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V2500-A1/A5/D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0948.

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 11 of the Service Bulletin.	Initial Issue.
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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
If any have not been received please advise IAE International Aero Engines AG

INFORMATION – EXTERNAL GEARBOX MODULE – INTRODUCTION OF ALTERNATIVE BEARINGS**1. Planning Information****A. Effectivity****(1) Airbus A319**

(a) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V13120 (A5 Standard, A5 SelectOne™ Retrofit Standard).

(b) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V15030 (A5 SelectOne™ Production Standard).

(2) Airbus A320

(a) ALL V2500-A1 Engines

(b) V2527-A5, V2527E-A5 Engines prior to Serial No. V13120 (A5 Standard, A5 SelectOne™ Retrofit Standard).

(c) V2527-A5, V2527E-A5 Engines prior to Serial No. V15030 (A5 SelectOne™ Production Standard).

(3) Airbus A321

(a) V2530-A5, V2533-A5 Engines prior to Serial No. V13120 (A5 Standard, A5 SelectOne™ Retrofit Standard).

(b) V2530-A5, V2533-A5 Engines prior to Serial No. V15030 (A5 SelectOne™ Production Standard).

(4) Boeing MD-90

(a) ALL V2500-D5 Engines.

B. Reason

To announce the availability of new alternative bearings.

C. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.

D. Approval

The part number changes and/or part modifications described in Sections 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.

E. General Information

- (1) The Material Information Section of this Service Bulletin provides the latest information concerning the affected parts.

F. References

- (1) IAE Engineering Change No. 07VF002, 07VF002-01 and 07VF002A.
(2) ATA Locator: 72-60-00.

G. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalogue, Chapters 72-60-22, 72-60-23, 72-60-24, 72-60-25, 72-60-26, 72-60-27, 72-60-28, 72-60-29, 72-60-33, 72-60-42, 72-60-43, will be revised to include the new part numbers. Refer to Section 2. "Material Information" for ATA Location.
- (2) The V2500 Engine Manual (E-2500-1IA) Chapter 72-60-22 Cleaning (Tasks 72-60-22-100-000, 72-60-22-100-005), 72-60-23 Cleaning (Tasks 72-60-23-100-000, 72-60-23-100-003), 72-60-24 Cleaning (Tasks 72-60-24-100-000, 72-60-24-100-003), 72-60-25 Cleaning (Tasks 72-60-25-100-000, 72-60-25-100-003), 72-60-26 Cleaning (Tasks 72-60-26-100-000, 72-60-26-100-002), 72-60-27 Cleaning (Tasks 72-60-27-100-000, 72-60-27-100-002), 72-60-28 Cleaning (Tasks 72-60-28-100-000, 72-60-28-100-005), 72-60-29 Cleaning (Tasks 72-60-29-100-000, 72-60-29-100-004), 72-60-33 Cleaning (Tasks 72-60-33-100-000, 72-60-33-100-004), 72-60-42 Cleaning (Tasks 72-60-42-100-000, 72-60-42-100-004), 72-60-43 Cleaning (Tasks 72-60-43-100-000, 72-60-43-100-003), will be revised to include the new part numbers. Refer to Section 2. "Material Information" for ATA Location.

- (3) The V2500 Engine Manual (E-2500-1IA) Chapter 72-60-22 Inspection/Check (Tasks 72-60-22-200-000, 72-60-22-200-006), 72-60-23 Inspection/Check (Tasks 72-60-23-200-000, 72-60-23-200-005), 72-60-24 Inspection/Check (Tasks 72-60-24-200-000, 72-60-24-200-003, 72-60-24-200-004), 72-60-25 Inspection/Check (Tasks 72-60-25-200-000, 72-60-25-200-005, 72-60-25-200-006), 72-60-26 Inspection/Check (Tasks 72-60-26-200-000, 72-60-26-200-002, 72-60-26-200-003), 72-60-27 Inspection/Check (Tasks 72-60-27-200-000, 72-60-27-200-002), 72-60-28 Inspection/Check (Tasks 72-60-28-200-000, 72-60-28-200-005, 72-60-28-200-006), 72-60-29 Inspection/Check (Tasks 72-60-29-200-000, 72-60-29-200-004, 72-60-29-200-005), 72-60-33 Inspection/Check (Tasks 72-60-33-200-000, 72-60-33-200-004), 72-60-42 Inspection/Check (Tasks 72-60-42-200-000, 72-60-42-200-004), 72-60-43 Inspection/Check (Tasks 72-60-43-200-000, 72-60-43-200-003), will be revised to include the new part numbers. Refer to Section 2. "Material Information" for ATA Location.

2. Material Information

A. Parts affected by this Service Bulletin:

For V2500-A5/A1 Engines:

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-60-22						
01-220	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-500	4T0095	REF	.Bearing, Roller	-	4T0091 or 4T0093 or 4T0094	(A)(S1)
72-60-23						
01-400	4T0122	REF	.Bearing, Roller	-	4T0121 or 4T0123 or 4T0124	(A)(S1)
01-640	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
72-60-24						
01-100	4T0055	REF	.Bearing, Roller	-	4T0051 or 4T0053 or 4T0054	(A)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-280	4T0045	REF	.Bearing, Roller	-	4T0041 or 4T0043 or 4T0044	(A)(S1)
72-60-25						
01-180	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-290	4T0122	REF	.Bearing, Roller	-	4T0121 or 4T0123 or 4T0124	(A)(S1)
72-60-26						
01-100	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-180	4T0122	REF	.Bearing, Roller	-	4T0121 or 4T0123 or 4T0124	(A)(S1)
72-60-27						
01-100	4T0065	REF	.Bearing, Roller	-	4T0121 or 4T0123 or 4T0124	(A)(S1)



FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-220	4T0065	REF	.Bearing, Roller	-	4T0121 or 4T0123 or 4T0124	(A)(S1)
72-60-28						
01-590	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
72-60-33						
01-280	4T0185	REF	.Bearing, Roller	-	4T0181 or 4T0183 or 4T0184	(A)(S1)
01-320	4T0185	REF	.Bearing, Roller	-	4T0181 or 4T0183 or 4T0184	(A)(S1)
72-60-42						
01-340	4T0015	REF	.Bearing, Roller	-	4T0011 or 4T0013 or 4T0014	(A)(S1)
01-350	4T0025	REF	.Bearing, Roller	-	4T0021 or 4T0023 or 4T0024	(A)(S1)



FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-430	4T0015	REF	.Bearing, Roller	-	4T0011 or 4T0013 or 4T0014	(A)(S1)
72-60-43						
01-240	4T0175	REF	.Bearing, Roller	-	4T0171 or 4T0173 or 4T0174	(A)(S1)
01-400	4T0025	REF	.Bearing, Ball	-	4T0021 or 4T0023 or 4T0024	(A)(S1)

For V2500-D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-60-22						
01-220	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-500	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)
72-60-23						
01-400	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-640	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)
72-60-24						
01-100	4T0055	REF	.Bearing, Roller	-	4T0051 or 4T0053 or 4T0054	(A)(S1)
01-280	4T0175	REF	.Bearing, Roller	-	4T0171 or 4T0173 or 4T0174	(A)(S1)
72-60-25						
01-180	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-290	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)
72-60-26						
01-100	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-180	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
72-60-27						

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-100	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-220	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)
72-60-28						
01-370	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
01-590	4T0075	REF	.Bearing, Roller	-	4T0071 or 4T0073 or 4T0074	(A)(S1)
72-60-29						
01-250	4T0315	REF	.Bearing, Roller	-	4T0267 or 4T0268	(A)(S1)
01-490	4T0316	REF	.Bearing, Roller	-	4T0282 or 4T0283	(A)(S1)
72-60-33						
01-280	4T0185	REF	.Bearing, Roller	-	4T0181 or 4T0183 or 4T0184	(A)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-320	4T0185	REF	.Bearing, Roller	-	4T0181 or 4T0183 or 4T0184	(A)(S1)
72-60-42						
01-340	4T0015	REF	.Bearing, Roller	-	4T0011 or 4T0013 or 4T0014	(A)(S1)
01-350	4T0025	REF	.Bearing, Roller	-	4T0021 or 4T0023 or 4T0024	(A)(S1)
01-430	4T0274	REF	.Bearing, Roller	-	4T0262 or 4T0263	(A)(S1)
72-60-43						
01-240	4T0175	REF	.Bearing, Roller	-	4T0171 or 4T0173 or 4T0174	(A)(S1)
01-400	4T0025	REF	.Bearing, Ball	-	4T0021 or 4T0023 or 4T0024	(A)(S1)

B. Instruction/Disposition Codes:

(A) New parts are currently available.

(S1) Old and new parts are freely and fully interchangeable, both physically and functionally.

3. Accomplishment Instructions

None.

INFORMATION – EXTERNAL GEARBOX MODULE – INTRODUCTION OF ALTERNATIVE BEARINGSSUPPLEMENT – PRICES AND AVAILABILITY

The prices (if shown) are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE spares and/or current price catalogue for current prices.

1. Modification Kit:

Not applicable, parts supplied as single line items.

2. New Production Parts:

Part No.	Description	Unit Price US Dollars
4T0015	Bearing, Roller	4,595.00
4T0025	Bearing, Ball	3,298.00
4T0045	Bearing, Roller	5,748.00
4T0055	Bearing, Roller	5,493.00
4T0065	Bearing, Roller	2,702.00
4T0075	Bearing, Roller	2,679.00
4T0095	Bearing, Roller	3,029.00
4T0122	Bearing, Roller	2,743.00
4T0175	Bearing, Roller	5,537.00
4T0185	Bearing, Roller	4,338.00
4T0274	Bearing, Roller	9,826.00
4T0315	Bearing, Roller	9,160.00
4T0316	Bearing, Roller	3,975.00

Parts are currently available for sale.

3. Tools

None.