

MODIFICATION INSTRUCTIONS

for the

***KODAK X-Omatic* MULTILOADER 700**

Service Code 3053

MODIFICATION No. 27

Type 1 SELECTIVE

PURPOSE:
To increase the efficiency of the Humidifier

IMPORTANT	: Use qualified service personnel to install this modification !
SERIAL NUMBERS	: 50 Hz all units 60 Hz all units
INSTALLATION TIME	: Approx. 2.5 hours
SPECIAL TOOLS	: SABRE SAW, POWER DRILL
PARTS REQUIREMENTS	: Mod Kit 27 PN 9188006

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PARTS LIST

PART NUMBER	DESCRIPTION	QUANTITY
9188006	MODIFICATION KIT No 27 consists of:	
MB 3053-27	MODIFICATION INSTRUCTION	1
9288103	HUMIDIFIER HOOD	1
9288082	HUMIDIFIER COVER PLATE	1
4531551	RESISTOR 27 Ohm 7W	1
5001627	FOAM RUBBER 9x6 mm	2m
4281511	SCREW M4x14	1
4480391	WASHER 4,3 mm	1
9187922	DOOR FAN MOUNT	1
9198266	FILTER CARTRIDGE	1
6081850	WIRE TIE	10
4521441	WIRE TIE SOCKET, self adhesive	3
9187856	AIR FILTER	1

INTRODUCTION

The standard ML700 Humidifier sucks in ambient air. This air passes through the HUMIDIFIER FILTER CARTRIDGE and is blown into the ML700. When the set humidity is reached the HUMIDIFIER is switched off and the DOOR FAN is switched on again. With this method always fresh (dry) air has to be moistened. If the ambient humidity is at 15% RH the humidity inside the ML700 might not exceed 35% RH.

The improved HUMIDIFIER sucks in air from the inside of the ML700, passes it through the FILTER CARTRIDGE and blows it back into the ML700. The DOOR FAN is running all the time. If the ambient humidity is at 15% RH the humidity inside the ML700 will reach 50% RH.

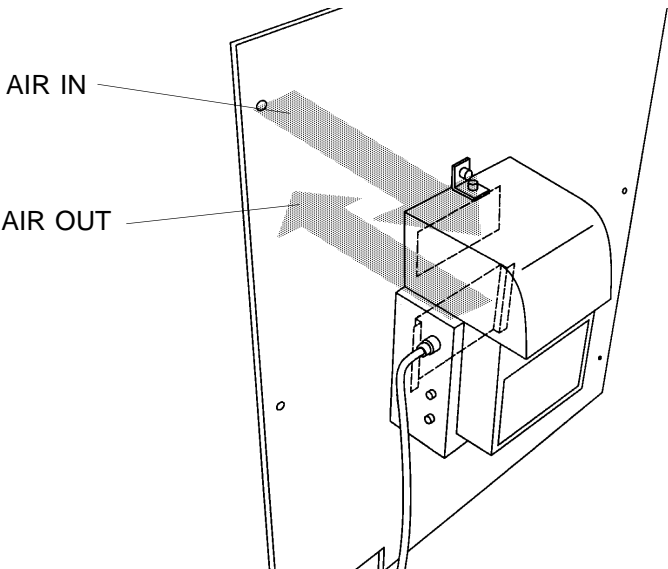


figure 1

INSTALLATION

Modification Of The Humidifier And The Rear Panel

1. Switch off the ML700.
2. Separate the ML700 from the PROCESSOR (or SIDE-BY-SIDE).
3. Close the water line to the HUMIDIFIER.
4. Disconnect the HUMIDIFIER CABLE from the ML700 CONNECTOR and take off the ML700 REAR PANEL.
5. Take off the HUMIDIFIER from the REAR PLATE and empty it. This gives better access to the REAR PLATE when making the necessary CUT-OUT. Discard the metal COVER PLATE from the inner side of the REAR PANEL. This plate is replaced with a new one.
6. Replace the FILTER CARTRIDGE with a new one. If necessary clean the inside of the HUMIDIFIER.
7. Discard the following parts:
BLACK FOAM RUBBER
HOLDING CLIP
MOUNTING BRACKET FOR HOLDING CLIP
LATCH BRACKET FOR HOLDING CLIP
HUMIDIFIER TOP COVER

NOTE

Turn the MOUNTING SCREWS of the LATCH BRACKET and the MOUNTING BRACKET back in to make the HUMIDIFIER HOUSING lighttight. If necessary use in addition black TAPE or black RTV.

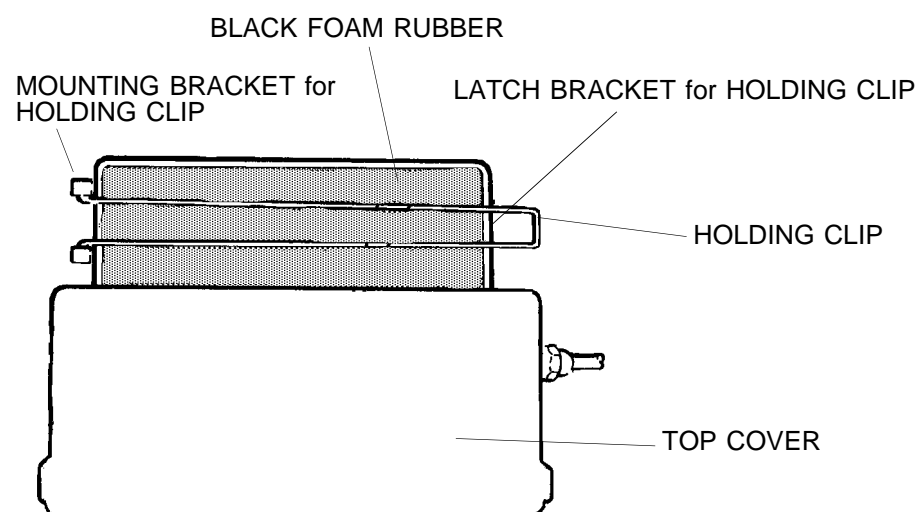


figure 2

8. Mark the CUT-OUT on the REAR PLATE as shown.

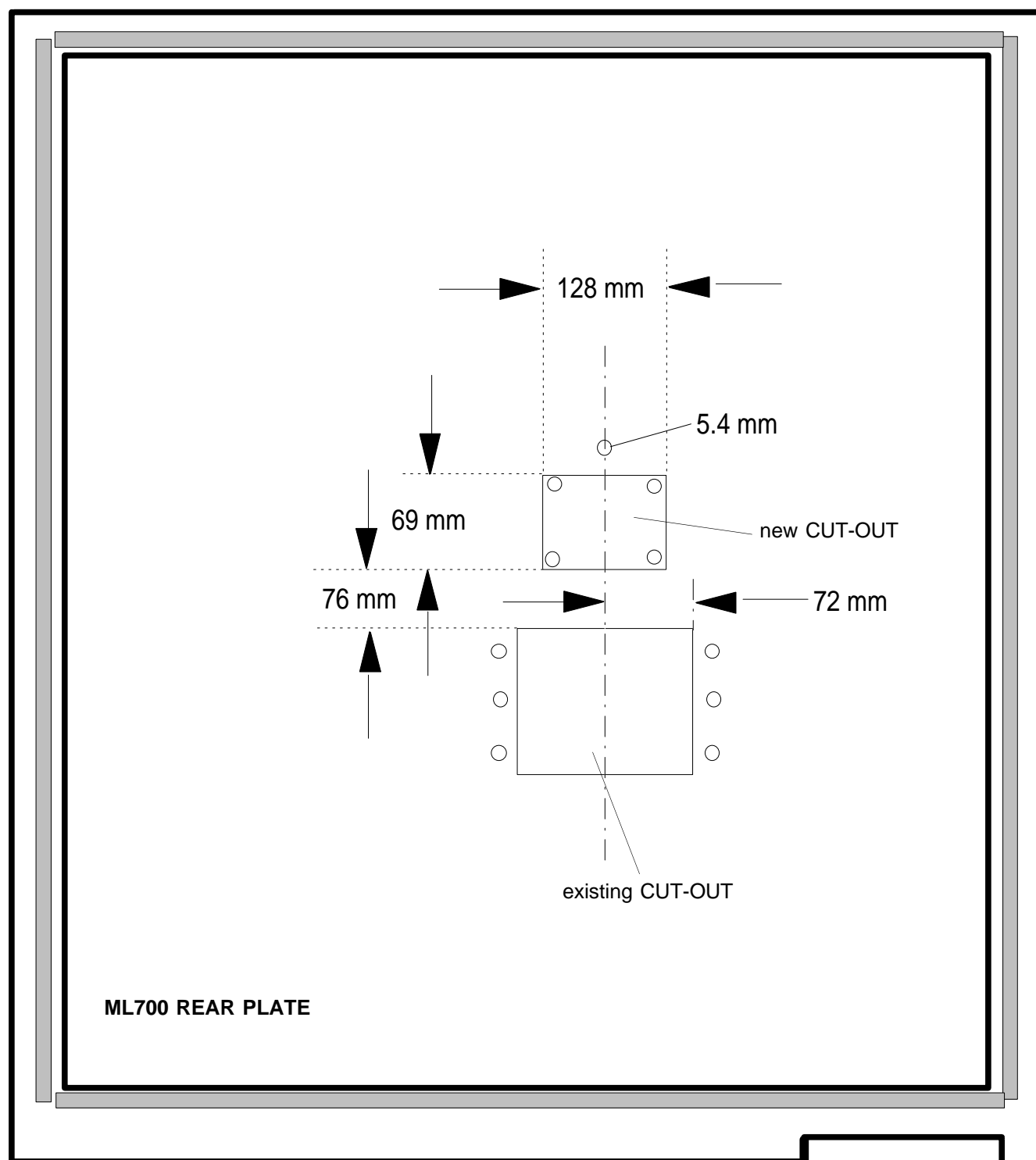


figure 3

9. Place the REAR PLATE onto a support (this prevents from drilling into the floor or desk) and drill a hole into each corner of the new CUT-OUT and drill the 5.4 mm hole above the new CUT-OUT.
10. Use a SABRE SAW and cut out the new CUT-OUT.

WARNING

TAKE CARE WHEN USING A SABRE SAW. ENSURE THAT THE SUPPORT MENTIONED IN STEP 9 IS HIGH ENOUGH THAT THE SAW BLADE CAN MOVE FREELY.

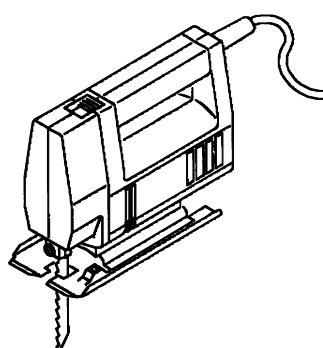


figure 4

11. File off the burrs.
12. Mount the HUMIDIFIER to the REAR PLATE with the 2 MOUNTING SCREWS. Mount the HUMIDIFIER COVER PLATE with 4 MOUNTING SCREWS.

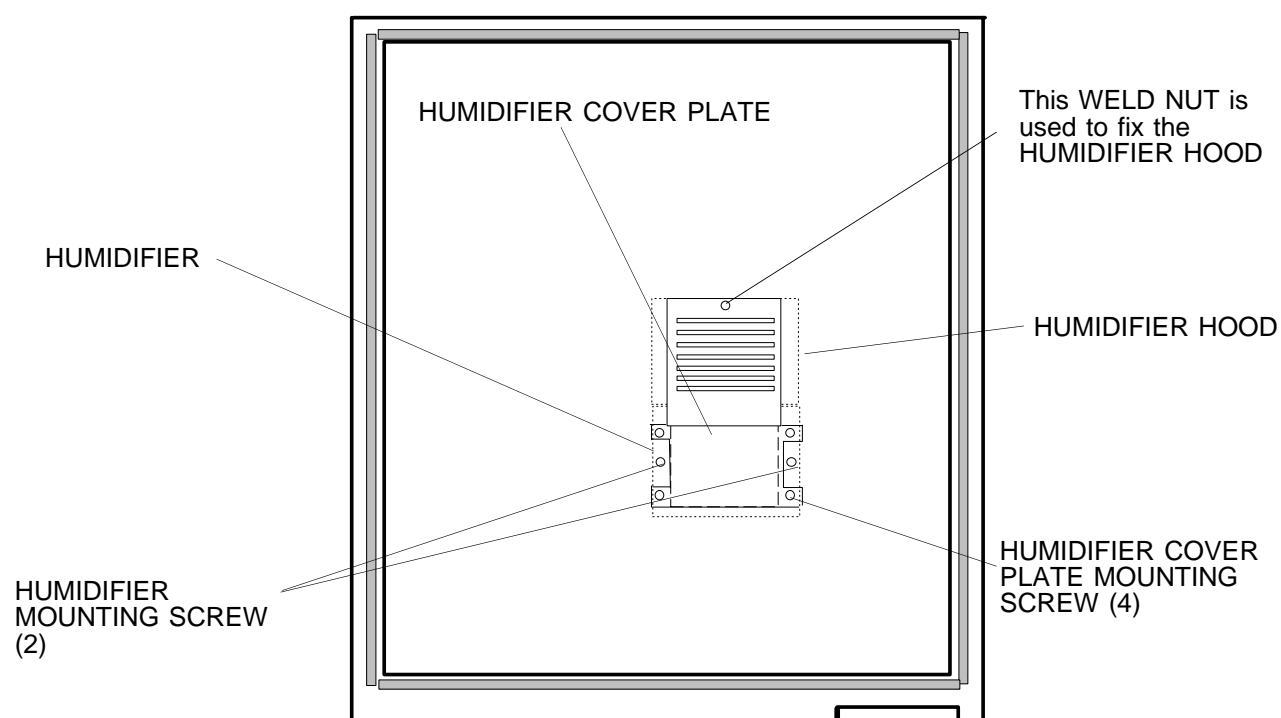


figure 5

13. Place FOAM RUBBER between the REAR PLATE and the HUMIDIFIER HOOD to ensure that the REAR PLATE is lighttight. See figure 1-7.

14. Replace the RESISTOR at the HUMIDIFIER FAN with the new one from the MOD. KIT.

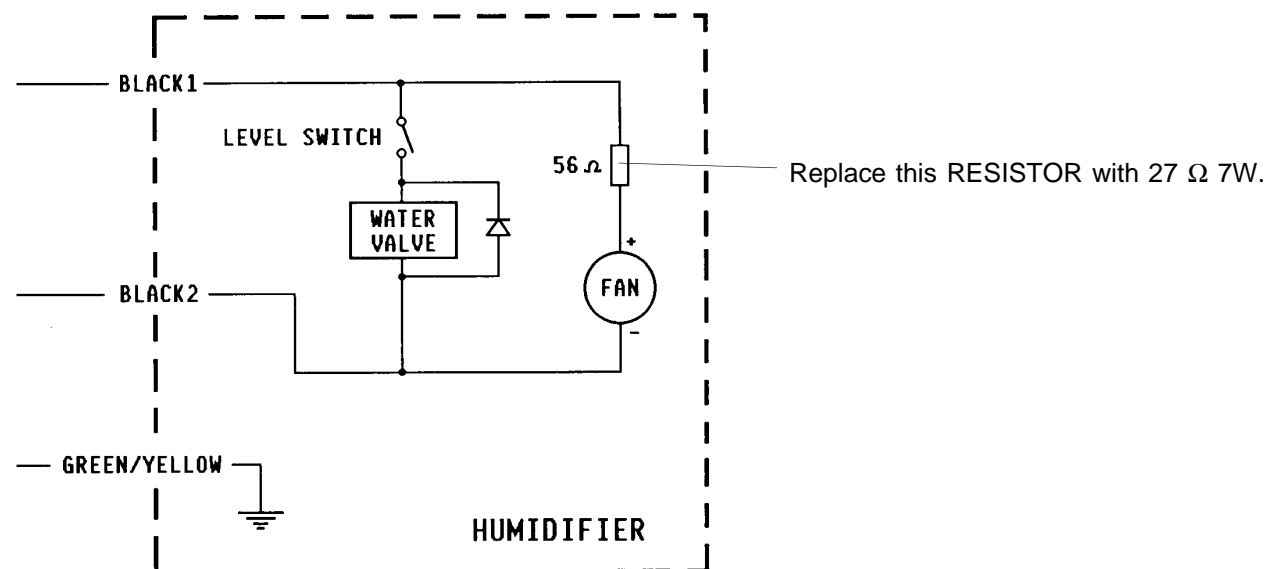


figure 6

15. Place the HUMIDIFIER HOOD on top of the HUMIDIFIER and fix it with the MOUNTING SCREW.

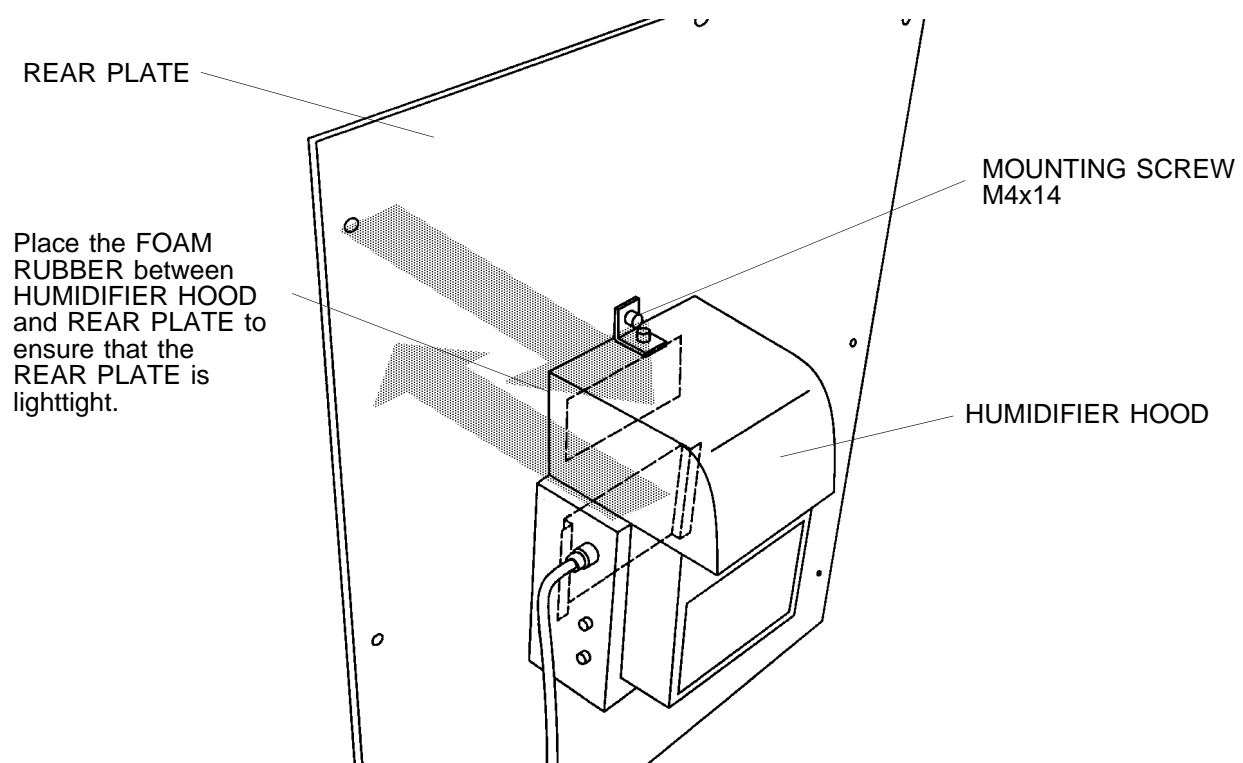


figure 7

Modification Of The Door Fan

1. Open the ML700 LEFT PANEL.
2. Take the DOOR FAN off the DOOR FAN MOUNT.
3. Discard the DOOR FAN MOUNT.
4. Mount the DOOR FAN onto the new DOOR FAN MOUNT. The air flow of the DOOR FAN must point upwards. This increases the efficiency of the HUMIDIFIER.

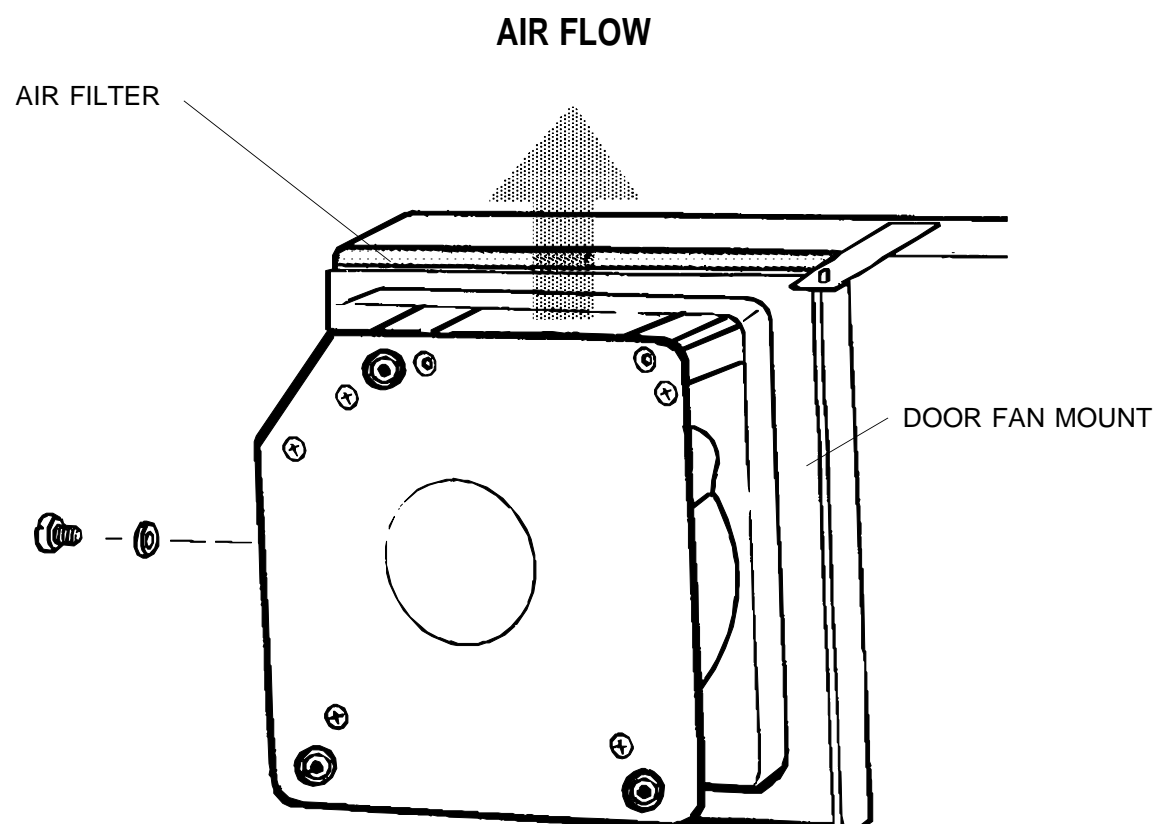


figure 8

5. Replace the AIR FILTER in front of the FAN with the new one from the KIT..
6. Connect the DOOR FAN CONNECTOR to CONNECTOR W12X3. The FAN is now connected to power as long as the ML700 is switched on. Fix the HARNESS with WIRE TIES and the self adhesive WIRE TIE SOCKETS to the SIDE PANEL. This ensures that the HARNESS stays in place and cannot be caught by moving parts.
7. The FAN CABLE with the T-ADAPTER is no longer needed. Disconnect it from PCB A16 (Humidifier Control) and discard it.

Final Test

1. Switch on the ML700.
2. Check that the DOOR FAN is running.
3. Connect the DVM to TP5 (+) and TP2 (Gnd) of PCB A16.
4. Adjust R1 until the voltage reading is +5.0V.
5. Circle No 27 on the MODIFICATION LABEL.

Kodak										
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	
22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	

figure 9

6. Mount the REAR PLATE and connect the HUMIDIFIER CABLE.

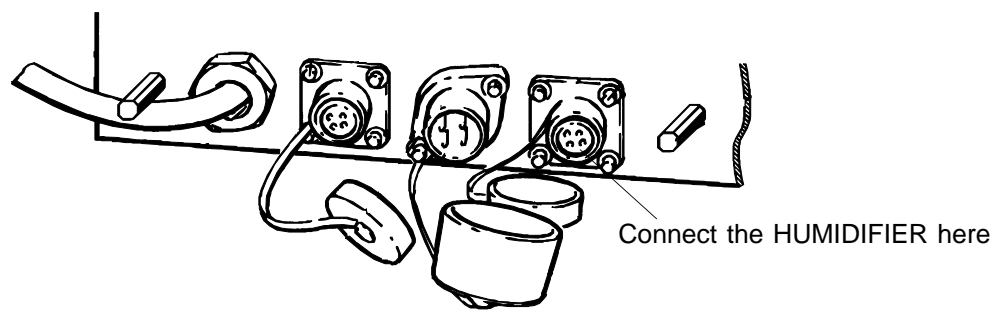


figure 10

7. Close the SIDE PANEL.
8. Run a few cycles with various CASSETTE SIZES to ensure proper operation.



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