

Service Bulletin

Revised version: Announcement of DX-D 100 Version 5.0

Task

Timing		Category		Scope	
Next service as agreed with customer	<input type="radio"/>	Apply at all sites			PowerHelp complaint / HQ issue: HQ_1210240004
	<input type="radio"/>	Apply at affected sites as listed below			
	<input checked="" type="radio"/>	Optional to improve functionality of product			

Task Tracking

After completion of your task the following entry in your Service Report is required:

DD+DIS076.14E

*

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

Purpose of this document:

- This document announces version 5.0 of the DX-D 100 / DX-D 100 Wireless system.
- It lists the solutions and corrective action for the mentioned HQ case.
- It lists the components and spare parts which have been introduced with DX-D 100 Wireless system version 5.0.

The signatures on the approval page indicate the solutions described in this Service Bulletin have been reviewed and are NOT reportable because no actions are taken to reduce a "Risk to Health" according to our risk assessment process.

Affected serial number: Version 5.0 is delivered from serial number A5411000455 onwards.

1 Introduction/purpose

This document contains specific information about system version 5.0 of the DX-D 100 / DX-D 100 Wireless.



NOTE:

DX-D 100 Wireless version 5:

- New reinforced storage bin is implemented. The storage bin has been redesigned so that it is more robust now.
- New ergonomic storage extensions for Sani wipes, gloves and sanitizer bottle have also been implemented.

For details refer to section 1.1 of this document.

DX-D 100 version 5:

There have been no technical changes for DX-D 100.

The new reinforced storage bin is not implemented in the DX-D 100.

The new ergonomic storage extensions for Sani wipes, gloves and sanitizer bottle have been implemented as an option.

The version will also be increased to 5.0 so that DX-D 100 and DX-D 100 Wireless keep the same version number.

Symptom The back cover on the DX-D100 Wireless got broken several times.

HQ_
1210240004



Figure 1
Up to DX-D 100 Wireless version 4.X



Figure 2
As of DX-D 100 Wireless version 5

Cause Due to the design, the back cover of the storage bin was easily damaged.

Solution A new reinforced storage bin for the detectors has been developed.
The improved design of the storage bin prevents damage to the back cover of the detector holder.



NOTE:

In case a customer asks for the new storage bin or in case of a damaged back cover it is possible to upgrade previous DX-D 100 Wireless versions with the new storage bin.
Refer to section 3 of this document.

1.1 New components



HARDWARE:

- **DX-D 100 Wireless only** - Reinforced storage bin that is able to include:
 - DX-D 30C Wireless detector, 46 x 38.4 x 1.5 cm ①
 - DX-D 30 handle frame ①
 - DX-D 35C Wireless detector, 30.7 x 38.4 x 1.5 cm ②
This part is removable so in case of a unit where no DX-D 35C will be used this part can be taken out to have more storage space,
 - Two detector batteries, 12.7 x 16.1 x 0.7 cm ③
 - Box for roll of protective bags for the detector ④
 - A facility (belongs to ①) that makes it possible to put a protective plastic bag over the detector and then pull it out of the holder.
Benefit: the operator has both hands free to put the bag over the detector that is placed in the “bagging” slot.
 - Patient documents ⑤
- DX-D 100 and DX-D 100 Wireless optional components
 - Storage bin for hand sanitizer ⑥, to be placed at the vertical column
 - Storage bin for Sani wipes ⑦, to be placed at the vertical column
 - Storage bin for gloves, to be placed at the vertical column

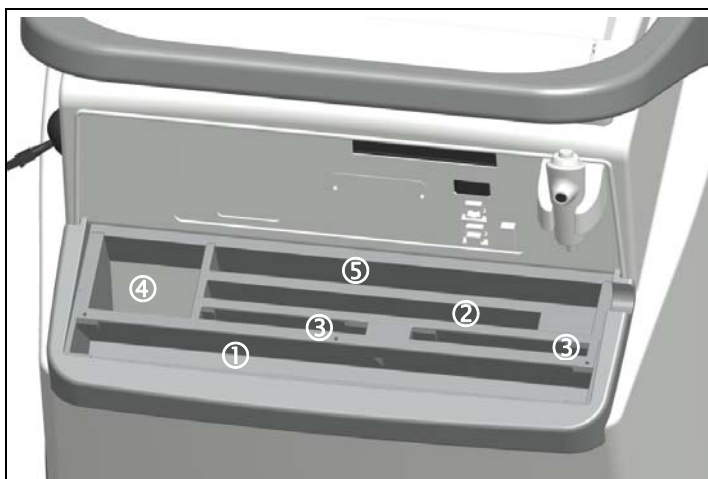


Figure 3



Figure 4

2 Prerequisites

**NOTE:**

The boxes for Sani wipes, gloves, hand sanitizer are optional components which need to be ordered separately.

They will not be delivered together with the DX-D 100 / DX-D 100 Wireless.

They can also be ordered for other DX-D solutions. They are solution-independent.

**NOTE:**

The **spare parts** are only applicable for systems with a serial number higher than A5411000455 or for upgraded systems!

**SPARE PARTS:**

DX-D 100 Wireless only:

- DETECTOR BOX DX-D100 D30-D35, SC+A520342-01
 - Reinforced storage bin
 - Back cover
 - Inner parts detector box

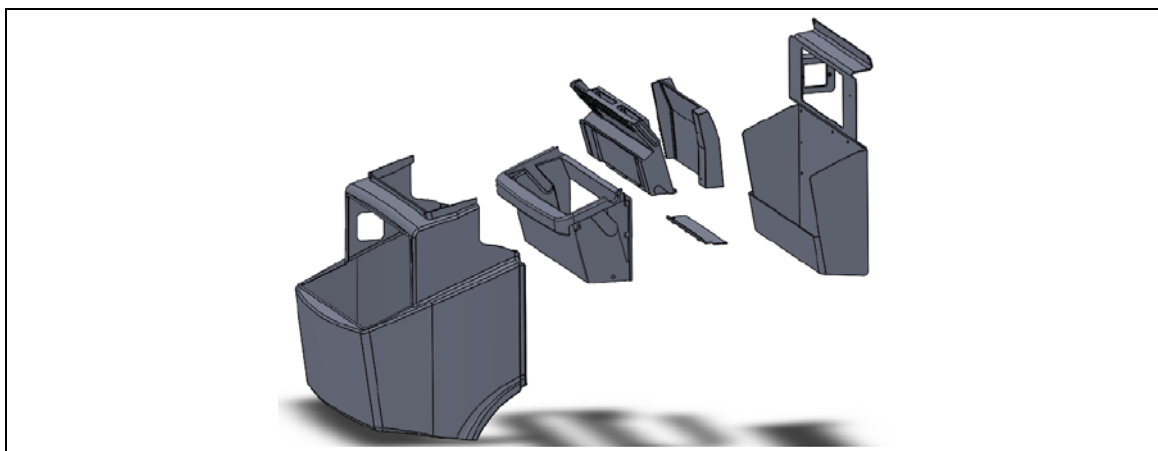


Figure 5

- INNER PARTS DETECTOR BOX, SC+A521103-01
 - only inner parts of the box



Figure 6

UPGRADE KIT:

- STORAGE BIN DX D100 UPGRADE KIT, SC+A12229-01

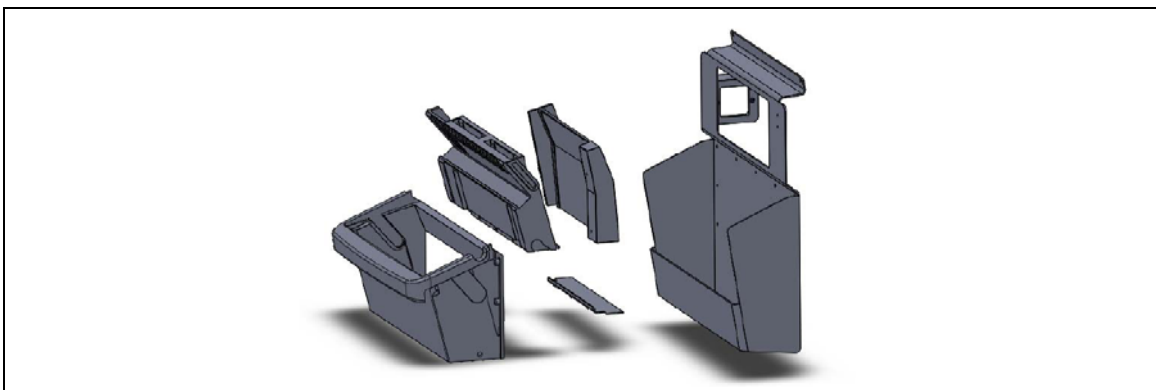


Figure 7

- Optional components for DX-D 100 / DX-D 100 Wireless:
 - Storage bin for Sani wipes: 51O7U
 - Storage bin for hand sanitizer: 51O8W
 - Storage bin for gloves: 51O9Y

**TOOLS:**

- Standard service tool kit

**REFERENCED DOCUMENTS:**

- DX-D 100 / DX-D 100 Wireless - Mobile X-Ray Unit Service Manual
Direct Radiography > DX-D 100 > DX-D 100 Generic > Service Manual

3 Instructions



REQUIRED TIME:
Approximately 45 minutes.

3.1 Replacing the storage bin at the DX-D 100 Wireless

3.1.1 Dismounting the front cover of the mobile X-ray unit

- (1) Unfasten the front cover of the mobile unit.
This is necessary for being able to loosen the back covers next.
- (2) Lift the front cover slightly to be able to remove the back covers.

For detailed instructions for steps (1) and (2) refer to the *Troubleshooting* section of the *DX-D 100 / DX-D 100 Wireless - Mobile X-Ray Unit Service Manual*.
See section 2, *Referenced Documents* in the present document.

3.1.2 Dismounting the current detector holder unit

- (1) Dismount the metal holder unit ① from the back cover ② by loosening the screws that fix the metal holder to the back cover.
See numbered figure on the right; screws are pointed out by the circle marks.



Figure 8

- (2) Dismount the switch holder from the metal holder unit.



Figure 9

3.2 Preparation of the battery holders / detector bagging inserts



NOTE:

There are two different battery holders / bagging inserts:

- Section 3.2.1 only applies for DX-D 100 Wireless installations that use only the DX-D 30 storage bin.
- Section 3.2.2 only applies for DX-D 100 Wireless installations that use the DX-D 30 / DX-D 35 storage bin.

3.2.1 Preparation of the battery holder / detector bagging insert for the DX-D 30 storage bin

- (1) Mount the tray plate on the battery holder / detector bagging insert.

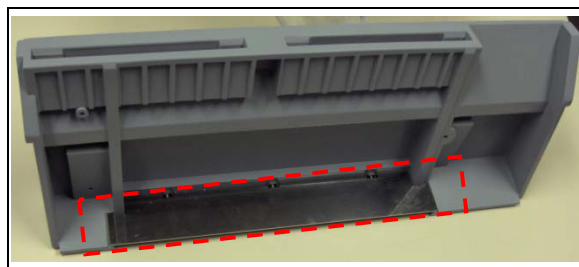


Figure 10

- (2) Fix the tray plate with these 3 screws.

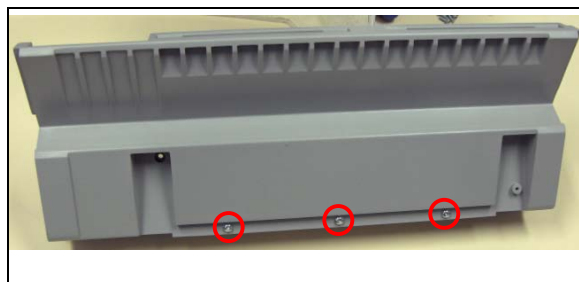


Figure 11

3.2.2 Preparation of the battery holder / detector bagging insert for the DX-D 30 / DX-D 35 storage bin

- (1) Mount the DX-D 35 holder on the battery holder / detector bagging insert.

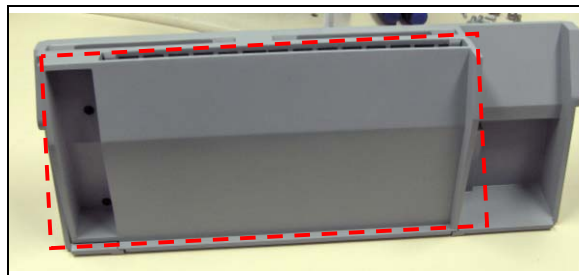


Figure 12

- (2) Fix the DX-D 35 holder on the battery holder / detector bagging insert with 3 Philips screws:



Figure 13

3.2.3 Assemble new storage bin and back cover

- (1) Position the new storage bin ① in the back cover.

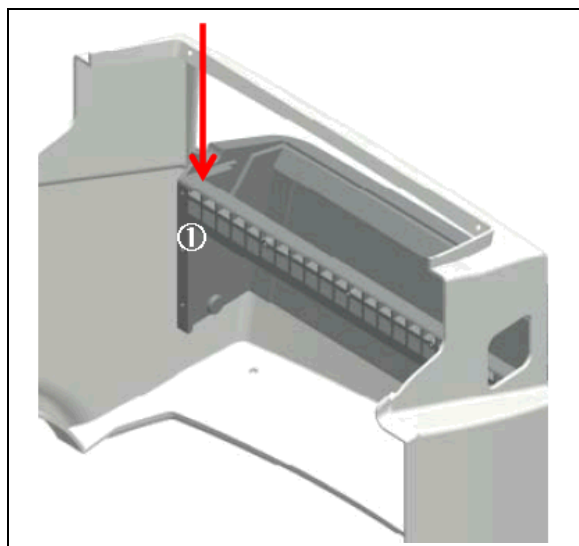


Figure 14

- (2) Fasten the new storage bin to the new metal plate ② using 9 Torx screws.



Figure 15

- (3) Fix the unit formed by the storage bin and the metal plate ② to the back cover ①.



Figure 16

- (4) Fix the switch holder on the new metal holder unit again.



Figure 17

- (5) Mount the back cover.
(6) Fasten the front cover.

For detailed instructions for steps (5) and (6) refer to the *Troubleshooting* section of the *DX-D 100 / DX-D 100 Wireless - Mobile X-Ray Unit Service Manual*. See section 2, *Referenced Documents* in the present document.



4 Verification

Not applicable

5 Keywords

Storage bin, detector holder, plastic cover, metal plate

6 Version history

Version	Change	Date
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