



SPARE PART INSTRUCTION

SPI 0055-810-205
VER 1.1

Date (approved from):
2022-03-08

Replaces	Created date: 2022-02-08	Signature	Clarification of signature Jonas Petersson
Copy to:	Reviewed date:	Signature	Clarification of signature
	Approved date:	Signature	Clarification of signature

Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

DOCUMENT HISTORY

Ver.	Date	Change	Sign
1.1	2022-02-08	Created	JPN

TABLE OF CONTENTS

INSTRUCTION SPAREPART

1.1 General	4
1.2 Protective Measures	4
1.3 Tools and documents required	4
1.4 Work instructions for part replacement	5
1.6 Test	8

Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

INSTRUCTION SPAREPART

1.1 General

This instruction describes how to replace the head side table column.

Spare part number: 0055-810-205 "Column left, table" (head side)

Estimated time required for the entire procedure is about 3 hours.

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
- Torque wrench

- Service laptop, service cable.

1.4 Notes:

n.a

Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

1.5 Work instructions

1. Open the electric compartment of the 0055 table.

Note!

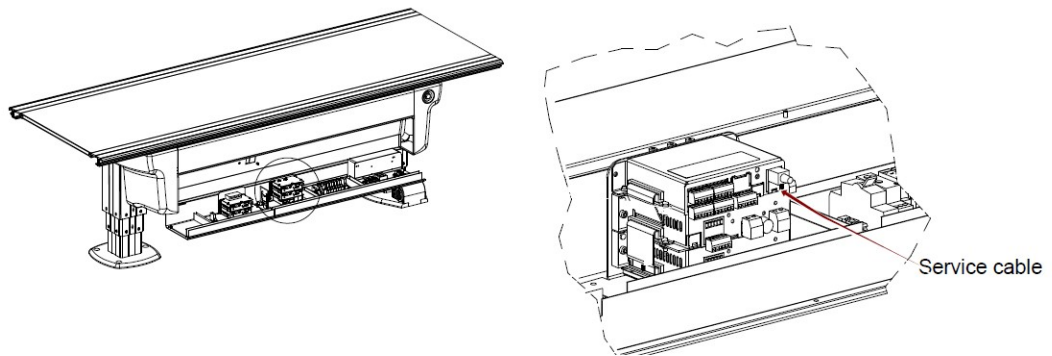
The electrical plate is heavy. Be careful when the plate opens.

2. Connect the Table Service program 0055_r00_05 to the table.



WARNING!

Standard RS232 cable shall not be used. Service cable shall be ordered from Manufacturer.

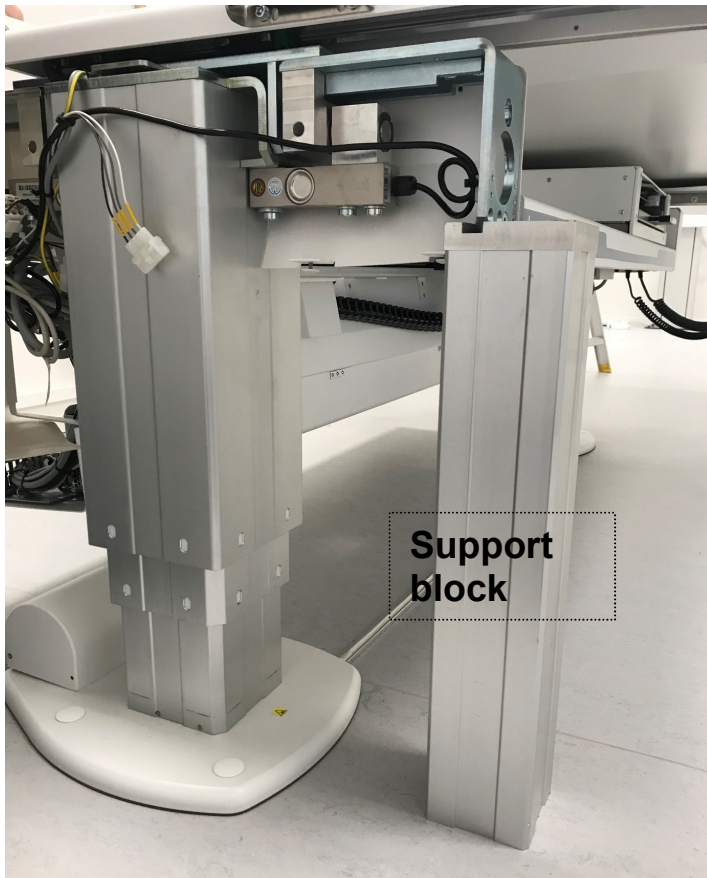


3. If possible, adjust table height from the Service program to the same height as the spare part column (approximately 62cm).
4. Remove side covers to gain access to the column. Being able to adjust the table height is beneficial for the next steps so if possible, leave emergency stop cables connected.



Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

- Remove the PE cable and the small caterpillar cable from the column. The caterpillar cable is attached with a screw in the top of the column. Remove cable ties to gain access.



- Position support blocks to keep the table level while the column is removed.

Two pieces of wooden blocks cut to size can be used.

It is important that the table base rests securely on the two support blocks placed on both sides of the column.

Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

- Release and remove bolts (2pcs) on both sides to separate the column from the table base.



- Using the Service program, adjust the column height slightly to create clearance between the column bracket and load cell. This clearance will allow the column to easily slide out when removed.

NOTE! Be careful when adjusting height of a single column.



- Table resting securely on support blocks.

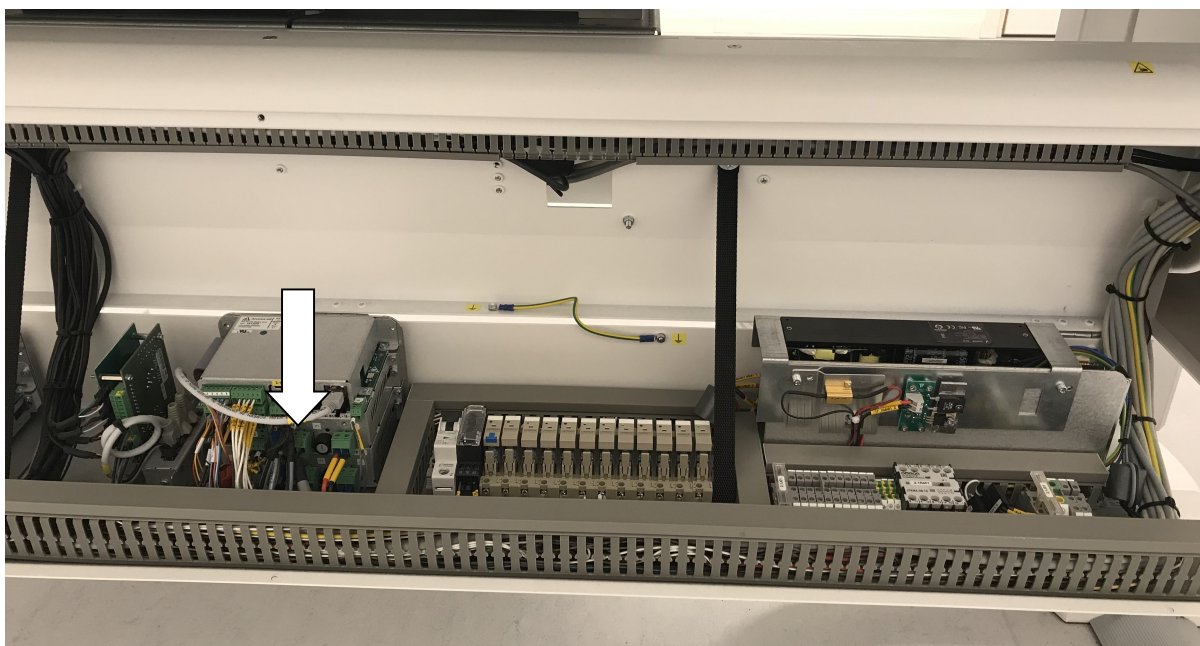


Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

10. Release and remove the bolts between column foot plate and floor.



11. Disconnect all cables from the column. Pull back motor cables all the way from the motor controller. Note the position of all cables to avoid mistakes later.



Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

12. Disconnect the foot control strip (optional)

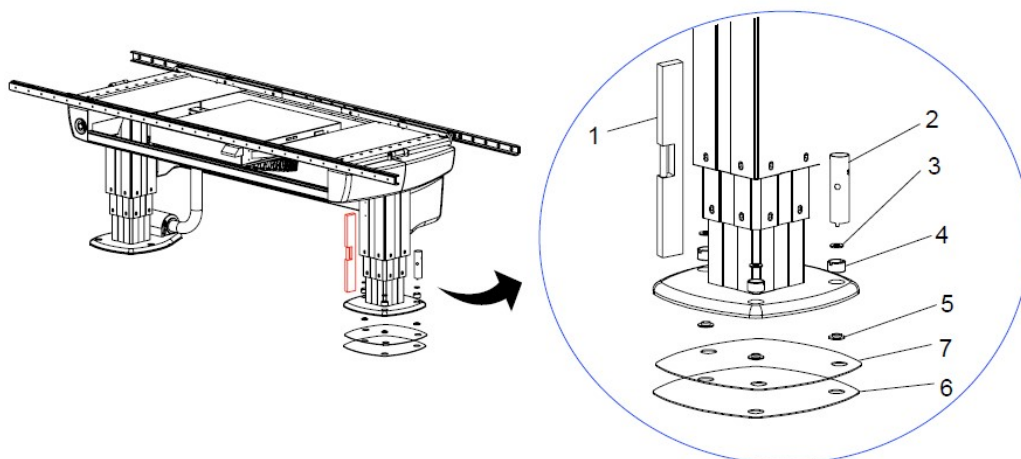


<p>Title Spare Part Instruction</p>	<p>Reg. No. SPI 0055-810-205</p>	<p>Version VER 1.1</p>	<p>2022-02-08</p>
---	--------------------------------------	----------------------------	-------------------

13. Release and remove bolts to separate the cable brackets from the columns foot plate.



- 14. Make sure the support blocks securely hold the table in position, then pull the column straight out.
- 15. Position the new column. If the height of the column must be adjusted during this step, connect cables temporarily then use the service program to carefully adjust height.
- 16. Connect all cables from the new column.
- 17. Make sure insulation plates and washers are positioned. Also, re-use optional foot plate shims if needed.



Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

Note!

The insulation kit is designed to insulate the Table from the hospital building, and will prevent stray currents from reaching the System e.g. via bolt attachments.

Stray currents can be present e.g. in reinforcement bars or in water pipes in a building. These currents can be of several hundred amperes and can affect the leakage current from the System to the patient and thereby the safety for patient and user. Stray currents in the building shall be regarded as a failure in the building but the insulation kit provides an extra safety barrier. The insulation kit will also prevent unwanted ground loops due to e.g. electrical contact through the wall or floor lead X-ray shielding via bolt attachments of the Systems components.

18. Mount all five bolts from step 7 (2pcs table base) and from step 10 (3pcs floor). Do not tighten yet.
19. Re-mount PE- and caterpillar cables from step 5.
20. Make sure the column is aligned with the table frame. Any irregularities can be felt in the highlighted area in the photo. If the two areas feel plane when touched by a finger, everything is OK. Adjust if necessary.



Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

21. Set your torque wrench to 47Nm.



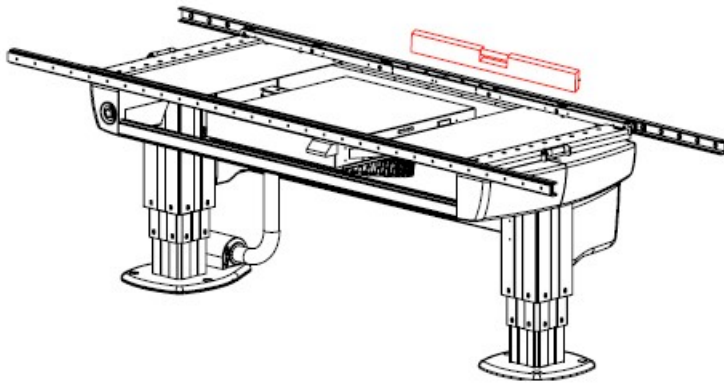
22. Tighten the bolts between the load cell and column (47Nm).



Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

23. Move table upwards and remove the support blocks.

24. Place a spirit level on the tabletop and confirm that the tabletop is horizontal ($\pm 1\text{mm}$). Adjust if necessary.



25. Place a spirit level on two adjacent sides of the column ($90^\circ \pm 0,5^\circ$). Adjust if necessary.

26. Move table up/down and confirm that it moves normally.

27. A recalibration of table height may need to be performed. Follow instructions in the Installation & Service manual for Z calibration.

28. Tighten bolts between column foot plate and floor.

29. Reinstall cable bracket from step 13.

30. Reinstall the foot control strip from step 12.

31. Reinstall covers and close the electrical compartment.

Title Spare Part Instruction	Reg. No. SPI 0055-810-205	Version VER 1.1	2022-02-08
---------------------------------	------------------------------	--------------------	------------

END OF DOCUMENT