

Service Bulletin

Release of DX-D 100 / 100 Wireless System Version 4.2

Task		
Timing	Category	Scope
Next service as agreed with customer	<input type="radio"/> Apply at all sites	PowerHelp complaint / HQ issue: HQ_1207250001; PR1304220001; HQ_1110240001; HQ_1205160001; FER120727002; FER130109001
	<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+DIS118.13E

*

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

Purpose of this document:

- This document announces the release of DX-D 100 / 100 Wireless system version 4.2.
- It lists the solutions and corrective action for the mentioned HQ, PR and FER cases.
- It lists the spare parts which have been introduced with DX-D 100 / 100 Wireless system version 4.2.

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.

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Release date: 09-2013 DX-D 100 - SB No. 29; DX-D 100 Wireless - SB No. 26

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Page 1 of 10

1 Introduction/purpose

**NOTE:**

This new system version of DX-D 100 / 100 Wireless doesn't include any functional improvements. It introduces new spare parts and additionally improves serviceability of the product.

New spare parts:

- Hand switch new 6-meter cable
- Front/lateral bumpers
- Service kit (cable reel USA, for standard equipment in white)
- Front wheel kit.

The following issues have been solved with this DX-D 100 / 100 Wireless version:

Symptom
HQ
1207250001

The cord reel cannot be mounted in the DX-D 100 / 100 Wireless without cutting off the plug.

PR
1304220001

Cause

Design of metal plate did not allow passing the plug though the provided opening.

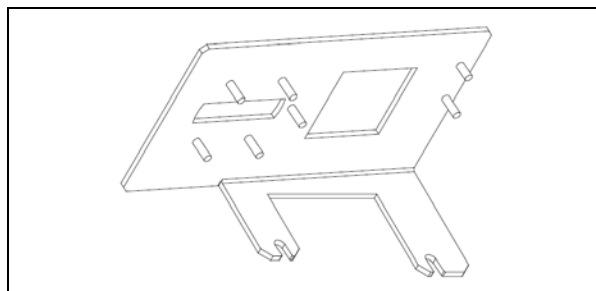


Figure 1

Solution

Design change of the metal plate (a slit open to one side instead of a hole) to allow installation of the cord reel without the need to cut off the plug.

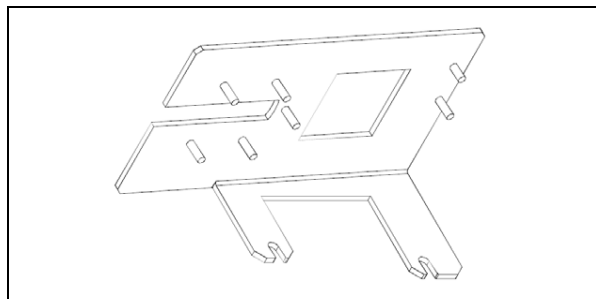


Figure 2

For a detailed instruction for replacing the metal plate refer to section 3.1 of this document.

Symptom No test available for verifying if the displayed DAP meter values are accurate.

HQ_
1110240001

Cause ATP procedure does not contain a DAP meter test.

Solution Update of the ATP procedure.
See section 2 Referenced Documents.

Symptom Issue with the cabling of the exposure button at several units. As result the collimator light was turning itself on and off.

HQ_
1205160001

Cause The hand switch cable is not flexible enough.

Solution The new cable for the hand switch is more flexible and has an internal spring which improves recovering the cable length after extending the cable.



Figure 3

Symptom Front wheels of the mobile unit collect excessive fuzz and dust.

FER
130109001

Cause Insufficient front wheel design.

Solution The redesigned front wheel has been equipped with an anti-dust part (see black area indicated by dashed marking).



Figure 4

See detailed instructions in section 3.2 of this document.

Symptom Request for material improvement of the front-lateral bumpers in the DX-D 100 / 100 Wireless.

FER
120727002

Cause Original material not elastic enough.

Solution Front-lateral bumpers with more suitable material.

See detailed instructions in section 3.3 of this document.

2 Prerequisites



SPARE PARTS:

The listed spare parts can be ordered via the respective spare part numbers provided with the spare part name.

- Improved Hand switch including hand switch support
SC+A6805-08
- Front lateral bumper kit
SC+A520206-01
- Service kit (cable reel USA, for standard equipment in white)
SC+A521068-01
- Front Wheel Kit
SC+A8034-01 (contains wheel, bearing kit and a metal plate with a shaft for mounting on the DX-D 100 / 100 Wireless).



TOOLS:

- Standard service tool kit



REFERENCED DOCUMENTS:

- DX-D 100 System Service Manual
The document can be downloaded from the Agfa HealthCare Library:
Direct Radiography → DR Equipment → DX-D 100 → Service Manual
- DX-D 100 Wireless System Service Manual
The document can be downloaded from the Agfa HealthCare Library:
Direct Radiography → DR Equipment → DX-D 100 Wireless → Service Manual
- DX-D 100 Acceptance Test
The document can be downloaded from the Agfa HealthCare Library:
Direct Radiography → DR Equipment → DX-D 100 → Service Manual
DX-D 100 Wireless Acceptance Test
The document can be downloaded from the Agfa HealthCare Library:
Direct Radiography → DR Equipment → DX-D 100 Wireless → Service Manual
- Sedecal Service Manual, chapter 'Troubleshooting'
The document can be downloaded from the Agfa HealthCare Library:
Direct Radiography → DR Equipment → DX-D 100 → Service Manual

3 Instructions

3.1 Replacing the metal plate (HQ_1207250001 and PR1304220001)

**NOTE:**

The instructions apply only for mobile units with USA type plugs.

**REQUIRED TIME:**

Approx. 1 hour.

**SPARE PART:**

- Cable reel kit USA (Spare Part Number SC+A521068-01, consisting of the following elements:
 - Metal Plate
18651-01
 - Cable Reel
51231003
- (1) Turn OFF the unit and disconnect the power line cable from mains.
 - (2) Disassemble the cover. Refer to the section about 'Cover Removal' in the 'Troubleshooting' chapter of the Sedecal Service Manual (section 2, 'Referenced Documents' of this document).
 - (3) Remove the back and front covers.
 - (4) Remove the screws that fix the tray containing the power line cable assembly and the line circuit breaker to both sides of the chassis: two screws in the right-hand side and two screws in the left-hand side (see circle marks in figure 5).

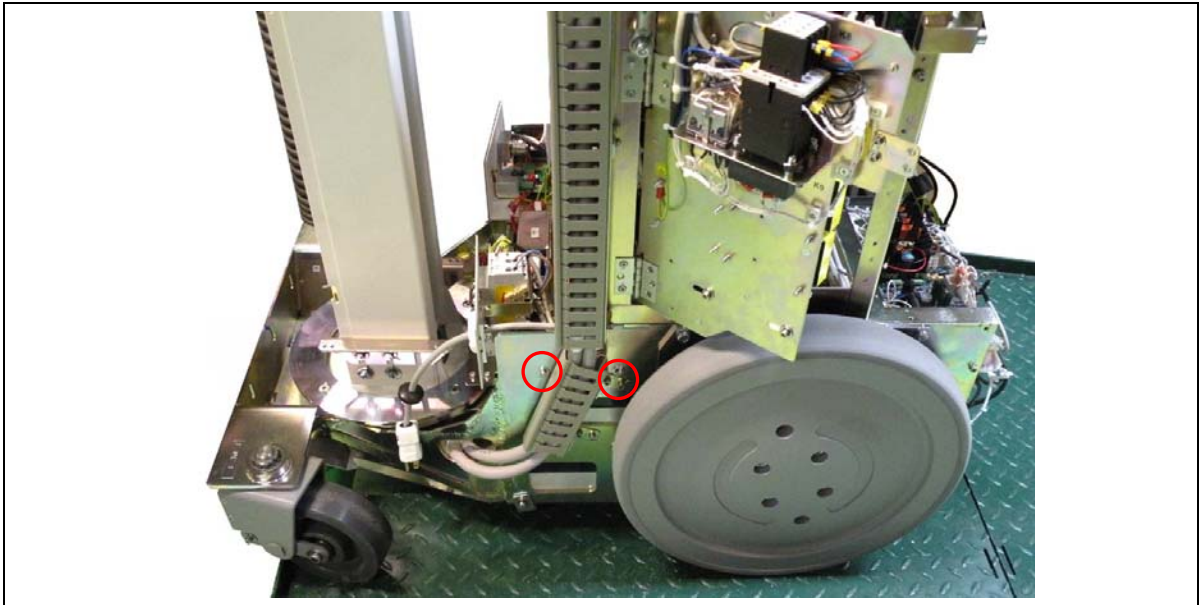


Figure 5

- (5) Slide the tray that contains the power line cable assembly and the line circuit breaker block, as shown in figures 6 and 7.



Figure 6

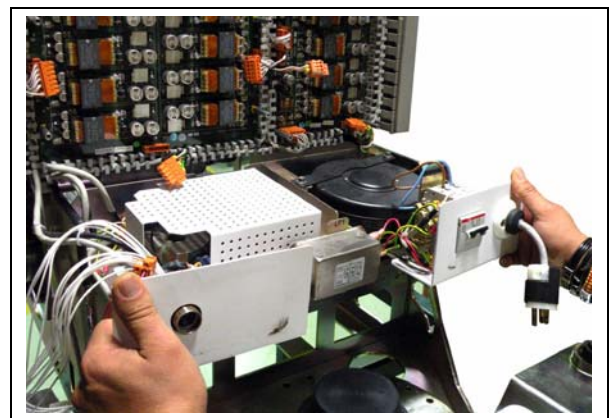


Figure 7

- (6) Remove the 2 fixing screws at both sides of the line circuit breaker block and remove the metal plate. See circle marks in figure 8.

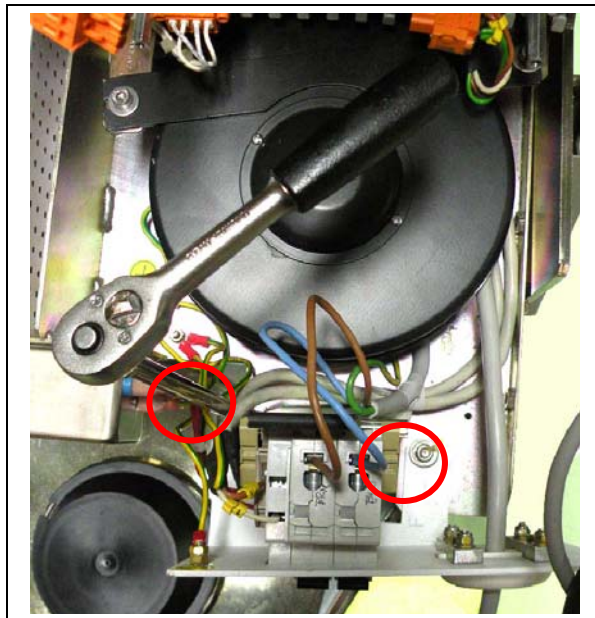


Figure 8

- (7) Remove the fixing screws of the cable reel (see dotted circle marks in figure 9) and disconnect the wires: the GND wire and the wires coming from the reel to the line circuit breaker.

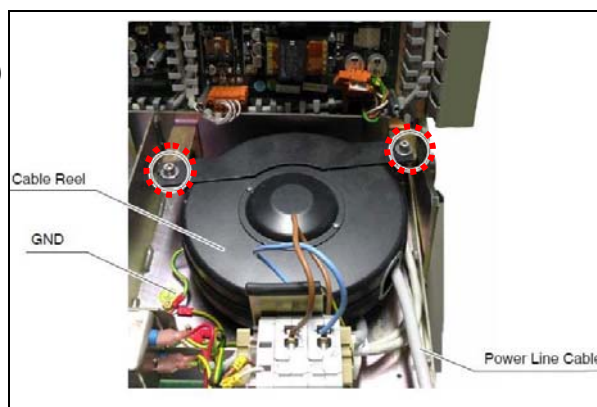


Figure 9

- (8) Dismount the cable gland from the plate. See figure 10.

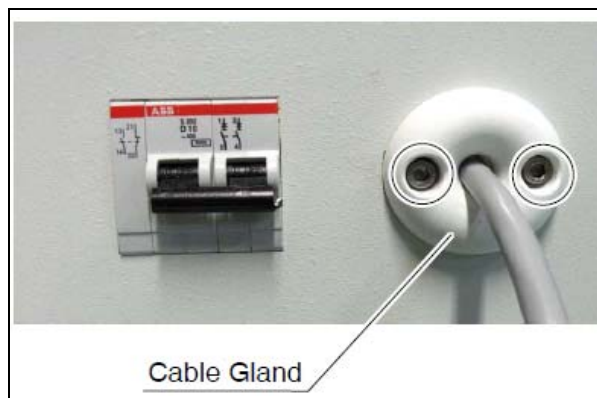


Figure 10

- (9) Dismount the four nuts of the two fixing plates in order to mount them on the new metal plate. See figure 11.



Figure 11

Mount the new metal plate and follow the previous steps in reverse order until mounting all the unit covers back in place.

3.2 Replacing Front Wheels (FER130109001)



REQUIRED TIME:
Approx. 30 minutes



SPARE PARTS:
Front Wheel Kit
SC+A8034-01

- (1) Follow the instructions for replacing the front wheel as described in the 'Troubleshooting' chapter of the DX-D 100 - X-Ray Mobile – Service Manual. See section 2 'Referenced Documents'.

3.3 Replacing Mobile Front-Lateral Bumpers (FER120727002)

**REQUIRED TIME:**

Approx. 1 hour

**SPARE PART:**

- Front Bumper Kit

The spare part can be ordered via the spare part number:
SC+A520206-01

The spare part introduced with DX-D 100 / 100 Wireless contains both bumpers.
The old spare parts for left/ right bumper are deleted from the spare parts list.

- (1) Replace the Mobile Front-Lateral Bumpers

**NOTE:**

The new bumpers need to be attached with updated screws.
These are part of the new Front Bumper Kit.

4 Verification

N. a.

5 Keywords

Hand switch; front wheel; bumper; exposure button; line circuit breaker.

6 Version History

Version	Change	Date
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