

ENGINE – MAIN GEARBOX ASSEMBLY – REWORK THE IDG HOUSING ASSEMBLY AND THE RADIAL GEAR SUPPORT ASSEMBLY TO IMPROVE CLEARANCE REQUIREMENT – CATEGORY CODE 6 – MOD.ENG-72-0012

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines Prior to Serial Number V0086

B. Reason

(1) Condition

- (a) Interference may occur between the ribs of the IDG drive housing and the support of the main gearbox.
- (b) Interference may occur between the oil shroud of the bevel gear and the support of the radial gear.

(2) Background

This condition was observed during the assembly.

(3) Objective

To prevent a possible interference.

(4) Substantiation

Substantiation test is not required.

(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

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None

C. Description

The changes introduced by this Service Bulletin are as follows:

- Material has been removed from the ribs of the IDG drive housing.
- Material has been removed from two bosses of the radial gear support.

D. Approval

The part number changes and part modifications described in Section 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulation and are FAA-APPROVED for the Engine Model listed.

E. Compliance

Category Code 6

Accomplish when the subassembly (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 man-hours to incorporate the full intent of this Bulletin:

Venue	Estimated Man-hours
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(1) In service	Not applicable
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(2) At overhaul	TOTAL: 52 minutes
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(Note: The parts affected are accessible at overhaul.)

(a) To rework the IDG drive housing	32 minutes
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(b) To rework the radial gear support	20 minutes
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G. Material - Price and Availability

(1) Modification Kit is not required

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

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H. Tooling - Price and Availability

Special tools are not required to accomplish this Service Bulletin.

I. Weight and Balance

- | | | | | |
|-------------------|----|----|----|---|
| (1) Weight change | .. | .. | .. | No significant |
| (2) Moment arm | .. | .. | .. | No effect |
| (3) Datum | | | | Engine front mount centerline
(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.
- EC88VF081
- (2) Other References
- The V2500 Engine Manual, 72-60-10, Disassembly, TASK 72-60-10-040-055.
- The V2500 Engine Manual, 72-60-42, Disassembly, TASK 72-60-42-040-052
- The V2500 Engine Manual, 72-60-10, Assembly TASK 72-60-10-440-063
- The V2500 Engine Manual, 72-60-42, Assembly TASK 72-60-42-440-057

L. Other Publications Affected

- (1) The V2500 Illustrated Parts Catalog, Chapter/Section 72-60-28 and 72-60-42 to add the new parts.



2. Accomplishment Instructions

A. Rework Instructions

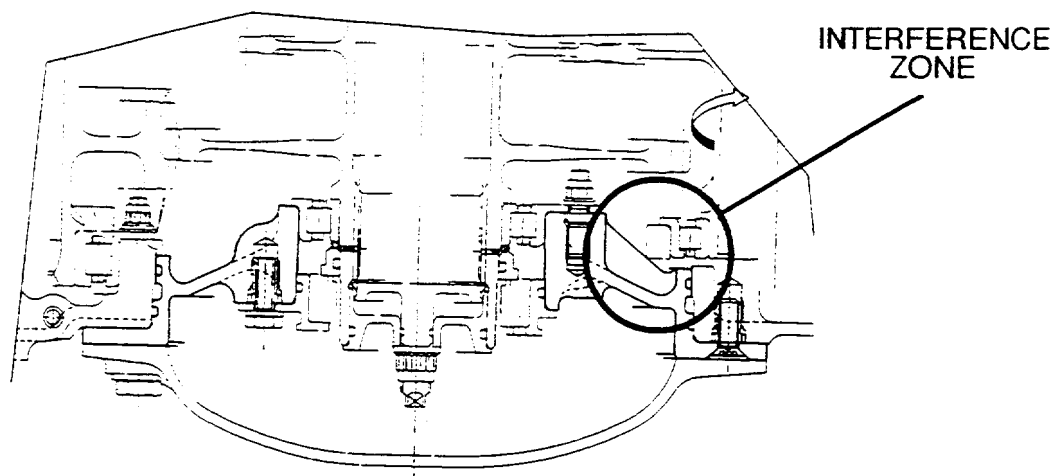
- (1) Remove the IDG housing. Refer to the approved procedure in Reference (1).
 - (a) Rework the IDG drive housing ribs (3 off) as shown in Figure 1.
- (2) Remove the radial gear support. Refer to the approved procedure in Reference (2).
 - (a) Rework the radial gear support as shown in Figure 2.

B. Assembly Instructions

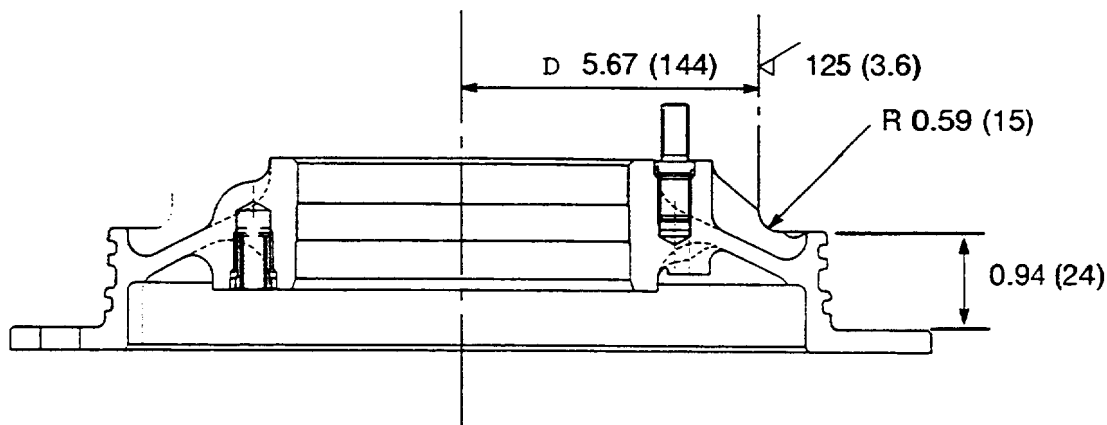
- (1) Install the IDG housing by the approved procedure in Reference (3).
- (2) Install the radial gear support by the approved procedure in Reference (4).

C. Recording Instructions

- (1) A record of accomplishment is necessary.



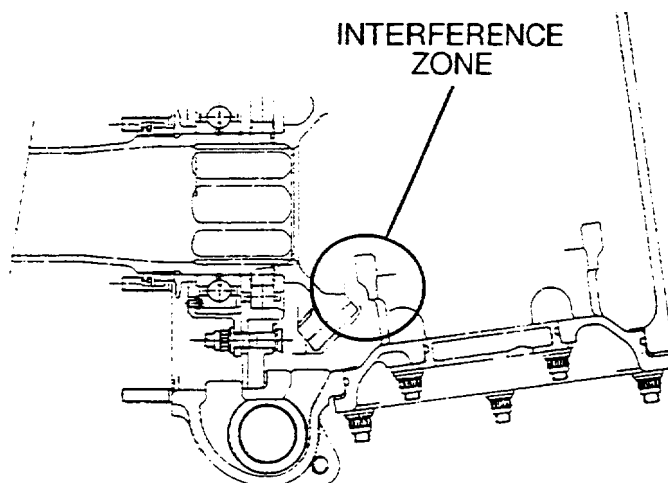
- NOTE: - MARK 4B0271 AND CROSS OUT 4B0161
- PROTECT MARKING WITH RESIN VERNISH
USE CoMat 07-050
- TOUCH UP THE REWORKED AREAS.
USE CoMat 07-028



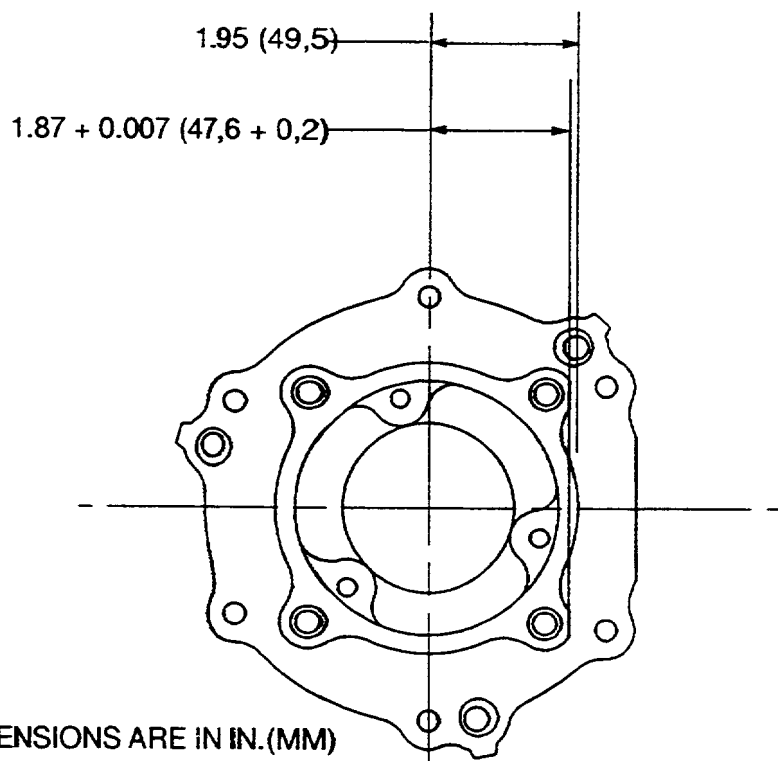
ALL DIMENSIONS ARE IN IN (MM)

Rework the ribs of the IDG drive housing
Fig.1

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- NOTE: - MARK 4B0272 AND CROSS OUT 4B0211
- PROTECT MARKING WITH RESIN VARNISH
USE CoMat 07-050
- TOUCH UP REWORKED AREAS
USE CoMat 07-028



ALL DIMENSIONS ARE IN IN.(MM)

Rework the bosses of the radial gear support
Fig.2

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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.)	Instruction Disposition
4B0271 (72-60-28)	1	2245.00	.Housing, A/O IDG	4B0161 (01-450)	(A) (B)
4B0272 (72-60-42)	1	1508.00	.Support, A/O Radial Gear	4B0211 (01-230)	(A) (B)

C. Instructions/Disposition Code Statements:

(A) New part is currently available for sale.

(B) Old part will no longer be available for sale.

NOTE: The estimated 1993 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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