



International Aero Engines SERVICE BULLETIN

ENGINE - POWER PLANT - EEC HARNESS FAN - CONTROLLED
SERVICE USE OF ALTERNATIVE CONNECTOR SOCKETS

MODEL APPLICATION

V2527-A5
V2530-A5

BULLETIN INDEX LOCATOR

71-00-00

Compliance Category Code

Not applicable

Internal Reference No.

94VR801

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1. Planning Information

A. Effectivity

(1) Aircraft:

(a) Airbus A320

(b) Airbus A321

(2) Engine:

(a) V2527-A5 Engines, Serial Nos. to be determined by IAE.

(b) V2530-A5 Engines, Serial Nos. to be determined by IAE.

B. Reason

To gain service experience of an alternative connector socket.

The existing Fuel Temperature sensor connector and corresponding EEC connectors, J4 and J10 use a two-point contact socket. The alternative sockets use a four-point contact design which should result in improved operating characteristics.

C. Compliance

Category Code not applicable

This Service Bulletin is released for the purpose of controlled service introduction.

D. Approval

The 'compliance' statement and the procedures described 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) A320 Aircraft Maintenance Manual.

(2) A320 Aircraft Wiring Manual.



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F. Action

- (1) Open the Fan Cowl doors using the approved procedure in Reference (1), Chapter/Section 71-13-00.
- (2) Disconnect the 4000KS-J4 and 4000KS-J10 electrical connectors from the EEC using an IAE 1J12018 EEC harness wrench. Refer to Figure 1.
- (3) Disconnect the 4017KS-A electrical connector from the fuel temperature thermocouple on the FCOC. Refer to Figure 2.
- (4) Remove the existing sockets from contact positions C & D of the 4000KS-J4 and 4000KS-J10 electrical connectors on the EEC Fan harness and replace with the sockets specified in the table below. Use the approved procedures in Reference (2), Chapter/Section 20-71-21.
- (5) Remove the existing sockets from contact positions 2, 3, 5 and 6 in the 4017KS-A electrical connector on the EEC Fan harness and replace with the sockets specified in the table below. Use the approved procedures in Reference (2), Chapter/Section 20-71-21.

Connector	Contact	Replacement Socket No.
4000KS-J4	C	T3-4120-10P
	D	T3-4120-10R
4000KS-J10	C	T3-4120-10P
	D	T3-4120-10R
4017KS-A	2	BT-4116-10P-Y165
	3	BT-4116-10R-Y165
	5	BT-4116-10P-Y165
	6	BT-4116-10R-Y165

- (6) Connect the 4000KS-J4 and 4000KS-J10 electrical connectors to the EEC and torque to 32 lbfin (3,6 Nm) using the IAE 1J12018 EEC harness wrench. Refer to Figure 1.
- (7) Connect the 4017KS-A electrical connector to the fuel temperature thermocouple on the FCOC and torque to 18 lbfin (2,0 Nm). Refer to Figure 2.

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- (8) Close the Fan Cowl doors using the approved procedure in Reference (1), Chapter/Section 71-13-00.
- (9) Do an operational test of the EEC using the approved procedure in Reference (1), Chapter/Section 73-22-34.
- (10) Do an operational test of the FADEC system using the approved procedure in Reference (1), Chapter/Section 73-22-00.

2. Equipment

A. The following equipment is required to accomplish this Service Bulletin:

IAE 1J12018 EEC harness wrench.

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3. Material Information

Applicability: For each V2500 Engine subject to Paragraph 1.A. (2) 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
T3-4120-10P (71-51-41)	1	-	. . Contact, Socket	5100-299-0220 (04-067)	(A) (B)
T3-4120-10R (71-51-41)	1	-	. . Contact, Socket	5100-299-0120 (04-068)	(A) (B)
T3-4120-10P (71-51-41)	1	-	. . Contact, Socket	5100-299-0220 (04-147)	(A) (B)
T3-4120-10R (71-51-41)	1	-	. . Contact, Socket	5100-299-0120 (04-148)	(A) (B)
BT-4116-10P-Y165 (71-51-41)	2	-	. . Contact, Socket	ESC30S16NC (04-427)	(A) (B)
BT-4116-10R-Y165 (71-51-41)	2	-	. . Contact, Socket	ESC30S16NA (04-428)	(A) (B)

C. Instructions/Disposition Code Statements:

(A) Obtain the new part number from the IAE representative.

(B) Hold old part at site.

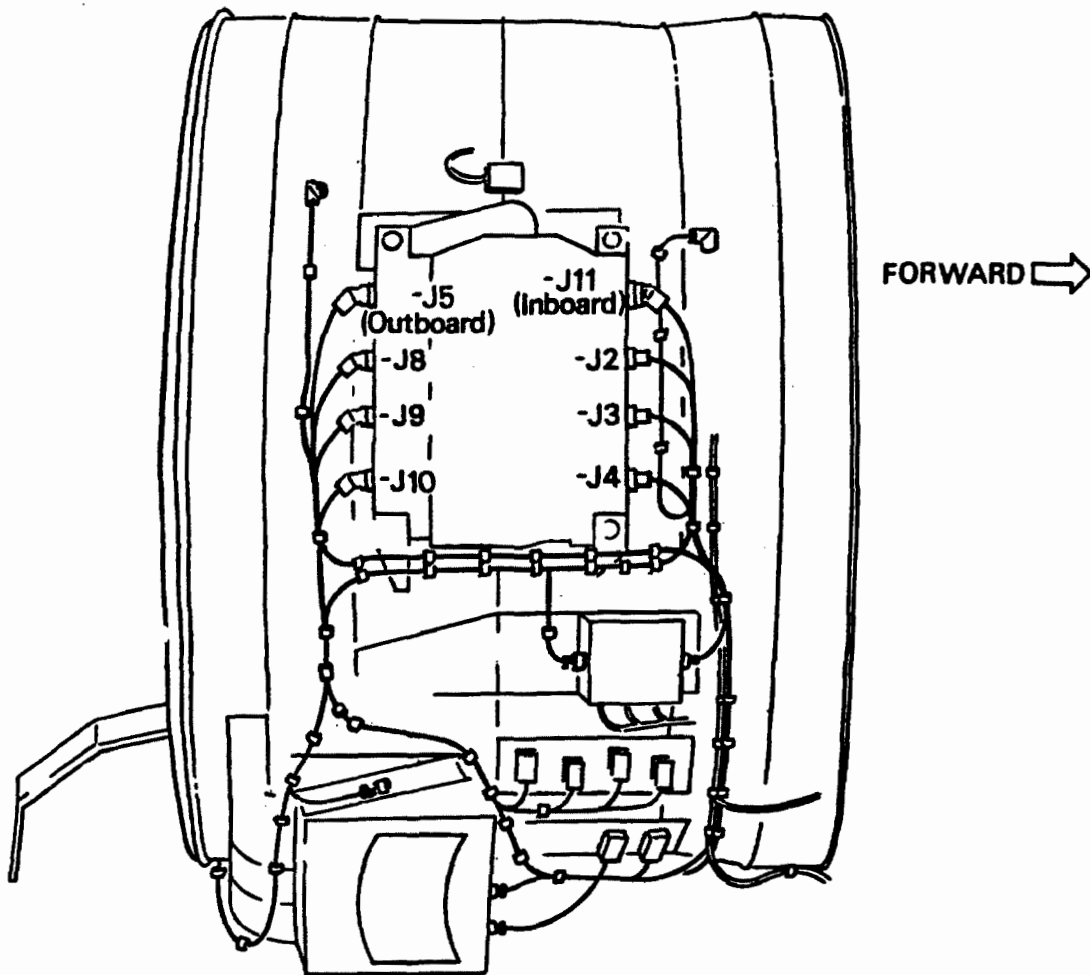
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RIGHT SIDE OF THE LP COMPRESSOR/INTERMEDIATE
CASE MODULE

E3493

Location of 4000KS-J4 and 4000KS-J10 connectors

Figure 1

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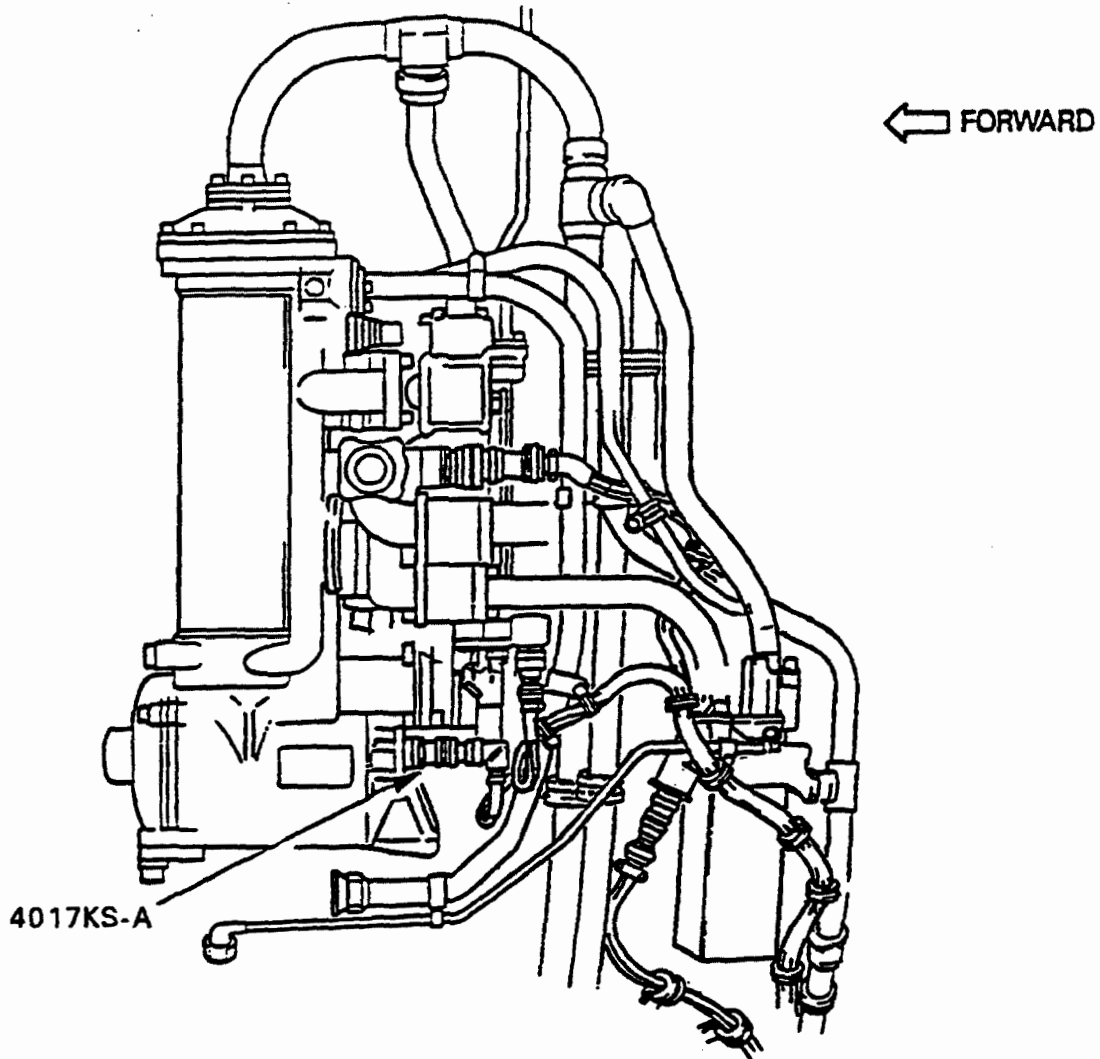
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**LEFT SIDE OF LP COMPRESSOR/INTERMEDIATE
CASE MODULE**

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Location of 4017KS-A connector

Figure 2

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