



AIR - HP COMPRESSOR VARIABLE STATOR VANE ACTUATOR (VSVA) LINEAR VARIABLE DIFFERENTIAL TRANSFORMER (LVDT) SEALING - 3 - MOD.ENG-75-0028

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1
- (3) Variable stator vane actuators: All serviceable 1685 Mk4 or 1685 Mk5 units prior to Serial No.1685-429 (installed or uninstalled).

B. Reason

Interfaces have been identified on the variable stator vane actuator (VSVA) linear variable differential transformer (LVDT) which may allow the ingress of fuel into the LVDT, with the potential of adversely affecting the VSVA performance.

This requires the sealing of all VSVA LVDT interfaces.

C. Compliance

Category 3

Accomplish within 150 hours of receipt of this Service Bulletin.

D. Approval

The compliance statement and the requirement for performing the actions specified in paragraph F 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. References

- (1) Internal Referenenc No.

EC91VR748

- (2) Other References

A320 Aircraft Maintenance Manual.

V2500 Engine Manual.

V2500 Overhaul Processes and Consumable Index (PCI).

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**F. Action**

- (1) Open the fan cowls by the approved procedure in Reference (1), Chapter/Section 71-13-00, Maintenance Practices.
- (2) Open the left thrust reverser half by the approved procedure in Reference (1), Chapter/Section 78-32-00, Maintenance Practices.
- (3) Clean the VSVA LVDT outside joint faces using CoMat 03-13 Methylated spirit, Reference (3), with a 5 mm wide soft brush between the parts in (a), (b), (c) and (d).

CAUTION: DO NOT REMOVE ANY SCREWS OR DISMANTLE THE UNIT. ALL AREAS DESCRIBED FOR CLEANING ARE THOSE VISIBLE WITH THE UNIT IN THE ASSEMBLED STATE.

- (a) The connectors and the connector housing and the retaining bolts. Refer to Figure 1, Index 1.
 - (b) The connector housing and the LVDT body. Refer to Figures 1 and 2, Index 2.
 - (c) The LVDT retaining bolts and washers (3 off). Refer to Figures 1 and 3, Index 3.
 - (d) Bobbin retaining screws (2 off) and location pins (2 off). Refer to Figure 3, Index 4.
- (4) Ensure that each area is free from grease and dirt.
 - (5) Seal the VSVA LVDT

CAUTION: DO NOT REMOVE ANY SCREWS OR DISMANTLE THE UNIT. ALL AREAS DESCRIBED FOR ARDOX APPLICATION ARE THOSE VISIBLE WITH THE UNIT IN THE ASSEMBLED STATE.

- (a) When the cleaning agent has evaporated apply Ardrex 3302 to the outside joint areas cleaned above, using a 5 mm soft brush.

NOTE: Ardrex 3302 may be obtained from Dowty Fuel Systems by ordering part number STD.725-10.

- (a) Ensure that a reddish brown coating of the Ardrex 3302 completely covers the specified areas.
- (6) Close the left thrust reverser half by the approved procedures in Reference (1), Chapter/Section 78-32-00, Maintenance Practices.
 - (7) Close the fan cowls by the approved procedures in Reference (1), Chapter/Section 71-13-00, Maintenance Practices.

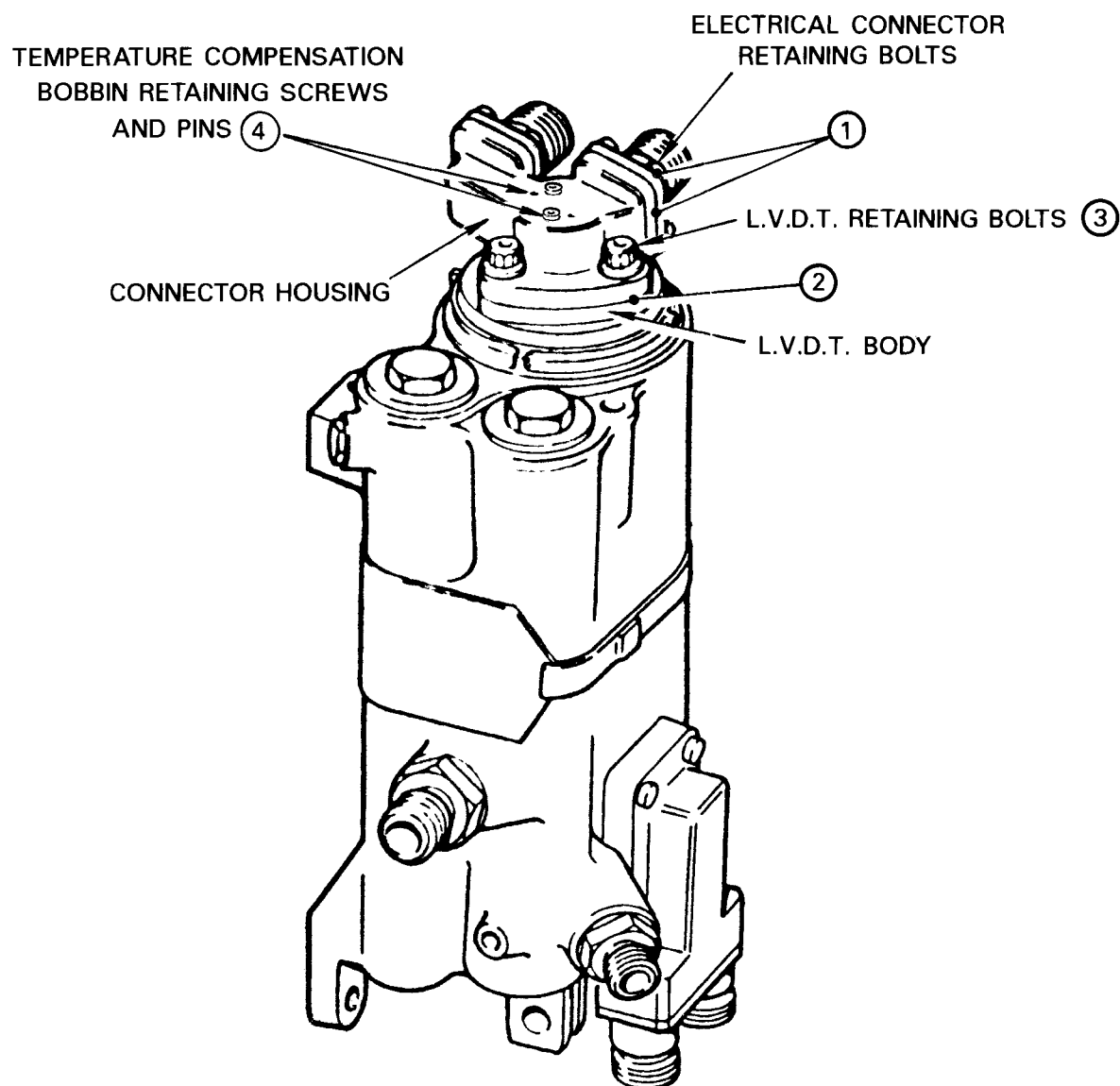


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- (8) At alternate 'A' checks subsequent to incorporation of this Service Bulletin, re-application of Ardrox is required in order to ensure continual sealing of the unit. The following re-application procedure is to be carried out:
- (a) Clean the existing Ardrox in the areas specified in paragraphs (3)(a), (b), (c) and (d) using CoMat 03-13 Methylated Spirit with a 5 mm wide soft brush. Complete removal of the existing Ardrox is not required.
 - (b) Re-apply Ardrox 3302 on to existing Ardrox sealant using a 5 mm wide soft brush.
- (9) Recording instructions
- (a) A record of accomplishment is required.

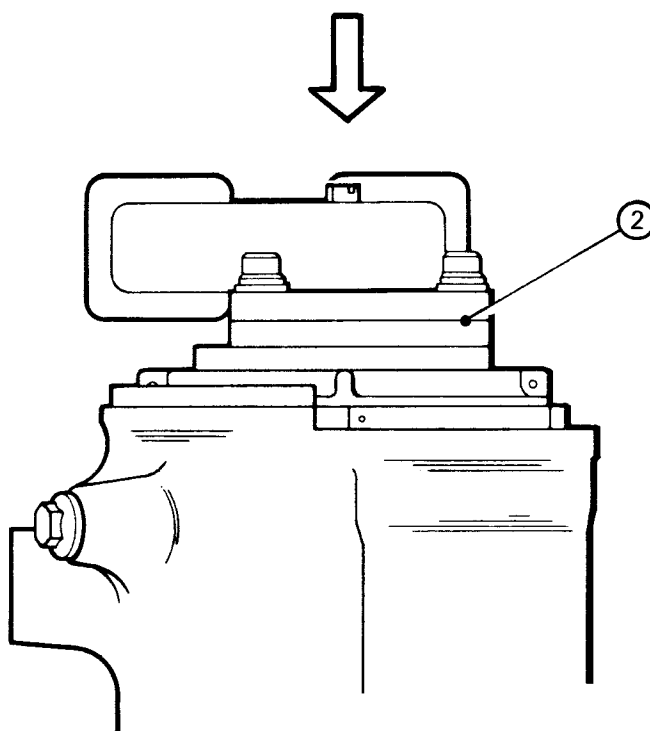
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Location of joint faces on VSVA to be sealed
Fig.1

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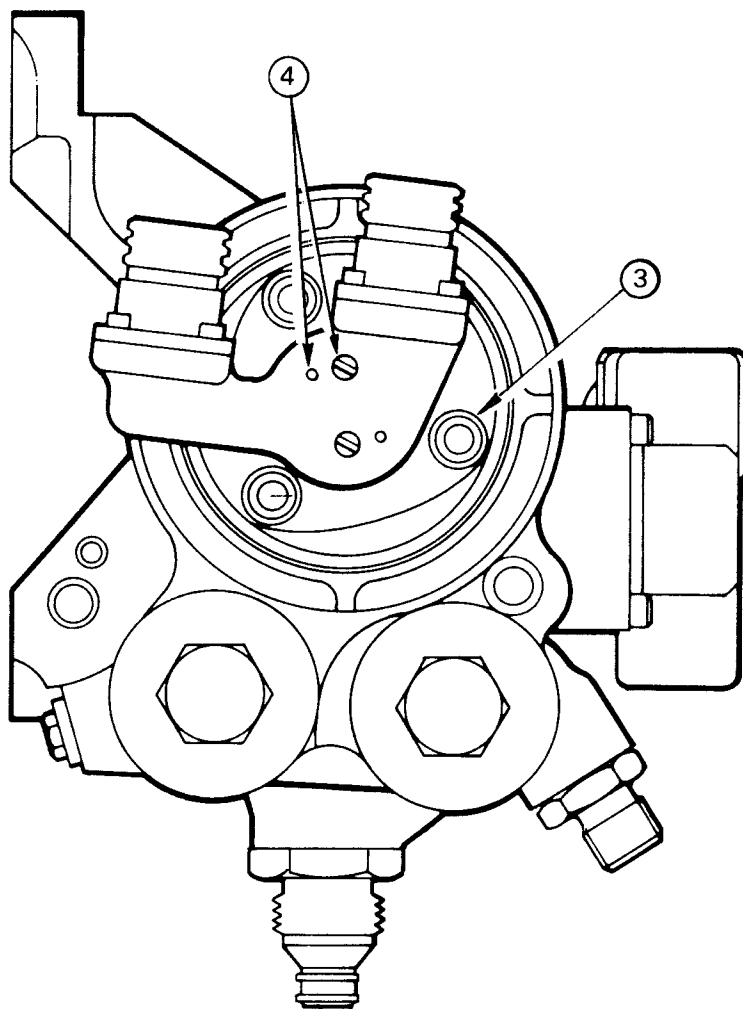
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Location of joint faces on VSVA to be sealed
Fig.2

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Location of joint faces on VSVA to be sealed
Fig.3

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