

6.1.1 Preventive maintenance sequence

Table 6-1. Preventive maintenance sequence

Step	Task	Where found	Time required
1.	Perform (or confirm it has been performed) the hospital's preventive maintenance.	Hospital preventive maintenance, refer to Section 6.2.	5-15 minutes
2.	Check if the latest software version is installed on the HAMILTON-C1 ventilator. Install the latest software if it is not installed.	Refer to Hamilton Medical's Partner-Net website (https://www.hamilton-medical.com/Partner-Net/) for the latest software version. Software version (Technical state): <ul style="list-style-type: none"> • For SW v2.x.x, see the Service Manual Section 8.2.6.1.2. • For SW v3.x.x, see the Service Manual Section 9.2.6.2.2. 	10-15 minutes
3.	Perform the engineer's preventive maintenance.	Engineer's preventive maintenance, refer to Section 6.3.	10 minutes
4.	Perform components replacement if necessary.	Components removal/ assembly, refer to Section 11.	N/A
5.	Perform all calibrations and tests.	<ul style="list-style-type: none"> • For SW v2.x.x, see the Service Manual Chapter 8. • For SW v3.x.x, see the Service Manual Chapter 9. 	40 minutes
6.	Perform the electrical safety tests.	Electrical safety tests, refer to Chapter 7.	30 minutes
7.	Perform the preoperational check.	HAMILTON-C1 Operator's Manual or local-language equivalent.	10 minutes

6.1.2 Items required for preventive maintenance

Consumable spare parts required:

- HEPA filter (PN 161236)
- Filter set (PN 161275). Each set contains 5 x dust filters and 5 x fan filters.
- O2 sensor (PN 396200) or O2 sensor (PN 10076708), Pb-Free
- O2 inlet filter kit (PN 160497)

In addition you must also have available:

- Blower module (for PN refer to Section 13.2.1)
- Lithium-ion battery (MSP369108)

For required tools, see Chapter 12.

For special tools, see Section 12.3.

For required test equipment, see Section 12.4.

NOTICE

For further information on the recommended spare parts list, download the *Recommended Spare Parts for Preventive Maintenance and Service* (PN 10103117) document from Hamilton Medical's Partner-Net website (<https://www.hamilton-medical.com/Partner-Net/>).

Part Number	Description	Photo
369104	Battery charger / calibrator	
MSP369108	Lithium-ion battery	
161545	Cable to COM1 260 mm	
161650	Cable to COM1 500 mm	
950473	Communication cable HAMILTON-H900	
10077038	Y-Cable for HAMILTON-H900 humidifier and Communication board with Humidifier/COM1 or RS232 port	
160166	Cable Nurse Call	
161196	Nurse call cable with plug	
10105095	Potential equalization USB cable	

13.2.10 Preventive maintenance parts

Part Number	Description	Photo
161236	HEPA filter	
161275	Dust filter for HEPA and fan Set of 5	
160497	HPO inlet filter service kit	
396200	O2 sensor	
10076708	O2 sensor (Pb free)	