





Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Lightwing AC4/AC4GT Approved publications	Doc-Nr: ADxC-48-SB-018 Issue: A Date: 24.09.2025 TCDS: EASA.A.588
Service Bulletin			

Lightwing AC4/AC4GT Approved publications
SERVICE BULLETIN

Office of Airworthiness release
Date: 26.09.2025
Name: B. Kölmel
Signature: 

Verification Engineer
I hereby declare that the technical content of this document is correct and can be used to fulfil the obligations of the type design holder per 21.A.265(h)
Date: 26.09.2025
Name: B. Kölmel
Signature: 

Author
Date:
Name: L. Rammos
Signature:

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Amendments

Issue	Reason	Date
A	Initial issue (DC-040)	24.09.2025

Lightwing AC4/AC4GT Approved publications

This service bulletin informs operators and maintenance organizations with respect to the approved publications for the AC4 and AC4GT aircraft types.

These are:

- AFM Airplane flight manual
- AMM Airplane maintenance manual
- SB Service bulletin

STANDARD


0 General

0.1 ATA Code

ATA 00 GENERAL

0.2 Effectivity

All serial numbers of Lightwing AC4 and AC4GT

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1 Planning information

1.1 Reason

This service bulletin is published and re-issued whenever any of the relevant publications is affected.

The specific reason for each issue is listed in the amendment sheet on page 1 referring to respective design change processes which are identified by numbers “ADxC-48-DC-xxx” respectively abbreviated as “DC-xxx”.

1.2 Safety Intent

The safety intent is N/A.


Note: the content of specific changes might as well introduce additional safety relevant publications or changes to those in which case specific SB’s are issued for recommended implementation.

1.3 Configuration Description

No technical configuration change is implemented by this Service Bulletin.

Applicable configuration of AMM and AFM and applicable Service Bulletins for specific Models and versions for the AC4/AC4GT is listed in this section.

Note: the initial aircraft configuration (as manufactured by POA), respectively the initially installed design changes, are stated in the appendix to the respective Form 52 issued for the aircraft SN.

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Applicability of Design Changes


		Model →				AC4GT	
		Version →				V01	V02
Design Change (ADxC-48-DC-[xxx])		V01 ¹	V02	V03	V04	V01	V02
DC-001	Original certification	D	I	I	I	-	-
DC-002	V01 to V02	-	D	I	I	-	-
DC-003	Double throttle	-	X	D	I	-	-
DC-005	NLG rings	-	X	X	I	-	-
DC-006	Double throttle dwg updates	-	X	X	I	-	-
DC-008	Water cooler	-	X	X	I	-	-
DC-009	Drawing/manufacturing updates	-	X	X	I	-	-
DC-010	Drawing/manufacturing updates	-	X	X	I	-	-
DC-011	Main tube misaligned holes	-	-	X ²	-	-	-
DC-012	Tie down point under tail	-	X	X	I	-	-
DC-013	Flaps positioning system	-	X	X	I	-	-
DC-014	Fuel indicator	-	X	X	I	-	-
DC-015	Wheel fairing	-	X	X	I	-	-
DC-016	Drawing/manufacturing updates	-	X	X	I	-	-
DC-017	HST strut connection inspection	Superseded by DC-037					
DC-018	drawing/manufacturing updates	-	-	X	I	-	-
DC-019	HST strut connection redesign	Superseded by DC-037					
DC-020	Door and wheel micro change	-	-	X	I	-	-
DC-021	V03 to V04	-	-	-	D	-	-
DC-022	Air tow and Engine update 915iSC	-	-	-	-	D	I
DC-025	Coverings life limit/inspection	-	X	X	X	I	I
DC-027	Editorial (AC4-GT) V01 to V02	-	-	-	-	-	D
DC-030	Windshield material	-	X	X	X	I	I
DC-031	Engine control reconfiguration	-	-	-	-	X	I
DC-032	Battery upgrade	-	X	X	X	X	I
DC-033	Cabin heating system AC4GT	-	-	-	-	X	X
DC-037	HST strut connection	-	X	X	X	X	I

Legend

D	Version defined in this Design change
I	Included in the baseline of this version
X	Applicable design changes
-	Not applicable

¹ V01 was only used for the first AC4 prototype, which is no longer flying. Therefore none of the design changes are considered applicable

² Repair design only applicable to SN006

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1.3 continued

Applicability of Service bulletins

Service bulletin (ADxC-48-SB-[xxx])		AC4				AC4GT	
		V01 ³	V02	V03	V04	V01	V02
SB-001 ⁴	Double throttle conversion	-	DC-003	-	-	-	-
SB-002	Nose Landing Gear Rings	-	DC-005	DC-005	-	-	-
SB-004	exhaust tube	-	DC-010	DC-010	-	-	-
SB-005	Refuel system	-	DC-010	DC-010	-	-	-
SB-006	Tie-down point below tail	-	DC-012	DC-012	-	-	-
SB-007	Dropstop	-	DC-010	DC-010	-	-	-
SB-008	Water cooler	-	DC-008	DC-008	-	-	-
SB-009	Fuel riser	-	DC-010	DC-010	-	-	-
SB-010	Wheel fairing attachment	-	DC-015	DC-015	-	-	-
SB-011	Flaps positioning system	-	DC-013	DC-013	-	-	-
SB-012	<i>ALERT SB - HST strut connection</i>	<i>Superseded by SB-017</i>					
SB-013	Fuel QTY indicator	-	DC-014	DC-014	-	-	-
SB-014	<i>HST-Strut</i>	<i>Superseded by SB-017</i>					
SB-015	Windshield replacement	-	DC-030	DC-030	DC-030	-	-
SB-016	Aerodynamic covering inspection	-	DC-025	DC-025	DC-025	-	-
SB-017	HST strut change	-	DC-037	DC-037	DC-037	DC-037	
SB-018	Approved publications	-	DC-040	DC-040	DC-040	DC-040	DC-040

Legend

DC-[xxx] Publication is part of the configuration, if this design change (DC-[XXX]) is installed
- Publication is not part of the configuration

³ V01 was only used for the first AC4 prototype, which is no longer flying. Therefore none of the design changes are considered applicable

⁴ Lightwing number

1.3 continued

Applicability of Airplane Flight Manual revisions

			Model →				AC4GT	
			Version →				V01	V02
			V01 ⁵	V02	V03	V04	-	-
AFM	(Lightwing doc nr.)	Rev.						
001	N/A	1 st ed.	DC-001	-	-	-	-	-
002	LW-RL-Z-002	Rev. 1	-	DC-002	-	-	-	-
003	LW-RL-Z-002	Rev. 3	-	DC-003	DC-003	-	-	-
013	LW-RL-Z-002	Rev. 3.1	-	DC-013	DC-013	-	-	-
014	LW-RL-Z-002	Rev. 3.3	-	DC-014	DC-014	-	-	-
016	LW-RL-Z-002	Rev. 3.2	-	DC-016	DC-016	-	-	-
019	LW-RL-Z-002	Rev. 3.4	-	DC-019 ⁶	DC-019	-	-	-
021	LW-RL-Z-002	Rev. 4	-	-	-	DC-021 ⁷	-	-
022	LW-RL-Z-006	Rev. 2	-	-	-	-	DC-022	-
032	LW-RL-Z-006	Rev. 3	-	-	-	-	-	DC-032
032-basic	LW-RL-Z-002	Rev. 3.5	-	DC-032	DC-032	DC-032	-	-

Applicability of Maintenance Manual revisions

			Model →				AC4GT	
			Version →				V01	V02
			V01 ⁵	V02	V03	V04	-	-
AFM	(LW doc nr.)	Rev.						
001	N/A	1 st ed.	DC-001	-	-	-	-	-
002	LW-RL-Z-004	Rev. 1	-	DC-002	-	-	-	-
003	LW-RL-Z-004	Rev. 3	-	DC-003	DC-003	-	-	-
010	LW-RL-Z-004	Rev. 4	-	DC-010	DC-010	-	-	-
011-sup	LW-RL-Z-004	A	-	-	DC-011 ⁸	-	-	-
013	LW-RL-Z-004	Rev. 4.1	-	DC-013	DC-013	-	-	-
022	LW-RL-Z-008	Rev. 1	-	-	-	-	DC-022	-
025	LW-RL-Z-004	Rev. 4.2	-	DC-025	DC-025	DC-025	-	-
032	LW-RL-Z-008	Rev. 2	-	-	-	-	-	DC032
032-basic	LW-RL-Z-004	Rev. 4.3	-	DC-032	DC-032	DC-032	-	-

Legend


DC-[xxx] Publication is part of the configuration, if this design change (DC-[XXX]) is installed
 - Publication is not part of the configuration

⁵ V01 was only used for the first AC4 prototype, which is no longer flying. Therefore none of the design changes are considered applicable

⁶ Even though the Design change (DC-019) is superseded by DC-037, the AFM issue 3.4 remains applicable

⁷ Rev 4 not issued (yet), before first production of the first V04

⁸ Repair design only applicable to SN006

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1.4 Compliance

If criteria in Section 0 is met

- Service bulletin must be accomplished
 - This SB could be made mandatory by an EASA AD.
 - This SB is mandatory as per EASA AD no. xyxyx
- Service bulletin recommended to be accomplished to prevent significant operational disruptions
- Service bulletin to introduce improvements
- Service bulletin for convenience or option

Compliance time is at each scheduled and unscheduled maintenance action.

1.5 Approval statement

The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.411.

1.6 Concurrent publications N/A

1.7 Manpower

Approx. 0.25 hour is required to accomplish this SB.


1.8 Weight and Balance N/A

1.9 Electrical load data N/A

1.10 Software modification N/A

1.11 Referenced documentation

1.12 Other publications effected

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2 Material information

2.1 Material- cost – availability N/A

2.2 Company support information N/A

Affected publications can be ordered from

Lightwing AG

Riedenmatt 1

6370 Stans

Switzerland

E-mail: info@lightwing.ch

2.3 Material requirements per aircraft N/A

2.4 Rework parts N/A

2.5 Special tooling N/A

3 Accomplishment/Instructions

- 1) Check airplane AFM and supplements for currency, update if needed
- 2) Check airplane AMM and supplements for currency, update if needed
- 3) Check airplane SB compliance status
- 4) Make a log book entry and add note to aircraft CAW documentation that this Service bulletin has been incorporated.

4 Appendix

NIL