

MODIFICATION INSTRUCTIONS

for the

***KODAK X-Omat* MULTILOADER XML300**

Service Code 3058

MODIFICATION No. 4

Type 1

PURPOSE:

To improve the opening of MIN R2 CASSETTES and to improve the film separation from the LID SCREEN.

IMPORTANT : Use qualified service personnel to install this modification !

SERIAL NUMBERS : 1001 to 1053 except 1007, 1047, 1050, 1051 and 1052

INSTALLATION TIME : Approx. 1.5 hours

SPECIAL TOOLS : Electric Power Drill and 4.5 mm Drill Bit

PARTS REQUIREMENTS : See Parts List.

PLEASE NOTE

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PARTS LIST

PART NO.	DESCRIPTION	QUANTITY
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9225030..... MOD KIT #4

The KIT contains:

9212981.....	BOLT	2
9212991.....	SPACER.....	2
9222441.....	CASSETTE BLOWPIPE LEFT.....	1
9222591.....	CASSETTE BLOWPIPE RIGHT	1
9212151.....	BLOWPIPE POSITIONER.....	1
4500601.....	C-RING.....	2

SAFETY WARNING

WHILE INSTALLING THIS MODIFICATION MAKE SURE THAT THE CASSETTE OPENER CANNOT BE STARTED ACCIDENTALLY. THE BOLTS AND THE BLOWPIPES WILL BE INSTALLED IN THE CASSETTE OPENER AREA. THE OPENER MOTOR AND THE OPENER MECHANISM ARE VERY STRONG. THEY CANNOT BE MOVED MANUALLY. THEY MAY SQUEEZE YOUR HAND AND TRAP YOU IF YOU TRY TO STOP THEM MANUALLY. NEVER START THE CASSETTE OPENER MOTOR WHEN SOMEONE'S HANDS ARE IN THE CASSETTE AREA.

INTRODUCTION

This modification is split up into 2 parts:

Part 1:

Improvement of MIN R2 CASSETTE opening

On the XML300 the CASSETTES are held against an END STOP in the CASSETTE OPENING POSITION. As the CASSETTES are unlatched the top cover is moved up but also rubs against the END STOP. In X-Omatic CASSETTES the top and bottom plates are directly in line and held in place by a rigid hinge. In MIN R2 CASSETTES the hinge is not rigid and the CASSETTE TOP and BOTTOM PLATE maybe misaligned. If the TOP PLATE is out farther than the BOTTOM PLATE, the CASSETTE can not be opened since the TOP PLATE is held against the END STOP by the HOLDING FINGER. With the current production of MIN R2 CASSETTES the none-tube side is about 0.6mm out. The 2 BOLTS of MOD 4 move the CASSETTE back away from the END STOP by about 0.8mm and the problem is corrected. As a result of these 2 BOLTS all CASSETTES are moved back away from the END STOP. To avoid opening problems the OPENER ASSY has to be moved back by the same distance.

Part 2:

Improvement of film separation from the LID SCREEN.

The original BLOWPIPES are too long. It may hapen that they become bent during cassette opening or they engage with the TOP COVER of the CASSETTE. The shape of the BLOWPIPES is changed and a BLOWPIPE POSITIONER is used for correct positioning.

INSTALLATION

PART 1:

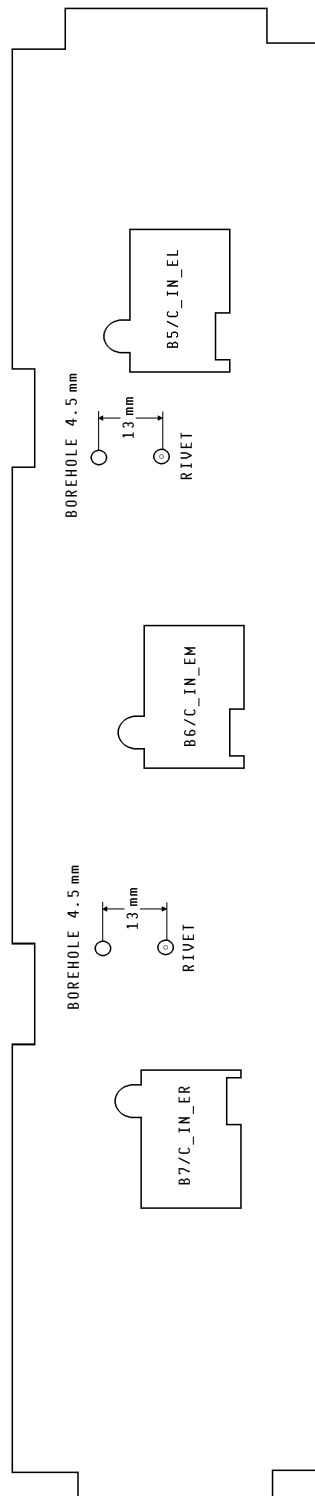
1. Switch off the XML300.
2. Take off the PANELS.
3. Pivot out the FILM CHUTE.

NOTE

If the FILM CHUTE is not hinged take it out and put it on the floor.

4. Cover the FILMPOCKET to keep it free from METAL SHAVINGS.
5. From the rear mark the 2 BOREHOLES 13mm above the RIVETS on the CASSETTE ENDSTOP PLATE. See figure 1.
6. From the REAR drill the 2 BOREHOLES 4.5mm each.
7. From the FRONT insert the 2 BOLTS 9212981.
8. Secure them with C-RINGS.

CASSETTE ENDSTOP



REAR VIEW

figure 1

- 10.** Switch on the XML300.
- 11.** Move the CASSETTE OPENER. Use the LAPTOP or if the new PCB A9 is installed the PUSH BUTTON S2 on A9.
- 12.** For safety reasons switch off the XML300.
- 13.** Loosen the 4 MOUNTING SCREWS of the CASSETTE OPENER ASSY and insert the 2 SPACERS 9212991.

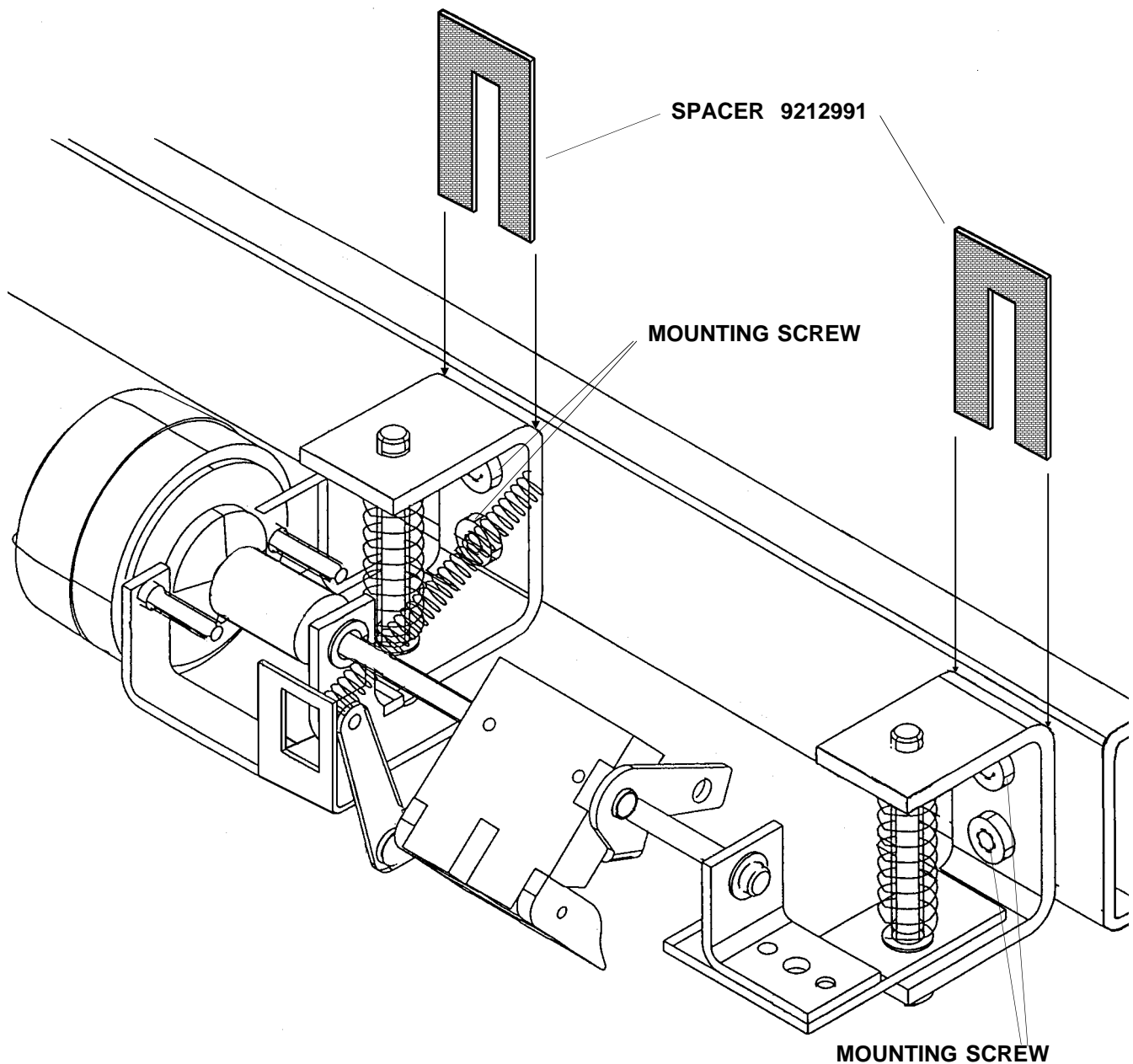


figure 2

14. Fasten the 4 MOUNTING SCREWS.

15. Check for METAL SHAVINGS in the FILMPOCKET and close it.

16. Switch on the XML300

CAUTION

The CASSETTE OPENER goes automatically to the upper position.

17. Carefully lower the CASSETTE OPENER. Use the LAPTOP or S2 on the new PCB A9.

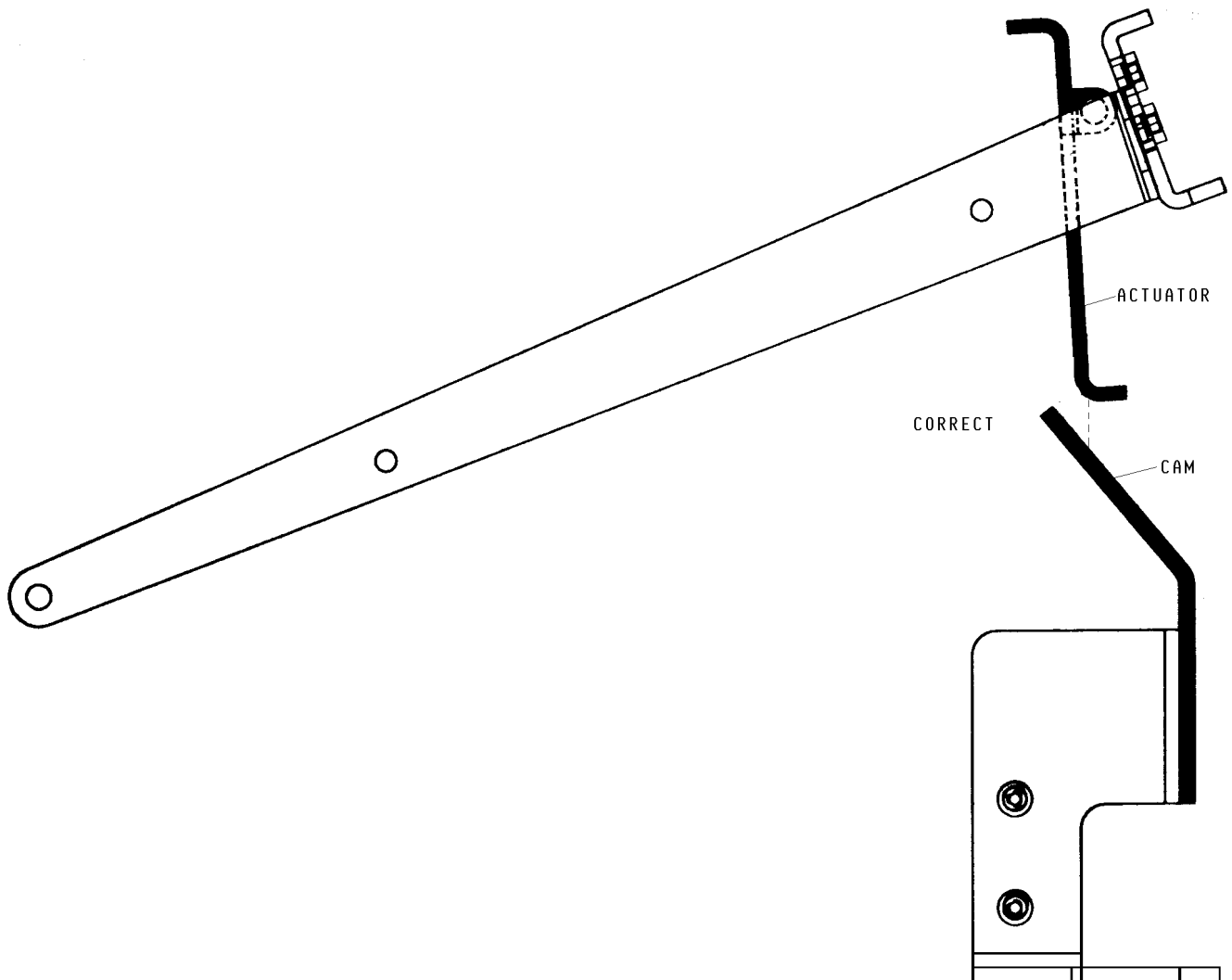


figure 3

18. Check that the ACTUATOR does not hit the upper edge of the CAM.

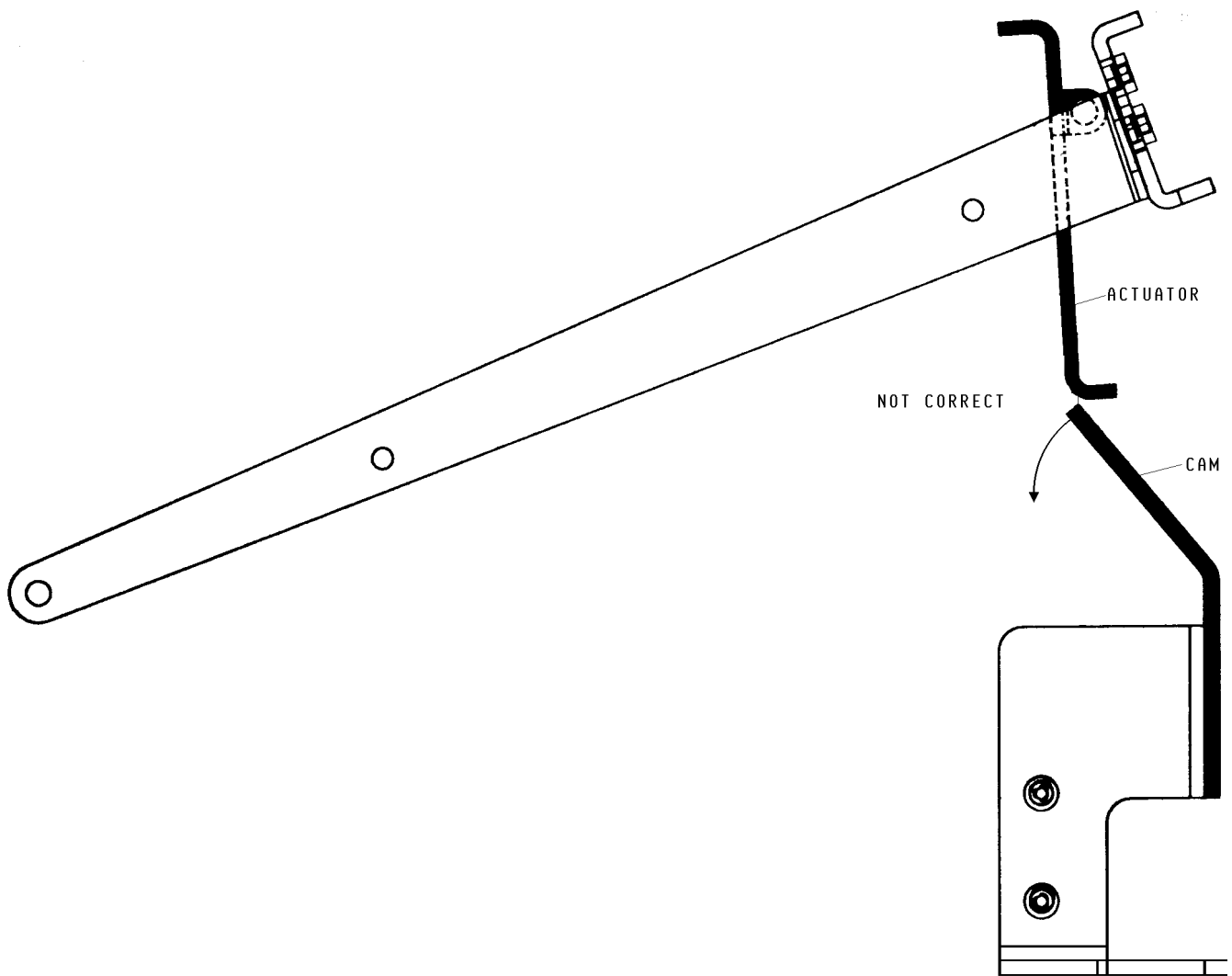


figure 4

19. If the ACTUATOR hits the upper edge of the CAM, bent the CAM slightly down.

20. Move the CENTERING BARS to their outermost position.

21. File off the indicated area of the ACTUATOR BRACKET. When moving down the CASSETTE OPENER the ACTUATOR BRACKET should not ride on the BLOWPIPE GUIDE.

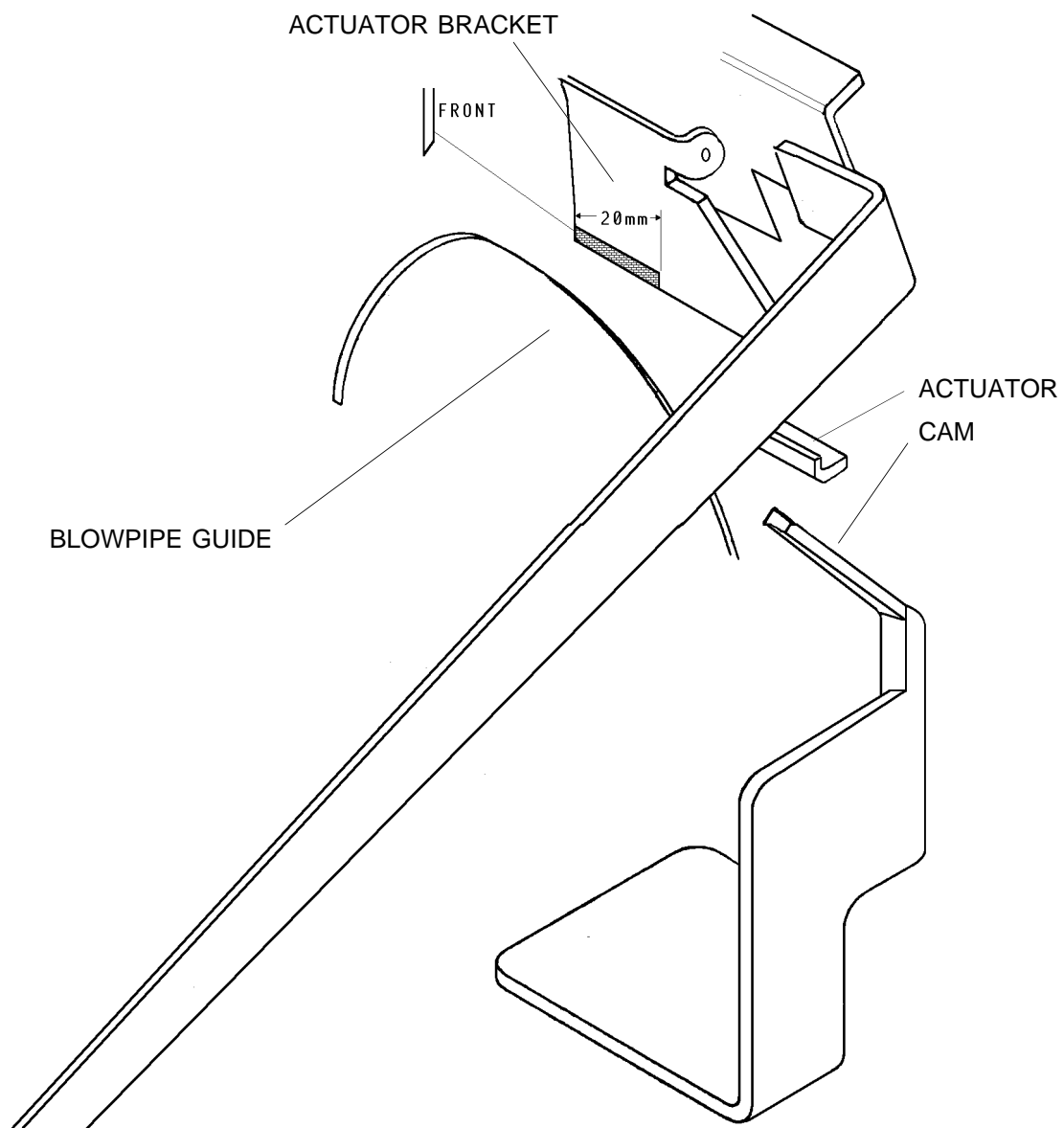


figure 5

22. Move the CASSETTE OPENER to the upper position.

PART 2

- 23.** Switch off the XML300.
- 24.** Remove and discard the original CASSETTE BLOWPIPES.

INSTALLATION OF THE RIGHT-HAND CASSETTE BLOWPIPE

- 25.** Use the BLOWPIPE POSITIONER with the R(ight) up.

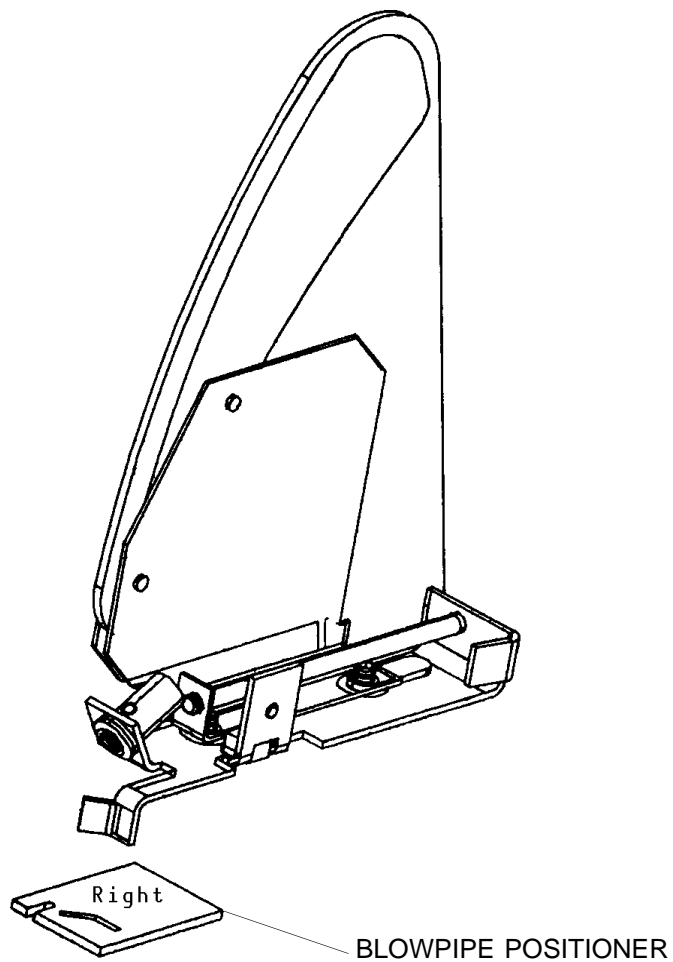


figure 6

- 26.** Mount it on the right-hand side.

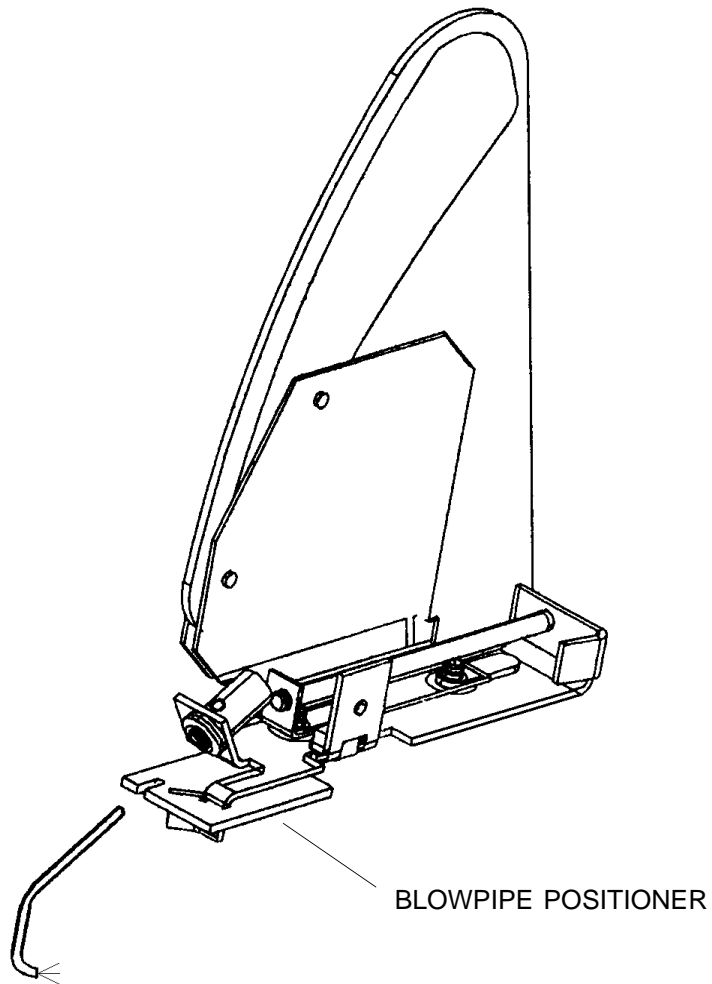


figure 7

- 27.** Insert the new right-hand CASSETTE BLOWPIPE in the HOLDER and fasten the MOUNTING SCREW.

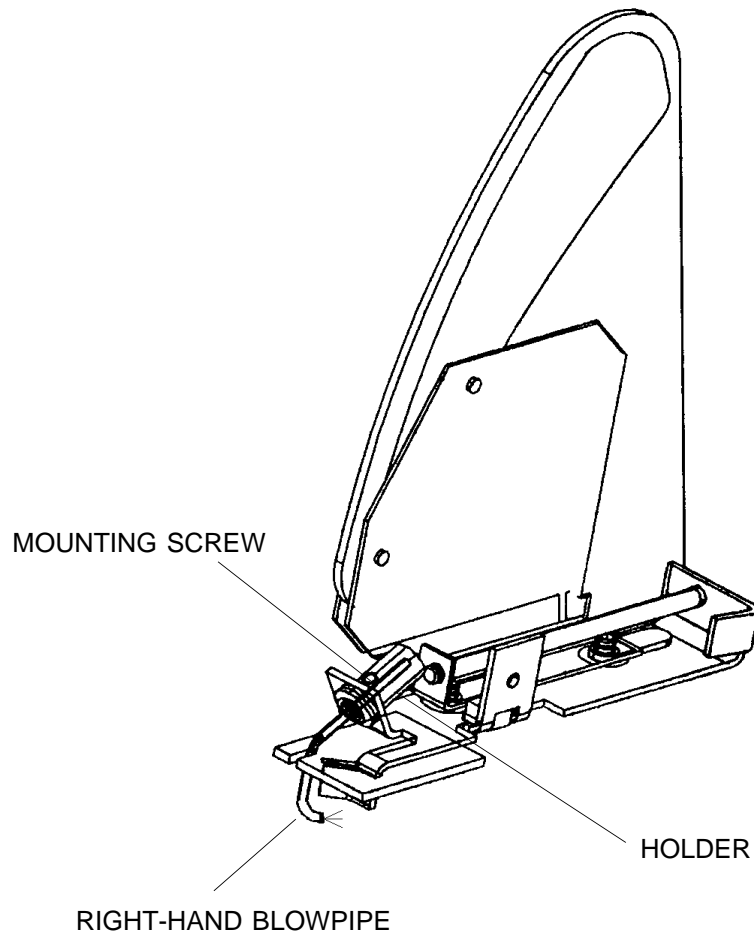


figure 8

- 28.** Take out the BLOWPIPE POSITIONER

Installation of the left-hand CASSETTE BLOWPIPE

- 29.** Use the BLOWPIPE POSITIONER with the L(ef) up.

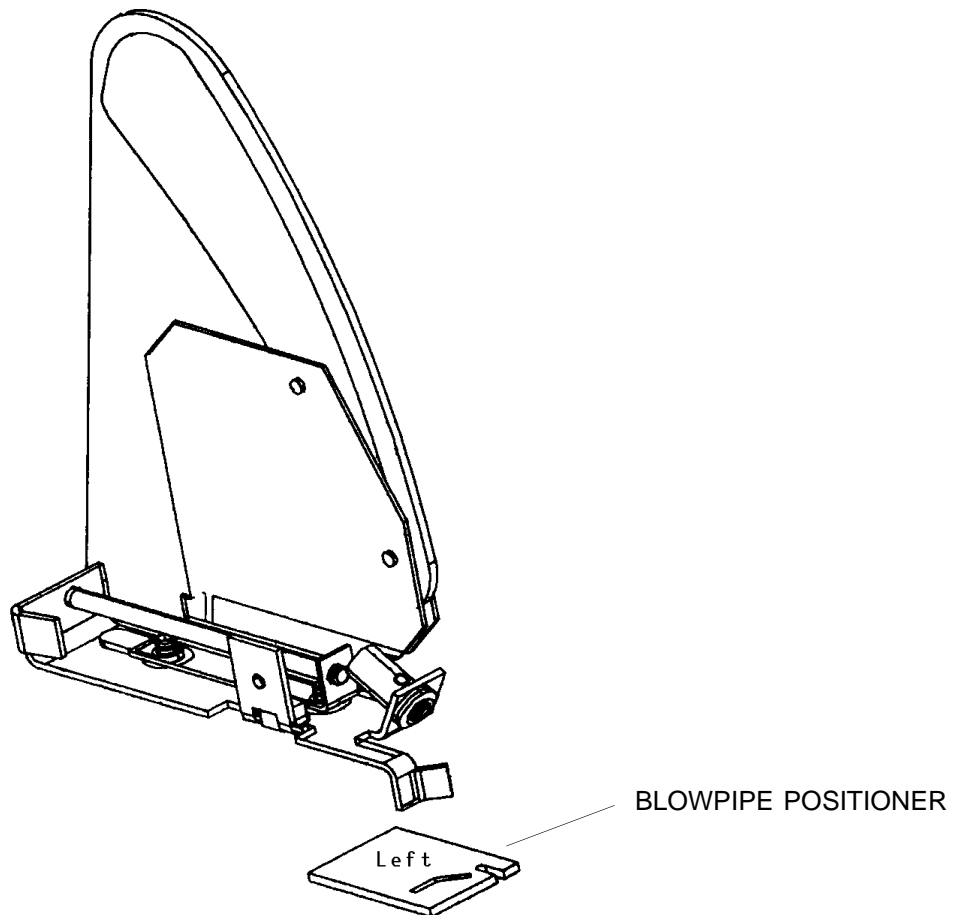


figure 9

30. Mount it on the left-hand side.

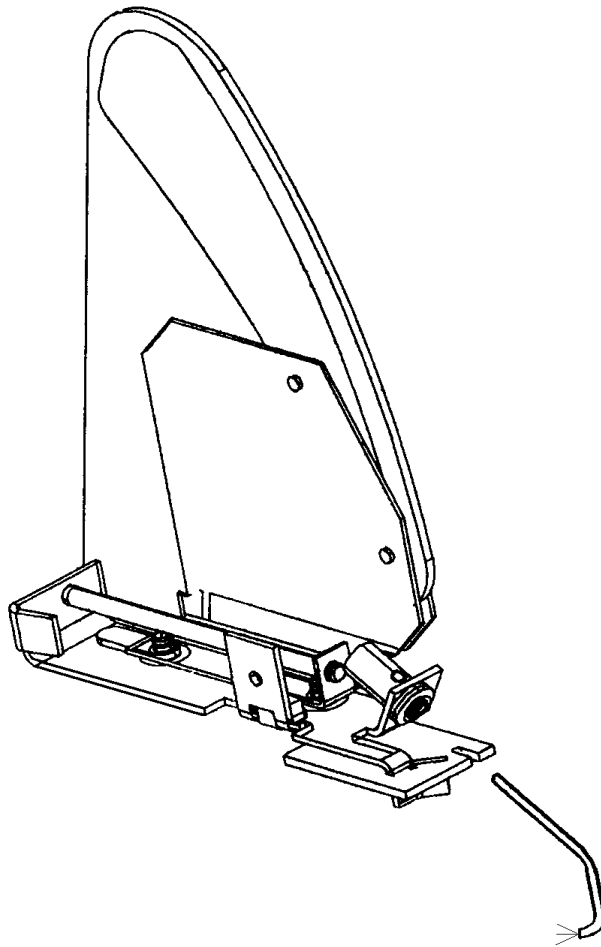


figure 10

- 31.** Insert the new left-hand CASSETTE BLOWPIPE in the HOLDER and fasten the MOUNTING SCREW.

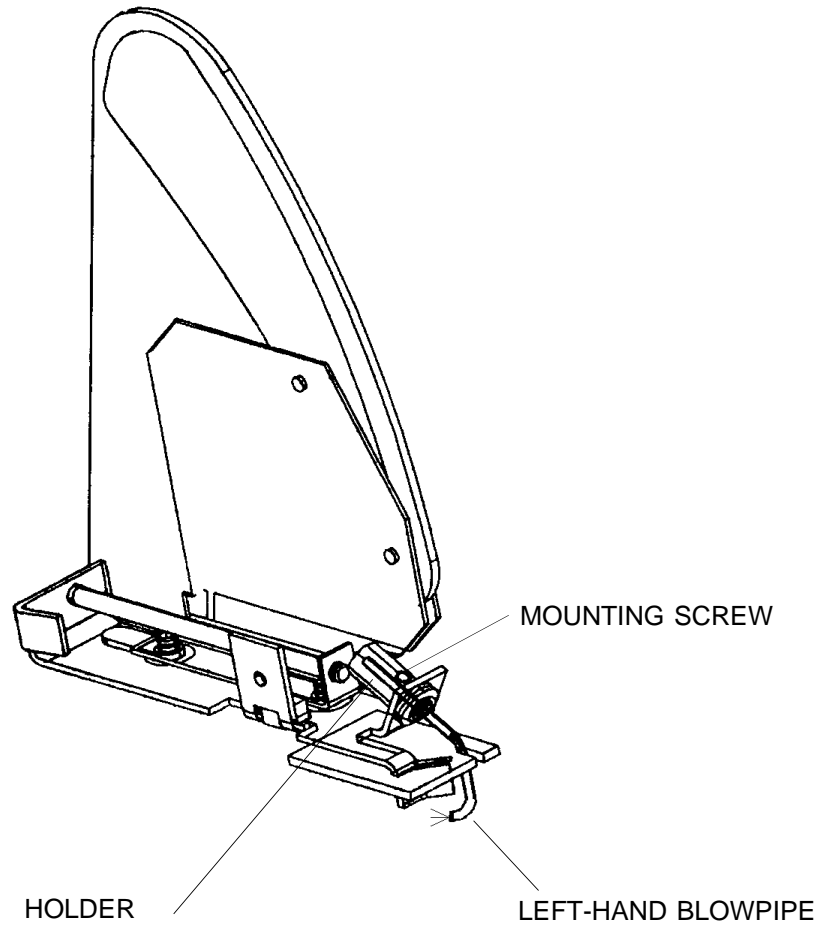


figure 11

- 32.** Take out the BLOWPIPE POSITIONER

FINAL TEST

33. Switch on the XML300.

34. Run several test cycles with MIN R2 and X-Omatic CASSETTES.

NOTE

Use TESTFILMS for this procedure. Fresh FILMS would be fogged due to the missing PANELS.

35. Circle No. 4 on the MODIFICATION LABEL.

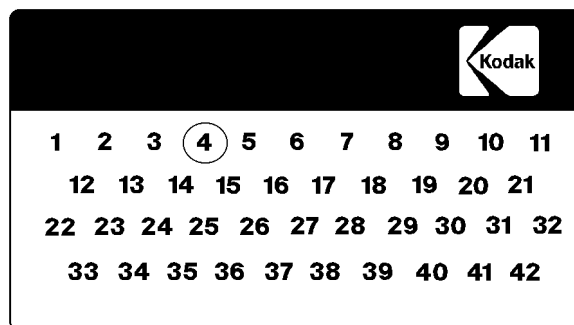


figure 12

36. Mount all PANELS.

37. Run once more a cycle to ensure correct operation.

38. Take out the TEST FILMS and load the MAGAZINES with fresh FILMS.



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