

**SERVICE MANUAL
FOR
ASE MPSU
(2D911-259EN*D)**

CANON MEDICAL SYSTEMS CORPORATION

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REVISION RECORD					
REV.	DATE (YYYY-MM)	REASON /AUTHOR	PAGE CHANGED	SER. No.	DOC. PRODUCT.
INI.	2014-07	Mr. Nogami	-----		TM-WP07
*A	2015-01	KSM41-1690 Mr. Nogami	P. 25, 26, 31, 32, subsections 3.7.1 to 3.7.9 3.9, section 5		TM-WP07
*B	2018-01	Change of company name Mr. Yasuhara			TM-WP07
*C	2019-02	Support of TN150 Rev. B magnet KSM49-2160 Mr. Kawakami	Subsection 3.6.1		TM-WP07
*D	2024-03	Support of discontinued production of SVU KSM49-2916 Mr. Shinkai	Subsections 2.1, 3.1, 3.3, 3.6, 3.7, 3.9, sections 1, 5		CM-WP7G

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- Ramp to Overshoot Current – Ramps to overshoot current value as defined in the [Settings] tab.
 - Wait for Stability – Waits for the current value to become stable within 10 mA and Magnet Voltage to be 30 mV or less or a wait time as defined in the [Settings] tab (maximum 6 minutes for DCL magnets and 20 minutes for FCL magnets).
 - Reduce to Demand Current – Ramps down to demand current value as defined in the [Settings] tab.
 - Wait for Stability – Waits for the current value to become stable within 10 mA and Magnet Voltage to be 30 mV or less or a wait time as defined in the [Settings] tab (maximum 6 minutes for DCL magnets and 20 minutes for FCL magnets).
 - Wait for Persistent Switch to Cool – Waits for the persistent switch to cool (typically 60 seconds).
 - Ramp MPSU to Zero Current – Sweeps the MPSU output current to zero (0 A).
 - Finished – Session completed.
- (11) Next the service engineer may turn off the MPSU from the power chassis circuit breaker found at the rear of the MPSU.
- (12) The MPSU control program can now be shut down by selecting the X in the top right hand area of the program box.
- (13) The laptop computer should be shut off in accordance with proper Windows shutdown procedures.

3.7.7 Ramping down magnet from full field

- (1) Confirm that the LHe level in the magnet is higher than the specified level and that the helium pressure in the magnet is at the normal operating pressure level.

<For the DCL-type magnet>

Minimum LHe level for ramp-up : 58% (Normal condition)*²

Magnet operating pressure*¹ : Approx. 700 Pa to 1000 Pa

*1: Confirm the pressure before depressurizing the magnet to connect the DCL.

*2: It is recommended that ramp-up be performed with an LHe level of 72% or higher.

<For the FCL-type magnet>

Minimum LHe level for ramp-up : 58% (Normal condition)*³

Magnet operating pressure : Approx. 2900 Pa to 3200 Pa

*3: It is recommended that ramp-up be performed with an LHe level of 69% or higher.

- (2) Mount the DCL to the magnet. (Refer to the magnet service manual 2D911-165EN for handling of the DCL and magnet.)
- (3) Ensure bypass valve is closed.
- (4) Verify that all connections between MPSU and magnet have been made as described in subsections 3.6 and 3.7.



LEGAL MANUFACTURER

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