

# **MODIFICATION INSTRUCTIONS**

for the

## **KODAK MULTILOADER 700**

Service Code 3053

### **MODIFICATION NO. 14**

TYPE 2

IMPORTANT:	Use qualified personnel to install this MODIFICATION !
PURPOSE:	To prevent damage to the RIBBON CABLE that connects PCBA7 to PCBA11 on the FILM POCKET.
SERIAL NUMBERS:	Up to SN 1535 ( 50Hz UNITS ). Up to SN 5297 ( 60Hz UNITS ).
SPECIAL TOOLS:	NONE
INSTALLATION TIME:	Approx. 1.5 hours
PARTS REQUIREMENTS:	See parts List

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## PARTS LIST

PART NO.	DESCRIPTION	QUANTITY
<b>9192955..... Mod Kit No. 14 includes:</b>		
9199226 .....	BRACKET .....	1
9199186 .....	RIBBON CABLE.....	1
9199216 .....	SHIM.....	1
9199206 .....	BRACKET .....	1
4283356 .....	SCREW.....	2
4853246 .....	NUT .....	1
9199176 .....	ROLLER.....	1
4480616 .....	WASHER .....	1
4283386 .....	SCREW.....	1
4283376 .....	SCREW.....	2
9199166 .....	BRACKET .....	1
9199146 .....	BRACKET .....	1

### NOTE:

The LABELS on the parts in the Mod Kit may vary at the last figure from the list above. For example the RIBBON CABLE 9199186 may be labelled as RIBBON CABLE 9199183. There is no difference between those parts. The number 9199186 is used for spare parts and the 9199183 is used in manufacturing. Use the part numbers from list above when ordering single parts from the Mod Kit.

- 1.** Switch off ML700.
- 2.** Separate ML700 from TUNNEL.
- 3.** Remove REAR COVER.
- 4.** Remove and discard RIBBON CABLE from FILM POCKET. See figure 1.

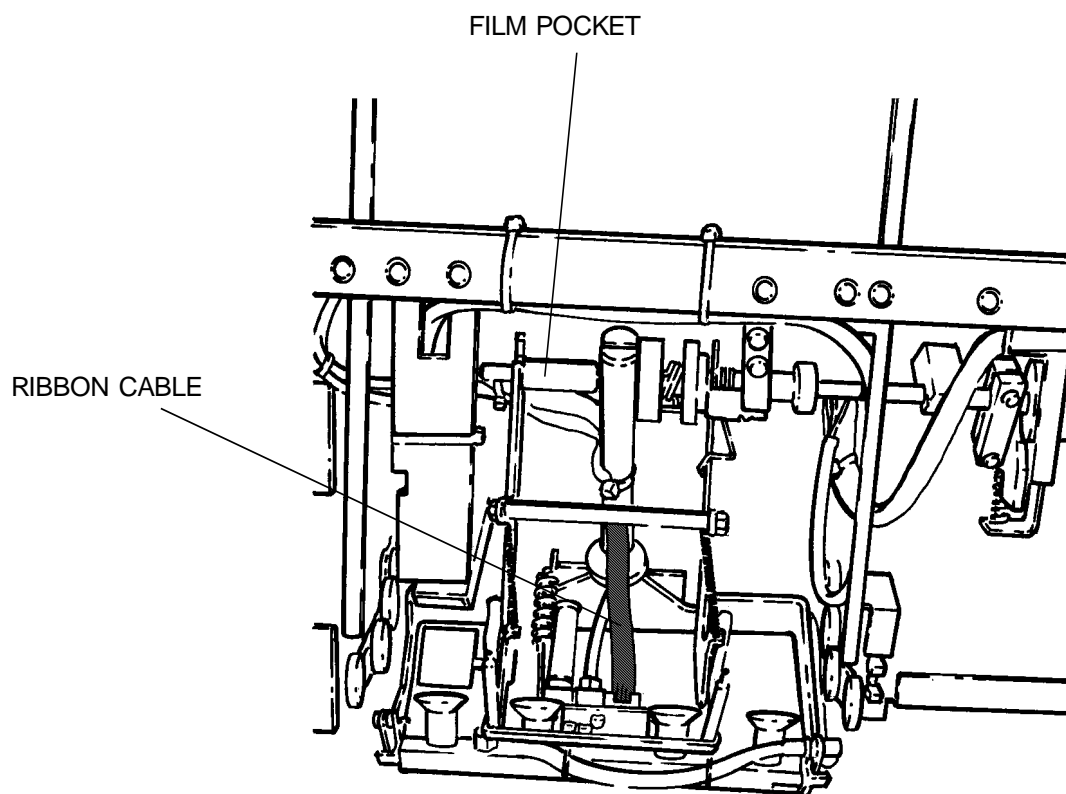


figure 1

- 5.** Plug in new RIBBON CABLE PN 9199186 on PCBA11 as shown on figure 2.

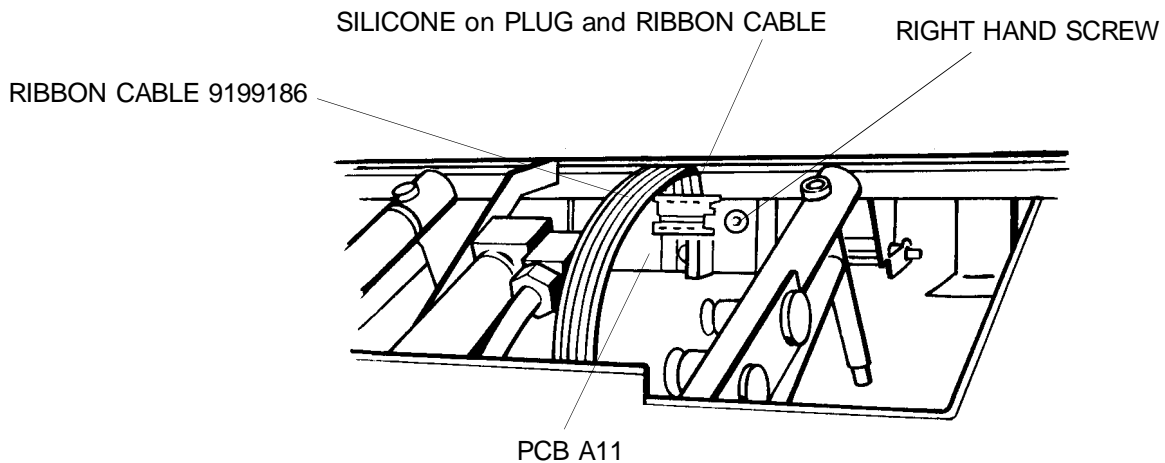


figure 2

- 6.** Remove right hand SCREW on PCBA11. See figure 2.
- 7.** Install BRACKET 9199226 on PCBA11 use SCREW removed in STEP 6. See figure 3.

**NOTE:**  
**Do not alter the adjustment of PCBA11 !**

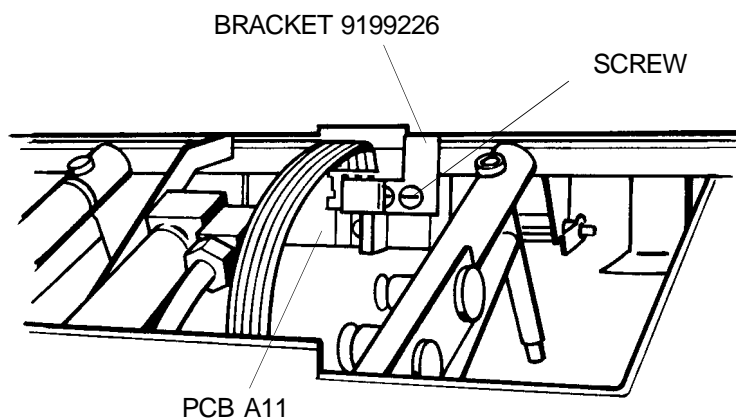


figure 3

8. Fix RIBBON CABLE 9199186 on MOUNTING of MAGAZINE SUCKERBAR as shown on figure 4. Check that the SILICONE HOSE is centered below BRACKET 9199206. Put some LOCTITE on SCREWS as indicated in figure 4.

**NOTE:**

**Do not tighten the SCREWS on the BRACKET in one go. Tighten SCREWS alternatingly.**

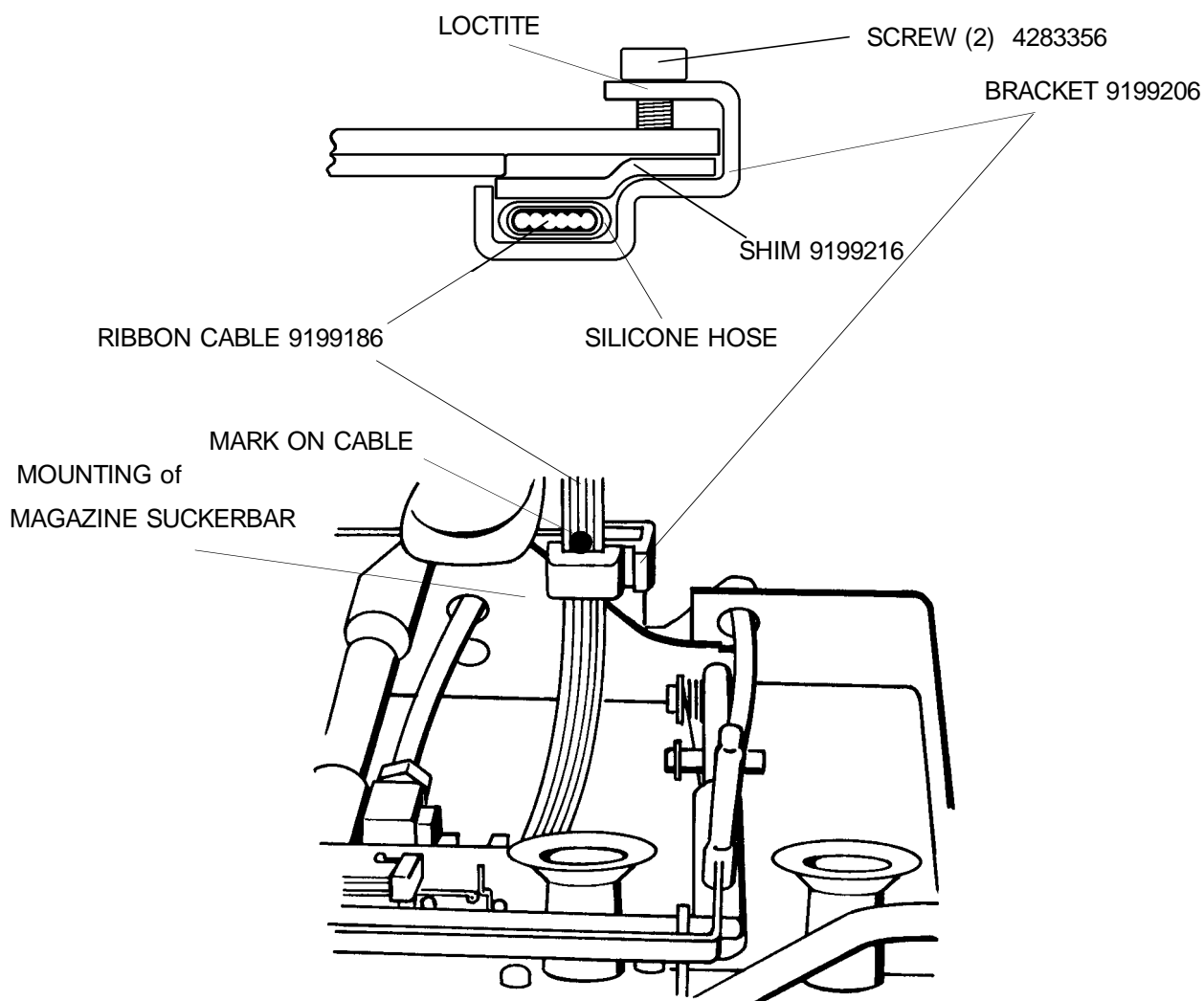


figure 4

9. Remove and discard SCREW indicated in figure 5. Keep the WASHER which is installed on SCREW.

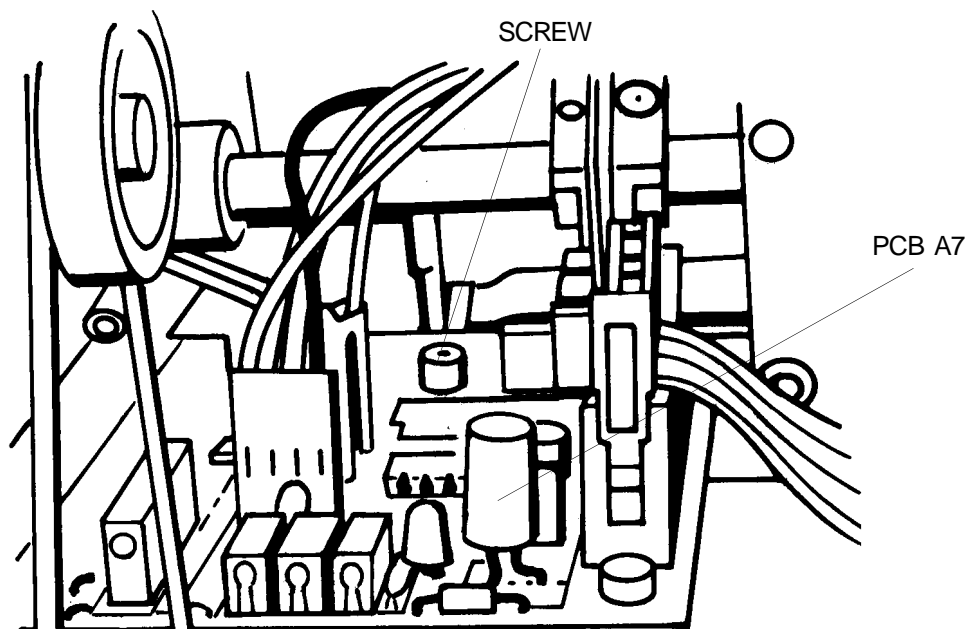


figure 5

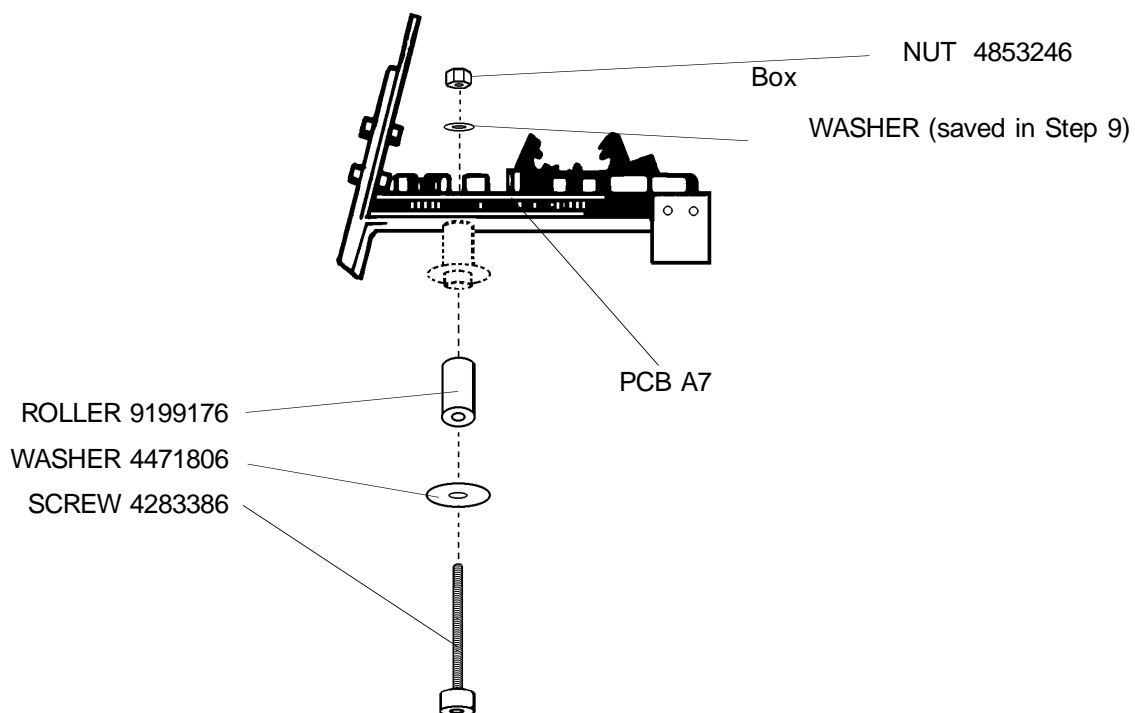


figure 6

**10.** Install parts shown in figure 6.

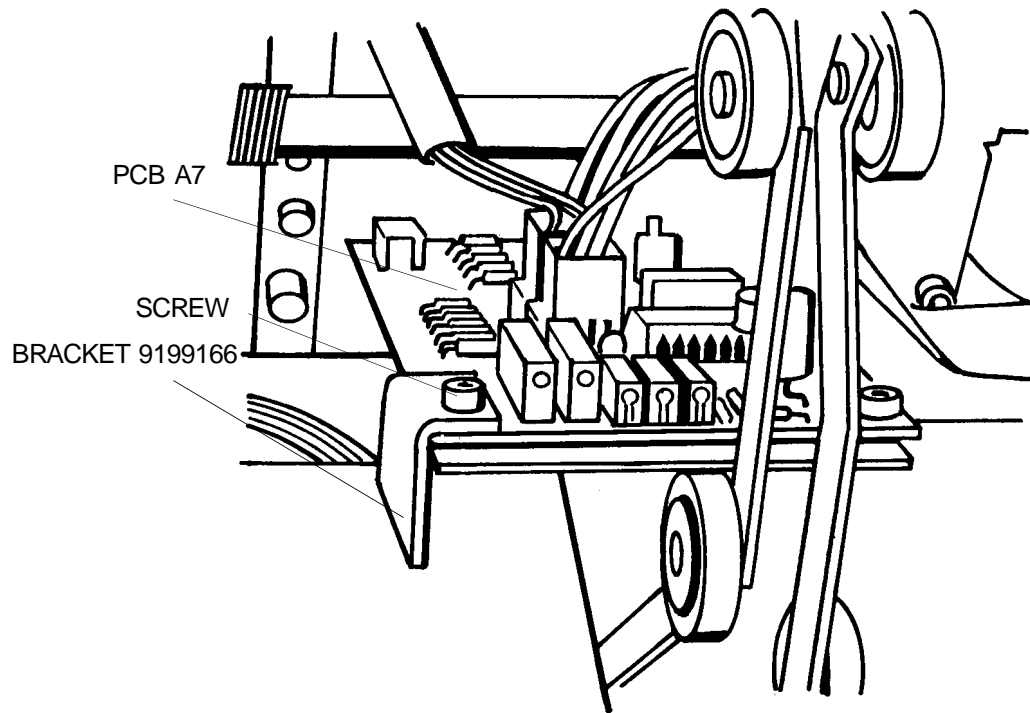


figure 7

**11.** Install BRACKET 9199166 on PCBA7 using existing SCREW. See figure 7.



- 12.** Fix RIBBON CABLE 9199186 on BRACKET 9199166 using BRACKET 9199146 and two SCREWS 4283376. Check that SILICONE HOSE is centered below BRACKET 9199146 and that MARK on RIBBON CABLE is on the same position as shown on figure 8 and 9.

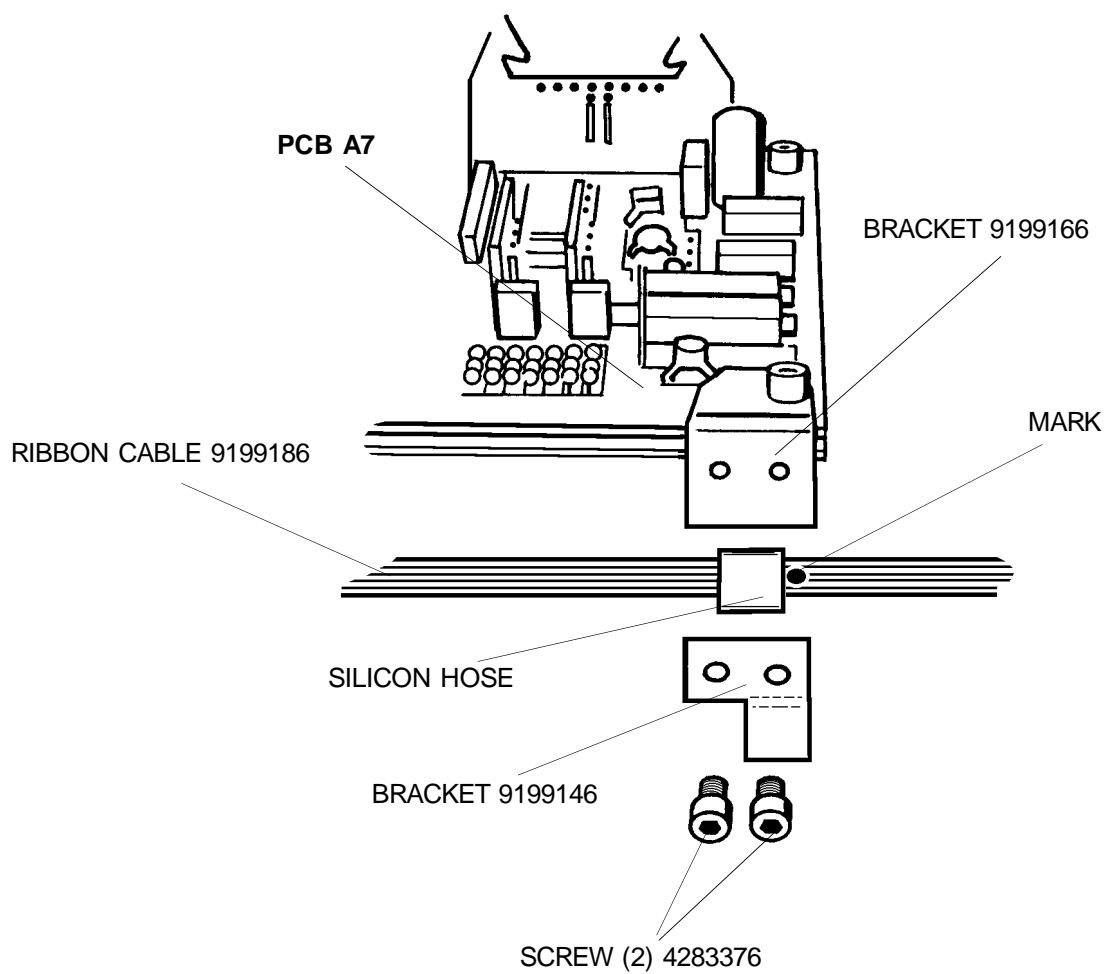


figure 8

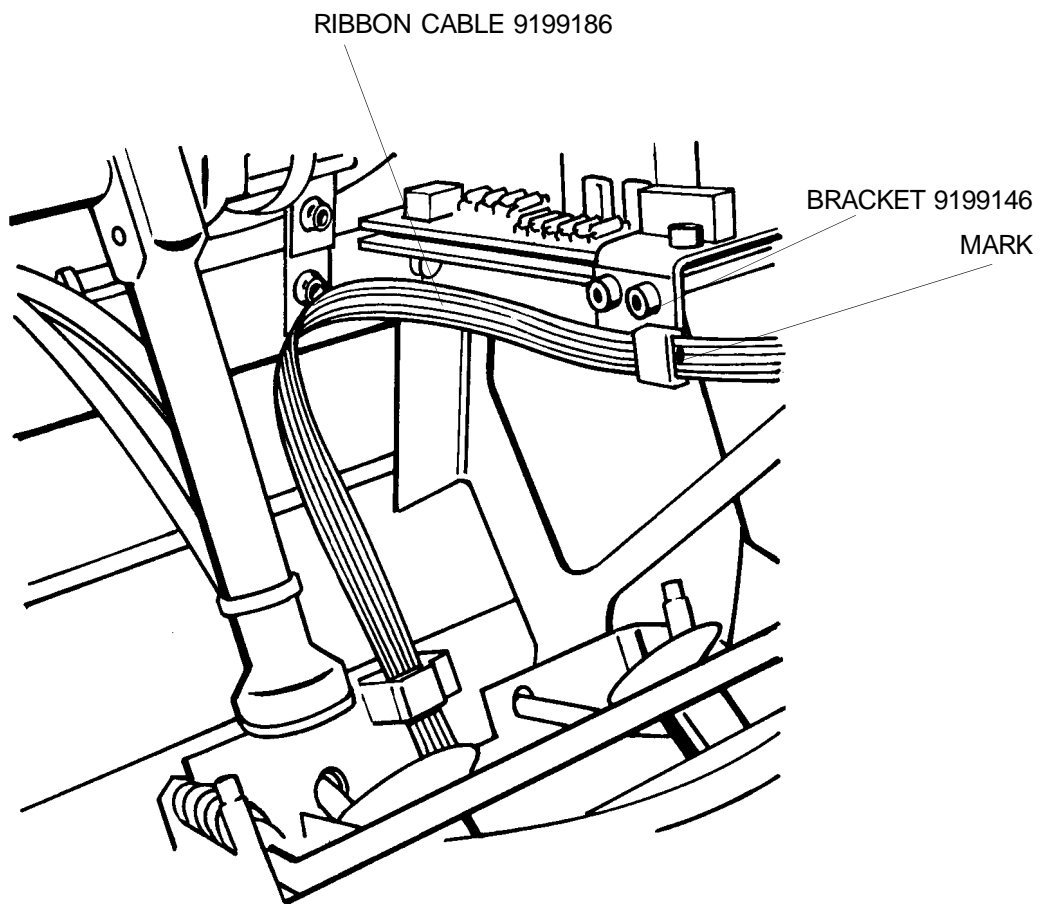


figure 9

- 13.** Route RIBBON CABLE around ROLLER below SUPPORT PLATE of PCBA7 as shown on figure 10.

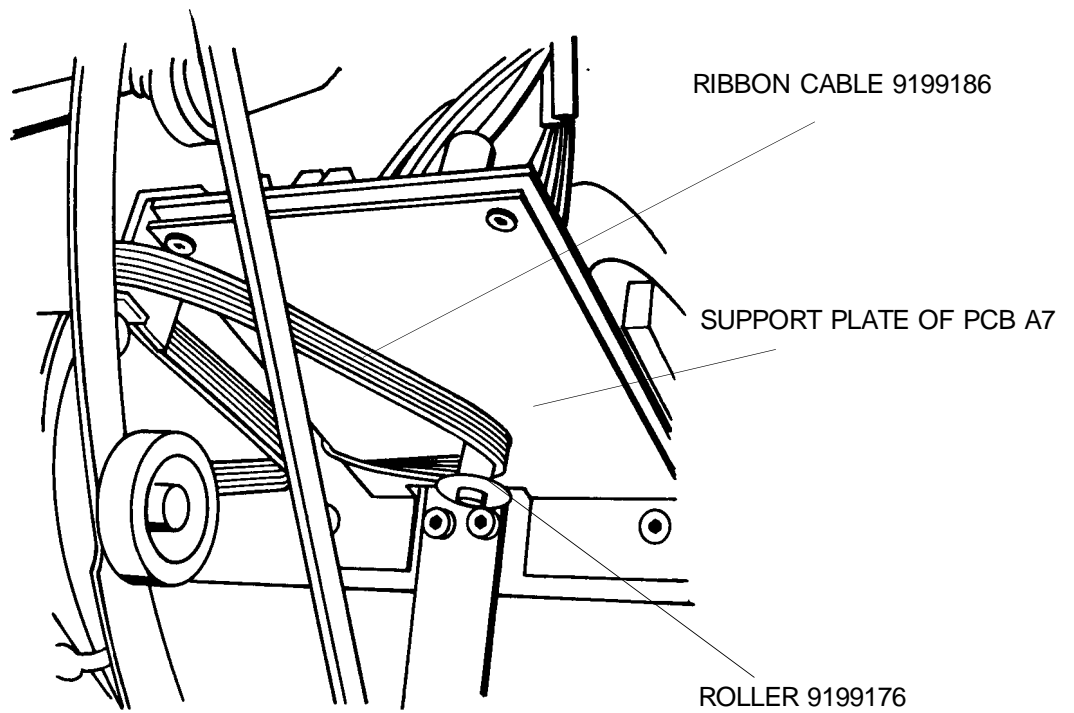


figure 10

- 14.** Insert PLUG of RIBBON CABLE 9199186 as shown in figure 11.

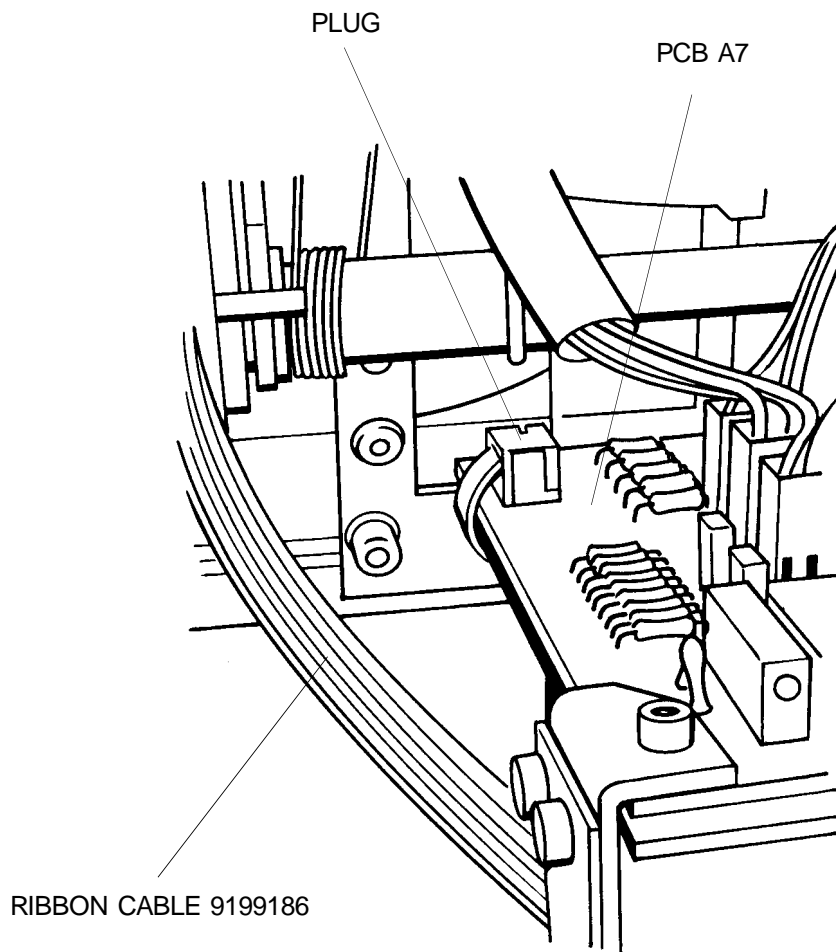


figure 11

- 15.** Check that the RIBBON CABLE 9199186 does not touch PCB A7 or the SUPPORT of PCBA7 by

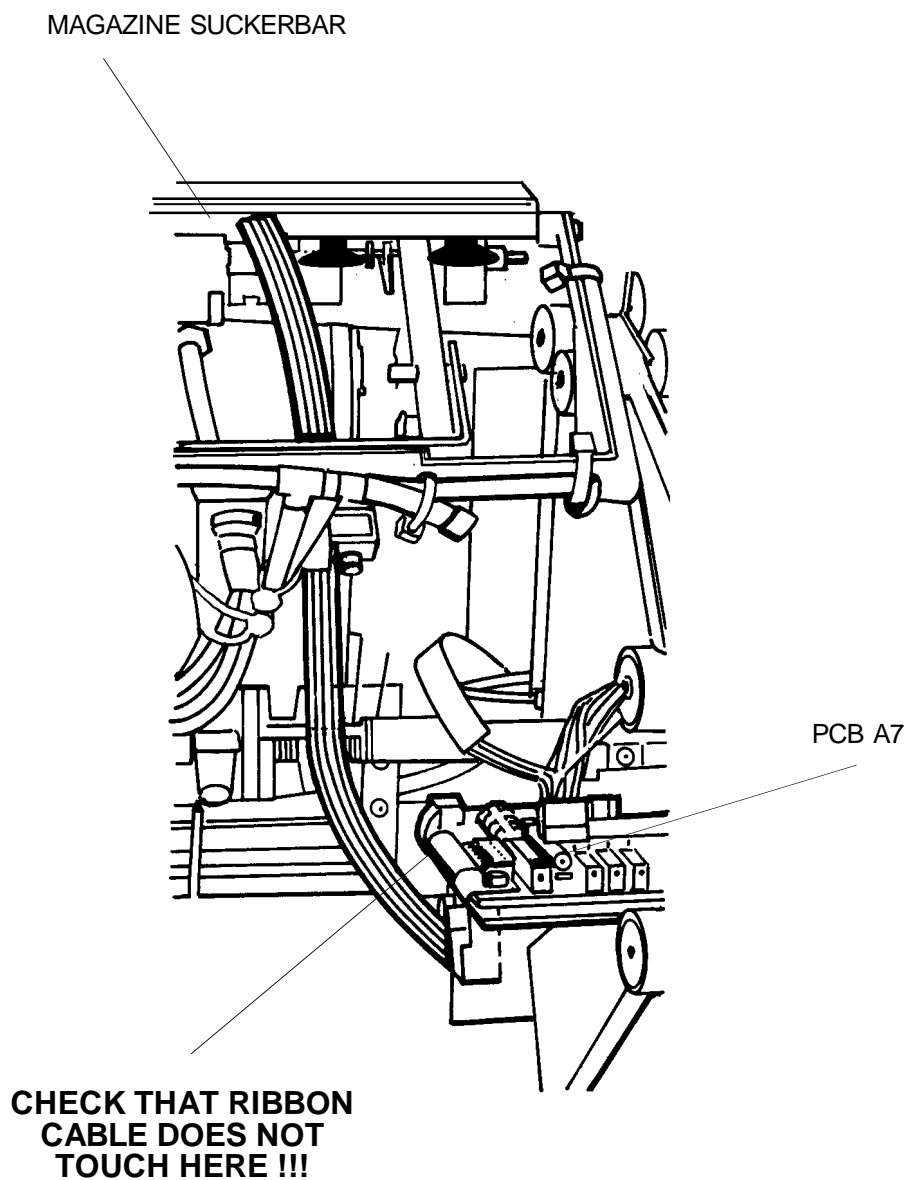


figure 12

moving MAGAZINE SUCKER BAR in and out. See figure 12.

- 16.** Insert an empty MAGAZINE.

- 17.** Switch on the ML 700.
- 18.** Enter SERVICE MODE.
- 19.** Move the FILM POCKET to the level of the empty MAGAZINE.
- 20.** Open the empty MAGAZINE in SERVICE MODE.

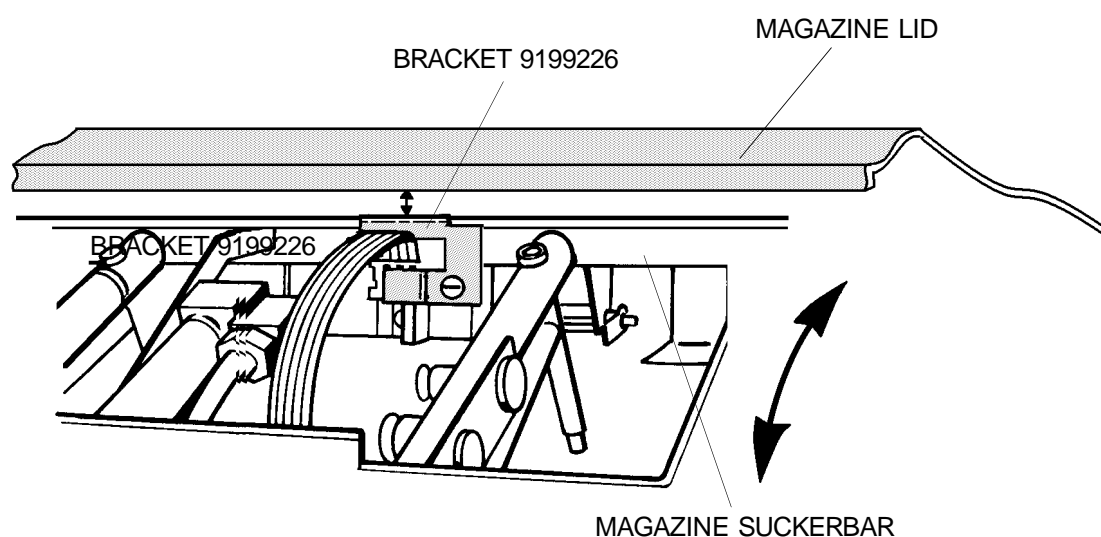


figure 13

- 21.** Move the MAGZINE SUCKERBAR in and out. Check that the BRACKET 9199226 does not touch the MAGAZINE LID. See figure 13..  
If the BRACKET 9199226 touches the MAGAZINE LID continue with step 22. If the adjustment is correct continue with step 23.
- 22.** Carefully bend the BRACKET down until there is a small clearance between the BRACKET and the LID of the MAGAZINE.

**NOTE:**

**Do not bend the BRACKET more than necessary !**

**23.** Move the MAGZINE SUCKERBAR in and out. Check that the RIBBON CABLE does not touch the LID of the MAGZINE. See figure 14.

If the RIBBON CABLE touches the MAGAZINE LID:

- Slightly loosen the SCREWS on the BRACKET 9199206 shown in figure 4 and pull the RIBBON CABLE down until there is a small clearance between the LID and the RIBBON CABLE.

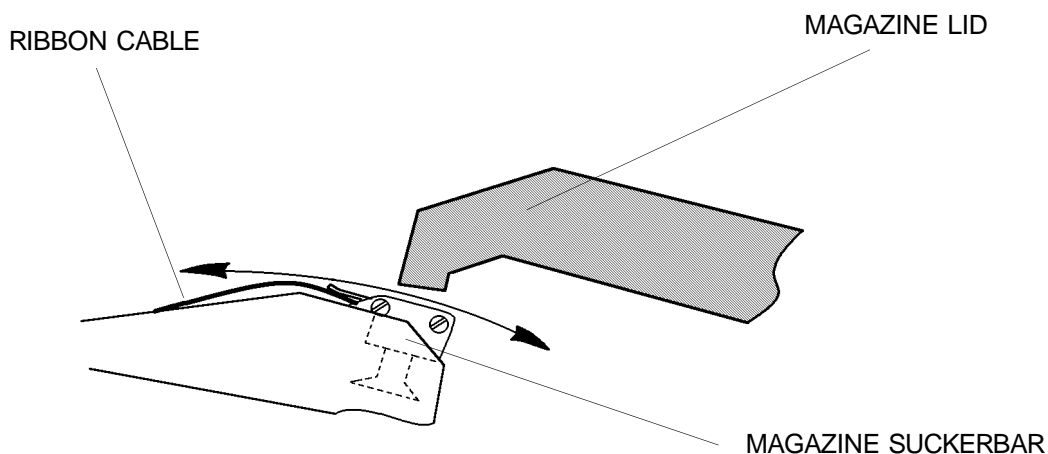


figure 14

- Fasten the SCREWS on the BRACKET.

**24.** Load a MAGAZINE with approx. 5 test films.

**25.** Set the PARAMETER **STEP BY STEP** to 1.

**26.** Insert a CASSETTE at the same size and type as the test films.

**27.** Check that the MAGZINE SUCKERBAR does not become blocked by the edge of the MAGAZINE and that all the films are unloaded from the MAGAZINE without any problems. See figure 15.

**NOTE:**

**Perform this test at MAGAZINE level 1,4 and 7. If the MAGAZINE SUCKERBAR is blocked and does not reach all the films in the MAGAZINES. See figure 15 : Bend the BRACKET 9199226. After this you have to repeat step 21.**

**If it is not possible to perform both adjustments: Check the adjustment of the FILM POCKET as described in the SERVICE MANUAL.**

Check that the MAGAZINE SUCKERBAR does not become blocked here by the BRACKET 9199226 !

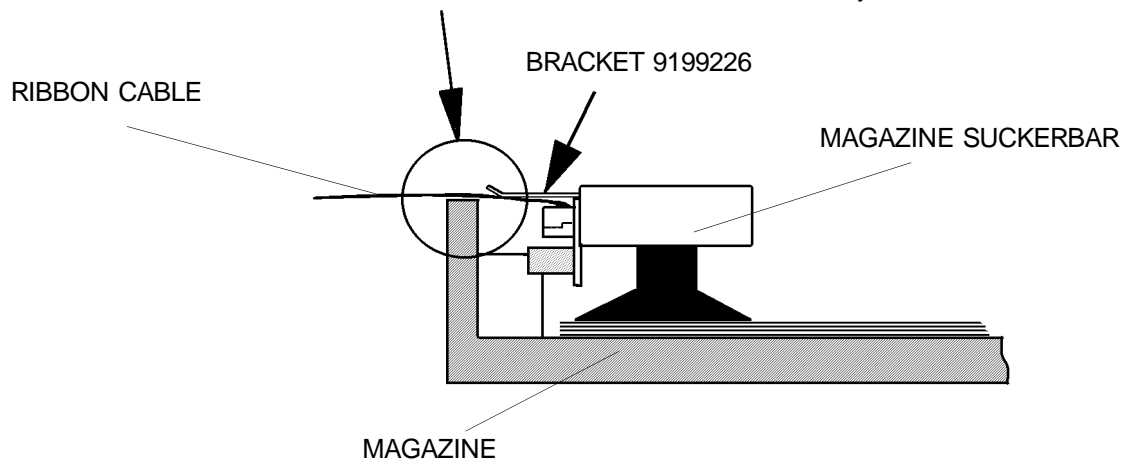


figure 15

- 28.** Check that the right hand DEFLECTOR does not touch the BRACKET 9199206.  
See figure 16 and 17.

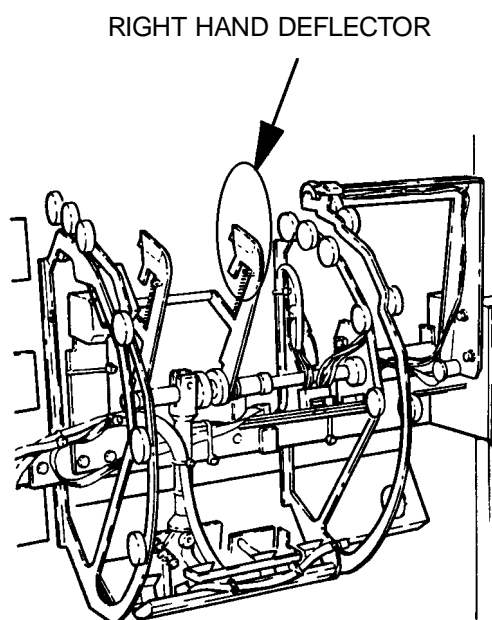


figure 16



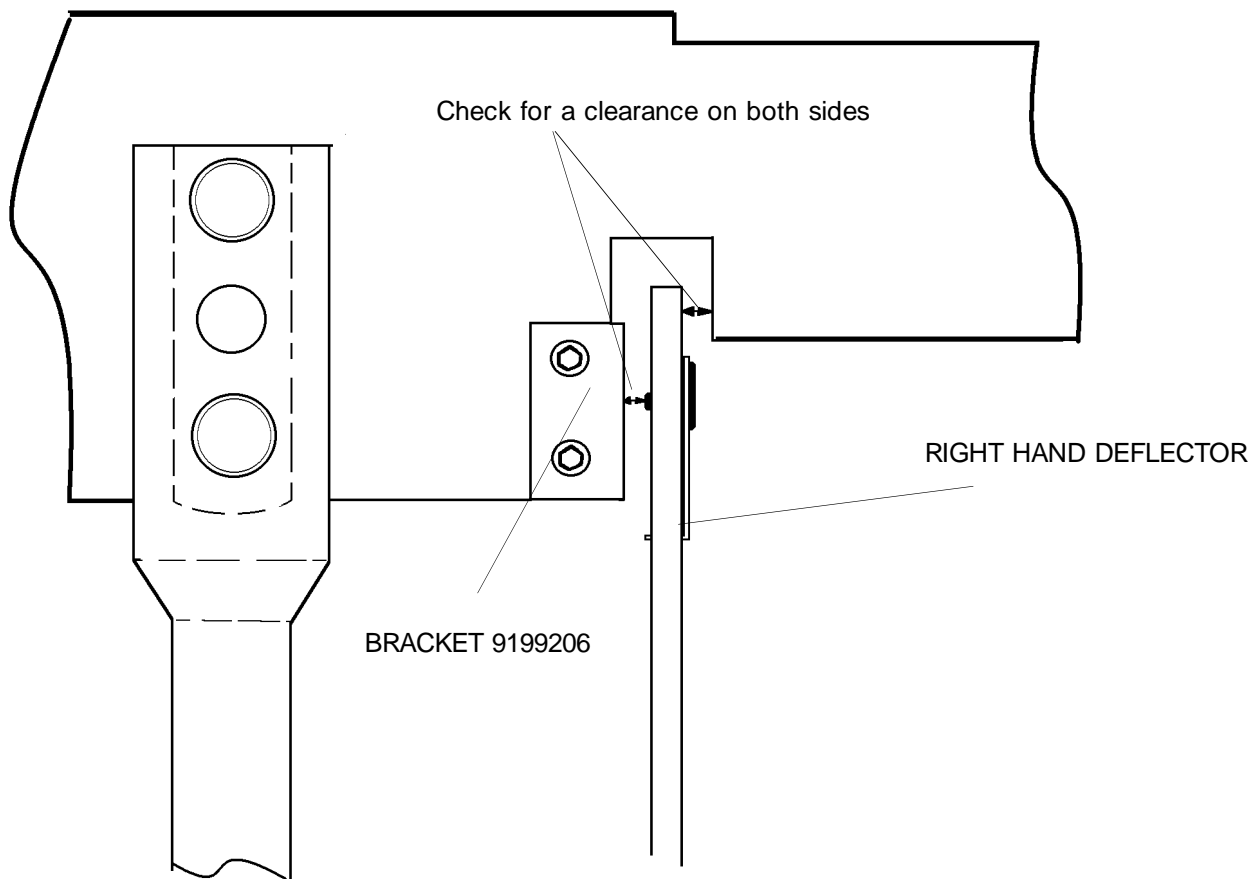


figure 17

- 29.** If necessary carefully bend the RIGHT HAND DEFLECTOR as shown in figure 18. Hold the DEFLECTOR at the indicated points for that the DRIVE SHAFT of the MAGAZINE SUCKERBAR does not become bent. The adjustment of the RIGHT HAND DEFLECTOR is shown in figure 17.

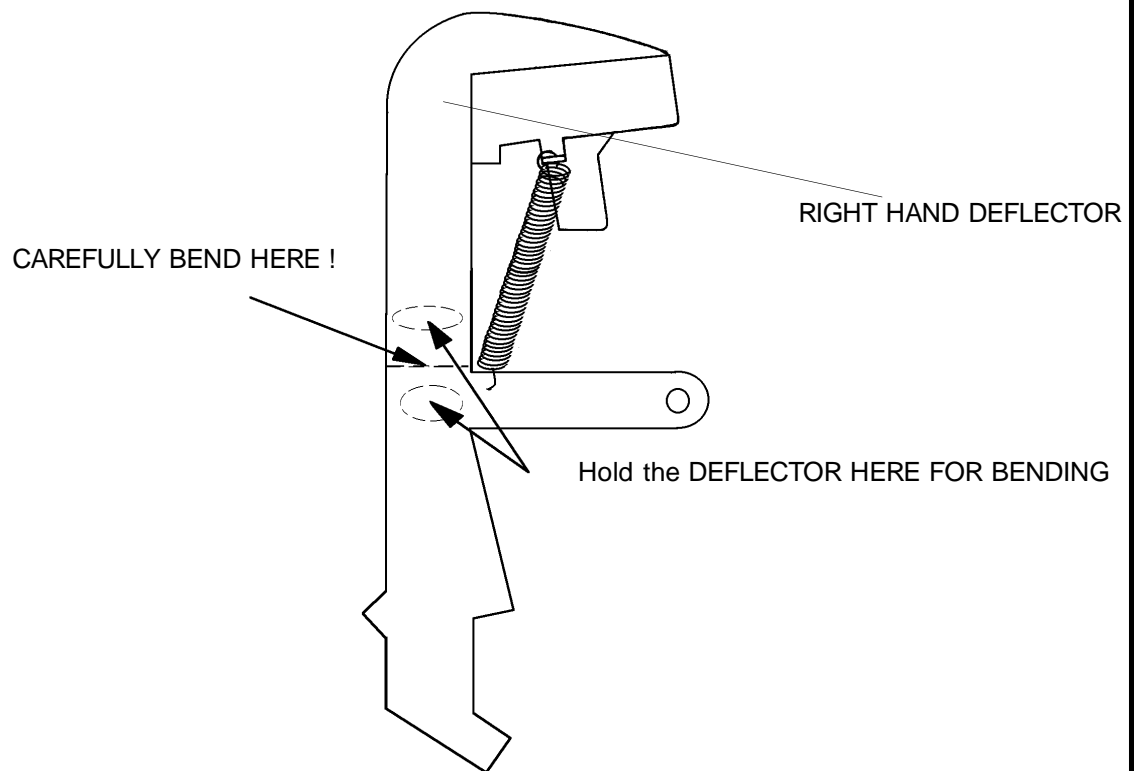


figure 18

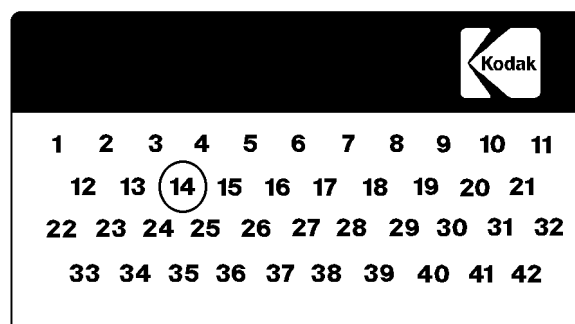


figure 19

**30.** Circle No. 14 on Mod Label on ML700.

**31.** Install REAR COVER and connect ML700 to the TUNNEL.

**32.** Set the PARAMETER STEP BY STEP back to 0.

**33.** Key in 3585 to bring all MOTORS back to HOME POSITION.



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