

SERVICE BULLETIN

OIL - FUEL COOLED OIL COOLER - INTRODUCTION OF LONGER UPPER BONDING STRAP - CATEGORY CODE 6 - MOD.ENG-79-0020

1. Planning Information

A. Effectivity

(1) Aircraft: Airbus A320

(2) Engine: V2500 A1 Engine 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

Fretage of the fuel cooled oil cooler (F.C.O.C.) bonding strap could occur.

(2) Background

The bonding strap between the top of the fuel cooled oil cooler (F.C.O.C.) and the fan case flanged FB may not to be the proper length and could therefore touch either the adjacent oil tubes or the bolt tail on flange FB, possibly resulting in fretage.

(3) Objective

The incorporation of this Service Bulletin is to ensure that fretage of the earth strap does not occur.

(4) Substantiation

The revised strap has been run on a mock-up engine and was found to provide an improved fit.

(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

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None

C. Description

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

- (a) A longer bonding strap replaces the existing strap. Its position on the F.C.O.C. remains unchanged but it has been moved one bolt position clockwise on flange FB to bolt position 43.
- (b) The bolt at position 43 has been lengthened to accommodate the lead terminal. The bolt at position 44 has also been lengthened to maintain commonality.
- (c) The washer at the existing strap position has been deleted and the bolt at this position has been shortened to compensate for the removal of the washer and bonding strap.

D. Approval

The part number changes and/or part modifications described in Section 2 and 3 of this modification 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 6

Accomplish when the sub-assembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected parts 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 applicable
(2) At Overhaul	Not affected

NOTE: The parts affected by this Service Bulletin are accessible at Overhaul.

G. Material - Price and Availability

- (1) Modification kit not required.

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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.

I. Weight and Balance

- | | | |
|-----|-----------------------|--|
| (1) | Weight change | None |
| (2) | Moment arm | None |
| (3) | Datum | Engine front mount centreline
(Power Plant Station (PPS) 100) |

K. References

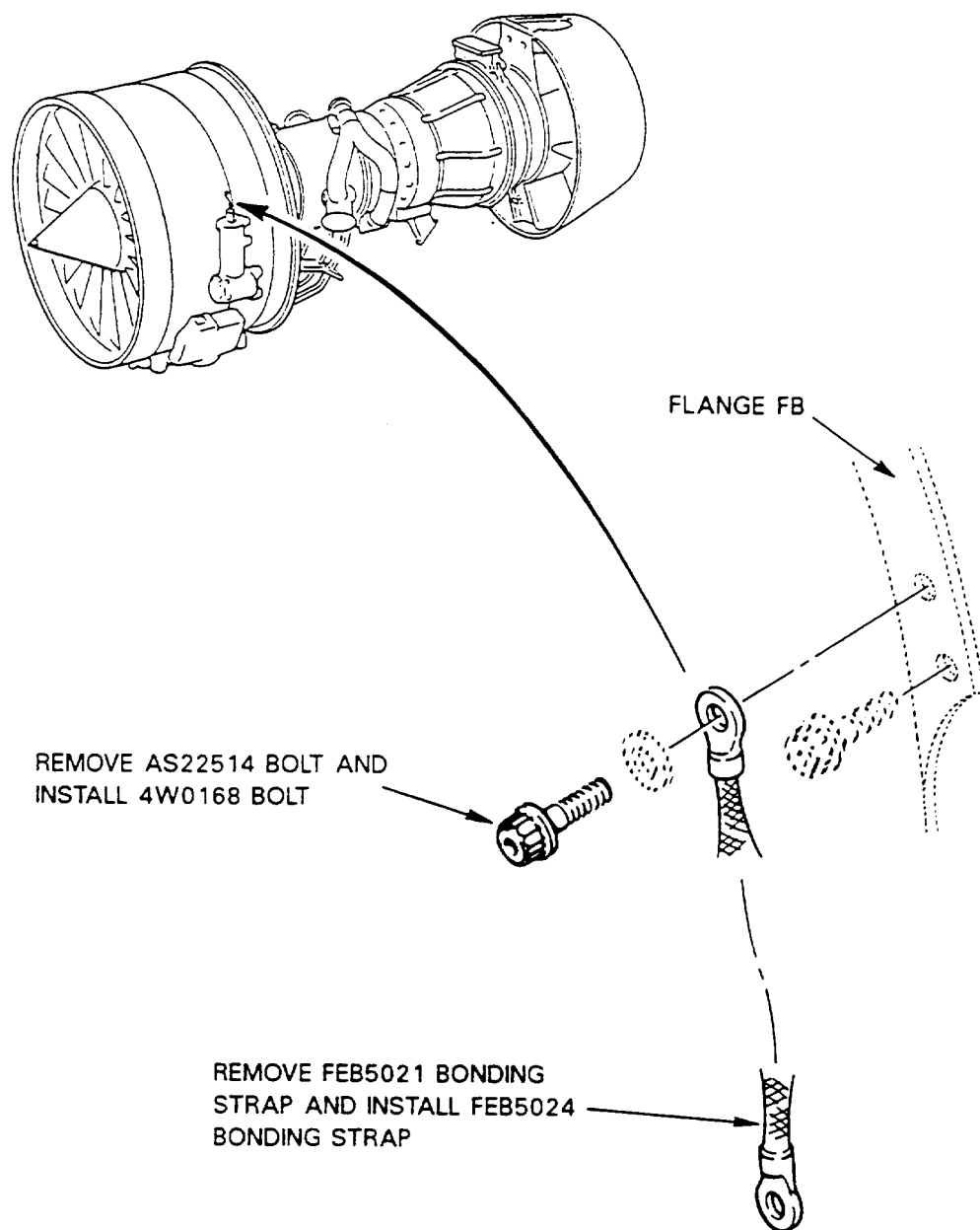
- (1) Internal Reference No.

EC90VR004

EC90VR004A

L. Other Publications Affected

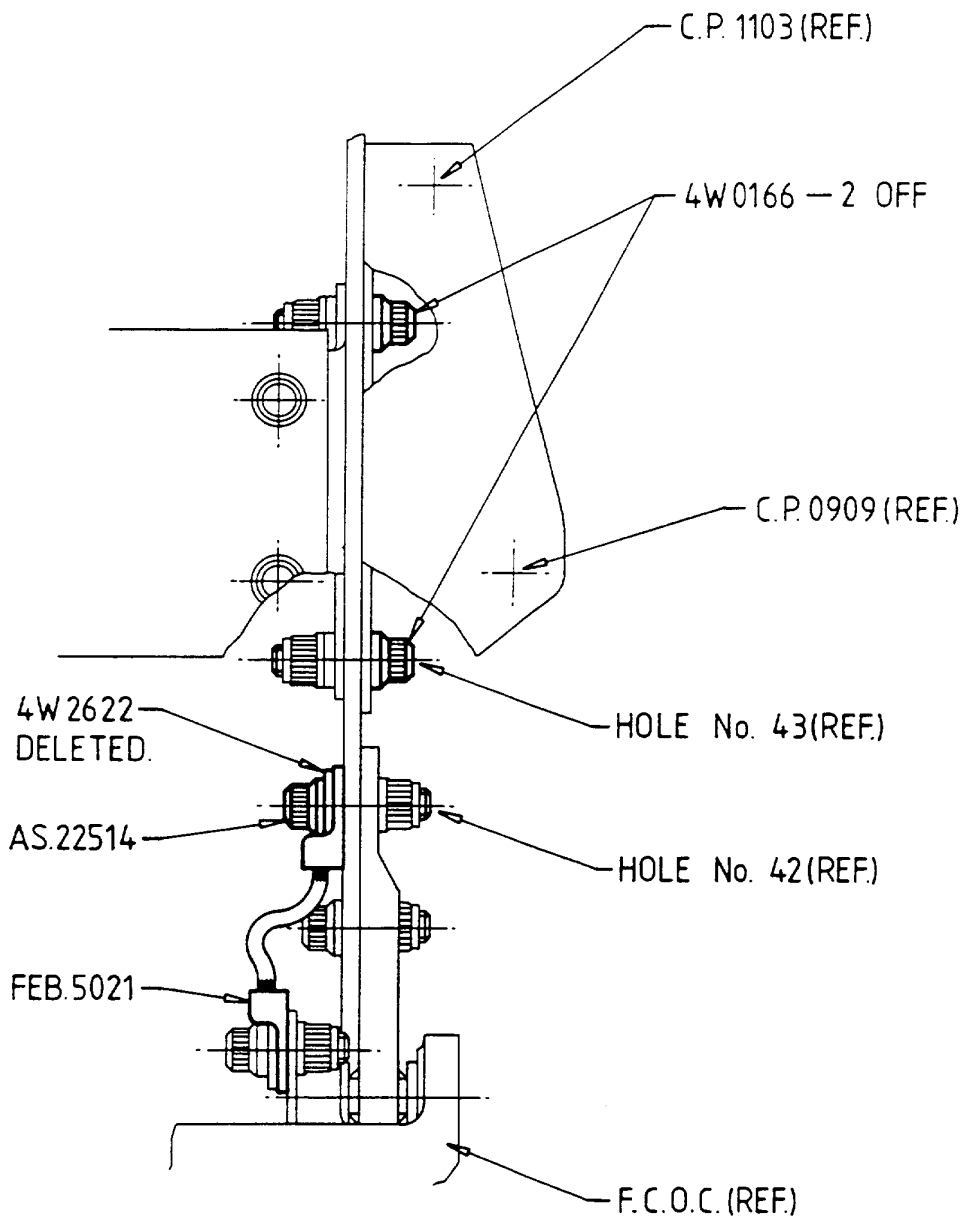
- (1) V2500 Illustrated Parts Catalog, 79-21-43, 79-22-49.
- (2) V2500 Engine Manual, 72-00-32, Removal/Installation.
- (3) V2500 Component Maintenance Manual, 79-21-43, Inspection/Check.



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Location of bonding strap
Fig.1

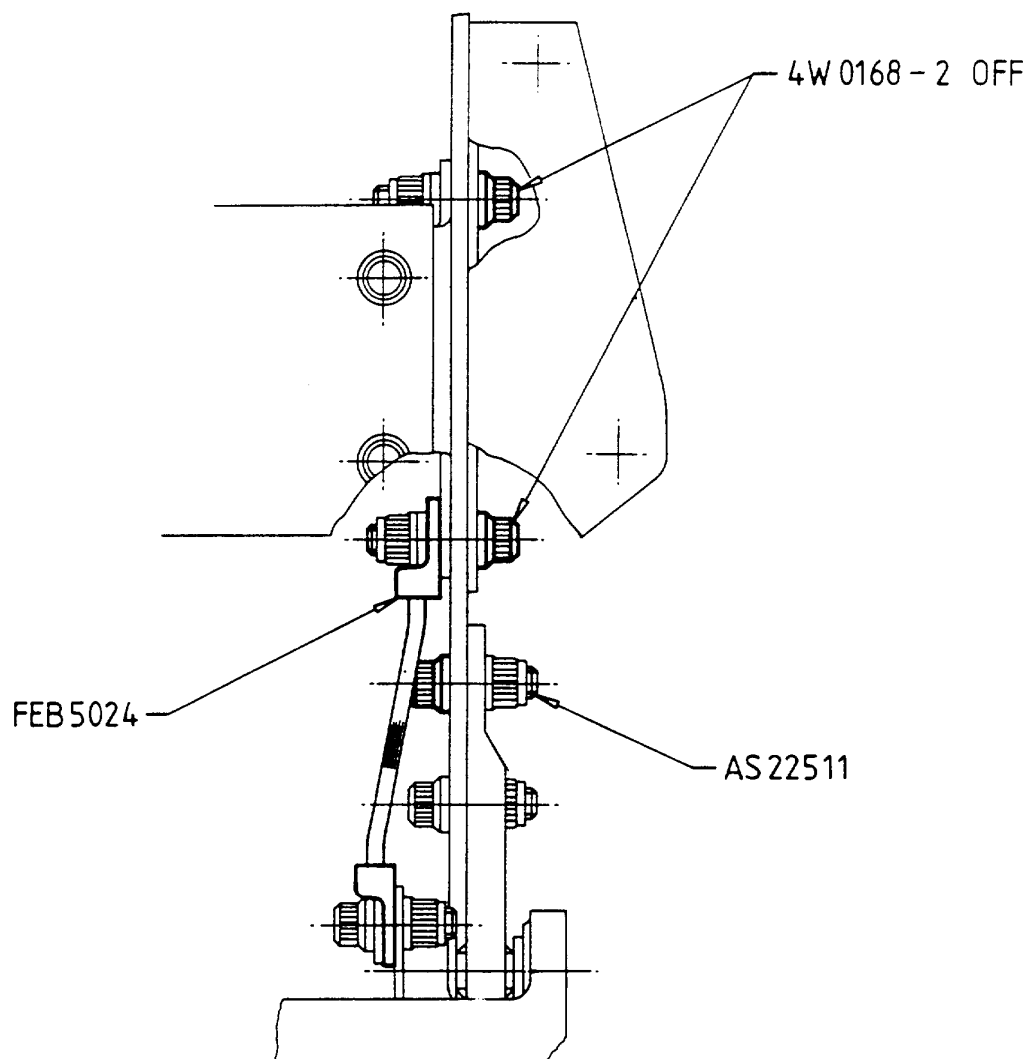
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BEFORE ALTERATION

Location of bonding strap - Before alteration
Fig.2

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AFTER ALTERATION.

Location of bonding strap - After alteration
Fig.3

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2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

- (1) The new bonding strap FEB5024 introduced by this Service Bulletin is not interchangeable with the existing bonding strap.
- (2) Assemble new bonding strap FEB5024 by use of approved procedures, Engine Manual, 72-00-32 Removal/Installation.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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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
FEB5024 (79-21-43)	1		Strap, bonding	FEB5021 (01-250)	(S1)(1D)
AS-22511 (79-21-43)	1	2.81	Bolt	- (01-315)	(S1)(12D)
- (79-21-43)	1		Bolt	AS22514 (01-320)	(S1)(1D)(3D)
- (79-21-43)	1		Washer	4W2622 (01-319)	(S1)(1D)
4W0168 (79-22-49)	2	5.01	Bolt	4W0166 (13-904)	(S1)(1D)

C. Instruction/Disposition Code Statements:

- (S1) New parts coded (S1) replace old parts coded (S1) as a complete set.
- (1D) Retain for spares for other applications.
- (2D) Quantity increased to two.
- (3D) Quantity decreased to none.

NOTE: The estimated 1991 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the I.A.E. price catalog or contact I.A.E.'s Spares Parts Sales Department for information concerning firm prices.

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