



ENGINE - FUEL AND CONTROL - DEDICATED ALTERNATOR STATOR - INTRODUCTION OF NEW SOURCE OF
SUPPLY - CATEGORY CODE 7 - MOD.ENG-73-0070

1. Planning Information

A. Effectivity

- (1) Aircraft: McDonnell Douglas MD90
- (2) Engine: (a) V2525-D5 Engines
(b) V2528-D5 Engines

B. Concurrent Requirements:

None

C. Reason

1) Condition

The current supplier of the Engine Dedicated Alternator Rotor will no longer supply the unit.

(2) Background

Not applicable

(3) Objective

Incorporation of this Service Bulletin is designed to introduce a new source of supply for the Engine Dedicated Alternator Stator.

(4) Substantiation

B.F. Goodrich (B.F.G.) has been chosen as the new unit supplier. The B.F.G. stator introduced by this Service Bulletin is completely interchangeable with the current units.

The shroud for the new stator unit is a separate item and can be located on the stator unit in one of two positions, dependent on the engine model application: Position 1 for A1/A5 engines and Position 2 for D5 engines.

The new unit has completed rig and bench tests successfully.

(5) Effects of Bulletin on Workshop Procedures:

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Removal/Installation	Not 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) This Bulletin covers the introduction of a new Engine Dedicated Alternator Stator supplied by B.F. Goodrich.
- (2) Units introduced by this Bulletin will be identified by the type number 430116 shroud and 430110 stator.

E. Approval

The part number changes and/or part modifications described in Section 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for Engine Model listed.

F. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.

G. Manpower

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

	Venue	Estimated Manhours
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- | | | |
|-----|-------------|----------------|
| (1) | In Service | Not Applicable |
| (2) | At Overhaul | Not Applicable |

H. Material - Price and Availability

- (1) Modification kit 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 centerline (Power Plant Station (PPS)100)

K. Electrical Load Data

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

L. Reference

(1) Internal Reference No.

EC 94VR062

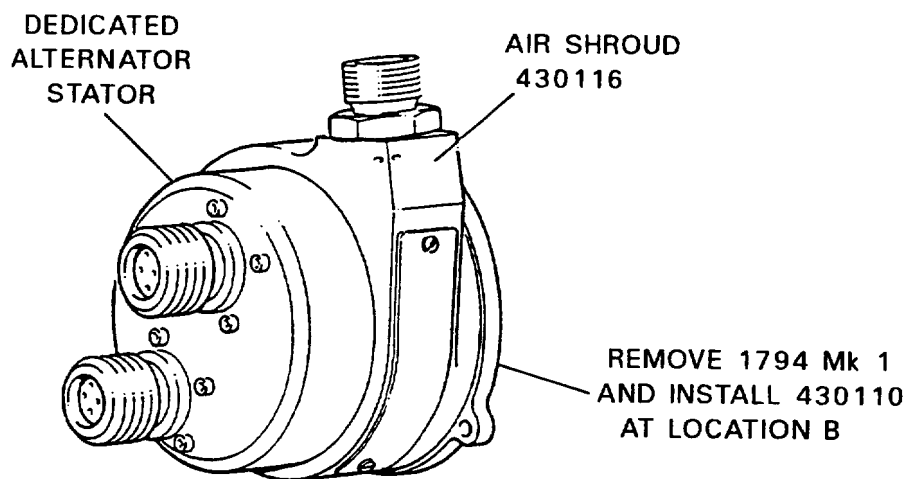
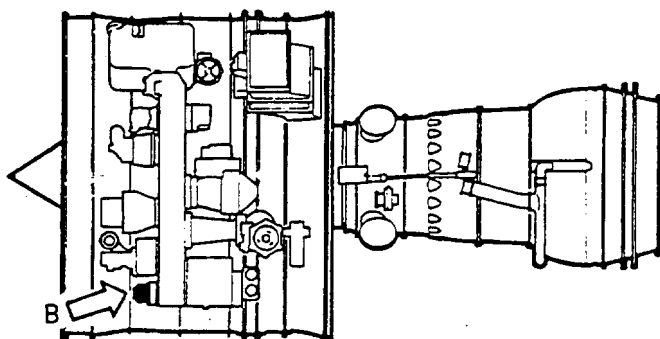
(2) Other References

MD90 Engine Manual

M. Other Publications Affected.

(1) V2500 Illustrated Parts Catalog (S-V2500-3IA), Chapter/Section 73-22-38.

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LOCATION OF DEDICATED ALTERNATOR STATOR
Fig.1

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2. Accomplishment Instructions

A. Disassembly Instructions

None

B. Rework Instructions

None

C. Assembly Instructions

- (1) Install the new 430116 Air Shroud to the 430110 Dedicated Alternator Stator by inserting shroud dowel into hole position 2 of the stator, install assembly as instructed in the MD90 Engine Manual, TASK 72-00-60-450-001.

D. Recording Instructions

- (1) A record of accomplishment is necessary.



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3. Material Information

Applicability: For each V2525-D5 or V2528-D5 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.)	Supply Status
430116 (73-22-38)	1		Shroud, Air	- (01-090)	(A) (S2)
430110 (73-22-38)	1		Stator, Dedicated Alternator	1794MK1 (01-100)	(A)(B) (S1)

C. Instructions/Disposition Code Statements

(A) New part is currently available

(B) Old part will no longer be available

(S1) Old and new parts are freely and fully interchangeable, both physically and functionally.

(S2) New parts coded (S2) must be fotted as a 'COMPLETE SET' per engine

NOTE: Consult vendor for price information.

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