

International Aero Engines INFORMATION BULLETIN

ENGINE-INLET CONE-INTRODUCTION OF A THICKENED INLET CONE FAIRING WITH REVISED PROFILE

A. Effectivity

(1) Aircraft.

- (a) Airbus A319
- (b) Airbus A319CJ
- (c) Airbus A320
- (d) Airbus A321
- (e) Boeing-Douglas Product Division MD-90

(2) Engine.

- (a) V2500-A1 Engines
- (b) V2522-A5 Engines
- (c) V2524-A5 Engines
- (d) V2527-A5 Engines
- (e) V2527E-A5 Engines
- (f) V2527M-A5 Engines
- (g) V2530-A5 Engines
- (h) V2533-A5 Engines
- (i) V2525-D5 Engines
- (j) V2528-D5 Engines

(3) ATA Locator

72-38-00

B. Concurrent Requirements

None

C. Reason

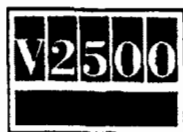
To introduce a thickened Inlet Cone Faring with revised profile to eliminate bolt hole cracking caused by aerodynamic excitation of the fairing. This is achieved by;

- (1) reprofiling of the fairing to remove the leading-edge "into-wind" step.
- (2) 10 % increase in thickness to change the vibration natural frequency and provide a stronger bolt hole flange.
- (3) retention of the damper strip seal introduced by Service Bulletin V2500-ENG-72-0318.

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D. Compliance

Category Code 7

Accomplish when there are no original parts remaining.

E. Approval

The part number transactions are given in the Material Information section of this Service Bulletin. They comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

F. Reference

IAE Engineering Change No. 98VJ009

G. General Information

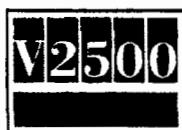
- (1) The Material Information section of this Service Bulletin gives the latest information about the availability of the Inlet Cone Faring assembly.
- (2) Weight change of Inlet Cone Fairing is Plus 0.2 lb. (0,09 Kg).
- (3) This Service Bulletin has no effect on the aircraft electrical load.
- (4) Other Publications Affected
 - (a) V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-38-11 will be revised to add the new part number.
 - (b) V2500 Engine Manual (E-V2500-1IA and 3IA), Chapter/Section 72-38-11, Cleaning-01, Config-01 will be revised to add new part number.
 - (c) V2500 Engine Manual (E-V2500-1IA and 3IA), Chapter/Section 72-38-11, Inspection/Check-01, Config-02 will be revised to add new part number.
 - (d) Repair Schemes will be revised to add new part number in the V2500 Engine Manual (E-V2500-1IA and 3IA).

ATA Ref. No.	Repair Scheme	Title
72-38-11	VRS1057	INLET CONE-REPLACE THE STRIP SEAL
72-38-11	VRS1459	INLET CONE-REPLACE THE BALANCE WEIGHT
72-38-11	VRS1460	INLET CONE-REPAIR THE SURFACE DAMAGE

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H. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price(\$)	Keyword	Old Part No. (IPC No.)	Instr. Disp.
5A1834 (72-38-11)	1		. Faring, Assy Inlet Cone	5A1833 (01-100)	(A)(B)(S1)

NOTE: The unit prices, if 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 parts sales department.

I. Instruction/Disposition Codes

- (A) New part will become available when existing stock of old parts has been exhausted.
- (B) Old parts will continue to be supplied until existing supplies have been depleted.
- (S1) Old and New parts are freely and fully interchangeable, both physically and functionally.

