



SERVICE BULLETIN

ENGINE – HP TURBINE ROTOR AND STATOR ASSEMBLY – PROVIDE NEW STAGE 2 TURBINE ROTOR HUB
WITH INCREASED FRONT SNAP DIAMETER – CATEGORY CODE 7 – MOD.ENG-72-0145

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320, A321
- (2) Engine: V2500-A5 Engines before Serial No.V10007*

*The serial number data shown is of a preliminary nature and is provided for advanced planning only. A future revision to this Service Bulletin will confirm final serial number effectivity.

B. Reason

(1) Condition

The Stage 2 Turbine Hub must have the specified snap diameter to make sure the original cyclic life limit is kept.

(2) Background

The front snap diameter of the stage 2 Turbine Hub must be increased to make sure that the cyclic life of the part is kept.

(3) Objective

To make sure that the cyclic life for the Stage 2 Turbine Hub is kept.

(4) Substantiation

Satisfactory tests on certification engines.

(5) Effects of Bulletin on Workshop Procedures:

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

None.

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C. Description

- (1) Do a modification of the Stage 2 Turbine Hub to increase the front snap diameter.
- (2) For the effect on declared life see Reference (3), 5-10-01, Group A Parts Lives.

D. Approval

The Part Number Changes and/or part modifications 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 Model listed.

E. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.

G. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul.. .. .	Not applicable

(NOTE: The parts affected by this Service Bulletin are accessible at overhaul)

G. Material - Price and Availability

- (1) Modification Kit not required.
- (2) See "Material Information" section for prices and availability of future spares.

I. Tooling - Price and Availability

None.

J. Weight and Balance

- (1) Weight Change None
- (2) Moment Arm No effect

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- (3) Datum Engine front mount Centerline
(Powerplant station P.P.S.100)

K. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

K. Reference

- (1) Internal Reference No.

92VA071

- (2) Other References

V2500 Engine Illustrated Parts Catalog.

V2500 Standard Practises Manual.

V2500 Engine Manual.

L. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog, 72-45-31, Figure 1, to add the new parts.
- (2) V2500 Engine Manual, Chapter/Section 72-45-31, Cleaning, to add the new parts.
- (3) V2500 Engine Manual, Chapter/Section 72-45-31, Inspection, to add the new parts.
- (4) V2500 Engine Manual, Chapter/Section 72-45-31, Repair, to add the new parts.
- (5) V2500 Engine Manual, Chapter/Section 5-10-01, Group A Parts Lives to add the new parts.
- (6) Repair Schemes VRS3233, VRS3234, VRS3235, VRS3236, VRS3237, VRS3238, VRS3239, and VRS3499 are affected.

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2. Accomplishment Instructions

A. Rework Instructions

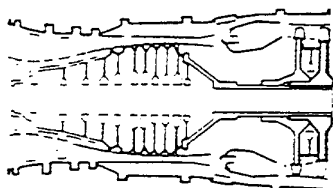
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

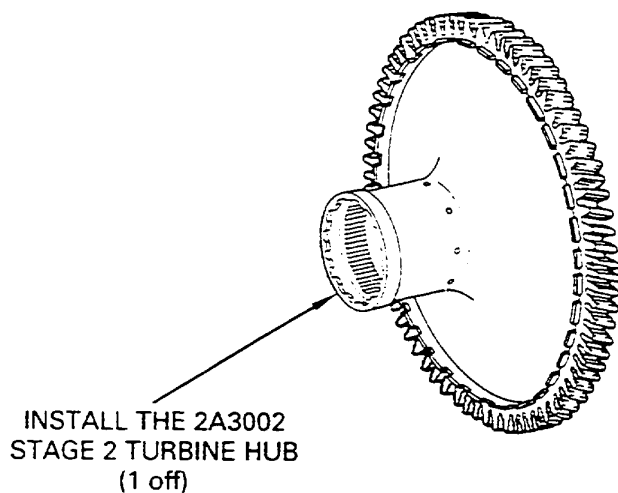
- (1) Install the 2A3002 Stage 2 Turbine Hub by the procedure given in Reference (3), Chapter/Section 72-45-00, Assembly-01. Refer to Figure 2.
- (2) Identify the new Stage 2 Turbine Rotor Assembly as 2A2822. Use the procedure given in Reference (2), Control No./TASK No. 70-09-00-400-501.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Location of the Stage 2 Turbine Hub
Fig.1

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3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty.	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
2A2822 (72-45-30)	1	-	Turbine Rotor Assembly Stage 2	2A2522 (01-010)	(A)(B)(S1) (1D)
2A3002 (72-45-31)	1	-	.Hub, Stage 2 Turbine	2A2302 (01-011)	(C)(B)(S1) (1D)

C. Instruction/Disposition Code Statements:

(S1) Old parts and new parts coded (S1) are directly interchangeable.

(1D) Rework old part number and identify as the new part number.

(A) New part is usually stocked as a spare and is supplied on a quotation basis only.

(B) Old part is no longer available.

(C) New part is currently available.

NOTE: The estimated 1994 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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