



STANDARD PRACTICES - ENGINE - INFORMATION - ENGINE - AIR - TO ANNOUNCE A NEW HPT/LPT
ACC VALVE ACTUATOR ASSEMBLY WITH IMPROVED PIN RETENTION FEATURES - CATEGORY CODE 7 -
MOD.ENG-70-0281

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
(b) Airbus A321
- (2) Engine: (a) V2500-A1
(b) V2527-A5
(c) V2530-A5

B. Reason

To introduce a new HPT/LPT ACC Valve Actuator Assembly with new casting body. This HPT/LPT ACC Valve Actuator Assembly eliminates servo valve pin retainer by changing shape of casting body.

C. Compliance

Category Code 7

Accomplish when supply of superseded parts has been depleted.

D. Approval

The part number transactions shown under the Material Information portion of this Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

E. Reference

- (1) Internal Reference No.

92VJ126

- (2) Other References

Parker Hannifin Service Bulletin No. 5860017-75-86

F. General Information

- (1) The Material Information portion of this Bulletin provides the latest information concerning the availability of the new HPT/LPT ACC Valve Actuator Assembly.
- (2) Publications Affected

V2500-ENG-70-0281



International Aero Engines
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(a) The V2500 Engine Illustrated Parts Catalog, Chapter/Section 75-24-52.

(b) The V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 75-24-52.

G. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Supply Status
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For V2500-A1 Engines:

5860017-126	1		.Actuator, Valve HPT/LPT ACC	5860017-121	(S1)(1D)
IAE PN 5W2287				IAE PN 5W2276	
(75-24-52)				(01-100)	
5860017-127	1		.Actuator, Valve HPT/LPT ACC	5860017-122	(S1)(1D)
IAE PN 5W2288				IAE PN 5W2277	
(75-24-52)				(01-100)	
5860017-128	1		.Actuator, Valve HPT/LPT ACC	5860017-123	(S1)(1D)
IAE PN 5W2289				IAE PN 5W2278	
(75-24-52)				(01-100)	
5860017-129	1		.Actuator, Valve HPT/LPT ACC	5860017-124	(S1)(1D)
IAE PN 5W2290				IAE PN 5W2279 (A)(B)	
(75-24-52)				(01-100)	

For V2527-A5 and V2530-A5 Engines:

5860017-129	1		.Actuator, Valve HPT/LPT ACC	5860017-124	(S1)(1D)
IAE PN 5W2290				IAE PN 5W2279 (A)(B)	
(75-24-52)				(01-100)	

H. Supply Status Code Statements:

- (A) New part is currently available for sale.
- (B) Old part is no longer be available for sale.
- (S1) Old and new parts are freely and fully interchangeable, both physically and functionally.
- (1D) Old part may be reworked and re-identified to the new part number.

NOTE: The estimated 1995 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.

Printed in Great Britain

V2500-ENG-70-0281

SERVICE BULLETIN

AIR	V2500 - HPT/LPT ACC ACTUATOR	INCORPORATION OF NEW ACTUATOR BODY
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1. Planning Information

A. Effectivity

- (1) This service bulletin is applicable to the HPT/LPT ACC Actuator (hereinafter referred to as the Actuator), part number (P/N) 5860017-115 through -124, installed on the IAE V2500 series engine.

B. Reason

- (1) This service bulletin is issued to inform operators of improvements to the P/N 5863080 body assembly installed on the P/N 5860017 Actuator. These improvements are as follows:
 - (a) A boss has been added to the casting body which allows for the elimination of the servo pin retainer from the Actuator.
 - (b) Additional material has been added to the body assembly to improve strength and wear characteristics.

C. Description

- (1) This service bulletin provides information for operators to perform the following:
 - (a) Removal and replacement instructions for the P/N 5863080 body assembly.
 - (b) Instructions to return the Actuator to Parker Hannifin Corporation for implementation of this service bulletin.

D. Compliance

- (1) This service bulletin is classified as a Life Extension for the Actuator as defined by the ATA Implementation Guideline Manual (IGM) April 1976. Parker Hannifin Corporation recommends that this service bulletin be accomplished when supply of superseded parts has been depleted.

E. Approval

- (1) This service bulletin has been reviewed by the Federal Aviation Administration (FAA), and the modifications herein comply with the applicable Federal Aviation Regulations (FAR) and are FAA approved for installation in the IAE V2500 engines.

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F. Manpower

- (1) Man-hour estimates listed in Table 1 are based on one individual performing each of the tasks listed and do not include the time to remove the Actuator from the engine. Estimates shown are for each Actuator.

Man-Hours
Table 1

TASK	MAN-HOURS
1. Disassemble Actuator	1.5
2. Assemble Actuator with new body assembly.	2.5
3. Perform required tests in accordance with the CMM.	1.5
4. Reidentification	0.5
TOTAL	6.0

G. Material - Cost and Availability

- (1) A kit, P/N 5KIT5860017-101, is required to accomplish this service bulletin. Operators may order the kit from Parker Hannifin Corporation at a cost of \$4150.00. The kit will be delivered within 90 days ARO. The kit may be ordered from:

PARKER HANNIFIN CORPORATION	PHONE:	(714) 833-3000
Customer Support Commercial	FAX:	(714) 660-8390
16666 Von Karman Avenue	TELEX:	678304
Irvine, California 92714	SITA:	JNPPHCR
USA		

- (2) Operators who want this service bulletin accomplished by Parker Hannifin Corporation may forward the Actuators to the address referenced in paragraph 1.G.(1). The cost for accomplishment of this service bulletin is \$4570.00 with a turnaround time of 30 days ARO.

H. Tooling - Price and Availability

- (1) Not applicable.

I. Weight and Balance

- (1) Incorporation of this service bulletin may increase the weight of the Actuator up to 0.06 lbs.

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J. Electrical Load Data

(1) Not affected.

K. Software Accomplishment Summary

(1) Not applicable.

L. References

(1) This service bulletin is to be used with the following documents:

(a) Parker Hannifin Corporation Component Maintenance Manual (CMM) 75-24-52.

(b) IAE Service Bulletin V2500-ENG-70-0281.

M. Other Publications Affected

(1) CMM 75-24-52 will be revised to add the information contained in this service bulletin at the next scheduled revision.

N. Family Tree

Family Tree
Table 2

OLD CONFIGURATION NO.	IAE PART NO.	NEW CONFIGURATION NO.	IAE PART NO.
5860017-115/-120	5W2257/75	5860017-125	5W2286
5860017-116/-121	5W2258/76	5860017-126	5W2287
5860017-117/-122	5W2259/77	5860017-127	5W2288
5860017-118/-123	5W2260/78	5860017-128	5W2289
5860017-119/-124	5W2261/79	5860017-129	5W2290

2. Accomplishment InstructionsA. Disassemble the Actuator to remove the body assembly in accordance with CMM 75-24-52 DISASSEMBLY section.B. Assemble the Actuator with the new body assembly, P/N 5863080-106, in accordance with CMM 75-24-52 ASSEMBLY section.**NOTE:** Do not assemble Actuator with the servo pin retainer, P/N 5913319-101. Improvements in the body assembly have allowed for this item to be deleted.C. Perform full functional testing in accordance with CMM 75-24-52 TESTING AND FAULT ISOLATION section.

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D. Reidentification

(1) After completion of this service bulletin, reidentify the Actuator as follows:

(a) 5860017- 115 , -120 (IAE 5W2257/75):

P/N 5860017- 125	REV R
P/L 5861017- 113	REV R
ACD NO 424JM BLD STD	53
IAE P/N 5W2286	

(b) 5860017-116, -121 (IAE 5W2258/76):

P/N 5860017- 126	REV R
P/L 5861017- 114	REV R
ACD NO 424JM BLD STD	54
IAE P/N 5W2287	

(c) 5860017-117, -122 (IAE 5W2259/77):

P/N 5860017- 127	REV R
P/L 5891017- 108	REV H
ACD NO 424JM BLD STD	55
IAE P/N 5W2288	

(d) 5860017-118, -123 (IAE 5W2260/78):

P/N 5860017- 128	REV R
P/L 5891017-109	REV H
ACD NO 424JM BLD STD	56
IAE P/N 5W2289	

(e) 5860017-119, -124 (IAE 5W2261/79):

P/N 5860017- 129	REV R
P/L 5891017- 110	REV H
ACD NO 424JM BLD STD	57
IAE P/N 5W2290	

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3. Material Information

- A. Kit, P/N 5KIT5860017-101, is required to accomplish this service bulletin. The contents of the kit are listed in Table 3.

Material Information
Table 3

NOTE: Refer to CMM 75-24-52 for item numbers.

ITEM NO.	NEW P/N	QTY	KEYWORD	OLD P/N	DISPOSITION
20	M25988/1-905	1	PACKING	Same	Scrap
35	M25988/1-906	1	PACKING	Same	Scrap
45	M25988/1-904	1	PACKING	Same	Scrap
120	M25988/1-010	4	PACKING	Same	Scrap
153	5903194-101	1	NAMEPLATE	Same	Scrap
225	M25988/1-028	1	PACKING	Same	Scrap
230	5833236-101	1	RING, Backup	Same	Scrap
295	2813949-101	1	BEARING, Pi ston	Same	Scrap
300	S30641-215N	1	SEAL	Same	Scrap
305	M25988/1-215	1	PACKING	Same	Scrap
320	S12562-112	2	SEAL	Same	Scrap
325	M25988/1-112	2	PACKING	Same	Scrap
335	S11065-1-5	1	RING, Scraper	Same	Scrap
340	2813947-101	1	RETAINER, Seal	Same	Scrap
360	5863080-106	1	BODY ASSEMBLY	5863080-103/-104/ -105	Scrap

- B. Prices in this service bulletin will be valid until 12/31/95. After that date, please refer to the Parker Airline Spare Parts Catalog or request a quotation from Parker Hannifin, Customer Support Commercial.

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