

Service Information Bulletin

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New Version of Inverter Battery Charger PCBs

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:

DD+DIS089.12E

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

Purpose of this document:

This document informs about the correct replacement routine for inverter battery charger PCB's.

Affected parts:

Old inverter battery chargers A3533-02 and A3534-02.

New inverter battery chargers A3533-04, Revision D and A3534-04, Revision D

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1 Introduction/Purpose

The battery pack of the X-Ray generator is supplied by 2 inverter battery charger PCB's (although not identical, they provide the same charger current to the battery pack).

Symptom If only one inverter battery charger PCB has to be replaced, this will lead to faulty behavior if a new PCB version (revision 4) and an old PCB version (revision 2) are present.
This is due to unequal charger current ratings in the old and new versions.

Cause The charger current has been increased from 1.34 A to 1.62 A.
For this reason, old and new versions are incompatible and must not be mixed.

Solution Make sure that the two installed inverter battery charger PCBs have the same version number.
Exchange **both** inverter battery charger PCBs even if only **one** is defective to ensure consistency in charger current.

2 Prerequisites

Check version numbers of the part.

In case an older inverter battery charger PCB needs to be replaced by a new one, always order two new ones to avoid inconsistency.



SPARE PARTS:

- SC+ A3533-04
- SC+ A3534-04

Old spare part version of the inverter battery charger PCB:

- SC+ A3533-02
- SC+ A3534-02

3 Instructions

**NOTE:**

A small number of old inverter battery chargers (A3533-02, A3534-02) are still in stock. These will be delivered to the Field Service Engineers until the stock is finished. So it is very important to check if the spare part numbers match as described below.

- A3533-02 inverter battery charger 1 has to be replaced by A3533-04 Revision D
- A3534-02 inverter battery charger 2 has to be replaced by A3534-04 Revision D

**NOTE:**

The introduction of these new inverter charger PCBs has nothing to do with the current battery discharge issue.

Inverter battery charger PCB replacement is only necessary in case of defects.

4 Verification

After replacement of any inverter battery charger, the inverter battery charger PCBs 1 and 2 must have identical revision numbers.

5 Keywords

PCB; inverter battery charger

6 Version history

Version	Change	Date
1.0	Initial version	06-2012