



SERVICE BULLETIN

ENGINE - FUEL AND CONTROL - FUEL AND CONTROL - FUEL METERING UNIT - INTRODUCTION OF A
STRENGTHENED SPILL VALVE COVER - CATEGORY CODE 6 - MOD.ENG-73-0017

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial No.V0133*

* The serial number data shown is of a preliminary nature and is provided for advanced planning only. A future revision to this Service Bulletin will confirm final serial number effectivity.

B. Reason

(1) Condition

Damage to the spill valve cover 'O' ring has been observed. This has been attributed to movement of the valve cover under differing fuel pressure loads and under extreme conditions which may lead to fuel leakage past the 'O' ring.

(2) Background

The problem was identified during structural cyclic pressure testing. No incidents have been reported in service.

(3) Objective

Incorporation of the changes introduced by this Service Bulletin (Modification) are designed to maintain unit reliability.

(4) Substantiation

The changes recommended in this Service Bulletin have been shown by detailed stress analysis to alleviate the problem.

(5) Effects of Bulletin on workshop procedures.

None

(6) Supplemental Information

See Lucas Service Bulletin FMU 500-73-6619 for all other information.

V2500-ENG-73-0017

**C. Description**

The modification contained in the Lucas Service Bulletin increases the flange thickness of the spill valve cover.

D. Approval

The part number changed and or part modification described in sections 2 and 3 of this Service Bulletin has been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

E. Compliance

Category Code 6

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

F. Manpower

Estimated manhours to incorporate the full intent of this Bulletin

Venue	Estimated Manhours
(1) In Service	Not affected

G. References

(1) Internal Reference No.

EC88VR132

(2) Other References

(1) A320 Engine Manual

(2) Lucas Service Bulletin FMU 500-73-6619

H. Other Publications Affected

(1) 73-22-52, Vendor Manual



2. Accomplishment Instructions

A. Incorporate the intent of Lucas Service Bulletin F.M.U.500-73-6619

B. Recording Instructions

A record of accomplishment is necessary.

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3. Material Information

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
FMU500MK3 (73-22-52)	1	-	Metering unit, fuel	FMU500MK3	(1)(A)

C. Instruction/Disposition Code Statements:

- (1) Old and new parts are freely and fully interchangeable. Units incorporating this modification will be identified by CP6619 marked on the identification plate.
- (A) For availability of spares refer to Lucas Service Bulletin F.M.U.500-73-6619.

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