



ENGINE - DIFFUSER CASE - PROVIDE REPLACEMENT UNION AND GASKET SEAL AT A.C.A.C. AIR
OFFTAKE - CATEGORY CODE 6 - MOD.ENG-72-0099

1. Planning Information

A. Effectivity

- (1) Aircraft : Airbus A320
- (2) Engine : V2500-A1 Engines prior to Serial No.V0255 except V0253

B. Reason

(1) Condition

Air leakage may take place between the sealing face of the diffuser case, gasket seal and union of the No.4 bearing cooling air tube.

(2) Background

Air leakage was found at the diffuser case sealing face on several instances during 'A' check inspections.

(3) Objective

To prevent air leakage and maintain engine reliability.

(4) Substantiation

Engineering assessment concludes that the items introduced by this Service Bulletin will be satisfactory.

(5) Effects of Service 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

C. Description

- (1) The changes introduced by this Service Bulletin are as follows:

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(a) The existing union is replaced, a new union with improved sealing features is introduced.

(b) The existing gasket seal is replaced, a new gasket seal manufactured in a superior material which gives greater temperature resistance is introduced.

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

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Accomplish when the sub-assembly (ie. modules accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

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

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.

H. Tooling - Price and Availability

Special tools are not required.

I. Weight and Balance

(1) Weight change None

(2) Moment arm No effect

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- (3) Datum Engine front mount centreline (Power Plant Station - PPS100)

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.

EC92VR041

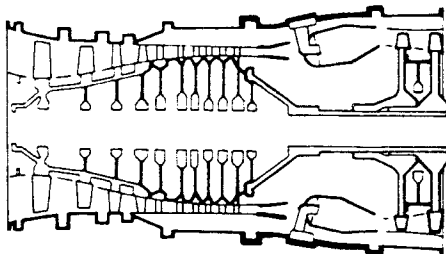
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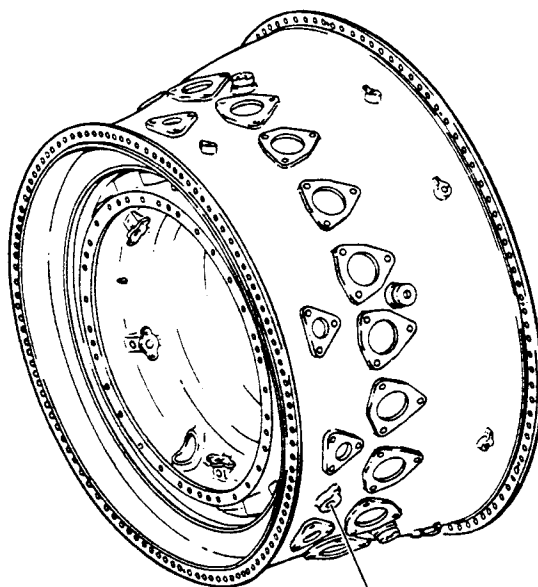
L. Other Publications Affected

- (1) V2500 Illustrated Parts Catalog, 72-42-10.
- (2) V2500 Engine Manual, 72-42-10, Cleaning and Inspection/Check, and 72-42-00, Assembly and Disassembly.

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MODULE 40



REMOVE 5W1225 (or AS3332) GASKET
AND INSTALL 6A4783 GASKET

REMOVE AS27475 UNION AND
INSTALL KU37810 UNION

B3504A

Location of union and gasket seal
Fig.1

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2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

- (1) Assemble new 6A4783 gasket and KU37810 union in place of 5W1225 (or AS3332) gasket and AS27475 union. Install parts by use of approved procedures, Engine Manual 72-42-00 Assembly.

NOTE: The new gasket and union must be replaced in a complete set only.
Do not mix new gasket and union with old gasket and union.

C. Recording Instructions

A record of accomplishment is necessary.



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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
KU37810 (72-42-10)	1		Union, Double-headed	AS27475 (01-030)	(S1)(A)(B)
6A4783 (72-42-10)	1		Gasket	5W1225 (01-050)	(S1)(A)(B) (C)
- (72-42-10)	1		Gasket	AS3332 (01-050)	(S1)(A)(B) (C)

C. Instructions/Disposition Code Statement

- (S1) New parts coded (S1) must replace old parts coded (S1) in a complete set per engine.
(A) New part is currently available
(B) Old part will no longer be available
(C) Alternatives

NOTE: The estimated 1992 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact I.A.E.'s Spare Parts Sales Department for information concerning firm prices.

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