



SERVICE BULLETIN
SB0323 Rev 2, Nov 3, 2023

CVH530KA Cell Replacement, P/N 023456-000

1. Summary

This service bulletin describes the procedure to replace the Saft (CAGE code 09052) cell type CVH530KA, P/N 023456-000, as listed in the effectivity tables contained herein.

2. Planning information

A. Effectivity

Holders of Saft cells CVH530KA, P/N 023456-000, with serial numbers listed in Table 1 and Saft battery type 5317CH-1, SAI P/N 023805-000, GAC P/N 1159SCAV519-1, with serial numbers listed in Table 2.

Note: cell serial numbers listed with an asterisk (*) were sold as individual parts.

Table 1 – Affected CVH530KA Cell Serial Numbers

00271327	00271343	0027135F	0027137B	00271397	002713B3
00271328	00271344	00271360	0027137C	00271398	002713B4
00271329	00271345	00271361	0027137D	00271399	002713B9
0027132A	00271346	00271362	0027137E	0027139A	002713BA
0027132B	00271347	00271363	0027137F	0027139B	002713BB
0027132C	00271348	00271364	00271380	0027139C	002713BC
0027132D	00271349	00271365	00271381	0027139D	002713BD
0027132E	0027134A	00271366	00271382	0027139E	002713BE
0027132F	0027134B	00271367	00271383	0027139F	002713BF
00271330	0027134C	00271368	00271384	002713A0	002713C0
00271331	0027134D	00271369	00271385	002713A1	002713C1
00271332	0027134E	0027136A	00271386	002713A2	002713C2
00271333	0027134F	0027136B	00271387	002713A3	002713C3
00271334	00271350	0027136C	00271388	002713A4	002713C4
00271335	00271351	0027136D	00271389	002713A5	002713C5
00271336	00271352	0027136E	0027138A	002713A6	002713C6
00271337	00271353	0027136F	0027138B	002713A7	002713C7
00271338	00271354	00271370	0027138C	002713A8	002713C8
00271339	00271355	00271371	0027138D	002713A9	002713C9
0027133A	00271356	00271372	0027138E	002713AA	002713CA
0027133B	00271357	00271373	0027138F	002713AB	002713CB
0027133C	00271358	00271374	00271390	002713AC	002713CC
0027133D	00271359	00271375	00271391	002713AD	002713CD
0027133E	0027135A	00271376	00271392	002713AE	002713CE
0027133F	0027135B	00271377	00271393	002713AF	002713CF
00271340	0027135C	00271378	00271394	002713B0	002713D0
00271341	0027135D	00271379	00271395	002713B1	002713D1
00271342	0027135E	0027137A	00271396	002713B2	002713D2



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002713D3	0027140A	00271D4A *	00271D76 *	00271DA3 *	00271DCB *
002713D4	0027140B	00271D4B *	00271D7A *	00271DA4	00271DCC *
002713D5	0027140D	00271D4C *	00271D7B *	00271DA5 *	00271DCD *
002713D9	0027140E	00271D4D *	00271D7E *	00271DA6 *	00271DCE
002713DE	0027140F	00271D4E *	00271D7F *	00271DA7 *	00271DCF
002713E0	00271410	00271D4F *	00271D80 *	00271DA8 *	00271DD0
002713E1	00271411	00271D50 *	00271D81 *	00271DA9	00271DD1
002713E5	00271412	00271D51 *	00271D82 *	00271DAA *	00271DD2
002713E9	00271413	00271D52 *	00271D83 *	00271DAB *	00271DD3
002713EA	00271414	00271D53 *	00271D84 *	00271DAC *	00271DD4 *
002713EB	00271415	00271D54 *	00271D85 *	00271DAD *	00271DD5 *
002713EC	00271416	00271D55 *	00271D86 *	00271DAE *	00271DD6 *
002713ED	00271417	00271D56 *	00271D87 *	00271DAF *	00271DD7
002713EE	00271418	00271D57 *	00271D88 *	00271DB0	00271DD8
002713EF	00271419	00271D58 *	00271D89 *	00271DB1	00271DD9
002713F0	0027141A	00271D59 *	00271D8A *	00271DB2 *	00271DDA
002713F1	0027141B	00271D5A *	00271D8B *	00271DB3	00271ddb
002713F2	0027141C	00271D5B *	00271D8C *	00271DB4	00271DDC
002713F3	0027141D	00271D5C *	00271D8D *	00271DB5	00271DDD
002713F4	00271D35 *	00271D5D *	00271D8E *	00271DB6	00271DDE
002713F5	00271D36 *	00271D5E *	00271D8F *	00271DB7	00271DDF *
002713F6	00271D37 *	00271D5F	00271D90 *	00271DB8	00271DE0
002713F7	00271D38	00271D60 *	00271D91 *	00271DB9	00271DE1
002713F8	00271D39	00271D61 *	00271D92 *	00271DBA *	00271DE2
002713F9	00271D3A *	00271D62 *	00271D93 *	00271DBB *	00271DE3
002713FA	00271D3B *	00271D63 *	00271D94 *	00271DBC *	00271DE4
002713FB	00271D3C *	00271D64 *	00271D95 *	00271DBD *	00271DE5
002713FC	00271D3D *	00271D65 *	00271D96 *	00271DBE *	00271DE6
002713FD	00271D3E	00271D66 *	00271D97 *	00271DBF *	00271DE7
002713FE	00271D3F *	00271D67 *	00271D98 *	00271DC0 *	00271DE8 *
002713FF	00271D40	00271D68 *	00271D99 *	00271DC1 *	00271DE9
00271400	00271D41	00271D69 *	00271D9A *	00271DC2 *	00271DEA
00271401	00271D42	00271D6A *	00271D9B *	00271DC3 *	00271DEB
00271402	00271D43	00271D6B *	00271D9C *	00271DC4 *	00271DEC
00271403	00271D44	00271D6C *	00271D9D *	00271DC5 *	00271DF3
00271404	00271D45	00271D6D *	00271D9E *	00271DC6 *	00271DF6
00271405	00271D46	00271D6E *	00271D9F	00271DC7 *	00271DF7
00271406	00271D47	00271D6F *	00271DA0 *	00271DC8 *	00271DF8
00271407	00271D48	00271D70 *	00271DA1 *	00271DC9 *	00271DF9
00271408	00271D49	00271D73 *	00271DA2 *	00271DCA *	00271DFA



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00271DFB	00271E08	00271E11	00271E1A	00271E23	00271E2C
00271DFC	00271E09	00271E12	00271E1B	00271E24	00271E2D
00271E01	00271E0A	00271E13	00271E1C	00271E25	00271E2E
00271E02	00271E0B	00271E14	00271E1D	00271E26	00271E2F
00271E03	00271E0C	00271E15	00271E1E	00271E27	00271E30
00271E04	00271E0D	00271E16	00271E1F	00271E28 *	00271E31
00271E05	00271E0E	00271E17	00271E20	00271E29	00271E32
00271E06	00271E0F	00271E18	00271E21	00271E2A	00271E33
00271E07	00271E10	00271E19	00271E22	00271E2B	00271E34

Table 2 – Affected 5317CH-1 Battery Serial Numbers Containing Cells Listed in Table 1

09052002719DD	0905200271A50	0905200272972	09052002737C8
09052002719DE	0905200271A51	0905200272973	09052002737C9
09052002719DF	0905200271A52	090520027335E	09052002737CA
09052002719E0	0905200271A53	0905200273360	09052002737CD
09052002719E1	0905200271A54	0905200273365	09052002737CE
09052002719E2	0905200272970	0905200273366	09052002737CF
0905200271A4F	0905200272971	0905200273367	09052002737D0

B. Concurrent requirements

Not applicable

C. Reason

Suspect CVH530KA cells listed in Table 1 may contain a gas barrier that does not cover the entire surface of the electrodes. With this condition there may be oxygen recombination and could potentially develop into a short circuit over time.

D. Description

This service bulletin provides the instructions to replace CVH530KA cells, P/N , contained within the batteries listed above in Table 2. Instructions are also provided for those listed in Table 1 with an asterisk (*). The serial numbers shown with an asterisk (*) were shipped as individual parts.

E. Compliance

This service bulletin shall be accomplished by a qualified battery maintenance technician as a one-time cell serial number replacement, as listed in Table 1, to be replaced at the earliest convenience.

F. Approval

The technical requirements of this Service Bulletin have been written by Saft Aviation Product Support. The repairs and modifications herein are minor per 14 Code of Federal Regulations (CFR) 21.93/CS 21.93 and comply with the applicable regulations and are on record with the supplier as FAA-approved, as well as EASA/JAA approved by process via 14 CFR 21.95/CS 21.95.



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G. Manpower

This service bulletin will require less than 1 hour per battery to complete.

H. Weight and balance

No change

I. Electrical load data

No change

J. Software accomplishment summary

Not applicable

K. References

1. Existing data:
 - Component Maintenance Manual (CMM) 5317CH-1 24-34-01
2. Data supplied with this service bulletin:
 - None

L. Other publications affected

Not applicable

M. Interchangeability or intermix ability of parts

Not applicable

3. Material Information

A. Material and price availability

Item (CAGE code 09052)	Description	Date available	ROLT (weeks)	Unit price thru 1 Year from SB Initial Release*
P/N	CVH530KA Cell	Apr 28/2023	12	Free of charge
P/N 026776-000	Compliance Label	Apr 28/2023	6	Free of charge

* Initial release of SB was Apr 25/2023 REV 0

Contact Saft at aircraft@saft.com to coordinate replacement parts.

B. Industry support

Saft warranty remedies are available for 5317CH-1 batteries listed in Table 2 and CVH530KA cells shown in Table 1 as of the initial release of this Service Bulletin.

If technical assistance is needed, contact Aviation Product Support at aircraft@saft.com.

C. Material necessary for each component

Not applicable

D. Material necessary for each spare

Not applicable

E. Reidentified parts

Refer to compliant label application in paragraph 4. B. (1) Step 5.



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F. Tooling – Price and Availability

Refer to SPECIAL TOOLS, FIXTURES, EQUIPMENT, AND CONSUMABLES section in CMM 5317CH-1 24-34-01 for complete list of items needed to perform the accomplishment instructions in this service bulletin.

4. Accomplishment instruction

A. General

Observe all warnings and cautions contained in the CMM 5317CH-1 24-34-01.

B. Procedures

NOTE: The () are the item numbers as provided within CMM 5317CH-1 24-34-01.

(1) For Table 2 batteries or any 5317CH-1 battery that contains cells listed in Table 1.

Step 1. Discharge the battery at 53A or 22.5A to 20.0V.

Step 2. Remove cover (020) by opening latches and lifting cover from case (010) or (10A).

Step 3. Perform DISASSEMBLY cell removal per CMM 5317CH-1 24-34-01

Step 4. Locate and replace cell or cells (030) listed in Table 1 by inspection or utilizing logbook.

Step 5. Install the compliance label P/N 026776-000 just above the Nameplate label and be sure not to overlap Nameplate label.

Step 6. Perform ASSEMBLY per CMM 5317CH-1 24-34-01.

Step 7. Perform charge per TESTING 4.K paragraph in CMM 5317CH-1 24-34-01.

Step 8. Return to “B” shown in Figure 1001 in CMM 5317CH-1 24-34-01.

Step 9. The defective cells should be disposed of in a manner prohibiting them to be returned to service. Follow the instructions given in the INTRODUCTION, paragraph 7, and paragraph 6 of CMM 5317CH-1 24-34-01 for proper disposal.

Step 10. Provide Saft with scrap certificates with cell serial numbers listed in Table 1.0 to aircraft@saft.com.

(2) For Table 1 cells that were shipped as individual parts and noted with an asterisk (*).

Step 1. Remove and replace the cell with those provided by Saft.

Step 2. The defective cells should be disposed of in a manner prohibiting them to be returned to service. Follow the instructions given in the INTRODUCTION, paragraph 7, and paragraph 6 of CMM 5317CH-1 24-34-01 for proper disposal.

Step 3. Provide Saft with scrap certificates with cell serial numbers listed in Table 1 to aircraft@saft.com.



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