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DATE ~~R~~ Jan. 7/03**V2500-A5 PROPULSION SYSTEMS SERVICE BULLETIN**

Printed in Great Britain

This document transmits Revision 2 to Service Bulletin EV2500-73-0157

Document History

Service Bulletin Revision Status
 Initial Issue Aug.6/99
 Revision 1 Jun.21/02

Supplement Revision Status

Bulletin Revision 2

Remove
 All pages of the
 Service Bulletin

Incorporate
 Pages 1 to 6 of the
 Service Bulletin

Reason for change
 To revise 1.C. Reason, 1.N.
 References and 2.C.
 Instructions disposition
 codes.

V2500-ENG-73-0157
 Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
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	Bulletin		
R	1	2	Jan.7/03
R	2	2	Jan.7/03
R	3	2	Jan.7/03
R	4	2	Jan.7/03
R	5	2	Jan.7/03
R	6	2	Jan.7/03

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ENGINE FUEL AND CONTROL – FUEL METERING UNIT – INTRODUCTION OF A WOODWARD GOVERNOR
COMPANY FUEL METERING UNIT WITH REVISED MAXIMUM FUEL FLOW STOP (AIRBUS A320-232/233
APPLICATIONS)

1. Planning Information

A. Effectivity

(1) Airbus A320

(a) V2527-A5 Engines prior to Serial No. V10650, excluding V10542, V10453, V10557, V10558, V10559, V10560, V10561, V10562, V10573, V10574, V10592, V10594, V10602, V10607, V10627, V10628, V10633, V10637 and V10649

(b) V2527E-A5 Engines prior to Serial No. V10650, excluding V10542, V10453, V10557, V10558, V10559, V10560, V10561, V10562, V10573, V10574, V10592, V10594, V10602, V10607, V10627, V10628, V10633, V10637 and V10649

(2) ATA Locator 73-22-00

B. Concurrent Requirements

None

C. Reason

(1) Condition

R (a) There is a requirement to introduce a Woodward Governor Company Fuel Metering Unit with a reduced maximum flow potential

(b) For airlines which operate A319 and A320 mixed fleets, it would be an advantage for these airlines to have a single common FMU.

(2) Background

Refer to (1) Condition

(3) Substantiation

The changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis and vendor rig testing.

(4) Objective

R Incorporation of this Service Bulletin (Modification) is designed to
R satisfy airframe requirements.

Aug. 6/99

R Jan. 7/03

V2500-ENG-73-0157

Page 1 of 6

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).



(5) Effect of Bulletin on:

(a) Operation

Not affected

(b) Maintenance

Not affected

(c) Overhaul

Not affected

(d) Repair Schemes

Not affected.

(e) Interchangeability

Affected (see 1.N. References).

(f) Fits and Clearances

Not affected.

D. Description

This Service Bulletin introduces a revised Woodward Governor Company FMU for revenue service, the changes are as follows:

- (1) To limit the potential of a thrust overboost of the engine, the pre-set maximum flow stop has been reduced.
- (2) Existing FMU's can be reworked - Refer to Woodward vendor Service Bulletin at 1.N.(4).
- (3) Units that embody this Service Bulletin will be identified by a new type number (Refer to 2.B.).

E. Compliance

Category Code 6

Accomplish when the subassembly (ie modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts

**F. Approval**

The part number changes and/or part modification 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.

G. Manpower**(1) In Service**

(a) To get access	16 minutes
(b) To embody	3 hours 06 minutes
(c) To return engine to a serviceable status	20 minutes
Total	3 hours 42 minutes

(2) At Overhaul

To embody	2 hours 10 minutes
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NOTE: The part affected by this Service Bulletin are accessible at overhaul

H. Material Price and Availability

A modification kit is not necessary

For prices and availability of future spares refer to the IAE Price Catalogue or contact the IAE spare parts sales department

I. Tooling Price and Availability

Special tools are not required

J. Industry Support Information

None

K. Weight and Balance**(1) Weight Change**

None

(2) Moment Arm

No effect

(3) Datum

Engine front mount centreline (Power Plant Station PPS 100).



L. Electrical Load Data

The aircraft electrical load is not affected by this Service Bulletin

M. Software Accomplishment Summary

Not applicable

N. References

(1) A5 Engine Manual (EM), 72-00-60, Removal/Installation-06, Config-02

(2) A320 Aircraft Maintenance Manual (AMM), 73-22-52, Removal/installation, Config-02

(3) The IAE Service Bulletins that follow can be embodied on the new vendor unit introduced by this Service Bulletin:

73-0101 Engine fuel and control - Fuel metering unit - Introduction of revised fuel meter with integral housing strengthening feature - EC96VI012

73-0136 Engine fuel and control - Fuel metering unit - Introduction of a Woodward fuel metering unit with revised servo valve cover - EC98VI002

(4) Refer to Vendor Service Bulletin:

SB-83724-73-0002 - Introduction of new model 8061-633 and conversion of 8061-632 into 8061-633

R (5) Refer to Airbus Service Bulletin A320-73-1067.

R (6) Refer to Airbus Aircraft Modification 28006.

(7) Internal reference 98VI009A

O. Other Publications Affected

V2500 Engine Illustrated Parts Catalogue (IPC), 73-22-52

P. Interchangeability of Parts

Not affected (Refer to 2. Material Information)



2. Material Information

A. The kit required consists of the following parts:

None

B. Units affected by this Bulletin:

73-22-52

The type of equipment affected by this Service Bulletin is listed for information only

	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
R	01100	8061-633	1	Meter, fuel unit (V66503)	-	8061-632	(A)(S1) (1D)

C. Instructions disposition codes:

(A) New standard of unit is currently available

R (S1) Old and new standards of unit are freely and fully interchangeable, until
R the limitations described in Airbus modification apply (see 1.N. References)

(1D) Old unit can be reworked and re-identified to the new part number



3. Accomplishment Instructions

A. Rework Instructions

Woodward units 8061-632 can be modified free of charge to 8061-633 by returning the units to the address listed below for the attention of the Customer Support Manager.

The free of charge purchase order must quote the IAE tracking number S481UI and write 'For upgrade to 8061-633'

The Woodward Customer Support Center
Woodward Governor Company
5001 N
Second street
Rockford
IL 61125-7001
USA

B. Assembly Instructions

For the correct Removal/Installation procedures refer to the:

- (1) A5 Engine Manual (EM), 72-00-60, Removal/Installation-06, Config-02 or
- (2) A320 Aircraft Maintenance Manual (AMM), 73-22-52, Removal/Installation, Config-02

C. Recording Instructions

A record of accomplishment is required. Refer to the vendor Service Bulletin