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DATE: Aug. 8/11

V2500-A1/A5 SERIES PROPULSION SYSTEM SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0950.

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 6 of the Service Bulletin.	Initial Issue.
	Page 1 of the Supplement.	Initial Issue.

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Transmittal - Page 1 of 1

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED  
If any have not been received please advise IAE International Aero Engines AG

INFORMATION – EXTERNAL GEARBOX – INTRODUCTION OF NEW HOUSINGS WITH A CONFORMING PART  
NUMBER FOR SCREW THREAD INSERTS

1. Planning Information

A. Effectivity

(1) Airbus A319

- (a) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial Number V13191 (A5 Standard, SelectOne™ Retrofit Standard).
- (b) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial Number V15326 (SelectOne™ Production Standard).

(2) Airbus A320

- (a) ALL V2500-A1 Engines.
- (b) V2524-A5, V2527-A5, V2527E-A5 Engines prior to Serial Number V13191 (A5 Standard, SelectOne™ Retrofit Standard).
- (c) V2524-A5, V2527-A5, V2527E-A5 Engines prior to Serial Number V15326 (SelectOne™ Production Standard).

(3) Airbus A321

- (a) V2530-A5, V2533-A5 Engines prior to Serial Number V13191 (A5 Standard, SelectOne™ Retrofit Standard).
- (b) V2530-A5, V2533-A5 Engines prior to Serial Number V15326 (SelectOne™ Production Standard).

B. Reason

To announce the availability of the following two types of parts, that supersede those introduced with SB V2500-ENG-72-0492:

- (1) Screw thread inserts with a new conforming part number
- (2) Housings which contain the new screw head inserts

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Accomplish when supply of superseded parts has been depleted.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 section 2 and 3 of this Modification Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Models Listed.

**E. General Information**

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

**F. References**

- (1) IAE Engineering Change Numbers: 04VF005B and 04VF005B-01.
- (2) ATA Locators: 72-60-00 and 79-22-48.

**G. Other Publications Affected**

- (1) The V2500 Engine Illustrated Parts Catalogue, Chapters 72-60-21, 72-60-22, 72-60-23, 72-60-25, 72-60-28, 72-60-32, 72-60-41, 72-60-42, 79-22-48 will be revised to include the new part numbers. Refer to Section 2. "Material Information" for ATA Location.
- (2) The V2500 Engine Manual (E-V2500-1IA) Chapter 72-60-22 Inspection/Check (TASK 72-60-22-200-002), 72-60-23 Inspection/Check (TASK 72-60-23-200-001), 72-60-25 Inspection/Check (TASK 72-60-25-200-001), 72-60-28 Inspection/Check (TASK 72-60-28-200-002), 72-60-32 Inspection/Check (TASK 72-60-32-200-001), 72-60-42 Inspection/Check (TASK 72-60-42-200-002) will be revised to include the new part numbers and the repairs that are required for the new part numbers.

## 2. Material Information

### A. Parts affected by this Service Bulletin:

Applicability for V2500-A1/A5 Engines:

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-60-21						
01-240	4W0002	2	Nut, Self Locking	-	4W1246	(A)(B)(S1)
02-710	MS51990 E105P	2	Ring, Lock	-	-	(A)
02-770	MS51990 E105P	2	Ring, Lock	-	-	(A)
72-60-22						
01-300	4B0371	1	Housing, A/O Starter	-	4B0349	(A)(B)(S1)(S2)
01-360	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
72-60-23						
01-460	4B0372	1	Housing, A/O Hydraulic Pump	-	4B0350	(A)(B)(S1)(S2)
01-500	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
72-60-24						
01-200	MS51990 E105P	1	Ring, Lock	-	-	(A)
72-60-25						
01-210	4B0373	1	Housing, A/O Fuel Pump Drive	-	4B0351	(A)(B)(S1)(S2)
01-230	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-60-28						
01-450	4B0370	1	Housing, A/O IDG	-	4B0348	(A)(B)(S1)(S2)
01-550	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
72-60-32						
01-300	4B0374	1	Support, A/O Angle Gearbox	-	4B0353	(A)(B)(S1)(S2)
01-320	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
01-500	4T0318	2	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
72-60-41						
01-500	-	2	Ring. Lock	-	MS51990 E105P	(B)
01-510	MS21209 F4-20L	2	Insert	-	MS51551 C205-10	(A)(B)(S1)
72-60-42						
01-230	4B0375	1	Support, A/O Radial Gear	-	4B0355	(A)(B)(S1)(S2)
01-240	4T0318	3	Insert, Screw Thread	-	1518M33 P01	(A)(B)(S1)(S3)
79-22-48						
02-200	4W1246	2	Bolt	-	4W0002	(A)(B)(S1)

#### B. Instruction/Disposition Codes:

(A) New part is currently available.

(B) The old part will be discontinued.

(S1) Old and new parts are not interchangeable. The new part can replace the old part but the old part can not replace the new part.

(S2) Parts coded (S2) can be installed on gearboxes that do not incorporate Service Bulletin V2500-ENG-72-0492. See 3.B Accomplishment Instructions of this Service Bulletin.

(S3) Parts coded (S3) can be replaced only if the next higher assembly is in compliance of Service Bulletin V2500-ENG-72-0492 or of this Service Bulletin.

### 3. Accomplishment Instructions

#### A. Rework Instructions

- (1) None.

#### B. Assembly Instructions

It is possible to install any of the main assembly parts introduced with this Service Bulletin and coded as (S2) on gearboxes at pre Service Bulletin V2500-ENG-72-0492 standard. The accomplishment instructions provided by Service Bulletin V2500-ENG-72-0492 can be read across as follows.

- (1) Part number 4B0371: refer to assembly instructions (7) of Service Bulletin V2500-ENG-72-0492.
- (2) Part number 4B0372: refer to assembly instructions (8) of Service Bulletin V2500-ENG-72-0492.
- (3) Part number 4B0373: refer to assembly instructions (10) of Service Bulletin V2500-ENG-72-0492.
- (4) Part number 4B0370: refer to assembly instructions (11) of Service Bulletin V2500-ENG-72-0492.
- (5) Part number 4B0374: refer to assembly instructions (13) of Service Bulletin V2500-ENG-72-0492.
- (6) Part number 4B0375: refer to assembly instructions (15) of Service Bulletin V2500-ENG-72-0492.

#### C. Recording Instructions

- (1) A record of accomplishment is required.

**NOTE:** For engines of Pre Service Bulletin V2500-ENG-72-0492 standard incorporating this Service Bulletin in full or partially, it is also required to record the incorporation of Service Bulletin V2500-ENG-72-0492 into the Engine Log Book.

INFORMATION – EXTERNAL GEARBOX – INTRODUCTION OF NEW HOUSINGS WITH A CONFORMING PART  
NUMBER FOR SCREW THREAD INSERTS

SUPPLEMENT – 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 catalog for current prices.

1. Modification kit:

Not applicable, parts supplied as single line items.

2. New Production Parts:

Part No.	Desc.	Unit Price (US Dollars)
4B0371	Housing, A/O Starter	6,530.00
4B0372	Housing, A/O Hydraulic Pump	5,435.00
4B0373	Housing, A/O Fuel Pump Drive	4,683.00
4B0370	Housing, A/O IDG	5,670.00
4B0374	Support, A/O Angle Gearbox	39,530.00
4B0375	Support, A/O Radial Gear	4,649.00
4T0318	Insert, Screw Thread	146.00
4W0002	Nut, Self Locking	4.59
4W1246	Bolt	18.40
MS21209	Insert	3.42
F4-20L		

Parts are currently available for sale.

3. Tools:

None.





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- General quality rating of this Service Bulletin	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
- Quality rating of the Accomplishment Instructions	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
- Quality rating of the Illustration	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
- Is this Service Bulletin easy to understand ?	<input type="checkbox"/> Yes		<input type="checkbox"/> No		

If you have had difficulties to perform this Service Bulletin please quote below the area(s) and give a short description of the issue:

Planning Information Section:		Material Information Section:	Accomplishment Instruction Section:
<input type="checkbox"/> 1.A.	<input type="checkbox"/> 1.I.	<input type="checkbox"/> 2.A.	<input type="checkbox"/> General
<input type="checkbox"/> 1.B.	<input type="checkbox"/> 1.J.	<input type="checkbox"/> 2.B.	<input type="checkbox"/> Get Access
<input type="checkbox"/> 1.C.	<input type="checkbox"/> 1.K.	<input type="checkbox"/> 2.C.	<input type="checkbox"/> Removal/Installation
<input type="checkbox"/> 1.D.	<input type="checkbox"/> 1.L.	<input type="checkbox"/> 2.D.	<input type="checkbox"/> Inspection
<input type="checkbox"/> 1.E.	<input type="checkbox"/> 1.M.	<input type="checkbox"/> 2.E.	<input type="checkbox"/> Test
<input type="checkbox"/> 1.F.	<input type="checkbox"/> 1.N.	<input type="checkbox"/> 2.F.	<input type="checkbox"/> Close the Access
<input type="checkbox"/> 1.G.	<input type="checkbox"/> 1.O.		<input type="checkbox"/> Log Book Entry
<input type="checkbox"/> 1.H.	<input type="checkbox"/> 1.P.		

Explanatory notes:

Operator:	Overhaul Site:
Name/Title:	Date:

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