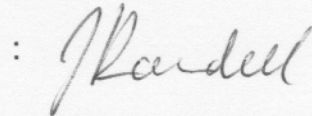


SUPPLEMENT 004
TO THE AIRPLANE FLIGHT MANUAL
DA 62
OPERATION WITHOUT
UNFEATHERING ACCUMULATOR

Doc. No. : 11.01.05-E
Date of Issue of the Supplement : 31-Jan-2019
Design Change Advisories : OÄM 62-030

This supplement to the DA 62 Airplane Flight Manual is approved in accordance with the Canadian Aviation Regulations.

Signature : 
Authority : Chief Flight Test
Transport Canada Civil Aviation
Date of Approval : 30 Apr 2020

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0.1 RECORD OF REVISIONS

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval Note	Date of Approval	Date Inserted	Signature

0.2 LIST OF EFFECTIVE PAGES

Chapter	Page	Date
0	9-O04-1	31-Jan-2019
	9-O04-2	31-Jan-2019
	9-O04-3	31-Jan-2019
	9-O04-4	31-Jan-2019
	9-O04-5	31-Jan-2019
	9-O04-6	31-Jan-2019
1	9-O04-7	31-Jan-2019
2	DOT approved 9-O04-8	31-Jan-2019
3	9-O04-9	31-Jan-2019
4A	9-O04-10	31-Jan-2019
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1. GENERAL

This supplement supplies the information necessary for operation of a DA 62 without propeller unfeathering accumulators.

The information contained in this supplement is to be used in conjunction with the complete AFM. The limitations and information contained herein either supplement or, in the case of conflict, override those in the AFM or its previous temporary revisions.

This supplement is a permanent part of this AFM, and must remain in this AFM at all times if OÄM 62-030 is implemented.

2. OPERATING LIMITATIONS

2.4 POWER-PLANT LIMITATIONS

Items x and y are amended to read:

x) Restart airspeed (starter assisted) : max. 80 KIAS or airspeed for a stationary propeller, whichever is lower

y) Intentional in-flight engine shutdown is prohibited.

2.15 LIMITATION PLACARDS

The following placard is added:

In the Forward View of the Pilot, if OÄM 62-030 is Carried Out

INTENTIONAL IN-FLIGHT ENGINE SHUT-DOWN IS PROHIBITED

3. EMERGENCY PROCEDURES

The following headline is amended to read:

3.7.4 RESTARTING THE ENGINE IN FLIGHT

Restarting the Engine with the Starter

Items 5 and 6 of the checklist are amended to read:

5. ENGINE MASTER of affected engine ON
6. STARTER of the affected engine engage, 5 sec maximum

The NOTE is added, and item 7 is amended to read:

NOTE

Unfeathering of the propeller is done in the restart sequence by building up system oil pressure when cranking the starter.

7. Circuit breakers check/reset if necessary

The following is added:

If engine does not start: wait 30 seconds and proceed with item 6. If engine does not start after 3 attempts, proceed according to AFM Section 3.7.6 - ENGINE FAILURES IN FLIGHT .

Restarting the Engine by Windmilling

The NOTE is added and replaces the content of the paragraph:

NOTE

A windmilling restart is not possible without the unfeathering accumulator (if OÄM 62-030 is carried out).

4A. NORMAL OPERATION PROCEDURES

4A.6 CHECKLISTS FOR NORMAL OPERATING PROCEDURES

4A.6.21 DEMONSTRATION OF ENGINE SHUTDOWN/RESTART

The NOTE is added, and replaces the content of the section:

NOTE

If OÄM 62-030 is carried out, demonstration of an intentional engine shut-down in flight is prohibited.

4B. ABNORMAL OPERATING PROCEDURES

No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

No change.

7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

7.9 POWER PLANT

7.9.2 PROPELLER

Propeller Control

Feathering:

The paragraph is amended to read:

To feather the propeller, the engine must be shut down with the appropriate ENGINE MASTER switch. This will open the electric governor valve. All oil will flow back from the propeller hub, allowing the blades to move into the feathered pitch position.

Feathering is only possible at propeller speeds above 1300 RPM.

CAUTION

If the engine is shut down below 1300 RPM, the propeller pitch remains below the start lock position. In this case, the speed must be increased to increase the propeller RPM.

Unfeathering

The paragraph is amended to read:

To unfeather the propeller, the associated ENGINE MASTER switch must be set to ON. The electric governor valve will be closed. Cranking the engine will build up pressure in the propeller hub, moving the propeller blades towards a low pitch position.

8. AIRPLANE HANDLING, CARE, AND MAINTENANCE

No change.

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