

Service Information Bulletin

This Bulletin is for information only.

Additional Filter must be added in case a Non EMC Inverter Battery Charger is replaced by a EMC Inverter Battery Charger

Task

Timing		Category	
Next service	<input type="radio"/>	Apply at all sites	
	<input checked="" type="radio"/>	Apply at affected sites as listed below	
	<input type="radio"/>	Optional to improve functionality of product	

Task Tracking

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

75629810

*

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

Purpose of this document:

This document contains all necessary information about the compatibilities and required possible adaptations in case a Inverter Battery Charger (Non EMC) needs to be replaced.

Affected systems:

All systems where the Inverter Battery Charger 1 and 2 (Non EMC) needs to be replaced.

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1 Introduction/purpose

To comply with the Electromagnetic Capability (EMC) directive, the following INVERTER BATTERY CHARGER have been adapted:

- SC+A3533-04 INVERTER BATTERY CHARGER 1 (non EMC)
- SC+A3534-04 INVERTER BATTERY CHARGER 2 (non EMC)

The INVERTER BATTERY CHARGER 1 and 2 (**EMC**) is not compatible to INVERTER BATTERY CHARGER 1 and 2 (**NON EMC**).

In case a Non EMC INVERTER BATTERY CHARGER is replaced by a EMC INVERTER BATTERY CHARGER an Additional Filter must be added.

This filter is content of the spare part:

- SC+A3533-16
INVERTER BATTERY CHARGER 1
(EMC) with additional Filter



Figure 1

- SC+A3534-16
INVERTER BATTERY CHARGER 2
(EMC) with additional Filter

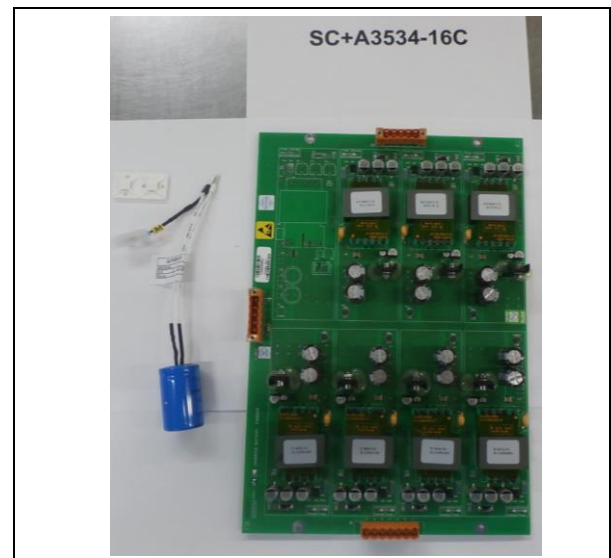


Figure 2

- (1) Replace the INVERTER BATTERY CHARGER 1 and 2.
For details about the replacement refer to section 3.

2 Prerequisites



SPARE PARTS:

- INVERTER BATTERY CHARGER 1 (EMC) SC+A3533-16
- INVERTER BATTERY CHARGER 2 (EMC) SC+A3534-16



IMPORTANT:

No mixture of different Inverter Charger Boards, both Inverter Charger Board (1 and 2) must have the same part number:

It's not possible to install a A3533-04 together with a A3534-16
or A3533-16 together with a A3534-04

This is also valid for the compatible EMC Inverter Charger Board with Index xxxx-06:

It's not possible to install a A3533-06 together with a A3534-16
or A3533-16 together with a A3534-06



REFERENCED DOCUMENTS:

- DX-D 100 / DX-D 100 WL-Mobile X-Ray Unit - Service Manual, Document ID [41600560](#)
- DX-D 100 / DX-D 100 WL-Mobile X-Ray Unit – Spare Parts List, Document ID [30872155](#)



IMPORTANT:

The installation and service of the product(s) described herein is to be performed by qualified personnel who are employed by Agfa NV or one of its affiliates or who are otherwise authorized by Agfa NV or one of its affiliates to provide such services.



IMPORTANT:

Strictly observe all safety directions within the "Generic Safety Directions", Document ID [11849633](#).

3 Instructions

**REQUIRED TIME:**

- 60 minutes for replacing the Inverter Battery Charger Board
- 30 minutes for installing the additional filter (capacitor)

3.1 Replacement of the Inverter Battery Charger

- (1) Switch the equipment OFF.
- (2) Disconnect the Power Line Cable from mains.
- (3) Replace the INVERTER BATTERY CHARGER.
Refer to DX-D 100 / DX-D 100 Wireless - Mobile X-Ray Unit - Service Manual, Document ID: [41600560](#), Chapter Troubleshooting, Section 2.8.7

3.2 Installation of the additional Filter (refer to overview in section 1)

Mains Connection Delay Assembly
(delivered with the INVERTER BATTERY CHARGER):

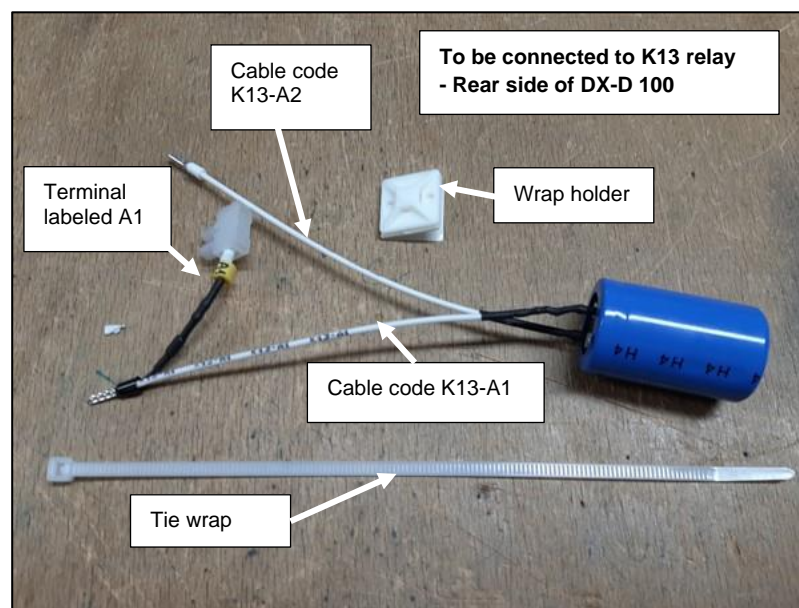


Figure 3

- (4) Disconnect the cable that is connected on the K13-A1 of the K13 relay socket.

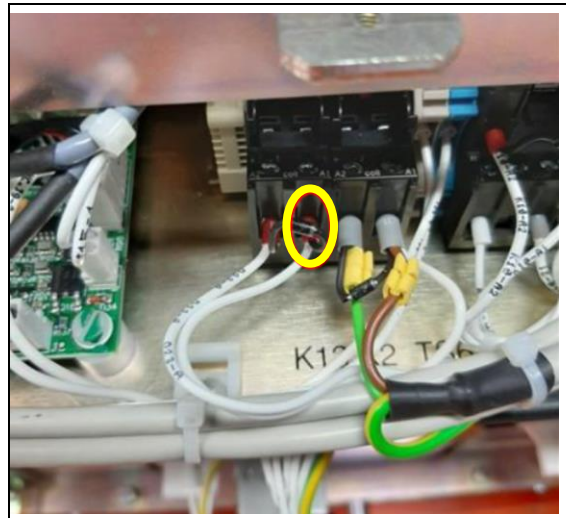


Figure 4

- (5) Connect the cable (code K13-A1).

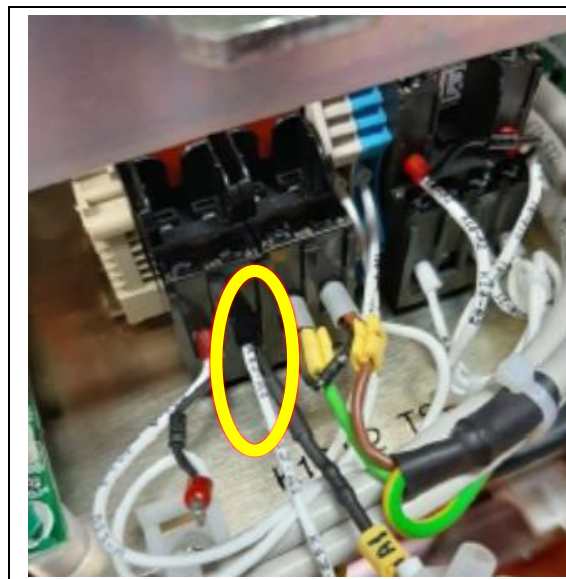


Figure 5

- (6) Connect the cable that was originally connected on the K13-A1 on the terminal (labeled A1).

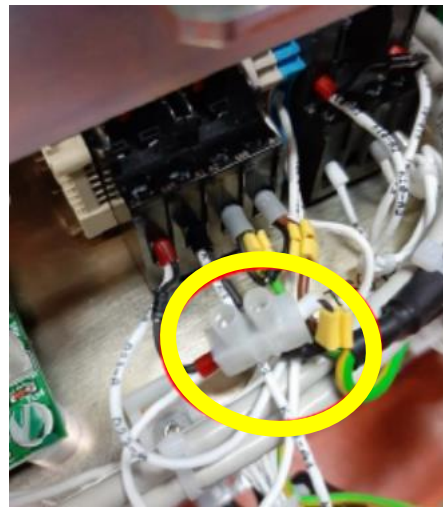


Figure 6

- (7) Add in the K13 relay socket the cable (code K13-A2).
The cable that is originally in the K13-A2 needs to remain in the K13-A2 terminal.

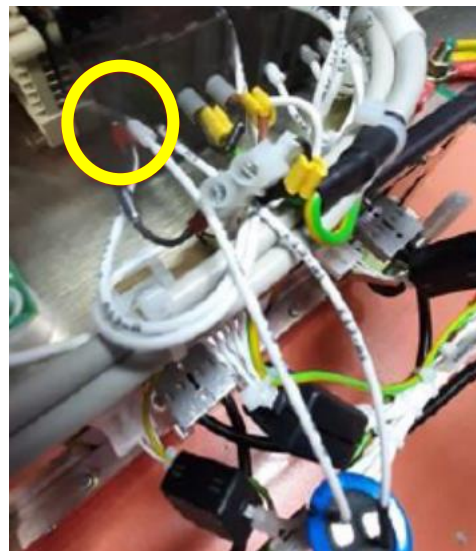


Figure 7

- (8) Install the tie wrap holder as show in figure 6.
- (9) Route the cables and make sure that they are not damaged during the movement of the mobile unit.
- (10) Install the capacitor using the tie wrap on the tie wrap holder.

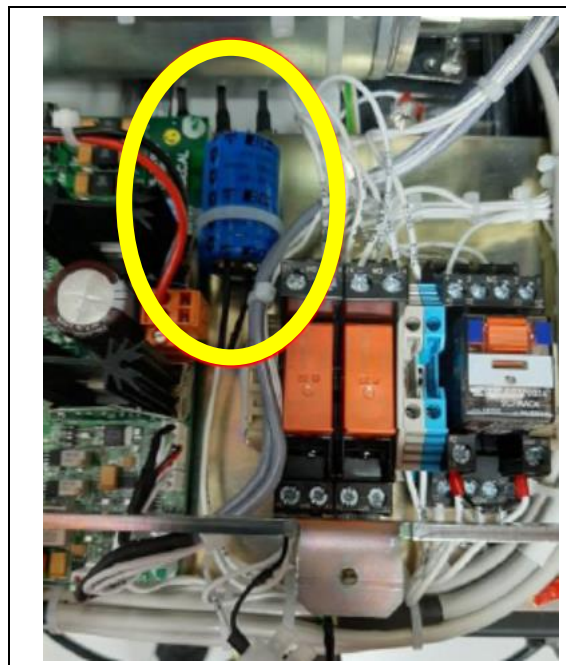


Figure 8

- (11) Install the cover of the mobile unit.

4 Verification

- (1) Perform a functional check of the mobile unit.

5 Keywords

Charger boards, EMC,

6 Version history

Version	Change	Date
1.0	Initial version	01-2021