

ENGINE - LP COMPRESSOR - NEW FAN CASE ASSEMBLY WITH IMPROVED ACOUSTIC LINING -
CATEGORY CODE 6 - MOD.ENG-72-0249

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
(b) Airbus A321
(c) McDonnell Douglas MD90
- (2) Engines: (a) V2500-A1 Engines prior to Serial Number V0362
(b) V2522-A5 Engines prior to Serial Number V10246
(c) V2524-A5 Engines prior to Serial Number V10246
(d) V2527-A5 Engines prior to Serial Number V10246
(e) V2530-A5 Engines prior to Serial Number V10246
(f) V2533-A5 Engines prior to Serial Number V10246
(g) V2525-D5 Engines prior to Serial Number V20141
(h) V2528-D5 Engines prior to Serial Number V20141

B. Reason

(1) Condition

Fan case assembly have experienced the perforation skin of the acoustic lining unbond.

(2) Background

Several instances of the perforation skin unbonding has been reported during service.

(3) Objective

To improve the perforation skin and reduce the chances of the skin unbond.

(4) Substantiation

Satisfactory analytical review.

(5) Effects of Bulletin on Workshop Procedures:

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SERVICE BULLETIN

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Affected (See Supplemental Information)
Testing	Not affected

(6) Supplemental Information

(a) The parts introduced by this bulletin must be fitted as a complete engine set.

(b) Repair will be revised to add new configuration of this bulletin.

C. Description

This bulletin introduce the fan case assembly with improved the perforated skin.

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 (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected parts and to all affected spare parts.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	EST,D MANHOURS
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(1) In Service	Not Applicable
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(2) At Overhaul	Not Affected
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(NOTE: The part affected by this Service Bulletin is accessible at overhaul)

G. Material – Price and Availability

(1) Modification kit is not required. Parts are supplied as single line items.

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- (2) See "Material Information" section for prices and availability of future spares.

H. Tooling - Price and Availability

.Special tools are not required to accomplish this Service Bulletin.

I. Weight and Balance

- | | |
|-------------------|--|
| (1) Weight change | Plus 0.4 lb. (0.18 kg) |
| (2) Moment arm | No effect |
| (3) Datum | Engine front mount centreline
(Powerplant station (P.P.S.) 100) |

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.
96VJ027
- (2) Other References
V2500 Engine Manuals, (E-V2500-1IA and E-V2500-3IA)

L. Other Publications Affected

- (1) V2500 Illustrated Parts Catalogs (S-V2500-1IA, S-V2500-2IA and S-V2500-3IA), Chapter/Section 72-32-85.
- (2) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-32-00, Assembly-11, Config-1 and Config-2.
- (3) V2500 Engine Manual (E-V2500-3IA), Chapter/Section 72-32-00, Assembly-11.
- (4) V2500 Engine Manual (E-V2500-1IA, and E-V2500-3IA), Chapter/Section 72-32-85, Cleaning, Inspection and Repair.

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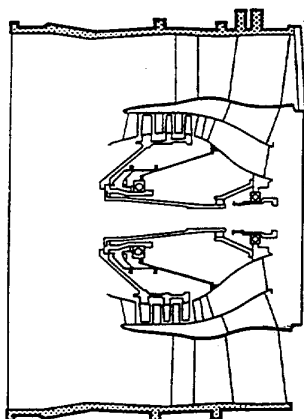
2. Accomplishment Instructions

A. Assembly Instructions

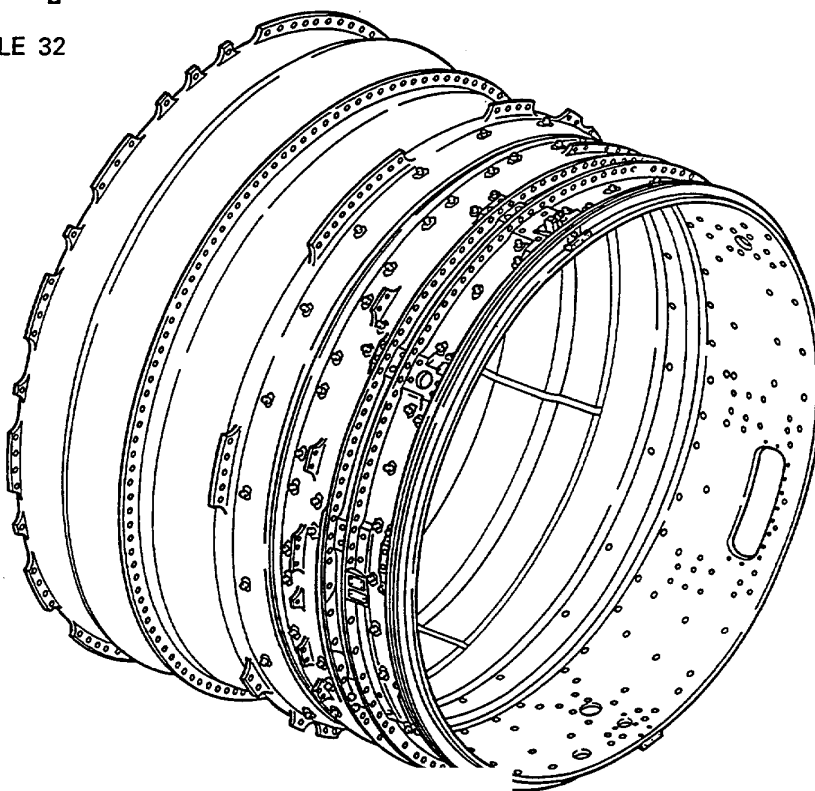
- (1) Assemble new 5W0168 (A1 Engines), 5W0169 (A5 Engines) and 5W0170 (D5 Engines) fan case assembly by use of approved procedures Engine Manual, 72-32-00 Assembly.

B. Recording Instructions

- (1) A record of accomplishment is necessary.



MODULE 32



Location of the Fan Case Assembly
Fig.1

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SERVICE BULLETIN

.Material Informations

Applicability: For each V2500-A1, V2522-A5, V2524-A5, V2527-A5, V2530-A5, V2533-A5, V2525-D5 or V2528-D5 engine to incorporate this Bulletin.

A. Kits associated with this bulletin

None

B. Parts affected by this bulletin

New Part No. (ATA No.)	Est'd Unit Qty	Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions/ Disposition
5W0168 (72-32-85)	1	-	.Case, A/O Fan	5W0124 (01-100)	(S1) (A) (B) (C)
5W0169 (72-32-85)	1	-	.Case, A/O Fan	5W0149 (01-100)	(S1) (A) (B) (C)
5W0170 (72-32-85)	1	-	.Case, A/O Fan	5W0152 (01-100)	(S1) (A) (B) (C)

C. Supply Status Code Statements:

- (A) New part is currently available.
- (B) Old part will no longer be available.
- (C) This part is not normally a provisioned item. Contact IAE Spare Parts Department for a firm quotation.
- (S1) Old and new parts are freely and fully interchangeable, both physically and functionally.

NOTE: The estimated 1996 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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