



POWER PLANT - GENERAL SERVICES HARNESS (LOOM E) - DELETION OF CLIP NUT AT CP7847 -
CATEGORY CODE 7 - MOD.ENG-71-0205

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engines: (a) V2525-D5 Engines prior to Serial No.V20009
(b) V2528-D5 Engines prior to Serial No.V20009

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Assembly of the clipping point CP7847 of the harness loom 'E' can be difficult.

The problem is caused by unsatisfactory access to the bolt head in this area.

(2) Background

The problem has been found on production engines.

(3) Objective

The purpose of this Service Bulletin is to make engine build easier.

(4) Substantiation

The changes in this Service Bulletin have been the subject of satisfactory engineering analysis. A satisfactory trial installation on a V2500 mock-up engine has also been done.

(5) Effect of Bulletin on Workshop Procedures:

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SERVICE BULLETIN

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.

D. Description

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

- (a) Clipping point CP7847 has been changed. The clip nut has been replaced with a standard nut. In addition, the position of the bolt and nut has been moved through 180 degrees.

E. Approval

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

F. Compliance

CATEGORY CODE 7.

This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

Estimate of manhours necessary to do this Service Bulletin in full:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	No additional time will be required to do this Service Bulletin

Note: The parts affected by this Service Bulletin can be accessed at overhaul.

H. Material - Price and Availability

- (1) Modification Kit not necessary.
- (2) See "Material Information" section for prices and availability of new spares.

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**I. Tooling - Price and Availability**

Special tools are not necessary.

J. Weight and Balance

- | | | | | | |
|-----|---------------|----|----|----|---|
| (1) | Weight change | .. | .. | .. | None |
| (2) | Moment arm | .. | .. | .. | No change |
| (3) | Datum | .. | .. | .. | Engine front mount centreline (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.

EC94VR026

M. Other Publications Affected

- (1) Engine Manual, Chapter/Section 72-00-40, PB401.
- (2) MD-90 Aircraft Maintenance Manual (AMM), Chapter/Section 71-52-51, PB401.
- (3) Illustrated Parts Catalogue (IPC), Chapter/Section 71-52-51.



2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

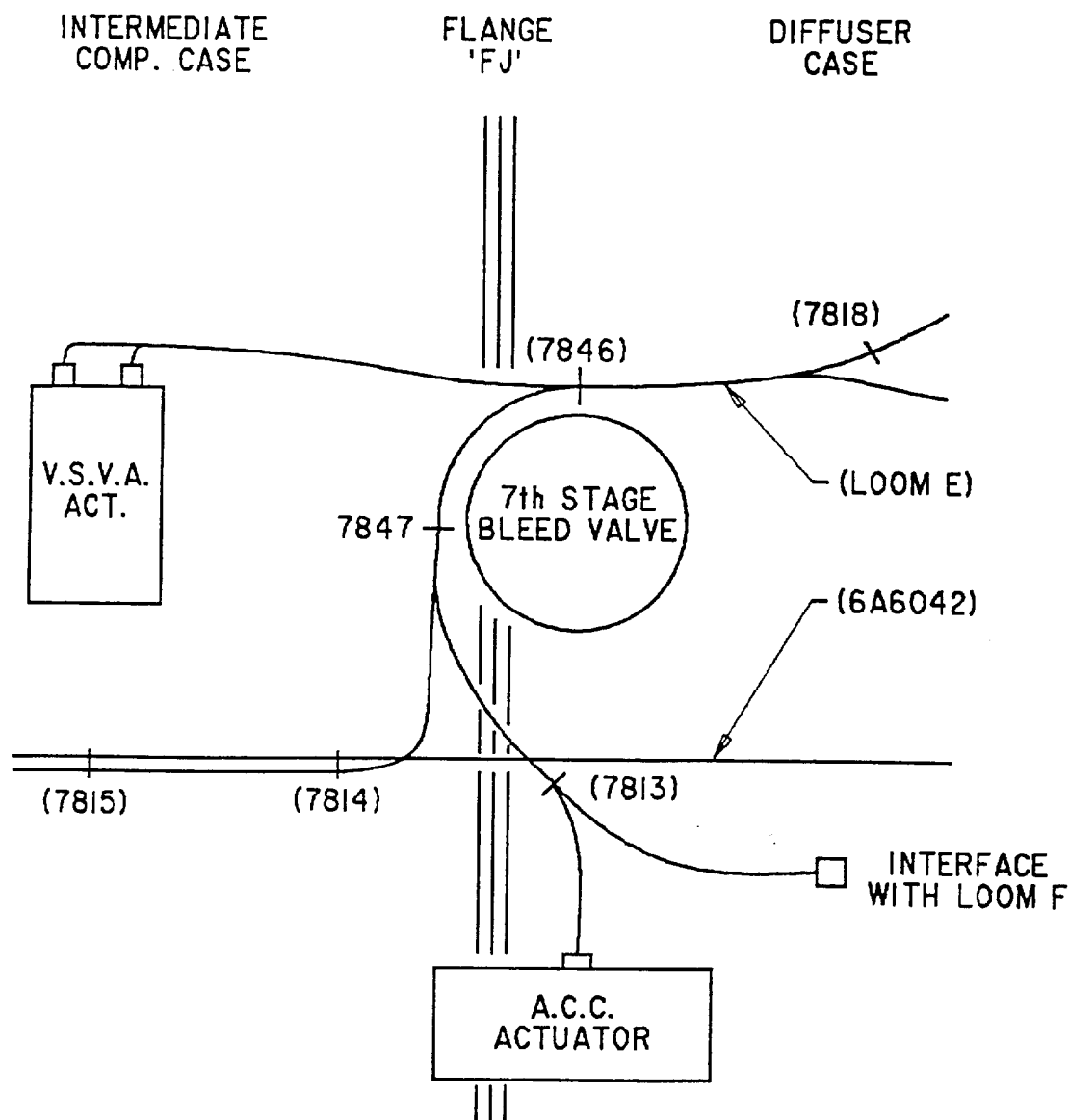
- (1) To replace the parts refer to the correct procedures in the MD-90 aircraft maintenance manual (AMM), Chapter/Section 71-52-51 or engine manual (EM), Chapter/Section 72-00-40.

C. Recording Instructions

- (1) A record of accomplishment is necessary.

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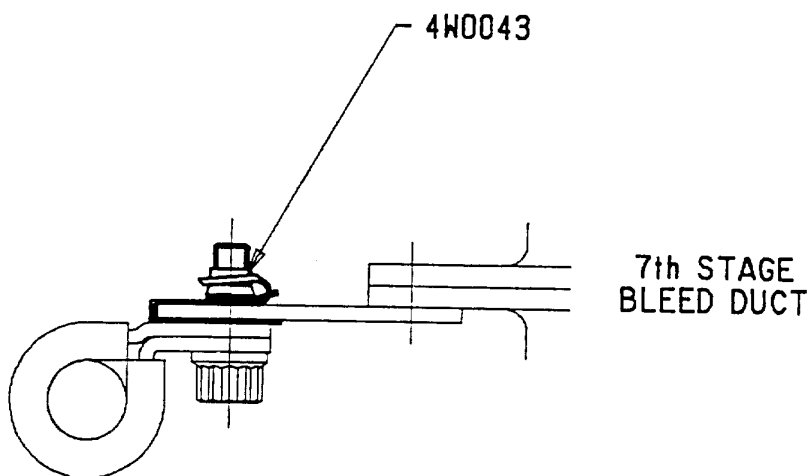


Diagrammatic view on loom E showing position of clip point 7847
Fig.1

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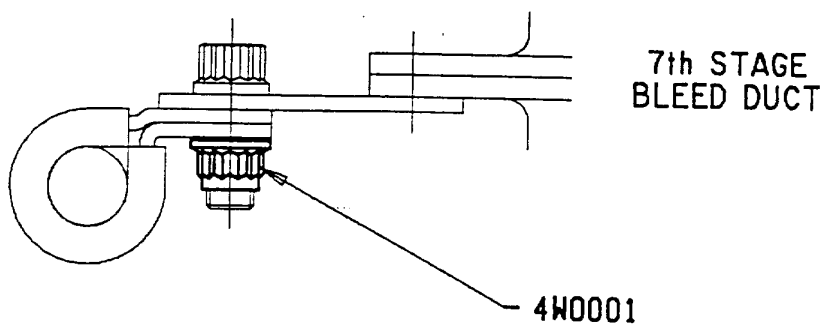


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CLIPPING POINT 7847
BEFORE ALTERATION

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Clipping point 7847 after alteration
Fig.2

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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
4W0001 (71-52-51)	1	2.67	Nut, self locking dbl hex (0.190 dia)(CP7847)	4W0043 (01-072)	(A)(S1)(1D)

NOTE: The unit prices, if 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 code statements:

- (A) New part is currently available.
- (S1) Old and new parts are freely and fully interchangeable.
- (1D) Old part may be used up on other applications.

