

Service Bulletin

Introduction of improved cable hose and new cable fixation

Task			
Timing		Category	Scope
Next service as agreed with customer	<input type="radio"/>	Apply at all sites	PowerHelp complaint / HQ issue: HQ_1301080014
	<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+DIS145.14E

*

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

Purpose of this document:

- This document announces the introduction of an improved cable hose and a new cable fixation.
- The components are introduced in production and an upgrade kit is available.
- This bulletin contains the ordering and installation instructions for the components of the upgrade kit.

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.

1 Introduction/purpose

1.1 Cable hose gets damaged (HQ_1301080014)

Symptom Cable hose gets damaged.

Cause Wear and tear of the cable hose material.

Solution The current material made of PVC with cotton (SKAI) is replaced by a new material made of polyester covered by PVC (1100DTEX).
The new material increases the resistance of the cable hose against wear and tear and increases its life expectancy.
The improved cable hose will be introduced in production and is part of an upgrade kit.

1.2 Cable hose fixation to avoid wear due to friction

Symptom Cable hose gets damaged.

Cause The longitudinal movements of the cable hose causes wear and tear due to friction.

Solution Installation of a guiding bracket for locking the longitudinal movement of the cable hose instead of the current bushing.
The fixation will be introduced in production and is part of an upgrade kit.

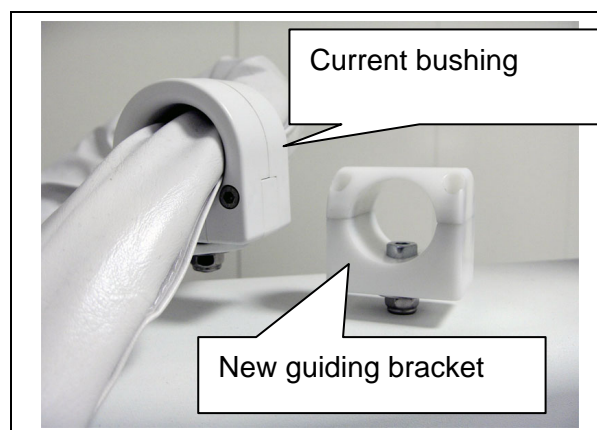


Figure 1

2 Prerequisites



SPARE PARTS:

UPGRADE CABLE HOSE

SC+A521104-01

The upgrade kit contains:

- Cable hose
- Guiding bracket, consists of two parts: 23520-01 and 23521-01



TOOLS:

- Standard service tool kit

3 Instructions



REQUIRED TIME:

75 minutes

Removal of installed bushing:

- (1) Uninstall the bushing:
 - Remove the two screws (A).
 - Remove the screw (B) at the mounting plate.

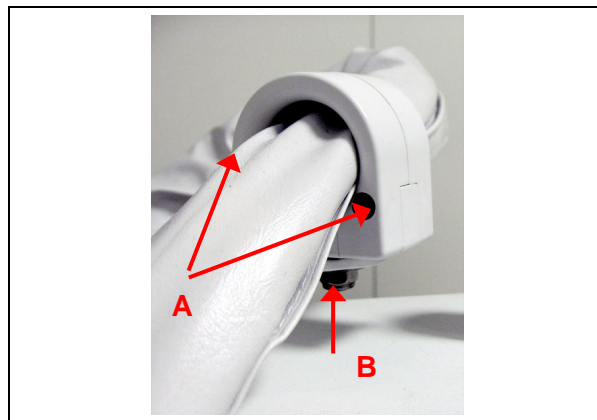


Figure 2

Replacement of cable hose:

- (2) Open the hose clamp (see arrow). It is fixed with two screws.
- (3) Open the hook and loop tape and remove the installed cable hose.

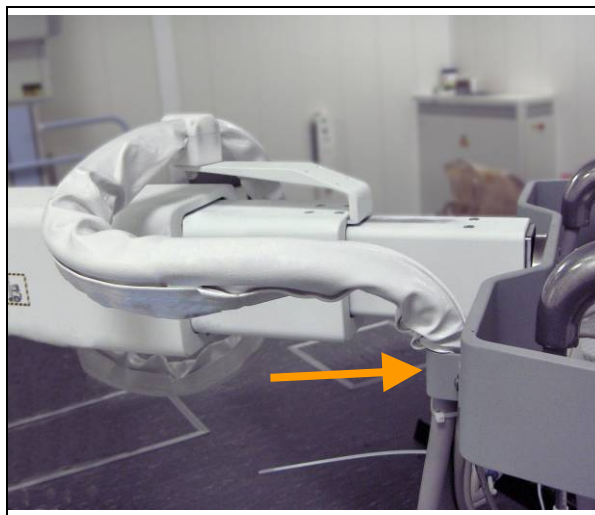


Figure 3

- (4) Cover the cables with the new cable hose.
- (5) Fix the hose clamp (see Figure 3) with the two screws.

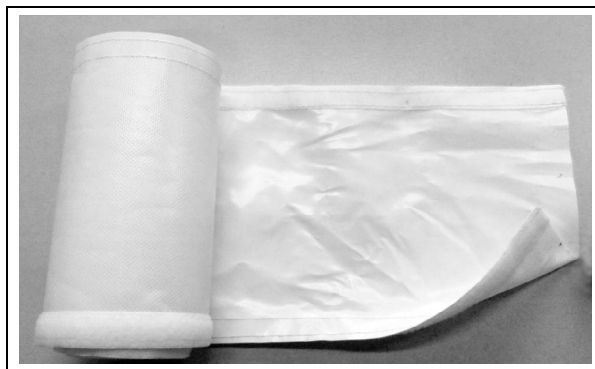


Figure 4: new cable hose material

Installation of guiding bracket:

- (6) Mount the lower part of the new guiding bracket on the mounting plate.
- (7) Insert the cables with the new cable hose.

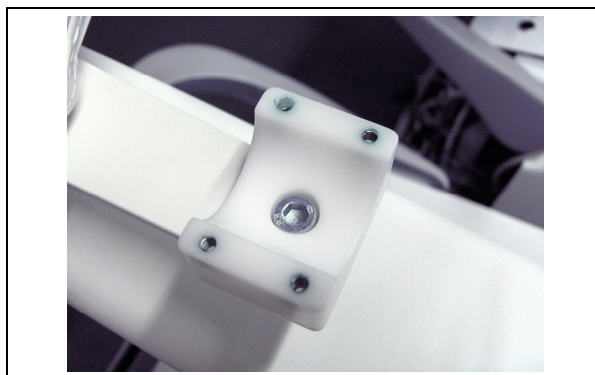


Figure 5

**IMPORTANT:**

If the cable is not locked in the proper place, the user will not be able to reach all the required positions.

Install the cable with the defined distance as shown in Figure 6.

- (8) Make sure that the cable length is 600 mm (23.62 inches) between the center of the upper part of the guiding bracket and the end of the hose clamp.
- (9) Fix the upper part of the guiding bracket with the four screws (C).

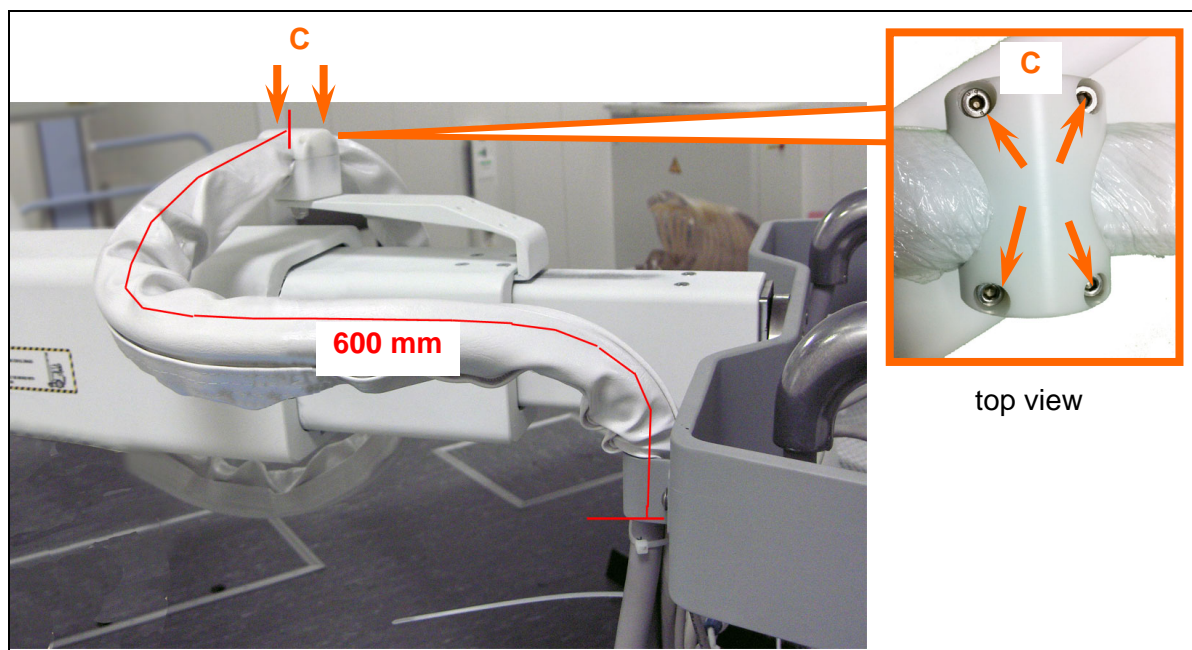


Figure 6



4 Verification

Test if all end positions of the X-ray tube can be reached easily without forcing the cables.

5 Keywords

Fissures, abrasion, cable protection

6 Version history

Version	Change	Date
1.0	Initial version	11-2014



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This document was approved by:

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1. Josef Wagner (agwj) on 2014-11-07 03:41 PM CET
2. Paul Merckx (amdag) on 2014-11-14 11:11 AM CET
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