



International Aero Engines SERVICE BULLETIN

ENGINE FUEL AND CONTROL - DEDICATED ALTERNATOR
(STATOR) - INTRODUCTION OF REVISED RECEPTACLES

MODEL APPLICATION

V2525-D5
V2528-D5

BULLETIN INDEX LOCATOR

73-00-00

Compliance Category Code

6

Internal Reference No.

EC96V1008



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ENGINE FUEL AND CONTROL - DEDICATED ALTERNATOR
(STATOR) - INTRODUCTION OF REVISED RECEPTACLES

1. Planning Information

A. Effectivity

(1) Aircraft:

(a) McDonnell Douglas MD-90

(2) Engines:

R (a) V2525-D5 Engines prior to Serial No.V20154

R (b) V2528-D5 Engines prior to Serial No.V20154

B. Concurrent Requirements

This Service Bulletin must only be fitted to engines which embody IAE V2500 Service Bulletin ENG-71-0182 (See L.1).

C. Reason

(1) Condition

Inadequate locking of the Engine Dedicated Alternator (EDA) stator connectors for Loom A and Loom B has led to an unacceptably high incidence of pin burning and connector overheating.

(2) Background

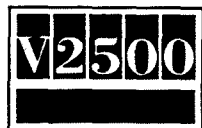
A number of EDA stator connections for Loom A and Loom B were found to be inadequately locked on engines in service.

(3) Objective

Incorporation of this Service Bulletin is designed to maintain reliability.

(4) Substantiation

Changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis.



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(5) Effect of Bulletin on Workshop Procedures:

Removal/Installation	Affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

None.

D. Description

(1) The changes introduced by this Service Bulletin are as follows:

A revised Engine Dedicated Alternator (EDA) stator is introduced similar to the existing stator but with receptacles that feature improved locking features.

E. Approval

The part number changes and/or part modification described in Section 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.

F. Compliance

Category Code 6.

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

G. Manpower

Estimated man-hours to incorporate the full intent of this Bulletin:

Venue	<u>Estimated Man-hours</u>
(1) In Service	Not applicable
(2) At Overhaul	Not affected

H. Material - Price and Availability

- (1) Modification kit is not required.
- (2) See "Material Information" section for prices and availability of future spares.



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I. Tooling - Price and Availability

Special tools are not required

J. Weight and Balance

- | | |
|-------------------|--|
| (1) Weight change | None |
| (2) Moment arm | No effect |
| (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

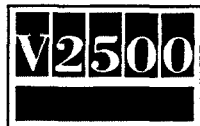
- (1) The following Rolls-Royce V2500 Service Bulletin must be fitted prior to or concurrently with this Service Bulletin:

71-0182 Power Plant - EEC Channel A and B Harnesses (Loom A and Loom B)
- Introduction of revised Engine dedicated alternator connectors.

- (2) Aircraft Maintenance Manual, Chapter/Section 73-22-38,
Removal/Installation

M. Other Publications Affected

- (1) Illustrated parts catalog will be revised.



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2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

- (1) Install the revised Engine Dedicated Alternator using the approved procedures, Ref. Aircraft Maintenance Manual, Chapter/Section 73-22-38, Removal/Installation.

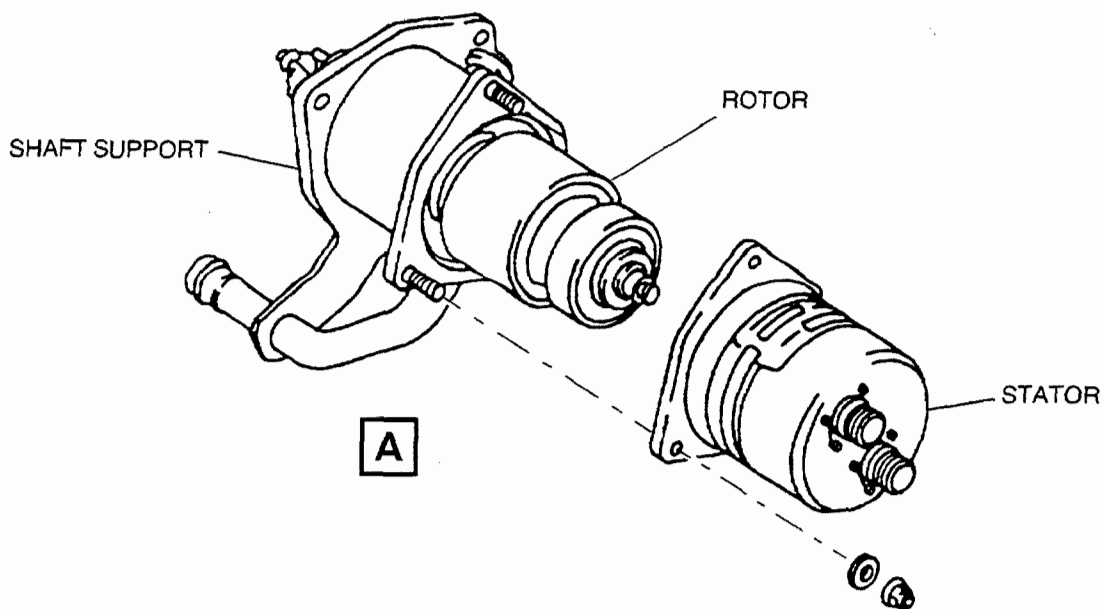
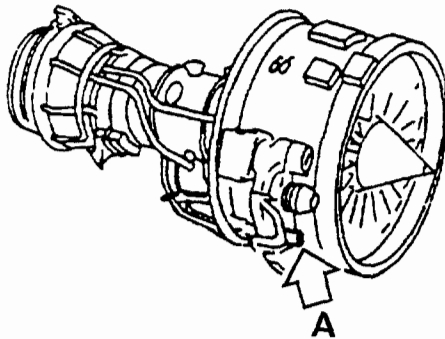
C. Recording Instructions

A record of accomplishment is necessary.



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General view
Fig 1

Feb.14/97

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V2500-ENG-73-0096

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

discontinued
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3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

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
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For engines incorporating ENG-73-0070

430153 (73-22-38)	1		Generator, Stator Alternator	430110 (01-100)	(A) (B) (S1)
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For engines not incorporating ENG-73-0070

1794MK2 (79-22-38)	1		Generator, Stator Alternator	1794MK1 (01-100)	(A) (B) (S1)
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C. Instruction Disposition Codes

- (A) Old part will be discontinued.
- (B) New part is currently available.
- (S1) Old and new parts are not interchangeable.

