



ENGINE - FUEL AND CONTROL - FUEL METERING UNIT (FMU) - INTRODUCTION OF REVISED FMU WITH
A DECREASED FUEL FLOW - CATEGORY CODE 7 - MOD.ENG-73-0117

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A319
- (2) Engines: (a) V2522-A5 Engines prior to Serial No.V10227
(b) V2524-A5 Engines prior to Serial No.V10227

B. Concurrent Requirements

This Service Bulletin must only be installed to engines which have IAE V2500 Service Bulletin ENG 73-0086 (Refer to 1.L.).

C. Reason

(1) Condition

It is necessary to install a different fuel meter supplied by Lucas Aerospace with a decreased maximum fuel flow setting.

(2) Background

As above in (1).

(3) Objective

The purpose of this Service Bulletin is to satisfy customer requirements.

(4) Substantiation

Satisfactory unit and rig tests have been done with a fuel meter the same as the unit contained in this Service Bulletin.

(5) Effect 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

V2500-ENG-73-0117



SERVICE BULLETIN

This modification is "Essential" for V2522-A5 and V2524-A5 engines with an installation arrangement number (IAN) AQ02 for Airbus A319 aircraft.

D. Description

- (1) This Service Bulletin has a Lucas Aerospace fuel meter for revenue service which has been changed. The pre-set maximum flow-stop is replaced by a two position, low flow/high flow setting arrangement.

The maximum flow-stop is controlled by a double ended cap which is set in the LOW position.

To obey engine pass-off test standards, a setting instruction has been included.

- (2) Initial fuel meters can be reworked, refer to vendor Service Bulletin: 500-73-8046.
- (3) Units which have this modification will be identified by a new type number (see 3.B.).

E. Approval

The part number and/or part modification are given in Section 2 and 3 of this Service Bulletin. They obey the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

F. Compliance

CATEGORY CODE 7

This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

Estimate of manhours necessary to do this Service Bulletin in full:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) At overhaul	No more time is necessary to do this service bulletin

NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul.

H. Material - Price and Availability

- (1) A modification kit is not necessary.

V2500-ENG-73-0117



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

I. Tooling - Price and Availability

Special tools are not necessary.

J. Weight and Balance

(1)	Weight change	plus 0,08 kg. (0.2 lb.)
(2)	Moment arm	419 mm. (16.5in.) forward of datum
(3)	Datum	Engine front mount centreline (Power Plant Station (PPS) 100)

K. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

L. References

(1) Internal Reference No.

EC96VI011

(2) Other References

The IAE modification that follows must be installed before or at the same time this Service Bulletin:

ENG 73-0086 PROVIDED NEW SCN11 ELECTRONIC ENGINE CONTROL

M. Other Publications Affected

None



2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

For the correct removal/installation procedures, refer to the Airbus A319 Engine Maintenance Manual (EMM), Chapter/Section 73-22-52, Removal/Installation.

C. Recording Instructions

(1) A record of accomplishment is necessary

V2500-ENG-73-0117



SERVICE BULLETIN

Printed in Great Britain

3. Material Information

Applicability: For each V2500 Engine.

A. Kits necessary for this Bulletin:

None

B. Vendor Unit affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
FMU540MK2 (73-22-52)	1		Meter, fuel	FMU530MK2 (01-100)	(A)(B)(S1) (1D)(2D)

NOTE: The 1997 unit prices shown are an estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact IAE's spare part sales department.

C. Reference Drawings:

4W6252 (73-22-52)	Ref	Instruction, setting - flow meter, low flow/ high flow setting	- (99-300)	(C)
----------------------	-----	--	---------------	-----

D. Instructions Disposition Codes:

- (A) New part is currently available.
- (B) Old part will be discontinued.
- (C) Reference, only required during engine pass-off.
- (S1) Old and new parts are not interchangeable.
- (1D) Old part may be used up on other applications.
- (2D) Old units may be returned to vendor for network.

V2500-ENG-73-0117

