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This summary is for information only and is not D.G.A.C. approved for modification of the aircraft

MODIFICATION NO: 22081K2227 ATA SYSTEM: 21

T I T L E: AIR CONDITIONING - CARGO COMPARTMENT HEATING - REPLACE THE PRESSURE REGULATING VALVE 11HC

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Reports of the AFT cargo-compartment being too cold have been received. This is because the AFT cargo-compartment pressure regulating valve remains in the closed position. When this occurs, no cockpit warnings are activated and the cargo-compartment pressure regulating valve symbol on the ECAM display remains green. Examination of the removed valves has shown several other failure modes, in particular:

- Clogging of the upstream filter.
- Unreliable closing under low pressure.
- Microswitch failures.

EFFECTIVITY

This Service Bulletin is applicable to RJA.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPERCUSSIONS

TFU: None

OEB: None

AOT: None

SIL: None

LIFE LIMIT: None

LINE MAINTENANCE AFFECTED: No

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NATURE OF MODIFICATION

AIRCRAFT: Yes EQUIPMENT: No HARDWARE: No SOFTWARE: No OBRM: No

COMPLIANCE

Optional

MANPOWER

Total manhours: 4.5

Elapsed time (hours): 4.5

MATERIAL INFORMATION

<u>Aircraft Data</u>

Pressure regulating valve

Equipment Data

None

APPENDICES

None

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MODIFICATION NO: 22081K2227 ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - CARGO COMPARTMENT HEATING - REPLACE THE

PRESSURE REGULATING VALVE 11HC

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Model: 320-211

(2) Aircraft

Customer and MSN Qty of Kits

Fleet No.

RJA 003 123 None

(3) Spares

None

B. REASON

(1) History

Reports of AFT the cargo-compartment being too cold have been received. This is because the AFT cargo-compartment pressure regulating valve remains in the closed position. When this occurs, no cockpit warnings are activated and the cargo-compartment pressure regulating valve symbol on the ECAM display remains green. Examination of the removed valves has shown several other failure modes, in particular:

- Clogging of the upstream filter.
- Unreliable closing under low pressure
- Microswitch failures.

(2) Objective/Action

To ensure the correct function of the AFT cargo-compartment heating, a new valve with a different filter system, an improved axis and butterfly design and a modified microswitch actuator will be installed.

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(3) Advantages

The new pressure regulating valve will ensure the correct function.

(4) Accomplishment Timescale

In accordance with the operator's requirements.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists of:

(1) Replacing the pressure regulating valve 11HC.

D. APPROVAL

This Service Bulletin is approved by Direction Generale de l'Aviations Civile - France (D.G.A.C.).

E. MANPOWER

This Service Bulletin may be accomplished in the following approximate manhours and elapsed time:

Manhours/aircraft

Gain access	1.0
Removal/Installation	1.5
Test	1.0
Close-Up Total manhours	1.0 4.5
Elapsed time (hours)	4.5

NOTE: This Service Bulletin assumes that the aircraft has been placed in a maintenance status. The manhours/elapsed time estimates do not include preparation for the modification, nonproductive elapsed time or administrative functions.

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F. MATERIAL - COST AND AVAILABILITY

Free of charge

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

None

I. REFERENCES

Aircraft Maintenance Manual (AMM) 12-34-24, 24-41-00, 21-43-52

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC) 21-43-04, 21-43-52

Aircraft Maintenance Manual (AMM) 21-43-00

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2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

- (1) Preparation
 - (a) Electrically ground the aircraft (Ref. AMM 12-34-24, P. Block 201).
 - (b) Remove the access panel 197BB.

(c) Open, safety and tag this circuit breaker:

PANEL SERVICE IDENT. LOCATION

122VU AIR COND/AFT CARGO VENT AND HTG/CTL
AND/MONG 31HN S20

B. MODIFICATION

WARNING: MAKE SURE THAT NO AIR IS SUPPLIED TO THE AIR-CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR A GROUND SOURCE.

- (1) Replace the pressure regulating valve 11HC.
 - (a) Remove and send to stores the pressure regulating valve B17CA1041, and install the new pressure regulating valve B17CA1042 (Ref. AMM 21-43-52).

C. TEST

- (1) Energize the aircraft electrical circuits (Ref. AMM 24-41-00, P. Block 201).
- (2) Remove the safety clip and tag and close this circuit breaker:

PANEL SERVICE IDENT. LOCATION

122VU AIR COND/AFT CARGO VENT AND HTG/CTL

AND/MONG 31HN S20

(3) Do an operational test (Ref. AMM 21-43-00, P. Block 501).

D. CLOSE-UP

- (1) De-energize the aircraft electrical circuits (Ref. AMM 24-41-00, P. Block 201).
- (2) Make sure that the working area is clean and clear of tools and other items of equipment.
- (3) Install the removed access panel 197BB.

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E. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.

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3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

ITEM NEW P/N DESIGNATION ITEM OLD P/N REMARKS
B17CA1042 Pressure regulating valve B17CA1041

B. LIST OF MATERIALS - OPERATOR SUPPLIED

None

C. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

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