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V2500-A1 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin EV2500-72-0398

Bulletin Initial Issue

Remove

Incorporate
 Pages 1 to 6 of the
 Service Bulletin

Reason for change
 Initial issue

V2500-ENG-72-0398

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

Page Revision Number Revision Date

Bulletin

1	Apr.27/01
2	Apr.27/01
3	Apr.27/01
4	Apr.27/01
5	Apr.27/01
6	Apr.27/01

Printed in Great Britain

V2500-ENG-72-0398
Transmittal - Page 2



ENGINE HP COMPRESSOR SYSTEM – RE-INTRODUCTION OF STANDARD VARIABLE STATOR VANE
SCHEDULE

1. Planning Information

A. Effectivity

- (1) Airbus A320
V2500-A1 Engines
- (2) ATA Locator 72-41-00

B. Concurrent Requirements

None

C. Reason

(1) Condition

Service Bulletin ENG-75-0055 introduced a revised setting procedure for the VSV schedule. In service this procedure has proved prone to error, with the rod being adjusted too far or in the wrong direction.

(2) Background

In service experience has shown that this procedure has been implemented incorrectly on several occasions.

(3) Substantiation

Service Bulletin ENG-75-0055 was introduced to increase HPC stage 4 blade flutter margin. In service experience combined with engine testing has concluded that sufficient flutter margin exists and therefore the modification is no longer required in service.

(4) Objective

Incorporation of the changes introduced by this Service Bulletin (Modification) is designed to simplify the VSV rigging process.

(5) Effect of Bulletin on:

(a) Operation

Not affected



(b) Maintenance

Affected

(c) Overhaul

Affected

(d) Repair Schemes

Not affected

(e) Interchangeability

Not affected

(f) Fits and Clearances

Not affected

D. Description

This Service Bulletin reverts the VSV schedule back to the original setting to reduce the potential for mis-rigging.

The changes introduced are:

The requirement to adjust the actuator to crankshaft control rod by one full turn following rigging to high speed is removed from the VSV schedule.

E. Compliance

Category Code 5

Accomplish when the engine is disassembled sufficiently to afford access to the affected subassembly (i.e. modules, accessories, components, build groups) and to all affected spare subassemblies.

F. Approval

The part number changes and/or part modification described in Section 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the engine models listed.

G. Manpower

(1) In-service

Not affected



(2) At overhaul

Not affected

H. Material Price and Availability

Not applicable

I. Tooling Price and Availability

No special tools required

J. Industry Support Information

Not applicable

K. Weight and Balance

(1) Weight Change

None

(2) Moment Arm

No effect

(3) Datum

Power Plant Station (PPS) 100

L. Electrical Load Data

The aircraft electrical load is not affected by this Service Bulletin

M. Software Accomplishment Summary

Not applicable

N. References

(1) Internal reference 00VR020

(2) This Service Bulletin supersedes the IAE V2500 Service Bulletin that follows:

ENG-75-0055 AIR - VARIABLE STATOR VANE ACTUATOR LINKAGE - INTRODUCTION OF A NEW SETTING PROCEDURE FOR THE RE-SCHEDULING OF THE HP COMPRESSOR VARIABLE VANES.

(3) Engine Manual, 72-00-40, Config-01, Removal-02 and Installation-09, Removal-10 and Installation-11



(4) Aircraft Maintenance Manual:

(a) 75-32-42, Config-01, Removal/Installation (A320)

(b) 75-32-41, Removal/Installation (A320)

0. Other Publications Affected

(1) illustrated Parts Catalogue, (IPC), 1IA, 72-41-34, Fig 07

(2) Engine Manual, 72-00-40, Config-01, Installation-09 and Installation-11 (1IA)

(3) Aircraft Maintenance Manual:

(a) 75-32-41, Installation (A320)

(b) 75-32-42, Config-01, Installation (A320)

P. Interchangeability of Parts

Not affected



2. Material Information

A. The kit required consists of the following parts:

None

B. Parts to be reworked:

None

C. New production parts:

None



3. Accomplishment Instructions

A. Rework Instructions.

None

B. Assembly Instructions.

The revised procedure introduced by this Service Bulletin, should be carried out on engines listed under 1.A. Effectivity. Remove and Install in accordance with current overhaul procedures and maintenance practices (Engine Manual, 72-00-40, Config-01, Removal-02 and Installation-09, Removal-10 and installation-11 and Aircraft Maintenance Manual, 75-32-41, Removal/installation and 75-32-42, Config-01, Removal/installation (A320)).

C. Recording Instructions.

A record of accomplishment is necessary.