

MODIFICATION INSTRUCTIONS

for the

***KODAK X-Omatic* MULTILOADER 300**

Service Code 3058

MODIFICATION No. 18

Type 1 required

PURPOSE:

To avoid wire breaking in the CASSETTE CARRIAGE area.

IMPORTANT : Use qualified service personnel to install this modification !

SERIAL NUMBERS : 1001 to 1274

INSTALLATION TIME : Approx. 1.5 hours

SPECIAL TOOLS : EXTRACTION TOOL TL 1580
INSERTION TOOL TL 2105

PARTS REQUIREMENTS : MOD KIT #18 PN 9220740

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PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
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9220740..... MOD KIT #18

The Kit contains:

9213803.....	WIRE HARNESS	1
4521441.....	SELF ADHESIVE WIRE TIE SOCKET	3
6081850.....	WIRE TIE	10
9218941.....	SENSOR	1
4480271.....	WASHER	2
4534491.....	GROMMET	1
4853141.....	NUT M8.....	1
5001919.....	SILICON HOSE (600mm long).....	1
9183671.....	COUPLING.....	1
9220811.....	COUPLING.....	1

INTRODUCTION

The wires to the CASSETTE CARRIAGE ASSEMBLY frequently broke. Therefore these wires are replaced with high flexible ones and they are routed differently to avoid a short radius.

NOTE

This modification supersedes modification No 16. Mod 16 was factory installed only.

INSTALLATION

1. Take out the MAGAZINES to avoid accidental film fogging.
2. Switch off the XML300.
3. Take off the TOP COVER, REAR PANEL and RIGHT-HAND PANEL of the XML300.
4. Disconnect Connector X55.

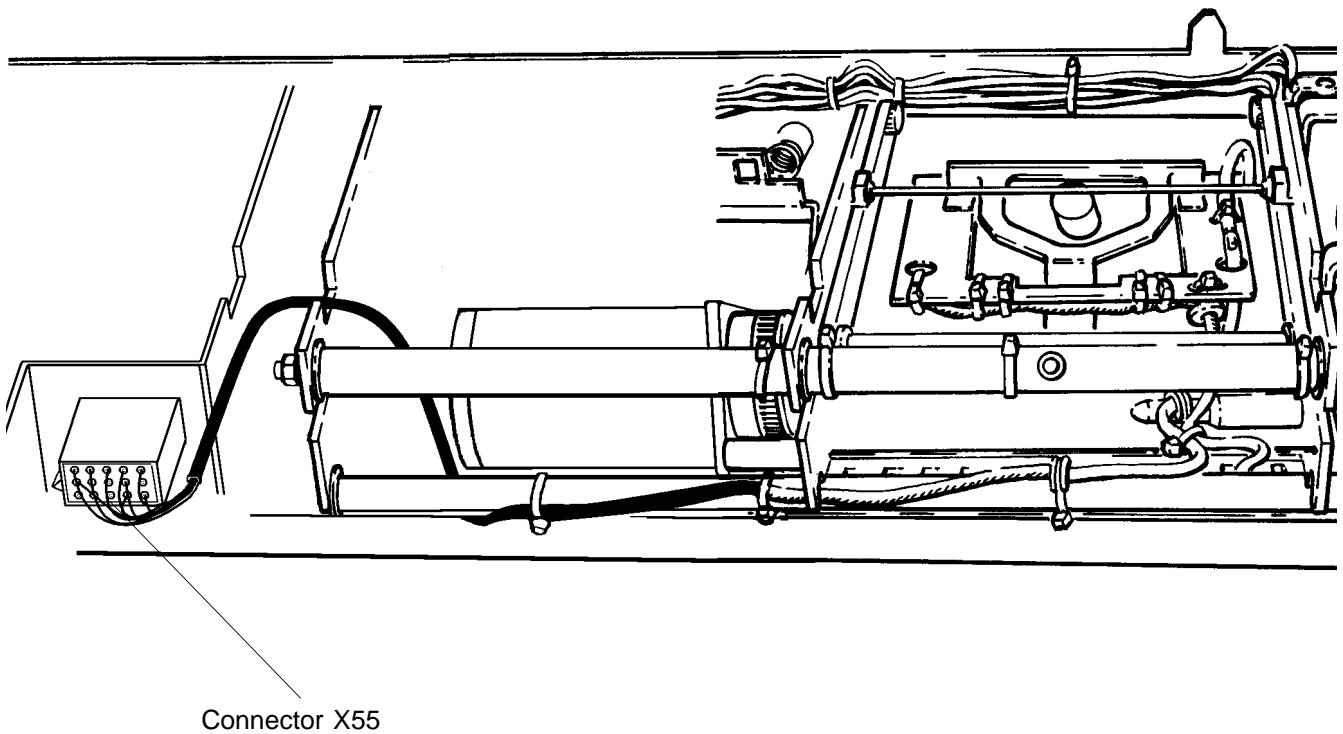


figure 1

5. Remove PIN 9, 10, 11, 13, 14 and 17 from CONNECTOR X55. Use EXTRACTOR TL 1580.

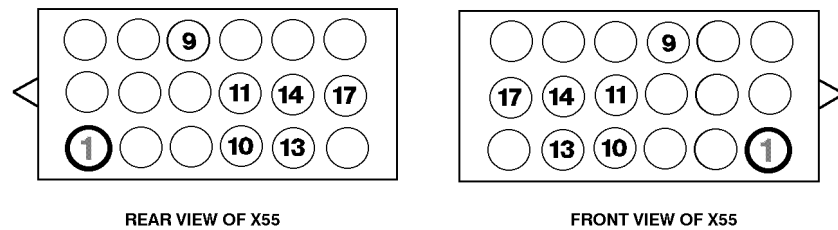
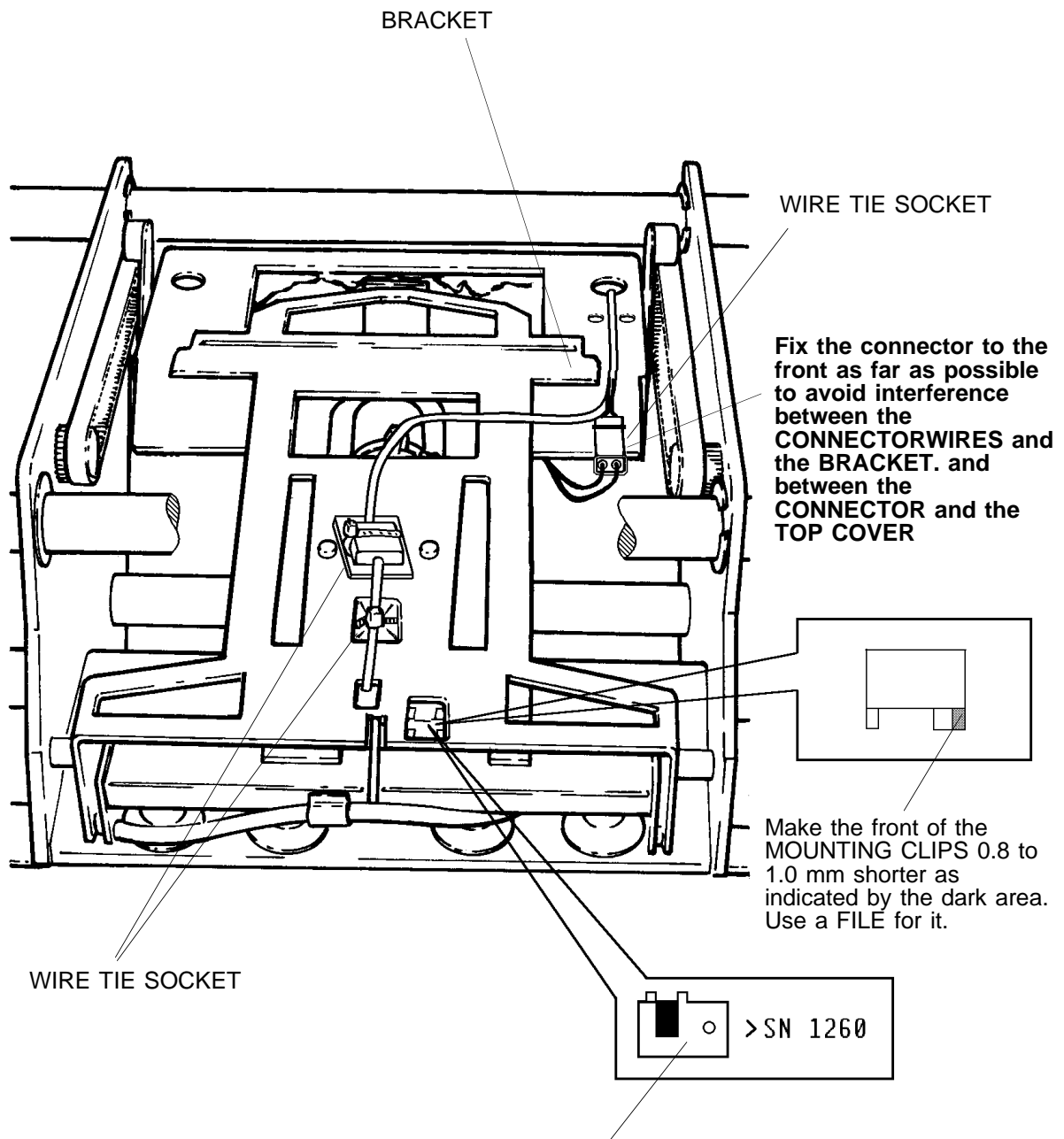


figure 2

6. Remove the corresponding wires from the harness to the CASSETTE CARRIAGE ASSEMBLY and discard them.
7. Take out SENSOR B19 SUCKERBAR TILT. This SENSOR is replaced with a new one. The new one has short wires.
8. If you have a XML300 with SN <1190 (except 1187) proceed with step 9. Otherwise proceed with step 14.
9. Install the new SENSOR 9218941.
10. Make the front of the MOUNTING CLIPS of SENSOR B19 approximately 0.8 to 1mm smaller and mount it into the CARRIAGE ASSEMBLY. See figure 3.
11. Move it forward in direction of the CASSETTE as far as possible.
12. Fix the SENSOR in this position with glue.
13. Proceed with step 15.
14. For SN1261 and higher install the SENSOR 9218941 in the adjustable SENSOR MOUNTING BRACKET.

15. Mount the 3 SELF ADHESIVE WIRE TIE SOCKETS.



This SENSOR MOUNTING BRACKET is used in XML300 with SN > 1260

figure 3

16. Route the new WIRE HARNESS from the CASSETTE CARRIAGE to CONNECTOR X55.

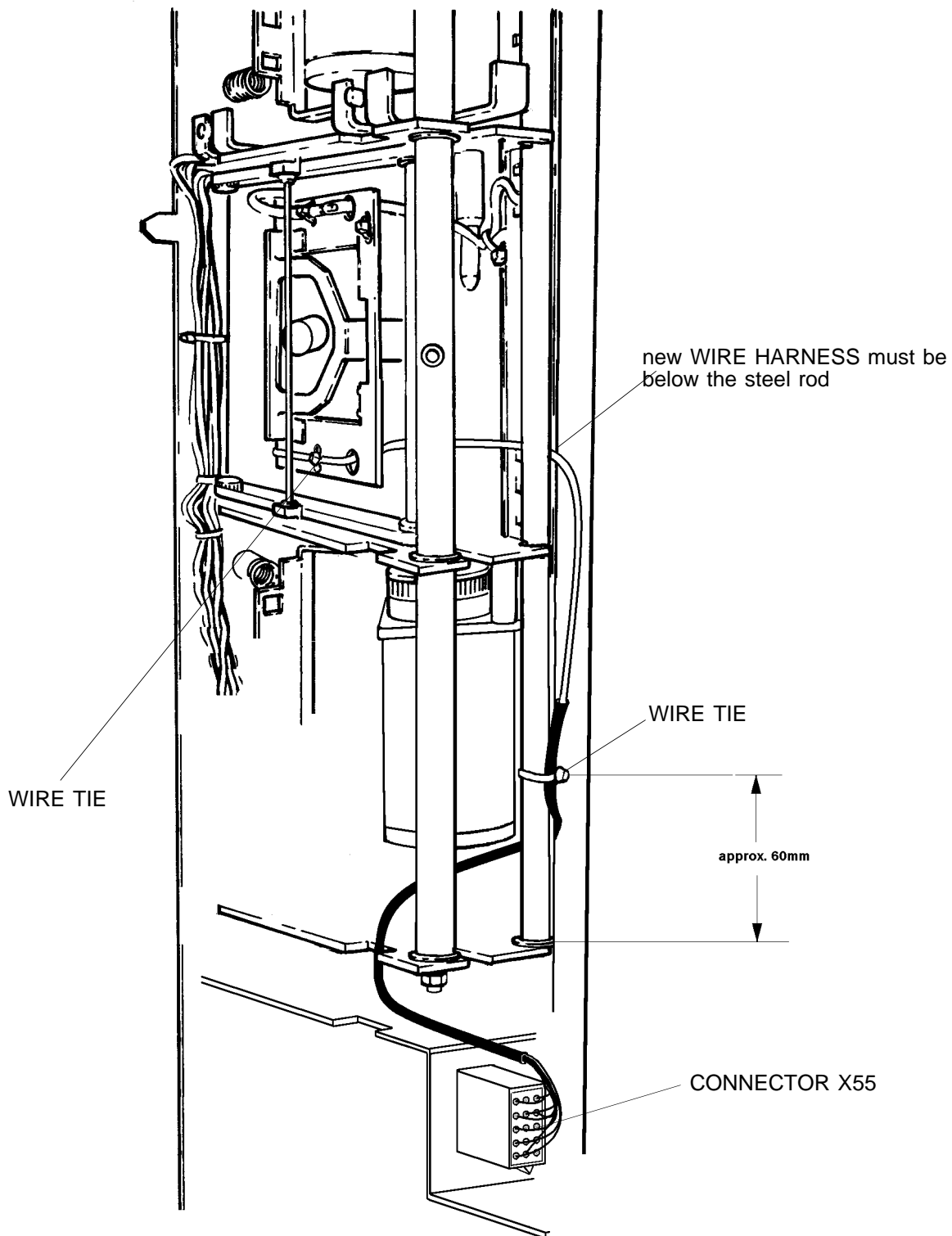


figure 4

17. Make sure that the loop is big enough that the harness does not hold back the CARRIAGE ASSEMBLY.

18. Insert the wires into CONNECTOR X55.

PIN	9	BROWN
	10	RED
	11	BLACK
	13	WHITE
	14	WHITE
	17	ORANGE

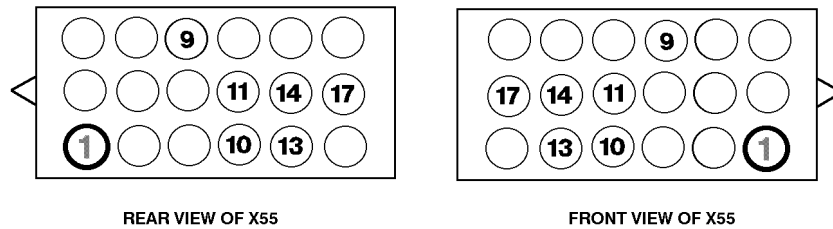


figure 5

NOTE

It does not matter if the 2 white wires are swapped. They are just for SOLENOID Y7.

19. Connect the SENSOR B19 to CONNECTOR X27. See figure 6.

20. Connect SOLENOID Y7 TILTING SUCKERBAR to CONNECTOR X39. See figure 6.

21. Fix the wires and the CONNECTORS with WIRE TIES to the SELF ADHESIVE WIRE TIE SOCKETS. See figure 6.

22. Mount the CONNECTOR X55.

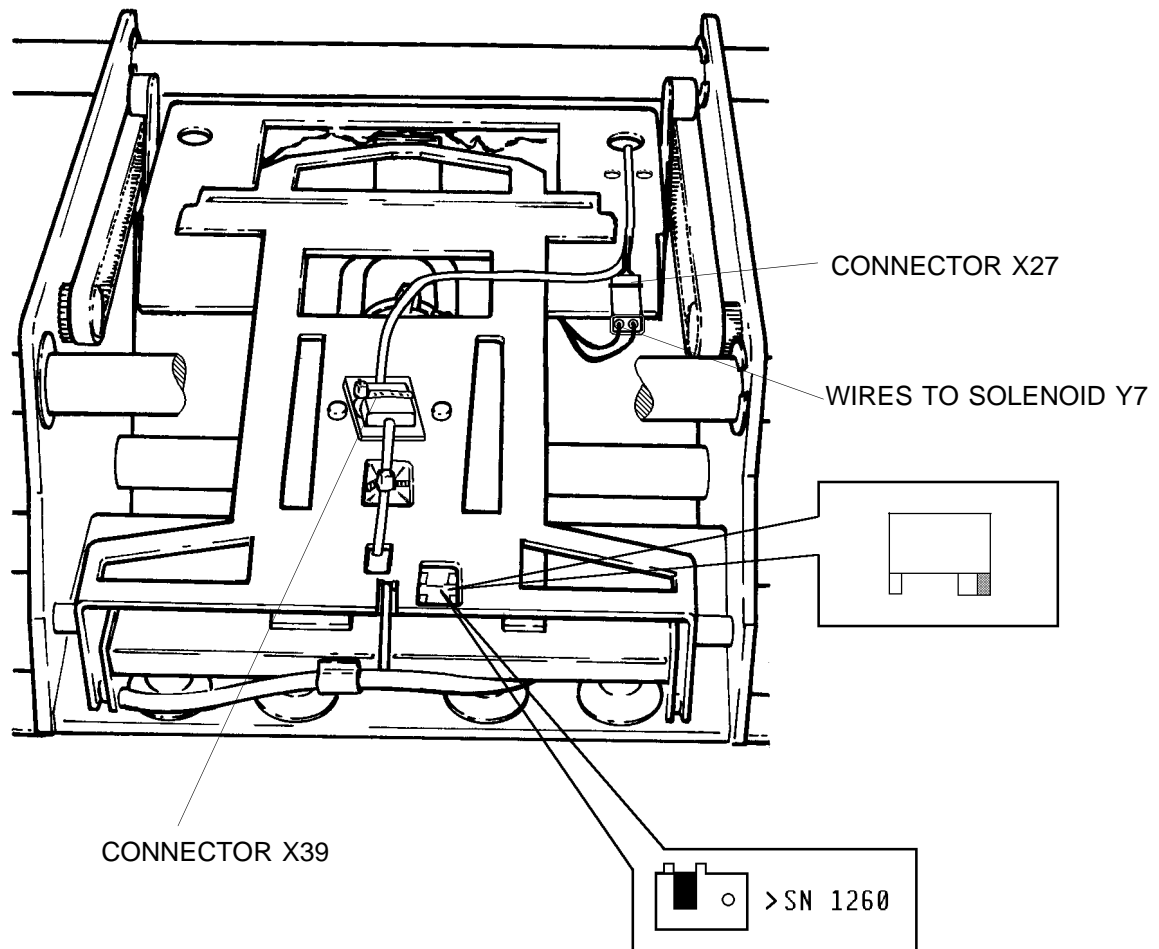


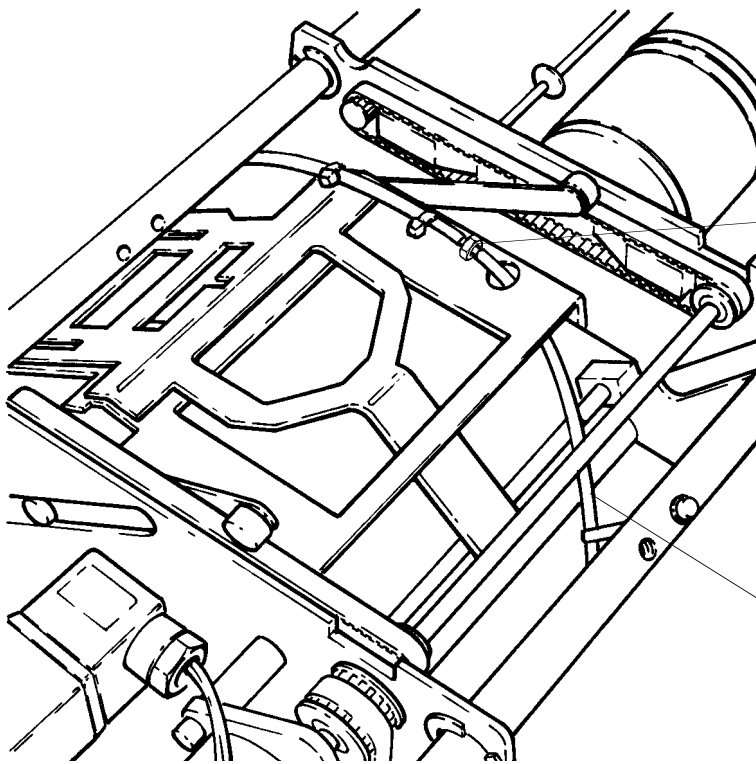
figure 6

23. For SERIAL NUMBERS 1001 to 1190 except SN 1187 proceed with step 24. For SERIAL NUMBERS 1191 to 1274 and 1187 proceed with step 36.

24. Cut the blue hose as shown on figure 7 and 8.

25. Remove the cut piece.

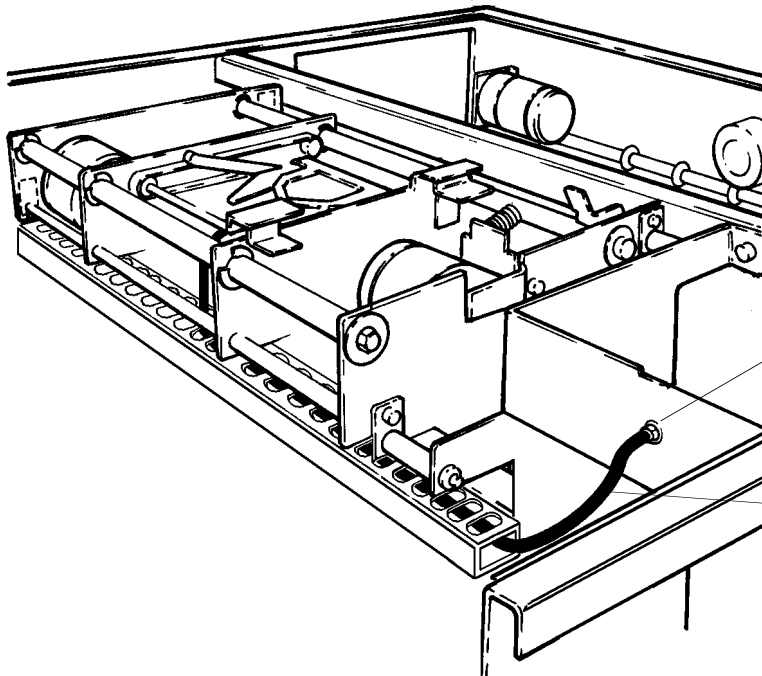
27. Mount the COUPLING 9220811 to the blue HOSE of the CASSETTE SUCKERBAR CARRIAGE. See figure 7.



Cut the blue HOSE here.
Discard the part of the
HOSE which is routed
through the CABLE DUCT.
Install the COUPLING
9220811 to the remaining
HOSE.

Discard this part of the HOSE

figure 7



Cut the blue HOSE here.
Install COUPLING 9183671

Discard this part of the blue
HOSE. Connect the
remaining blue HOSE to
COUPLING 9183671

figure 8

28. Mount the COUPLING 918367.

NOTE

The existing borehole for the COUPLING has to be enlarged with a file.

29. Open the CABLE DUCT.
30. Put the new transparent SILICON HOSE through the GROMMET 4534491.
31. Put the GROMMET with the HOSE into hole #3 from the right.

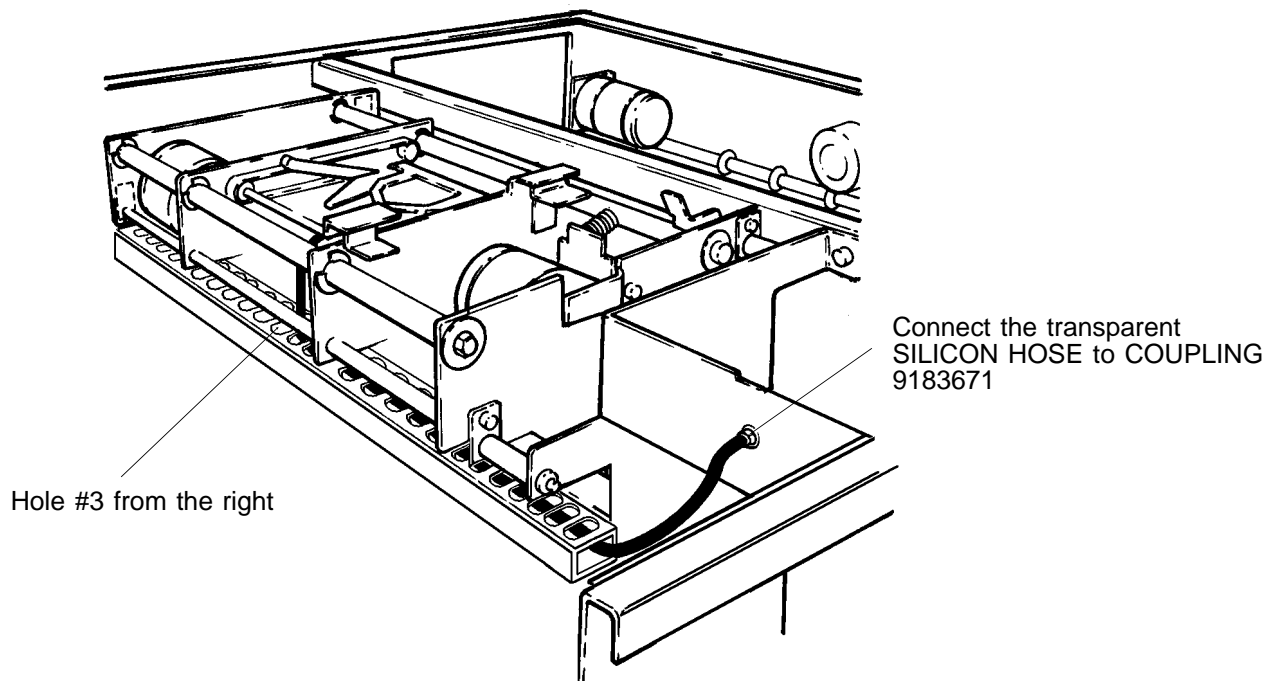


figure 9

32. Connect the transparent SILICON HOSE to COUPLING 9220811. See figure 7.

NOTE

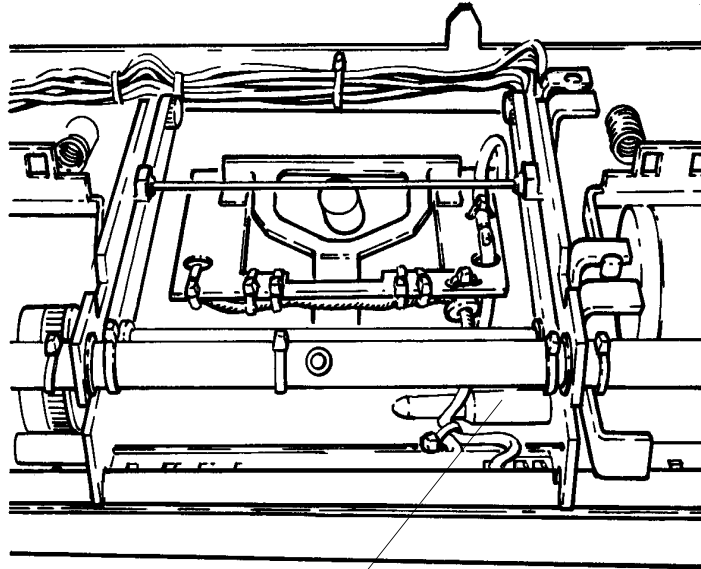
Make sure that the hose loop is big enough that the CASSETTE SUCKERBAR CARRIAGE can move freely forward and backward.

33. Route the SILICON HOSE through the CABLE DUCT and close the DUCT.
34. Connect the SILICON HOSE to COUPLING 9183671. See figure 9.
35. Proceed with step 38.

- 36.** Cut the WIRE TIE and replace the BOLT with NUT 4853141.

NOTE

If it is not possible to remove the BOLT, leave it in. Do not fix the VACUUM HOSE to the BOLT.



Replace this BOLT with NUT 4853141

figure 10

- 37.** Check that the HOSE LOOP is big enough that the CASSETTE SUCKERBAR CARRIAGE can move freely forward and backward.
- 38.** Switch on the XML300.
- 39.** Let the XML300 unload a few CASSETTES of various sizes and check if the system works correctly.
- 40.** Circle No. 18 on the MODIFICATION LABEL. See figure 11.
- 41.** Mount all PANELS.
- 42.** Insert all MAGAZINES.

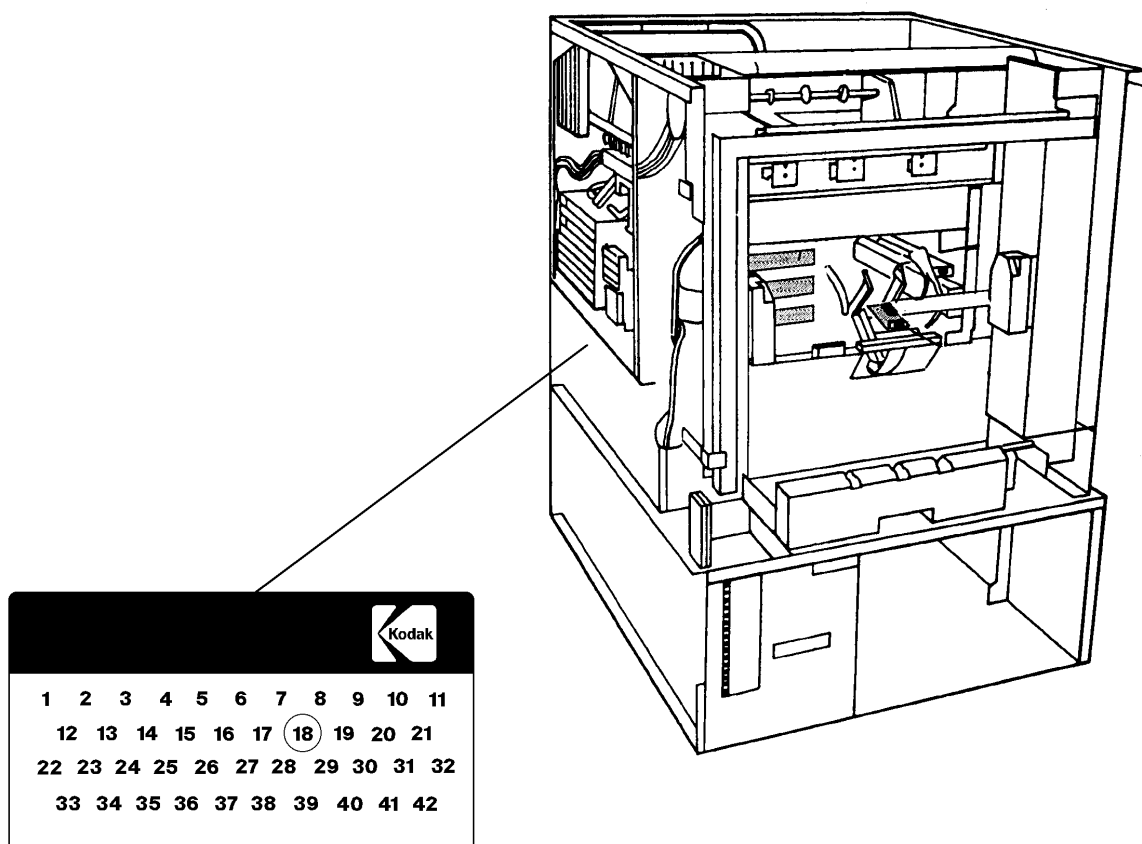


figure 11

FINAL TEST

1. Run several cycles with different CASSETTES.



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