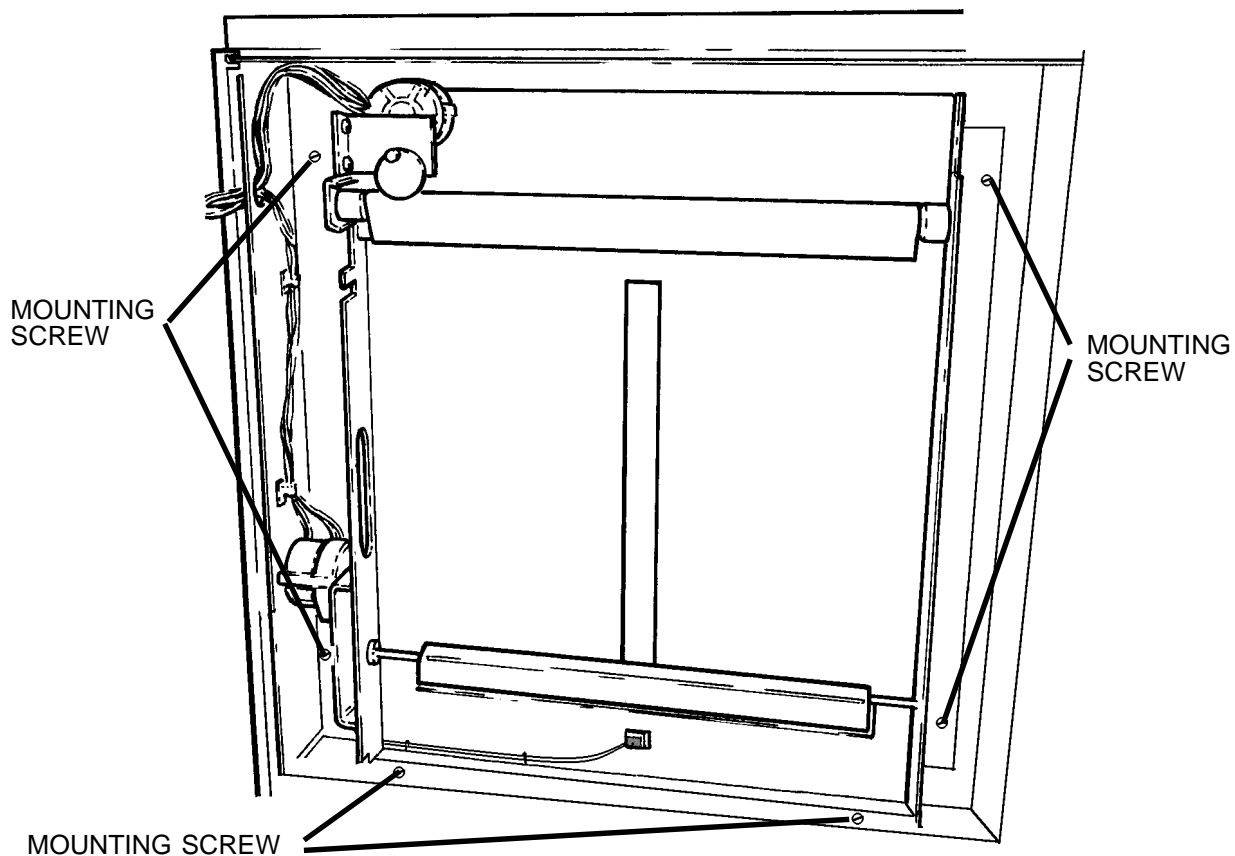


figure 1

4. Carefully take off all 4 MAGAZINE SUCKERS and discard them..

NOTE

Do not bend the FILM POCKET MECHANISM

5. Mount the 4 new SUCKERS.
6. Use the SUCKER GAUGE to ensure that the inner surface of all 4 SUCKERS have the same distance to the SUCKER BAR. See the drawing on the next page.

The SUCKER GAUGE gives the distance between the inner surface of the SUCKER and the SUCKER BAR. **Do not measure from the SUCKER LIP to the SUCKER BAR.**

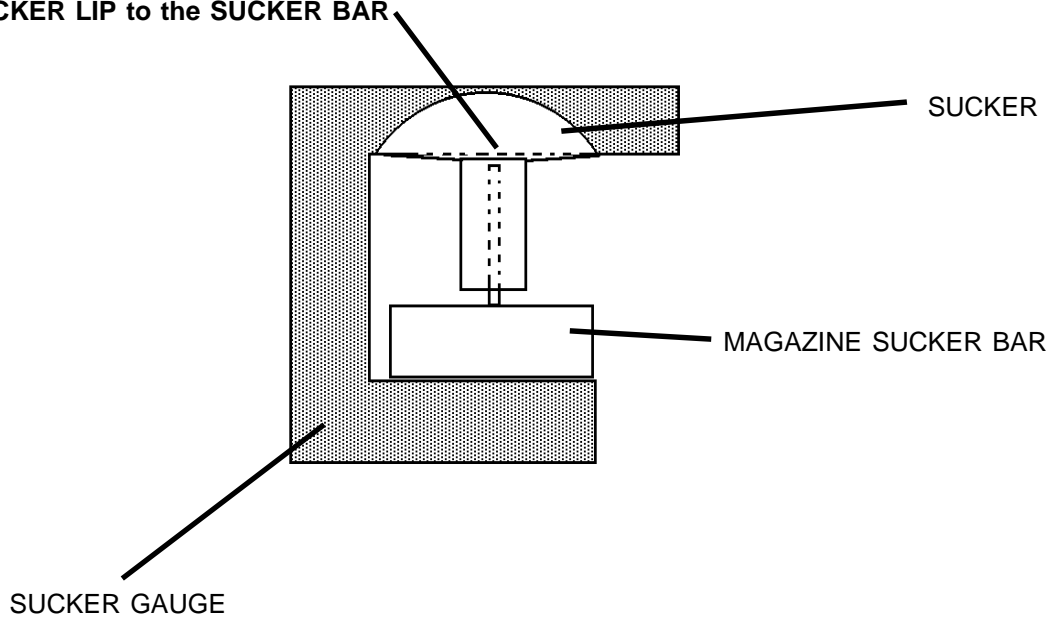


figure 2

7. Take out MAGAZINES with CUSTOMER FILMS.
8. Insert 1 MAGAZINE loaded with TEST FILMS into position 3.
9. Switch on the ML300 to check the adjustment.

10. Test the position of the BLOW PIPE HOLES (SLITS in the old version) in relation to the FILM POCKET SUCKERS. To do this the COMPRESSOR must be switched on, SOLENOID VALVE Y12 must be energised and SOLENOID TILTING MAGAZINE SUCKER BAR Y14 must be switched on.

Start the SERVICE PROGRAMM

Select SERVICE MODE from the GLOBAL MENU. press ENTER

ENTER SERVICE MESSAGE is displayed press ENTER

UNIT DATA are displayed press ENTER

Select COMPONENT TEST from the MAIN MENU press ENTER

Select MAGAZINE MOTORS. press ENTER

Select COMPRESSOR M16. press ENTER

Select MOTOR ON

Press BACKSPACE twice to come back to the screen COMPONENT TEST

Select SOLENOID VALVES. press ENTER

Select MAGAZINE SUCKING Y12. press ENTER

Select SOL: VALVE ON. press ENTER

Press BACKSPACE twice to come back to the screen COMPONENT TEST

Select SOLENOIDS press ENTER

Select TILTING MAGAZINE SUCKER BAR Y14 press ENTER

Select SOLENOID ON

NOTE

Do not leave on the SOLENOID Y14 for too long. It will become very hot.

11. Place the BLOWPIPE POSITIONER GAUGE TL 4582 onto the FILMPOCKET SUCKERS.

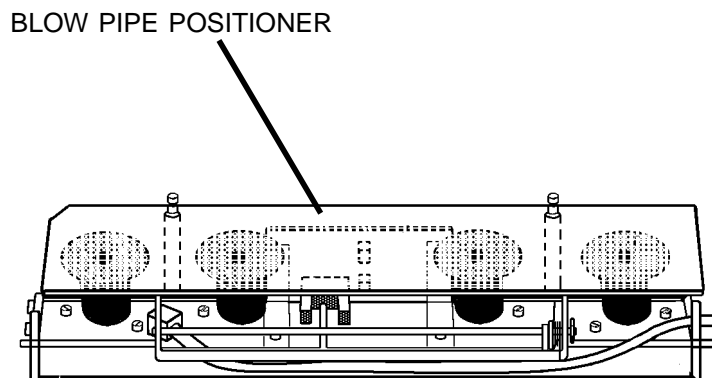


figure 3

12. Check that the 0.5mm HOLE (Slit before MOD 20) of the BLOWPIPES (Parts of MOD 20) is just above the BLOWPIPE POSITIONER.

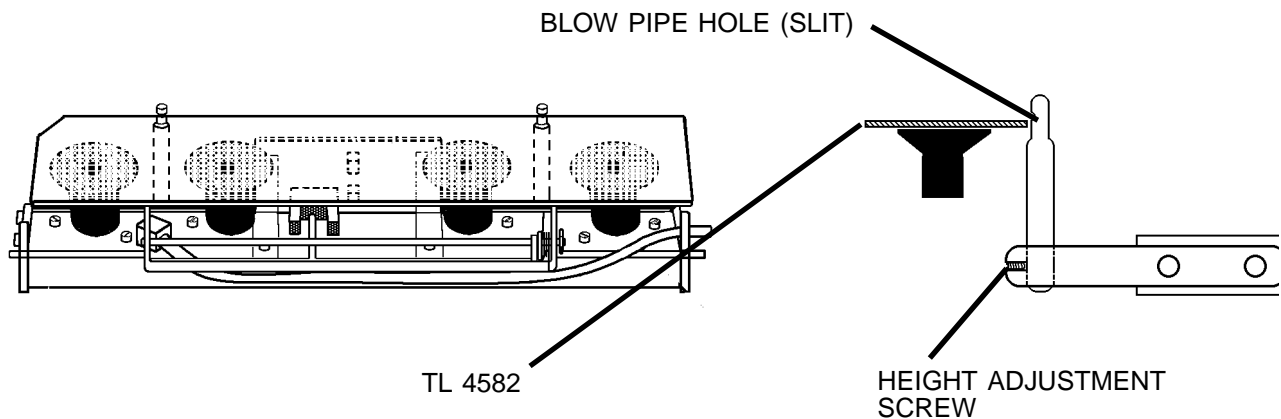


figure 4

13. If the position of the HOLE is not correct, loosen the HEIGHT ADJUSTMENT SCREWS of the BLOWPIPES and move the BLOWPIPES up or down as required. Then fasten the SCREWS.

NOTE

The position of the hole in the BLOWPIPES is important to separate the films in the MAGAZINES.

14. Switch off the SOLENOID Y14.

Select SOLENOID OFF

15. Remove the BLOW PIPE POSITIONER TOOL from the SUCKERS. The TOOL can only be taken off, after SOLENOID VALVE Y12 is switched off and air is blown into the SUCKERS.

Press BACKSPACE twice to come back to the screen COMPONENT TEST

Select SOLENOID VALVES..... press ENTER

Select MAGAZINE SUCKING Y12..... press ENTER

Select SOL. VALVE OFF

Press BACKSPACE

Select MAGAZINE BLOW SUCKER Y10 press ENTER

Select SOL. VALVE ON

Select SOL. VALVE OFF

Press BACKSPACE twice to come back to the screen COMPONENT TEST

Select MAGAZINE MOTORS..... press ENTER

Select COMPRESSOR M16..... Press ENTER

Select MOTOR OFF

16. To do the adjustment of the SENSOR B61, place the BLOW PIPE POSITION TOOL TL-4582 onto the MAGAZINE SUCKERS and start the SENSOR TEST.

Press BACKSPACE twice to come back to the screen COMPONENT TEST

Select SENSORS..... press ENTER

Select SENSOR TEST WITH SOUND press ENTER

17. Carefully press down the tool onto the SUCKERS. After 0.2 - 0.5 mm, SENSOR B61 should be actuated.
18. If the SENSOR is not actuated, carefully bend the ACTUATOR BRACKET.

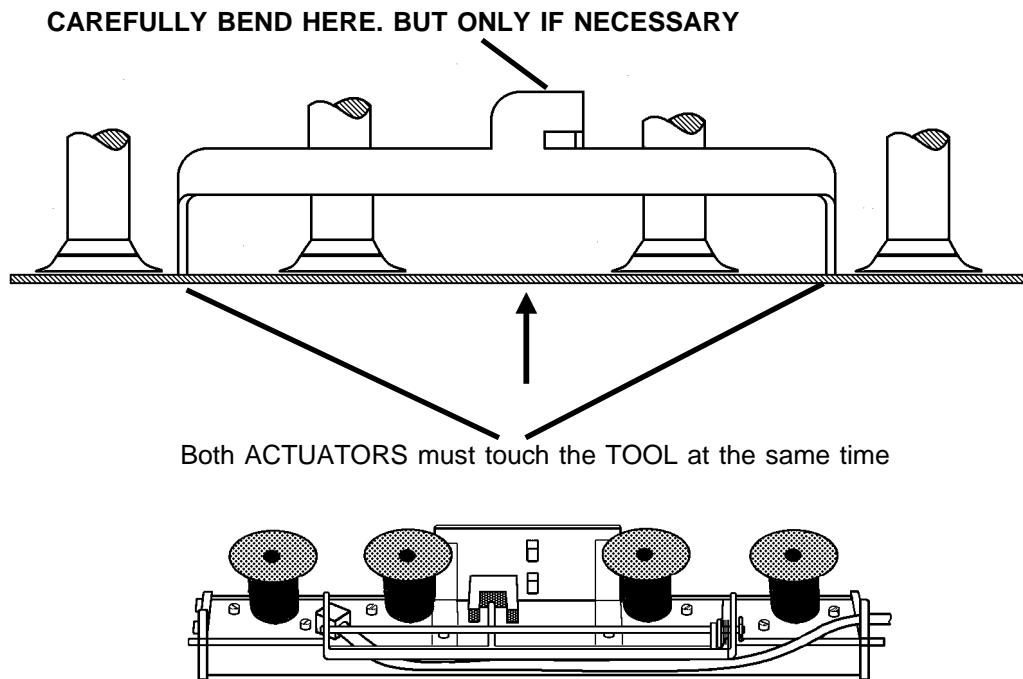


figure 5

19. Exit the SENSOR TEST.

Press BACKSPACE twice to come back to the screen COMPONENT TEST.

20. Do the NEARLY EMPTY adjustment.

Select LEAVE COMPONENT TEST press ENTER

Select CHANGE ML300 DATA press ENTER

Select CHANGE PARAMETER press ENTER

Select SCAN RUN press ENTER

Select NEARLY EMPTY..... press ENTER

FOLLOW THE INSTRUCTIONS GIVEN ON THE SCREEN

Select STORE PARAMETER..... press ENTER
 Select RETURN TO MAIN MENU..... press ENTER

21. Exit the SERVICE MODE

Select QUIT ML300 SERVICE MODE..... press ENTER
 Select Quit the program..... press ENTER

FINAL TEST

1. Circle No 32 on the MODIFICATION LABEL.

from SN 1370

up to SN 1369

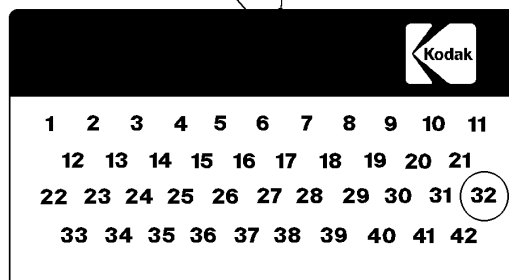
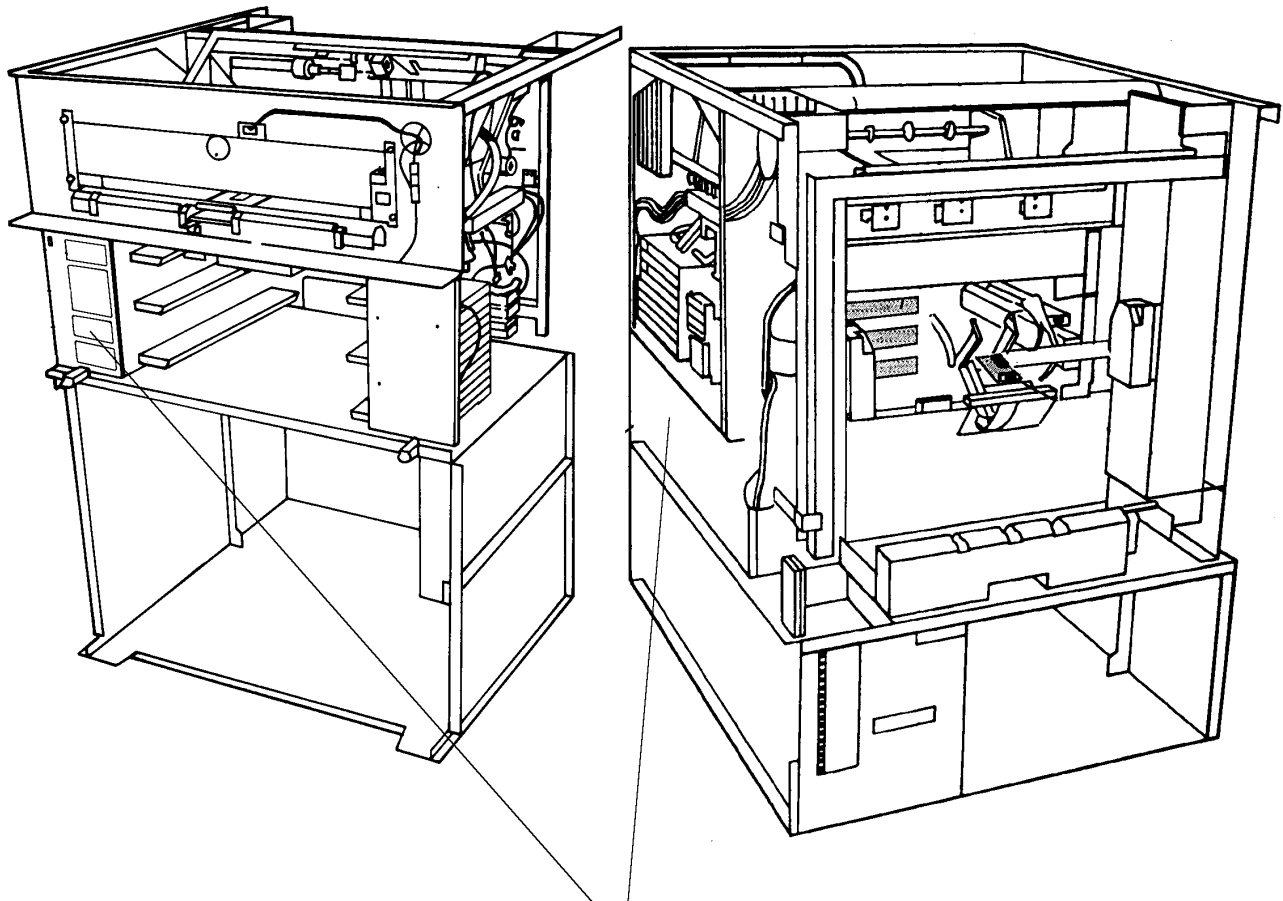


figure 6

2. Rotate in the FILMCHUTE and fix it in position with its 6 MOUNTING SCREWS.
3. Mount all PANELS.
4. Run a few more cycles to ensure proper operation.



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