



SERVICE BULLETIN

ENGINE - OIL - INCORPORATE LONGER BOLTS TO ATTACH NO.4 BEARING COMPARTMENT SCAVENGE VALVE - CATEGORY CODE 5 - MOD.ENG-79-0018

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial Number V0122

B. Reason

(1) Condition

The bolts which attach the No.4 Bearing Compartment Scavenge Valve may not completely engage the tapped holes in the Deoiler casing flange.

(2) Background

This condition has been noted during assembly of new production engines.

A review of the No.4 Bearing Compartment Scavenge Valve installation suggests the use of longer bolts.

(3) Objective

The changes in configuration recommended in this Service Bulletin are intended to maintain engine reliability.

(4) Substantiation

Substantiation test is not required.

(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

None

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C. Description

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

(a) The existing bolts which attach the No.4 Bearing Compartment Scavenge valve have been changed to longer bolts (See Figure 1).

(2) New bolts will be available for future replacement purposes.

D. Approval

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

E. Compliance

Category Code 5

Accomplish when the engine is disassembled sufficiently to afford access to the affected subassembly (i.e. Modules, Accessories, Components, Build Groups) and to all affected spare subassemblies.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) In shop	12 minutes
(a) To gain access	Not applicable
(b) To embody	Not applicable (No rework carried out)
(c) To return to modular condition	Not applicable
TOTAL	12 mins.

Remarks: As there is no rework involved and the engine is stripped into modules then there is no time needed for the above situations.

G. Material - Price and Availability

(1) Modification Kit is not required. Parts supplied as single line items.

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

H. Tooling - Price and Availability

Special tools are not required to accomplish this Service Bulletin.

I. Weight and Balance

- | | |
|-------------------|--|
| (1) Weight change | None |
| (2) Moment arm | No effect |
| (3) Datum | Engine front mount centreline
(Power Plant Station (PPS) 100) |

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.

EC89VJ104

- (2) Other References

V2500 Engine Illustrated Parts Catalog, Chapter/Section 79-23-51.

V2500 Standard Practices/Processes Manual, 70-41-00,
Torque Tightening Technique.

L. Other Publications Affected

- (1) V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 79-23-51.

- (2) V2500 Engine Illustrated Parts Catalog, Chapter/Section 79-23-51.

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2. Accomplishment Instructions

A. Rework Instructions

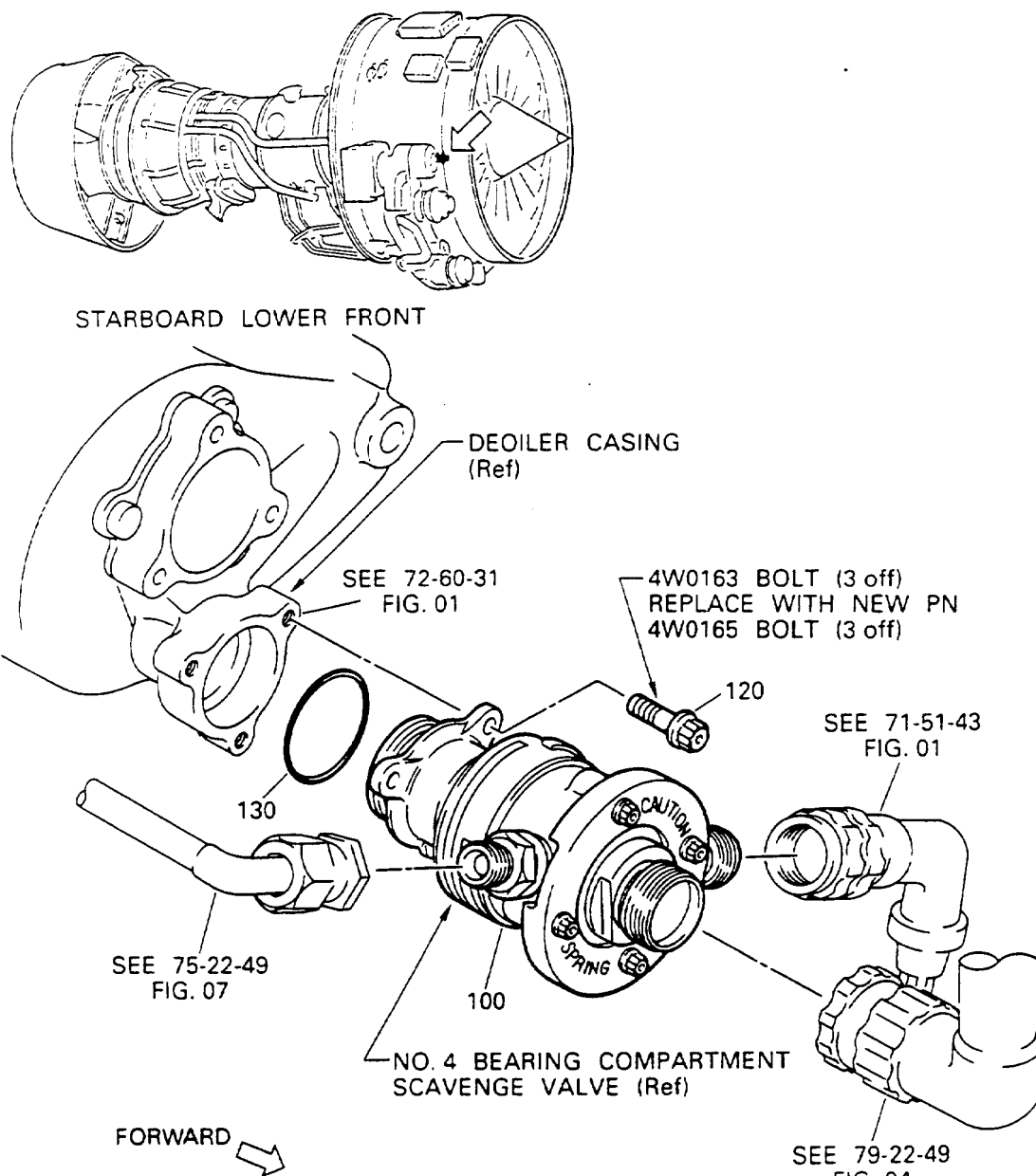
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Fitment Instructions

- (1) Replace the three bolts which attach the No.4 Bearing Compartment Scavenge Valve, one by one with the following steps (a) to (c) (Refer to Figure 1 and 1.K.(2)).
 - (a) Remove 4W0163, Bolt, from the No.4 Bearing Compartment Scavenge Valve and the Deoiler Casing.
 - (b) Install new 4W0165, Bolt, to the No.4 Bearing Compartment Scavenge Valve and the Deoiler Casing.
 - (c) Torque the Bolt, to 85 - 105 lbfin (10,00 - 12,00 Nm).

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Replacement of the No.4 Bearing Compartment Scavenge Valve Attaching Bolts
Fig.1

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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
4W0165 (79-23-51)	3	3.78	Bolt, Machine Double Hex	4W0163 (01-120)	(A)(B)(S1) (S2)

C. Instruction/Disposition Code Statements:

- (A) New part is currently available.
- (B) Old part will continue to be available for sale on the other applications.
- (S1) New Part may be used in place of old part, but not vice versa.
- (S2) Old Part can be used up on other applications.

NOTE: The estimated 1990 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

D. Expendables Required to Incorporate this Bulletin:

None

E. Consumables Required to incorporate this Bulletin:

None