



REPLACING DETECTOR CHARGER CABLE

1100-810-056
1.1

Status: Released

Date (approved from):
2019-01-24

Replaces	Created date: 2019-01-24	Signature ESÄ	Clarification of signature Erik Säll
Copy to:	Reviewed date: 2019-01-24	Signature JPN	Clarification of signature Jonas Petersson

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DOCUMENT HISTORY

Ver.	Date	Change	Sign
0.1	2019-01-09	Created	ESÄ
1.1	2019-01-24	Released	JPN

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1 INSTRUCTION FOR REPLACEMENT

1.1 General

This instruction describes how to replace detector charger cable for wireless Canon detector:



1.2 Protective measures

CAUTION!

Printed circuit boards contain electrostatic highly sensitive components requiring particular care in their handling. Ground before making contact and place only on a conductive surface.

CAUTION!

Remaining energy may exist when the equipment is switched off. Always wait at least 15 seconds before working on the system

1.3 Tools and documents required

- Standard service tools
- Cable ties
- Spare part instruction 1100-810-056 (this document)

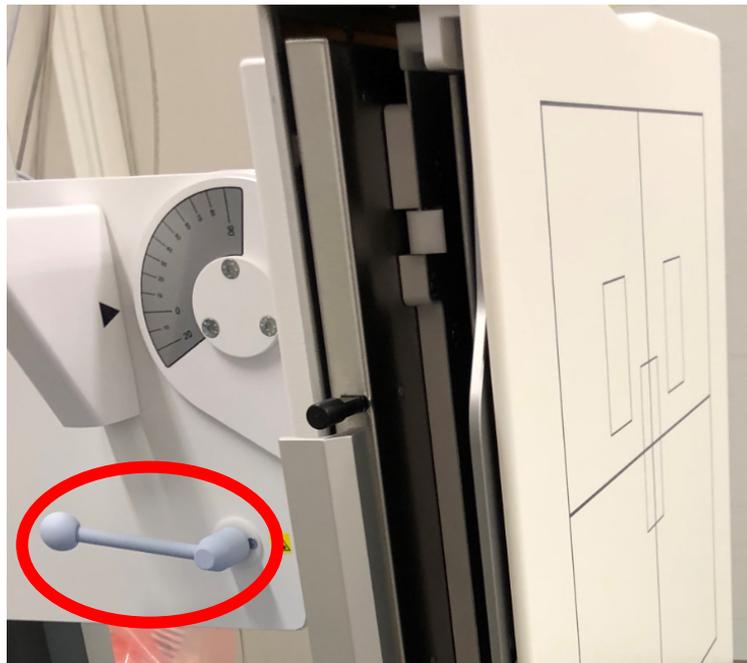
NOTE! There are multiple bucky types available to suit different detectors. Pay close attention and compare the document with your bucky type – you may find that some parts and/or workflow differ.

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1.4 Work instructions for Wallstand

1.4.1 Lock the tilt.

If the Wallstand is equipped with a tiltable bucky solution, ensure the tilt is locked by turning the lever shown below:



1.4.2 Let the bucky rest on a stable surface:



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1.4.3 Remove the 8 screws to release the bucky (pointed out in below pictures).

NOTE!

When bucky is removed the Wallstand becomes highly unbalanced.

(Counterweight inside then becomes heavier than bucky wagon)

Depending on brake adjustment, the bucky wagon might begin to move upwards.

Do not press the brake release button – the bucky wagon will move in an uncontrolled manner, very fast upwards and could cause injury!



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1.4.4 Slide the Bucky away from its attachment plate.

Detector charger cable is now visible and you can see where it enters bucky wagon:



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1.4.5 Turn the system OFF from the button on the generator console:



1.4.6 Remove the cover on top of bucky wagon and release the cover next to it:



1.4.7 Remove the cover between bucky attachment plate and bucky wagon:



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1.4.8 Remove the cover on the back of Wallstand by releasing the 4 allen screws - 2 on each side. Note that there is a ground cable connected to a pin inside the cover (requires no tool to disconnect) :

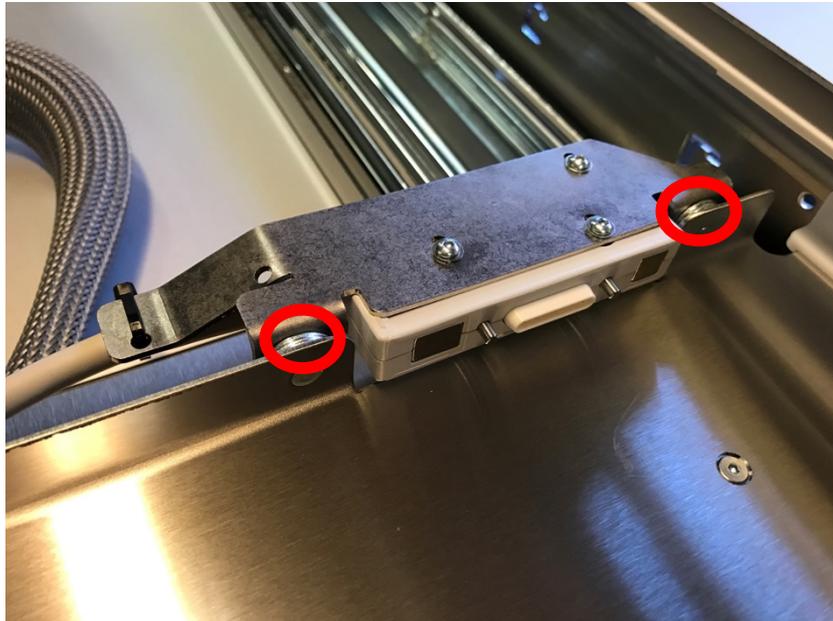


1.4.9 It is now possible to follow the cable routing all the way from Bucky to Canon powerbox. Disconnect it in Canon powerbox end and pull it out towards the bucky, using a separate wire or cable attached to the charger cable.

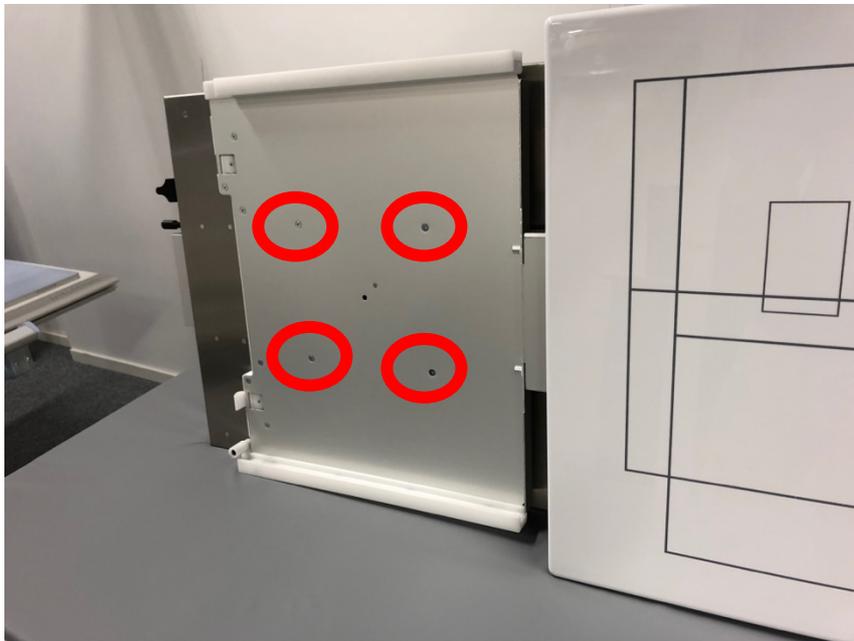
NOTE! The connector must be protected in an appropriate way prior to pulling it out through sleeves and hoses.

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1.4.10 After having pulled the cable all the way out to the bucky, slide the tray out and release it in this end too. But, before you remove the two screws, check how many washers are fitted:

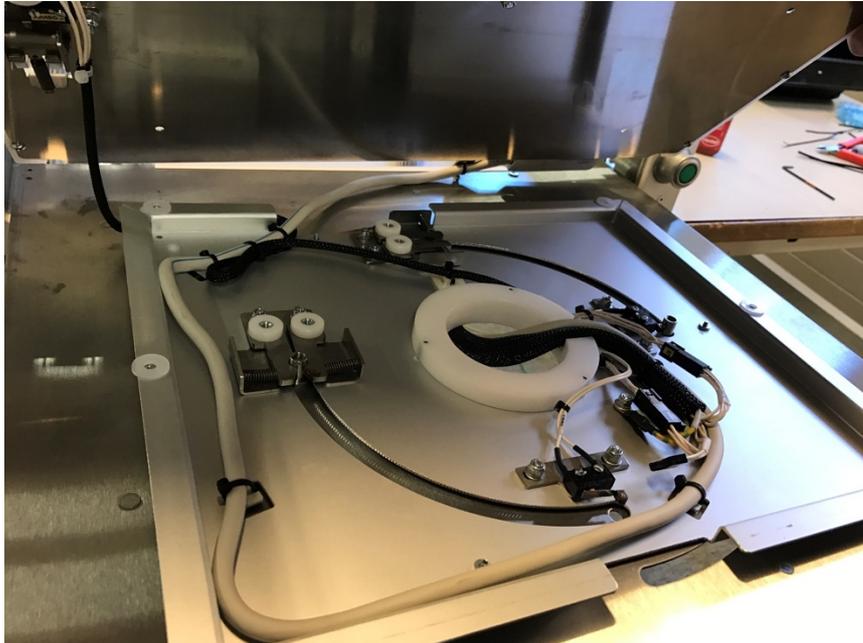


1.4.11 Release the tray by removing the 4 screws:



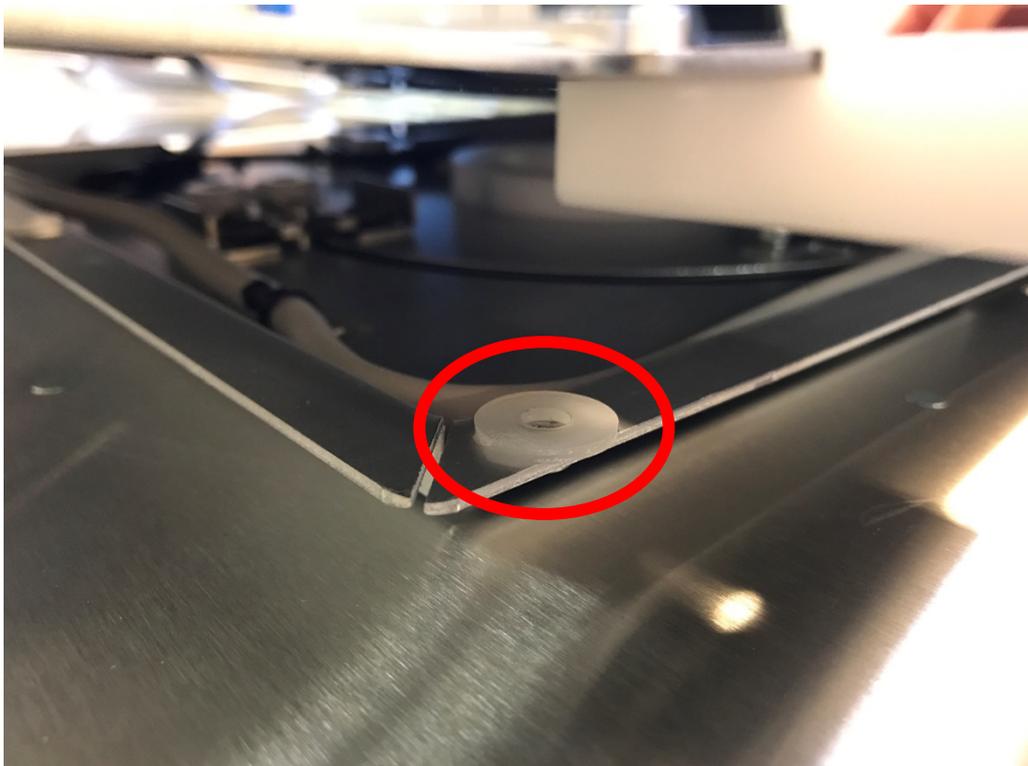
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1.4.12 Lift the tray off. Now you can see how the cable is routed inside. Dismount the current one and mount the new one as per below picture, using new cable ties:



NOTE! Make sure the cable is not interfering with the microswitches in any way.

1.4.13 Remount the detector tray. Make sure that no cable gets squeezed – the plastic washers must be fitted according to below picture:



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1.4.14 Route and secure the new cable as the previous cable that was removed in steps 1.4.6 to 1.4.12. Connect it in the Canon powerbox end.

1.4.15 Put all the covers back on again.

1.4.16 Done!

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1.5 Work instructions for Table

1.5.1 Drive the bucky to one of the sides, left or right.

1.5.2 Remove the end stop on the table top on the same end as the bucky is located:



1.5.3 Now release the table top and slide it in the other direction, just enough to give access to the bucky:



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1.5.4 Turn the system OFF from the button on the generator console:



1.5.5 Release the 2 screws on each side of the bucky in order to detach it from the wagon:



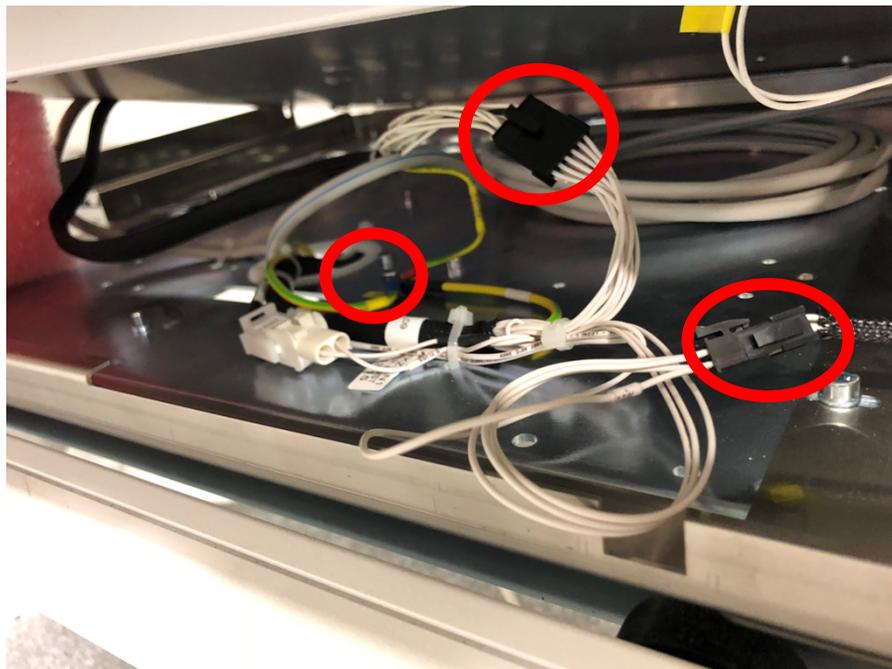
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1.5.6 Carefully angle front of the bucky upwards to gain access underneath, and put something in between bucky and wagon for the weight to rest on:



NOTE! Be careful when lifting and angling the bucky not to scratch the cover surfaces.

1.5.7 Check the cable length of cables (2 black connectors and one ground) pointed out in below picture - and disconnect if necessary – in order to be able to lift the bucky up on table top frame in next step:

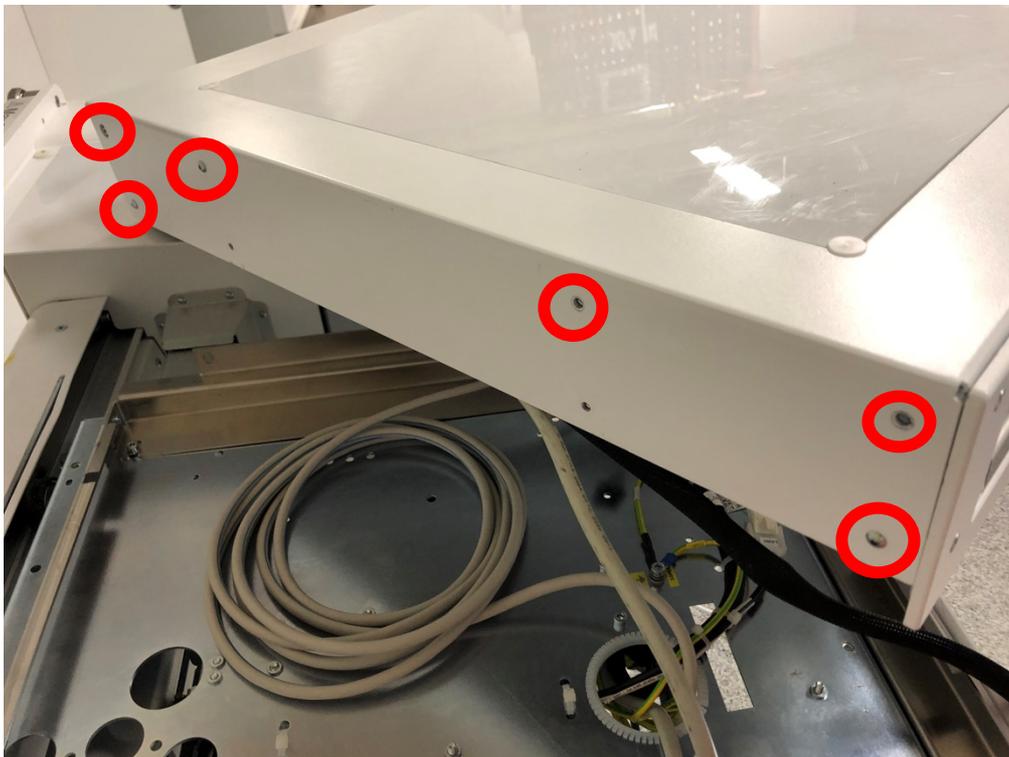


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1.5.8 Lift the bucky upwards onto the table top frame:

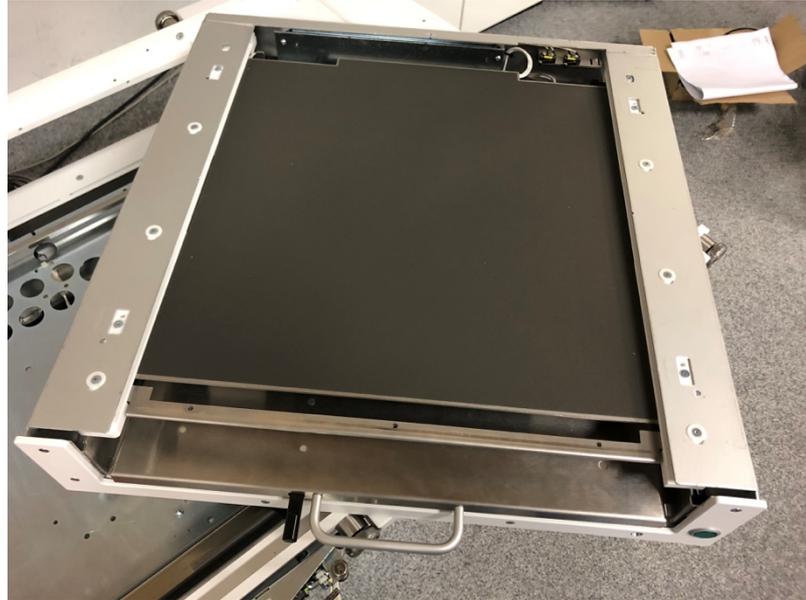


1.5.9 Remove the screws and lift the cover off upwards:



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1.5.10 You will now be able to see the AEC-chamber:



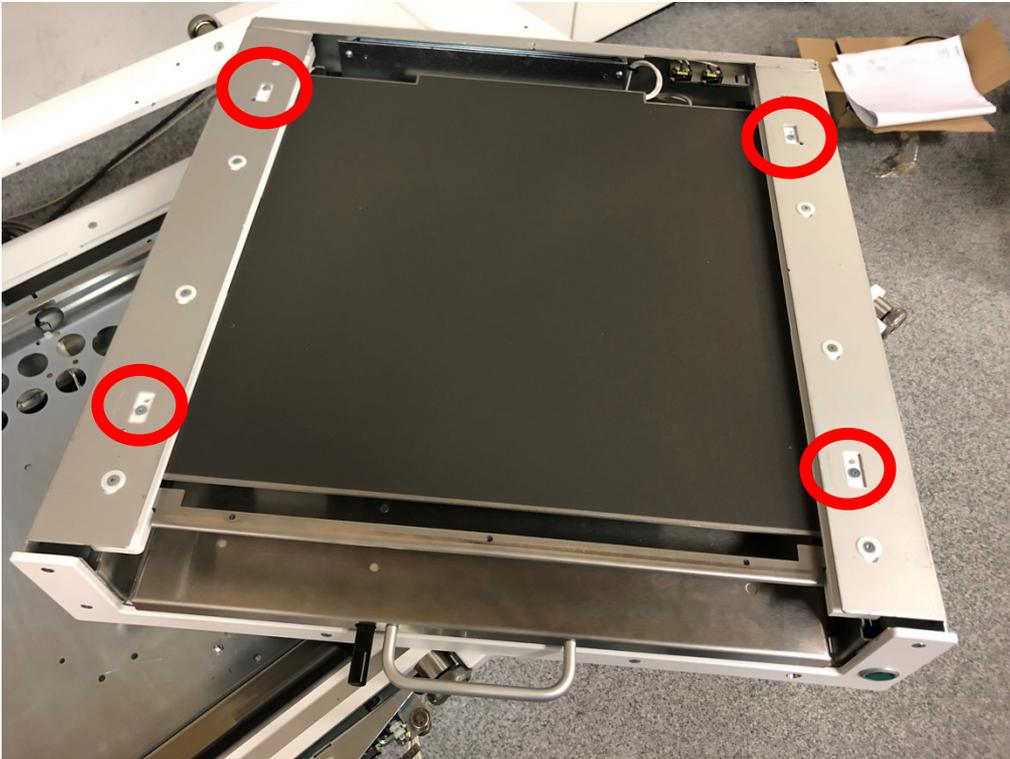
NOTE! Be very careful when handling this – the AEC-chamber is highly sensitive, even minor bending and tweaking could damage it.

1.5.11 Make a mark at the edges on the white plastic rails holding the AEC on both sides. This will make it easier to locate it in the correct position when reassembling it again:



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1.5.12 Now release the 4 screws in below picture about 3 rounds each. This will enable you to move the AEC chamber away from the plastic rails and gain access to the cable routing underneath:



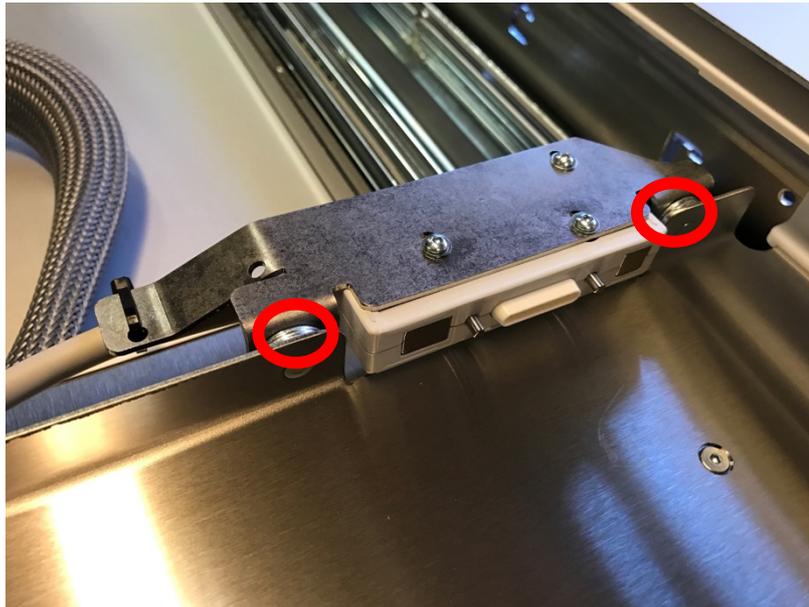
NOTE! Again, remember to be careful and handle the AEC-chamber with caution.

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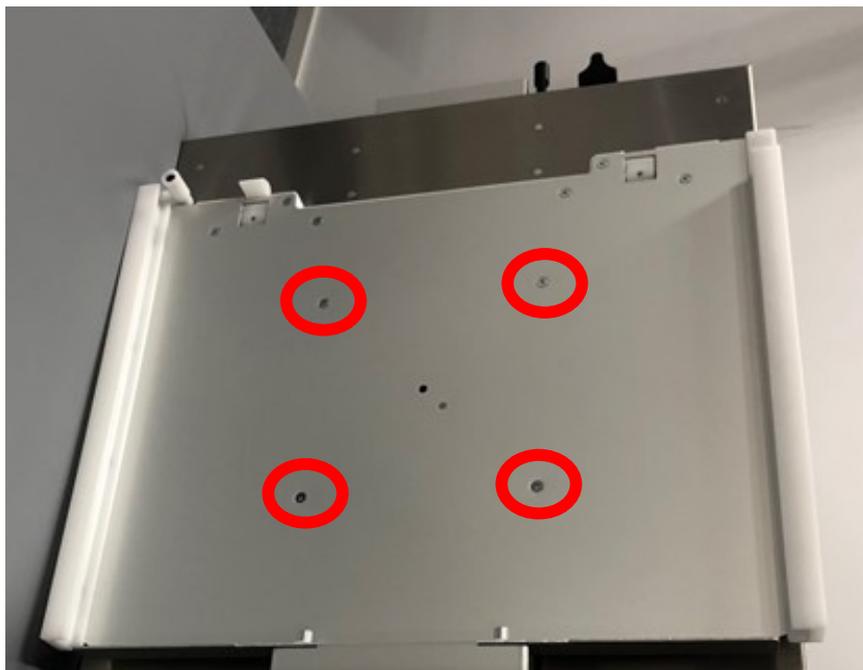
1.5.13 Now that the entire routing of the cable is accessible, disconnect it in the Canon powerbox end and pull it out towards the detector end.

NOTE! It is important to protect the connector in an appropriate way when pulling it out through sleeves and hoses.

1.5.14 After having pulled the cable all the way out to the bucky, slide the tray out and release it in this end too. But, before you remove the two screws, check how many washers are fitted:

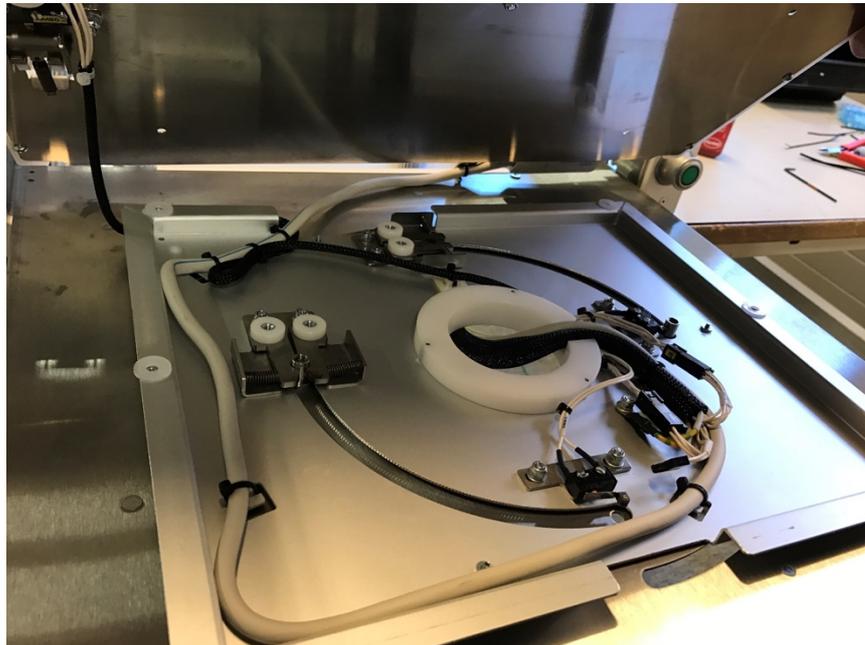


1.5.15 Release the tray by removing the 4 screws:



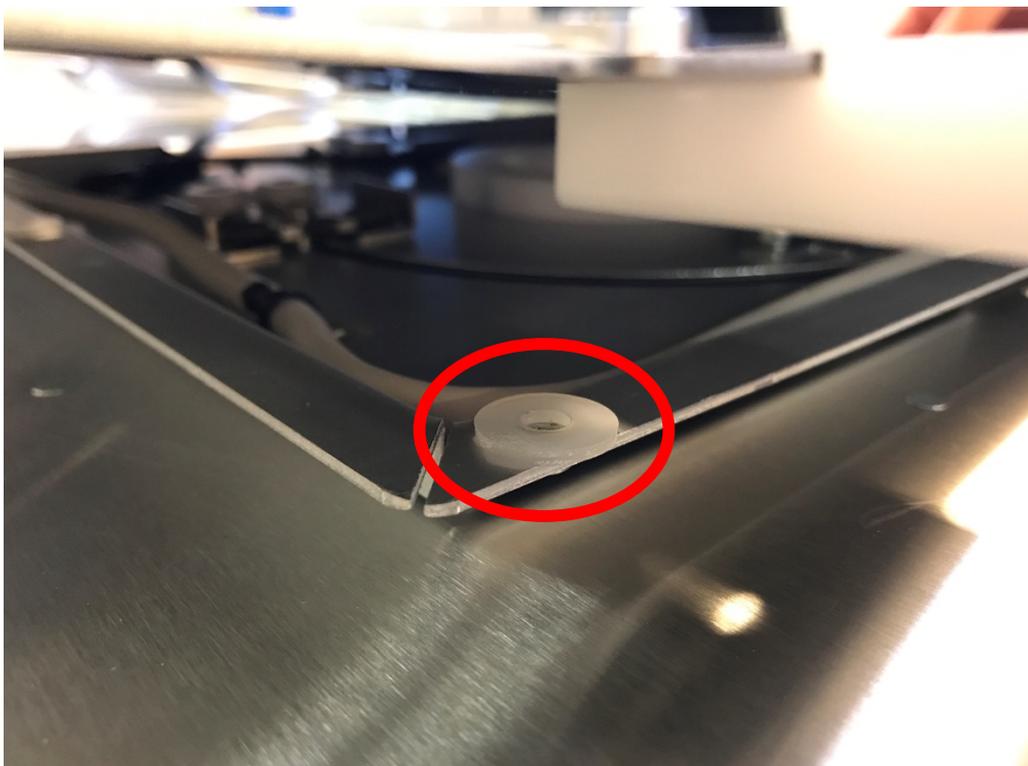
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1.5.16 Lift the tray off. Now you can see how the cable is routed inside. Dismount the current one and mount the new one as per below picture, using new cable ties:



NOTE! Make sure that the cable is not interfering with any of the microswitches.

1.5.17 Remount the detector tray. Make sure that no cable gets squeezed – the plastic washers must be fitted according to below picture:



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1.5.18 Route and secure the new cable as the previous cable that was removed in steps 1.5.14 to 1.5.17. Connect the cable in the Canon powerbox end.

1.5.19 Reassemble the AEC, put the covers back on and reinstall the bucky on the wagon.

1.5.20 Turn the system back ON from the button on the generator console:



1.5.21 Slide the table top back on again and reinstall the table top end stop. Note that you have to release the table top brakes from the manoeuvre handle and push the brakes (“help” it) mechanically for them to engage.

NOTE! Mind the squeezing hazard when handling the magnetic brakes!

1.5.20 Done!