**FIELD CHANGE ORDER**

| PRODUCT: | NUR Fresco™ 1800  
| NUR Fresco™ 3200 | PART/ASSEMBLY: | Snap-In Flat Cable Connector  
| Polarizer | FCO KIT P/N: | 10-0158 |

| ISSUE DATE: | 14-Oct-01 | DESCRIPTION OF CHANGE: | Install Snap-In Polarizer on Flat  
| Cable Connectors. | | APPLICABLE FOR S/N: | From:  
| | | NUR Fresco™ 1800 #10200  
| | | NUR Fresco™ 3200 #14148 |

| SOFTWARE AFFECTED: | □ YES ☒ NO | IMPLEMENTATION: | □ ON REQUEST □ IMMEDIATE  
| NEXT CALL □ ON FAILURE | | PREPARED BY: | Alex Davidson |

| TYPE OF CHANGE: | ☒ MANDATORY | MATERIAL DISPOSITION: | □ N/A  
| ☐ COST | ☐ CONDITIONAL | □ USE AS SPARE  
| ☐ PRODUCTION | ☐ RELIABILITY | ☒ DISCARD ALL  
| ☐ MAINTENANCE | ☐ FUNCTIONALITY | □ DISCARD SELECTIVELY (refer to Mat'l Disposition) |  
| | | □ SEND BACK FOR REWORK |

| PROJECT MANAGER: | SIGNATURE/DATE | ENGINEERING MANAGER: | SIGNATURE/DATE  
| ICS MANAGER: | SIGNATURE/DATE | |

This document should be read carefully before implementing the Upgrade.
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1. Reason for Change

Removal and reinstallation of Print Head requires disconnection and reconnection of flat cable connectors. If any flat cable is accidentally reconnected upside down, this can short-circuit the PH and other boards. By installing Snap-In Polarizers on every connector, this risk can be averted.

2. General

This Field Change Order details the installation of Snap-In Polarizers on the connectors on the Motherboard, and the replacement of all PH flat cables with new-labeled cables.

3. Estimated Installation Time

Two hours.

4. Implementation

NUR Fresco™ 1800 from machine # 10201.

NUR Fresco™ 3200 from machine # 14148.

5. Installation of Snap-In Polarizers and PH Flat Cable Replacement

⚠️ Caution: Before commencing this procedure, switch off the 35V DC Print Head power supply circuit breaker.

1. Disconnect all 32 flat cables from connectors on the Motherboard.

2. Take a Snap-In Polarizer unit from the kit.

Each Snap-In unit consists of two polarizers attached to a central circular grip (refer to Figure 1).

Note: Each flat cable connector requires one Snap-In unit to for this installation.
Figure 1: Snap-In Polarizer unit

3. Orient the polarizer so that the protruding polarizer latch is on the same side as the inner wall of the connector housing on the motherboard (refer to Figure 2 and Figure 3).

Figure 2: Snap-In Polarizer, Aligned with Connector Housing

4. Slide the polarizer over the polarizing slot of the housing (insert according to arrow in Figure 2), until the latch engages the hole.

5. Twist the grip to snap off the tab at the break line next to the housing (refer to Figure 4).
6. Using the remaining polarizer, repeat steps 3 to 5 for the other slot in the connector housing.

7. Repeat steps 3 to 6 for all the connectors on the Motherboard.

![Polarizer in Place on Connector Housing](image)

**Figure 4: Snap-In Polarizer, in place**

8. Disassemble the Print Heads from the Printer Plate.
9. Disconnect the flat cable from Print Head and discard.
10. Install Snap-In Polarizers in Print Head connector, as in steps 3 to 6.
11. Connect new flat cable, from kit (refer to Figure 5), from Print Head connector to correct connector on Motherboard.

⚠️ **Caution:** Be sure to connect all flat cables to the correct connectors! Follow the orientation markings on the new cables.

12. Repeat steps 8 to 11 for all 32 flat cables and PHs.

![Replacement Flat Cable, with Connection Orientation Markings](image)

**Figure 5: Replacement Flat Cable, with Connection Orientation Markings**
6. Logistics

**Installation Kit Snap-In Polarizer, P/N: 10-0158**

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