Service Information Bulletin

This Bulletin is for information only.

Introduction of DMC firmware version 11R3b7

Task

Timing		Category
Next service	○	**Apply at all sites**
	○	**Apply at affected sites as listed below**
	◉	**Optional to improve functionality of product**

Task Tracking

After completion of your task the following entry in your Service Report is required:	DD+DIS169.15E	*

* Insert the document number into the field "Comment" (SMS form).

Purpose of this document:

- This document contains information about updating to DMC Firmware V11R3b7.
- The new DMC firmware version improves the DX-D 100 driving behavior.

1   Introduction/purpose

The new DMC firmware version 11R3b7 improves the driving behavior of the
DX-D 100 / DX-D 100 Wireless mobile unit at maximum speed.

IMPORTANT:
- In case a DMC board with revision "H" is already installed:
  Update the firmware to V11R3b7. Refer to section 3.1.
- In case a DMC board with a revision lower than "H" and defective firmware is installed
  or
- in case a DMC board with a revision lower than "H" and defective firmware is already
  installed: Order one of two available DMC board kits. Refer to section 0

2   Prerequisites

SOFTWARE:
Download the "DMC firmware V11R3b7" software from the Agfa HealthCare Library:
Direct Radiography > DX-D 100 > DX-D 100 Generic

SPARE PART:
For DX-D 100 / 100 Wireless units **with installed DMC board revision "H",** order the
following spare part:

- **SC+A3539-01** upgrade digital motion control V11R3b7, containing the
  DMC firmware 11R3b7.

NOTE:
SC+A3539-01 is an adaptation of the current spare part.

For DX-D 100 / 100 Wireless units with installed DMC board **with a revision
lower than "H" and defective firmware,** order the following kit:

- **SC+A521079-03** Digital Motion Control V11R3b5, consisting of
  o   DMC board rev H with firmware V11R3b5 already loaded
  o   buzzer
  o   instructions
  o   tie wraps

IMPORTANT:
It is recommended to use this kit as it is and install the new DMC firmware version V11R3b7
on top. See sections 3.1 and 0 of this document.

For DX-D 100 / 100 Wireless units with installed DMC board **with revision "H" and defective firmware**, order the following kit:

- **SC+A521065-05** upgrade digital motion control V11R3b5 kit, consisting of
  - o cable
  - o CD with firmware V11R3b5, software and instruction

IMPORTANT:

It is recommended to use this kit as it is and install the new DMC firmware version V11R3b7 on top. See sections 3.1 and 0 of this document.

NOTE:

It is possible that spare part SC+A521065-05, which contains a DMC board with revision H and intact firmware, is in stock at some locations.

In this case it is possible to install this part. Additionally, it is necessary to upgrade the firmware version to V11R3b7.

(1) Replace faulty parts with a spare part SC+A3539-01.
(2) Upgrade the firmware. See section 3.1 of this document.

REFERENCED DOCUMENTS:

DX-D 100 - X-Ray Mobile - Troubleshooting, Document ID 41600560 (Agfa Intranet / Agfa Portal via Internet).

3 Instructions and verification

3.1 Upgrading the firmware with Digital Motion Control upgrade kit SC+A3539-01

IMPORTANT:

Upgrade of the firmware is necessary for DX-D 100 / 100 Wireless units **with installed DMC board revision "H".**

REQUIRED TIME:

60 minutes

(1) Upgrade the firmware version to V11R3b7 according to the description in:
DX-D 100 - X-Ray Mobile - Troubleshooting - Chapter 6.8.6 Updating the Microcontroller, Document ID 41600560 (Agfa Intranet / Agfa Portal via Internet).

3.2 Replacing a DMC board with Digital Motion Control kit SC+A521079-03

IMPORTANT:

Replacement of the DMC Board is necessary for DX-D 100 / 100 Wireless units **with installed DMC board with a revision lower than revision "H" and for** DX-D 100 / 100 Wireless units **with revision "H" and defective firmware.**

REQUIRED TIME:

60 minutes

(1) Replace the DMC board according to the description in
DX-D 100 - X-Ray Mobile - Troubleshooting - Chapter 6.8.7, Replacement of the Digital Motion Control Board, Document ID 41600560, Agfa Intranet /
Agfa Portal via Internet.

NOTE:

Additional information for replacing the DMC board:

- Fix the DMC board with four plastic screws.
- Isolate the board from the metallic mounting plate by four plastic spacers.

Figure 1

- After replacement it is necessary to protect the DMC board SAT-A3539-01 against possible damages, e.g. during voltage measurement at Test Point TP8. For that, is it necessary to apply a coating protection over the C16 capacitor before measuring the voltage. Use Loctite 7400 for coating.

- In case Loctite 7400 is not available, use a piece of electrical tape over the C16 capacitor. In case the tape is used it should be removed after adjusting the TP8 voltage.
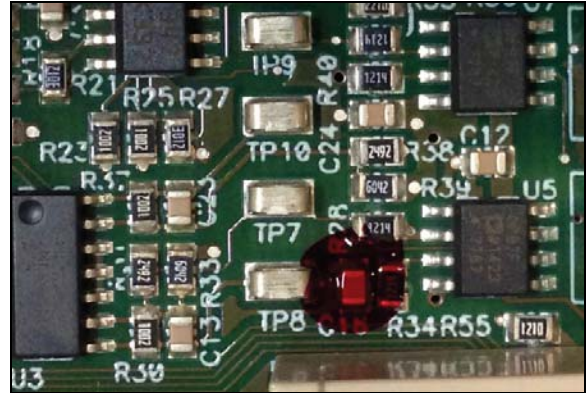

Figure 2

(2) Upgrade the firmware version to V11R3b7 according to the description in: DX-D 100 - X-Ray Mobile - Troubleshooting - Chapter 6.8.6 Updating the Microcontroller, Document ID 41600560 (📄 Agfa Intranet / 📄 Agfa Portal via Internet).

4   Keywords

DMC board, Firmware V11R3b7, revision "H"

5   Version history

Version	Change	Date
1.0	Initial version	11-2015