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001	2/17/2023	First Issue
002	9/11/2025	General updates
003	11/3/2025	Sheet number update in header

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Short Title	N04 – Special Tools List
Full Title	N04 – Special Tools List
Abstract	

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Revision Record

Rev #	Description	Revised By	Date
1.0	Initial Release	PBL	February 2023
2.0	General Updates	RKN	September 2025
3.0	Update sheet numbers	JTA	November 2025

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1.0 Purpose

The purpose of this document is to outline the special tools required to go through a 2 year maintenance period.

2.0 References

Table 1: Reference Documents

Document ID	Document Title	Source
K559-2254-CWIWP4202202-N03-001Rev002	Recommended Spares for 2 Years	Ballard
K559-2254-CWIWP4202202-N01-003Rev003	Service and Maintenance Manual	Ballard

3.0 Remarks to Special Tools List

This list reflects the special tools needed for 2 years of maintenance. General hand tools are not considered on this list. As a reference see Recommended Spares for 2 Years K559-2254-CWIWP4202202-N03-001Rev002. Further information can be found in the Service and Maintenance Manual K559-2254-CWIWP4202202-N01-003Rev003.

Special Toolkit

Item	Kit	Part Number	Description	Qty.
1	6100062		Special tools Kit FC Wave EU	1
		6500524	(OEM)Solo Smoke Sabre	1
		6100039	RS PRO Black PVC Cat5e Cable F/UTP, 5m Male RJ45/Male RJ45 -	1
		6100060	Portable Hydrogen Leak Detector (Snooper Mini H2) - EU	1
		6500424	Hanna Instruments conductivity Meter - EU	1
		6100014	Calibration Adapter, RKI Hydrogen Sensor - EU	1
		7001347	Key for the Cabinet Door	1
		6100045	ESD wrist strap and cord	1
6	6100063		Elma 9200BT Bluetoth tangamperemeter	1
7	6100064		Elma BM878 isolationstester og Sand RMS KAT IV multimeter	1
8	7001348		Lifting tool	
10	7000466		Test box for customer interface	1
11	7001283		STAHLWILLE 03190032 CROW-RING-SPANNER 440 32, SIZE 32 MM	1
12	7001285		STAHLWILLE 03190046 CROW-RING-SPANNER 440 46, SIZE 46 MM	1
13	7001284		STAHLWILLE 03190050 CROW-RING-SPANNER 440 50, SIZE 50 MM	1
14	7001316		Krytox GPL 205, NLGI 2, 6 grams plasttube 16x65mm	1
15	6100065		MEG Test lead kit	1
		6100066	Staubli Krokodillenæb, Rød, Messing-kontakter, 32A	5
		6100067	Staubli Krokodillenæb, Sort, rød, 32A	2
		6100068	Hirschmann Test & Measurement, Prøveledning, Rød, 1000V ac/dc, 32A, 500mm	8
		6100069	Hirschmann Test & Measurement, Prøvespids med ledning og 4 mm stik, Rød, 1000V ac/dc, 32A, 1m	2
		6100070	Hirschmann Test & Measurement, Prøvespids med ledning og 4 mm stik, Sort, 1000V ac/dc, 32A, 1m	2
		6100071	Raaco Sortimentsæske, 10 Rum, Blå, PP, 57mm x 338mm x 261mm	1
		6100072	24 V interface Jumper	1
16	7001172		LHD Test Plug	1
17	7001350		DI Filter Special key	1
18	7001351		Cooling sample kit	1
19	7001352		Cooling filling pump with adapters	1

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