



SERVICE BULLETIN

ENGINE INDICATING - ENGINE - IGNITION - INCORPORATE AN EGT HARNESS AND JUNCTION BOX FEATURING IMPROVED WIRING BETWEEN THE ELECTRONIC ENGINE CONTROL (EEC) CHANNELS - CATEGORY CODE 7 - MOD.ENG-77-0004

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines Serial No.s V0003 through V0106 except Engine Serial No.V0007.

B. Reason

(1) Condition

Engine temperature distribution related to Thermocouple average locations could cause channel A and B averages to disagree.

(2) Background

During engine starts and at idle a difference in thermocouple averages on Channels A and B was seen.

Engine tests showed average Thermocouple differences. A possibility for wire chafing of the engine harness assembly was found.

(3) Objective

To get a closer T4.9 Thermocouple average comparison between control channels.

(4) Substantiation

Engine Tests and Thermocouple temperatures were monitored.

(5) Effects 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 EGT Harness and Junction Box is replaced to get a closer T4.9 Thermocouple Average Comparison between control channels.

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 7

Accomplish when supply of superseded parts has been depleted.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	Not applicable

G. Material Price and Availability

- (1) Modification kit not required.
- (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.. .. . No effect
- (3) Datum Engine front mount centerline
(Powerplant Station P.P.S.100)

J. Electrical Load Data

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

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K. References

- (1) Internal Reference No.

89VA022

- (2) Other References

Harco Service Bulletin No.77-8

IAE V2500 Service Bulletin Numbers.

V2500-Eng-77-0002

V2500-Eng-77-0003

The V2500 Engine Manual

L. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 77-21-43, to add the new part.

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2. Accomplishment Instructions

A. Rework Instructions

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

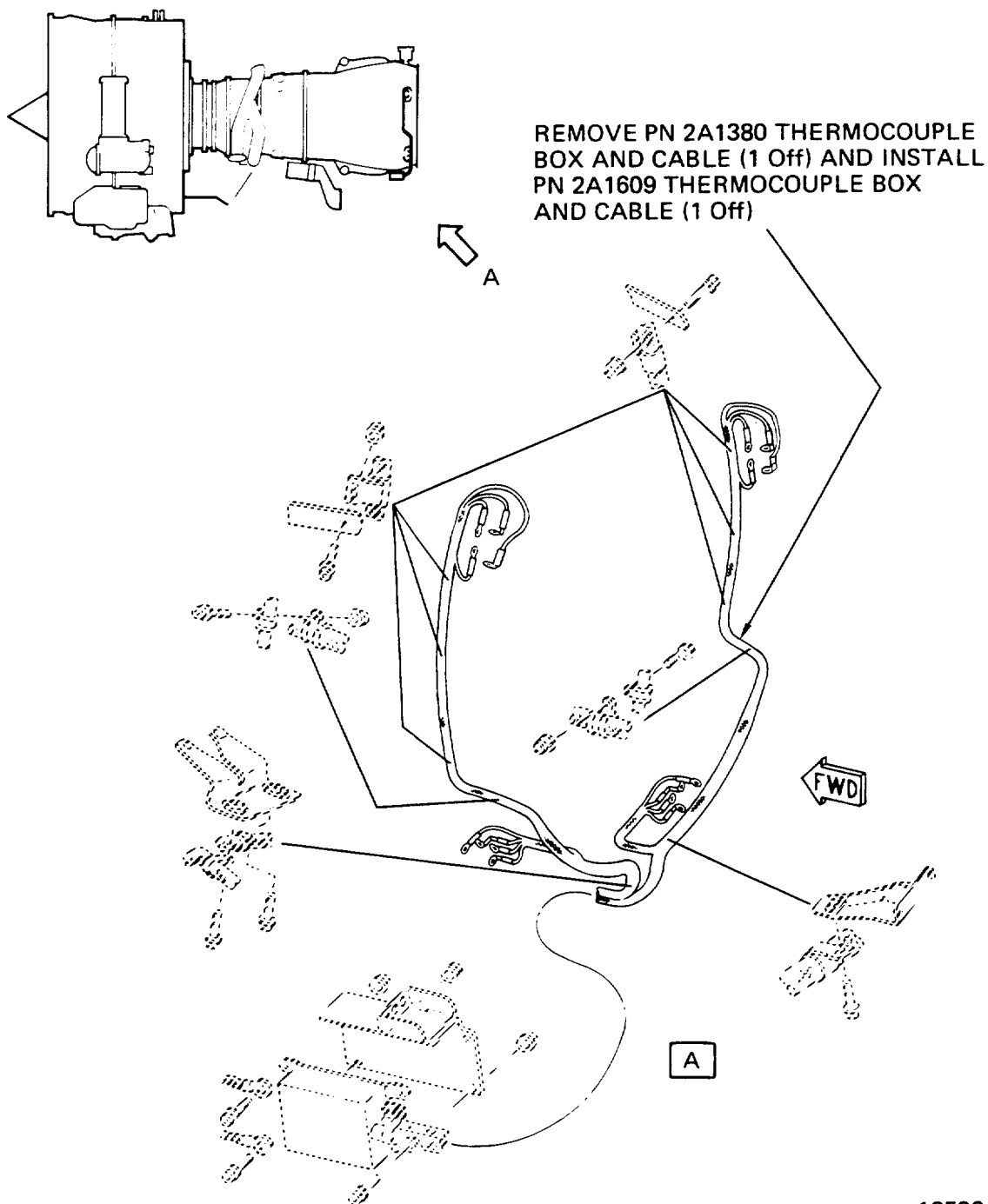
B. Assembly Instructions

- (1) Replace the 2A1380 Thermocouple Box and Cable (1 off) with the 2A1609 Thermocouple Box and Cable (1 off) by the approved procedures in Reference (2), and Reference (3), Chapter/Section 72-00-50 Installation-07.

C. Recording Instructions

- (1) A record of accomplishment is necessary.

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Location of EGT Harness and Junction Box
Fig.1

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3. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

2A1609 (77-21-43)	1	Box and Cable - TC	2A1380 (01-010)	(A)(B)(C)
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C. Instruction/Disposition Code Statements:

- (A) New Part is currently available.
- (B) Old Part is no longer available.
- (C) Order 2A1609 Box and Cable Assembly from

Harco Lab Inc.
186 Cedar Street, Box 10
Branford, Ct. 06405-0261
P/N # HAD 19824

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