



POWER PLANT - ELECTRICAL HARNESS - LIGHT DUTY - EEC HARNESS - CORE - INTRODUCTION OF  
REVISED CLIPPING FOR EGT HARNESS ASSEMBLY - CATEGORY CODE 7 - MOD.ENG-71-0199

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A319  
(b) Airbus A320  
(c) Airbus A321
- (2) Engines: (a) V2522-A5 Engines prior to Serial No.V10117  
(b) V2524-A5 Engines prior to Serial No.V10117  
(c) V2527-A5 Engines prior to Serial No.V10117  
(d) V2530-A5 Engines prior to Serial No.V10117

B. Concurrent Requirements

This modification must only be fitted to engines which embody IAE V2500 Service Bulletin 72-0189 (see 1.L).

C. Reason

(1) Condition

An analysis of the EGT light-duty harness has shown that a loom needs to be re-routed.

(2) Background

The problem was found during an engine inspection with Airbus Industrie.

(3) Objective

The purpose of this Service Bulletin is to make the installation of the harness better.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes contained in this Service Bulletin.

(5) Effect of Bulletin on Workshop Procedures

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## SERVICE BULLETIN

Removal/Installation	Affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Affected
Repair	Affected
Testing	Affected

## (6) Supplement Information

None.

D. Description

- (1) This Service Bulletin consists of an EGT light-duty harness which has a lead with a different routing. The lead which has a different routing supplies the 4007VC-A connector. So that the routing of the lead can change, the harness has been moved from clip point CP6086 to CP6073.

The changes are as follows:

- (a) At clip point CP6086, the length of the bolt has decreased and a clip has been deleted.
- (b) At clip point CP6073, the length of the bolt has increased and a clip and spacer have been added.

E. Approval

The part number changes and/or part modifications are given in Section 2 and 3 of this Service Bulletin. They obey the applicable Federal Aviation Regulations and FAA-APPROVED for the Engine Model Listed.

F. Compliance

Category Code 7.

This Service Bulletin can be done when the subassembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to get access to all affected parts.

G. Manpower

Estimate to the man hours necessary to do this Service Bulletin in full

Venue	Estimated Man-hours
(1) In service    ..    ..    ..	Not applicable
(2) At overhaul    ..    ..    ..	No more manhours are necessary to do this Service Bulletin

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

#### H. Material – Price and Availability

(1) A Modification kit is not necessary.

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

#### I. Tooling – Price and Availability

Special tools are not necessary.

#### J. Weight and Balance

- |     |               |    |    |    |  |
|-----|---------------|----|----|----|--|
| (1) | Weight change | .. | .. | .. | None   |
| (2) | Moment Arm    | .. | .. | .. | No effect  |
| (3) | Datum         | .. | .. | .. | Engine front mount centreline<br>(Power Plant Station – PPS 100) |

#### K. Electrical Load Data

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

#### L. References

(1) Internal Reference No.

EC94VR049

(2) Other References

The Service Bulletin that follows must be installed before or at the same time as this Service Bulletin:

72-0189    Engine – Core Engine Tubes – Tube assemblies coupled to bifurcation panel re-run to increase clearance with C-duct hold-open rods

#### M. Other Publications Affected

- (1) Illustrated parts catalogue (IPC), Chapter/Section, 71-52-43 and 75-32-49
- (2) V2500 Engine Manual (EM), Chapter/Section 72-00-40, Removal/Installation.
- (3) A319, A320 and A321 Aircraft Maintenance Manual (AMM), Chapter/Section 71-52-41 and 73-11-41 Removal/Installation.



## 2. Accomplishment Instructions

### A. Rework Instructions

None.

### B. Assembly Instructions

- (1) Remove the EGT harness from CP6086
  - (a) Replace the bolt 4W0113 with bolt 4W0112
  - (b) Remove and discard the clip
  - (c) Safety CP6086
- (2) Attach the harness to CP6073
  - (a) Disassemble CP6073
  - (b) Attach loop clamp (AS62502) to the EGT harness
  - (c) Replace bolt 4W0102 with bolt 4W0111
  - (d) Attach the loop clamp to CP6073 with bolt 4W0102 and the new spacer
  - (e) Safety CP6073

NOTE: For the correct removal/installation and disassembly/assembly procedures refer to the applicable aircraft maintenance manual

### C. Recording Instructions

- (1) A record of accomplishment is necessary.



## SERVICE BULLETIN

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
4W0112 (71-52-43)	1	2.95	Bolt, machine double hex (.190 dia x 1.062) (CP6086)	4W0113 (01-542)	(A)(S1)(1D)
AS62502 (71-52-43)	1	8.50	Clamp, loop, style, cushion (.125 dia) (CP6073)	AS62502 (01-545)	(2D)
4W0111 (75-32-49)	1	4.29	Bolt, machine double hex (.190 dia x 1.000) (CP6073)	4W0102 (15-581)	(A)(S1)(1D)
LK53193 (75-32-49)	1	11.30	Spacer (12,70 mm)(CP6073)	- (15-586)	(A)(B)

NOTE: The 1997 unit prices shown are an estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact IAE's Spare Parts Sales Department.

C. Instructions Disposition Codes

- (A) New part is currently available.
- (B) Additional part.
- (S1) Old and new parts are not interchangeable.
- (1D) Old parts may be used up on other applications.
- (2D) Transferred from clip point CP6086 to CP6073.

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