



POWER PLANT - ENGINE - FANCASE - SUPPORT BRACKETS, ATTACHING BOLTS - VARIOUS CHANGES -
CATEGORY CODE 7 - MOD.ENG-71-0155

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
(b) Airbus A321
- (2) Engine: (a) V2500-A5 Engines Prior To V10065

B. Concurrent Requirements

Service Bulletin V2500-ENG-72-0160 must be incorporated concurrently with Service Bulletin V2500-ENG-71-0155.

C. Reason

(1) Condition

The PMA cooling tubes are rerouted for future provision of a low nox system (ref : Service Bulletin V2500-ENG-72-0160). This necessitates the replacement of various bracket attaching bolts and the introduction of a new a spacer.

(2) Background

N/A

(3) Objective

To make provision for a future low nox system.

(4) Substantiation

Trial installation of this Service Bulletin was satisfactory.

(5) Effect of Bulletin on:

(a) Removal/Installation	Affected
(b) Disassembly/Assembly	Not affected
(c) Cleaning	Not affected
(d) Inspection/Check	Not affected
(e) Repair	Not affected
(f) Testing	Not affected

(6) Supplemental Information

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The A320/V2500 Engine Manual 72-00-32 requires revision to instruct the new spacer introduced by this Service Bulletin.

D. Description

(1) The changes introduced by this Service Bulletin are as follows:-

- (a) The existing bolts that attach the 740-5446-507 bracket are removed and replaced with longer bolts.
- (b) A new spacer is introduced at clipping point CP0853 and the existing bolt is replaced with a longer bolt.
- (c) The existing bolts that attach the 745-5425-501 bracket at clipping point CP0859 are replaced with longer bolts.
- (d) The existing bolt that attaches the 745-5425-50 bracket at clipping points CP0858 and CP1182 is replaced with a longer one.

E. Approval

The technical content of this Service Bulletin is covered by an Airbus Industrie Modification No. which is under DGAC (Direction Generale de L'Aviation Civile - France) approval.

F. Compliance

Category 7

Accomplish when the supply of superseded parts has been depleted.

G. Manpower

Estimated manhours to incorporate the full intent of this Service Bulletin:

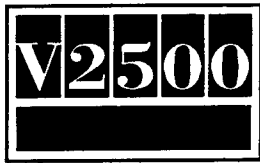
VENUE	ESTIMATED MANHOURS
(1) In Service	N/A
(2) At Overhaul	1.0
Total	1.0 M/Hrs

H. Material Cost and Availability

Modification Kit not required. Parts supplied as single line items.

I. Tooling - Cost and Availability

None required.



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J. Weight and Balance

- (1) Weight change None
- (2) Moment arm No effect
- (3) Datum Engine Front Mount Centerline
(Powerplant Station PPS 100.00)

Electrical Load Data

Not affected.

L. References

- (1) Internal Reference No.

93VN025A

M. Other Publications Affected

V2500-A5	Powerplant Illustrated Parts Catalog	71-51-42 71-51-43
V2500-A5	Engine Illustrated Parts Catalog	71-51-42 71-51-43
V2500-A5	Engine Manual	72-00-32

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2. Accomplishment Instructions

A. Pre-requisite Instructions

None

B. Assembly Instructions

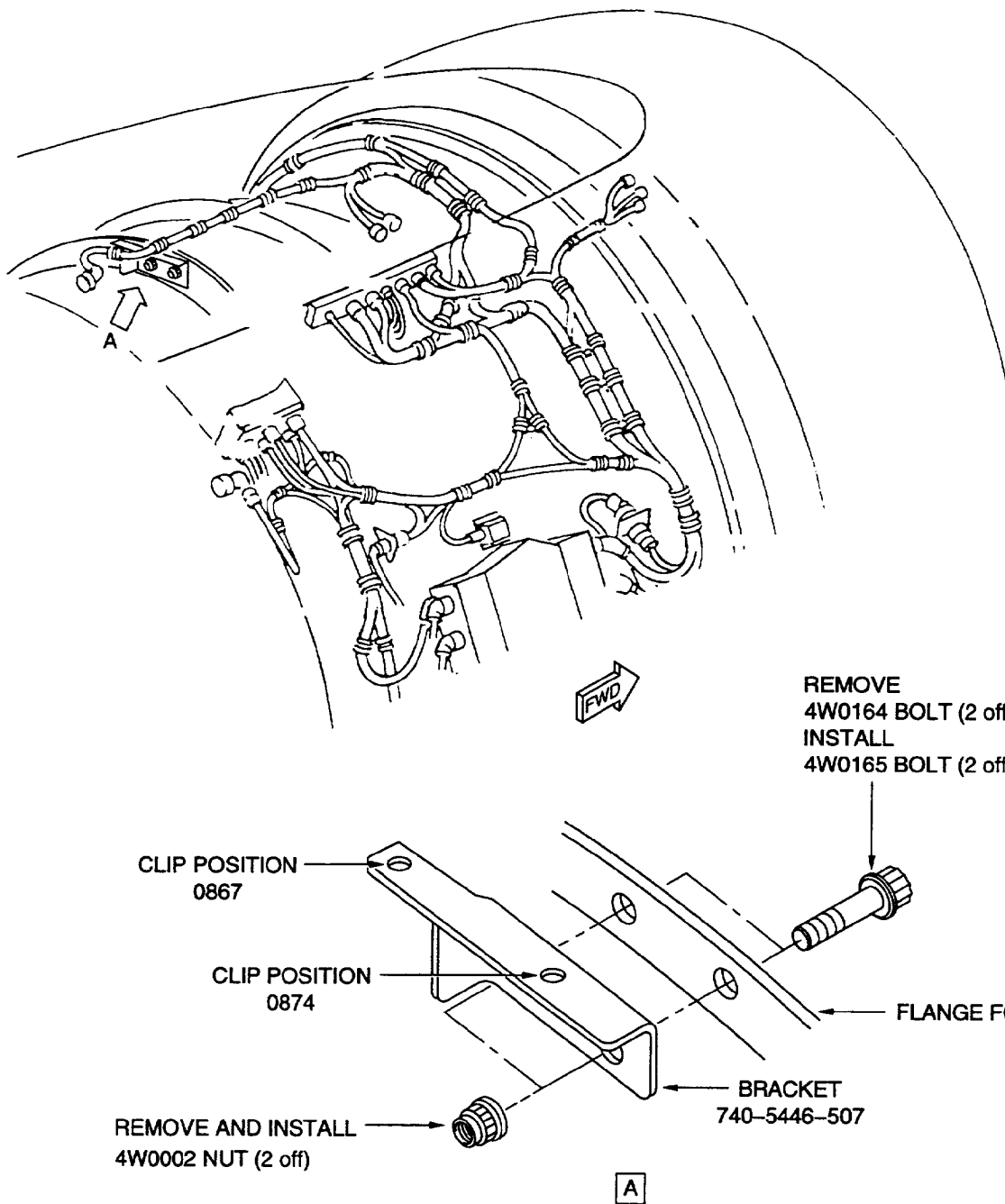
- (1) Attach the 740-5446-507 Bracket to the Flange FC at clipping points CP0867 and CP0874 using two new 4W0165 Bolts and two 4W0002 Nuts as shown. Torque each nut to between 85 and 105 lb in (10 to 12 Nm). Refer to Figure 1.
- (2) Assemble clipping point CP0853 as shown with a new AS21425 Bolt, TA02507409 Clip, ST1698D50 Spacer, a new ST1698D47 Spacer, AS20624 Nut and SP154D Washer. Torque the bolt to between 36 and 45 lb in (4 to 5 Nm). Refer to Figure 2.
- (3) Attach the 745-5425-501 Bracket to the Flange FA1 at clipping point CP0859 using two new 4W0165 Bolts and two 4W0002 Nuts as shown. Torque each nut to between 85 and 105 lb in (10 to 12 Nm). Refer to Figure 3 Sht 1.
- (4) Install a new 4W0165 Bolt and a 4W0002 Nut at clipping points CP0858 and CP1182 as shown. Torque the nut to between 85 and 105 lb in (10 to 12 Nm). Refer to Figure 3 Sht 2.

C. Post-requisite Instructions

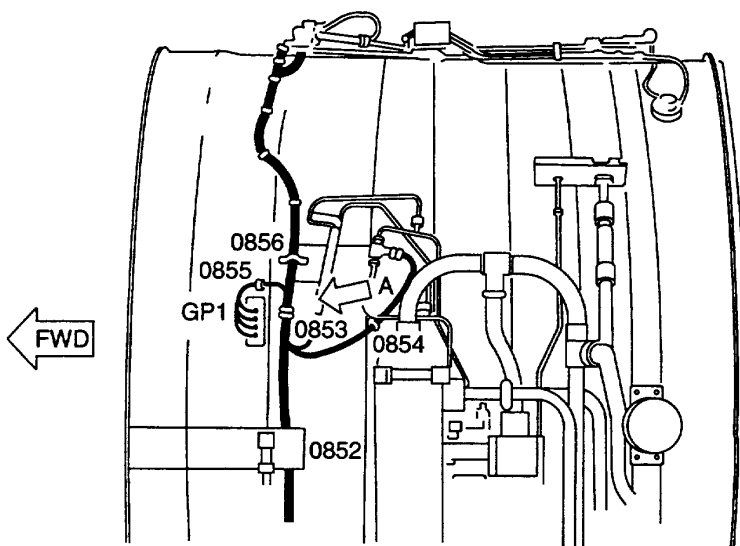
None.

Recording Instructions

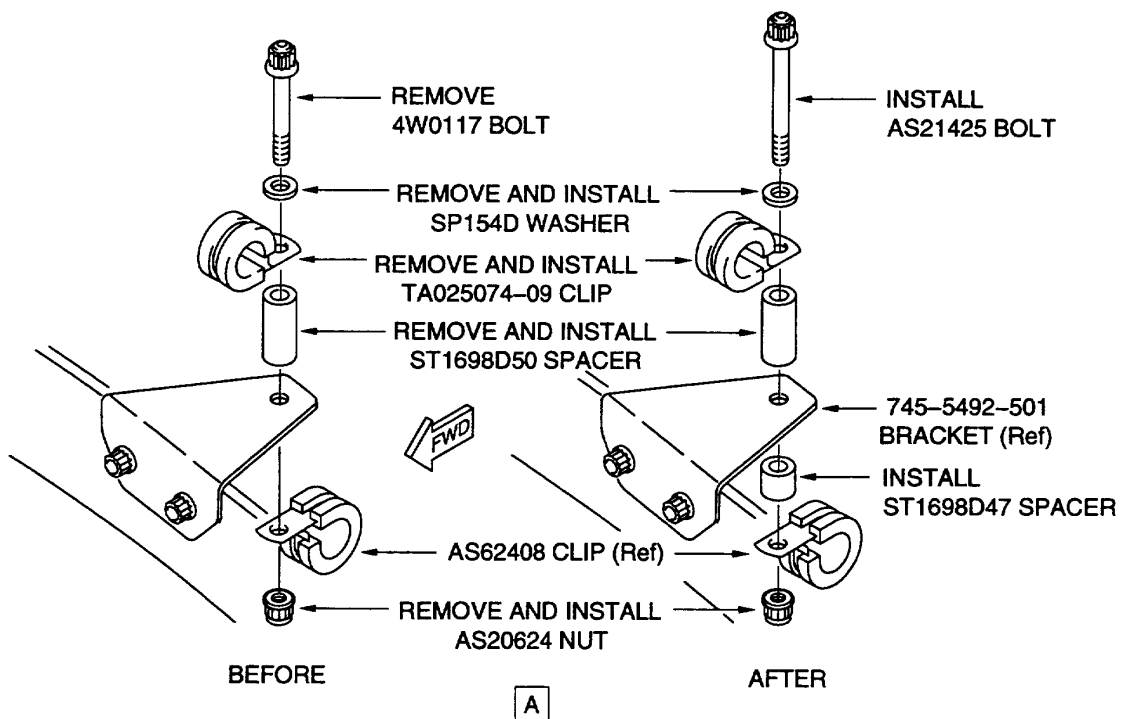
A record of accomplishment is necessary.



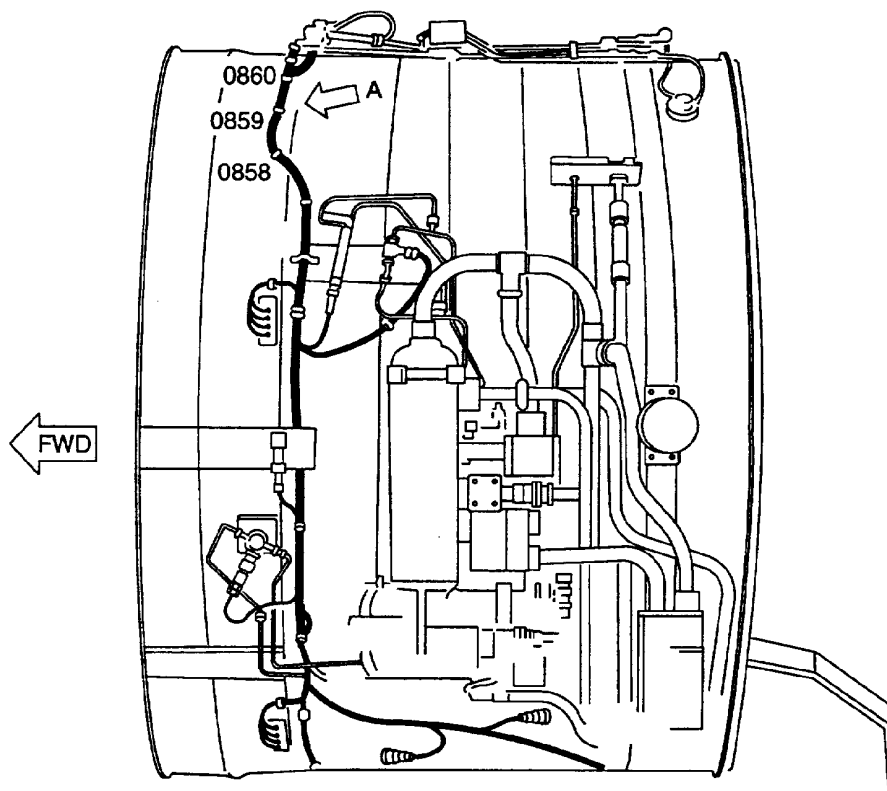
REPLACE BOLTS - CLIPPING POINT SUPPORT BRACKET
FIG.1



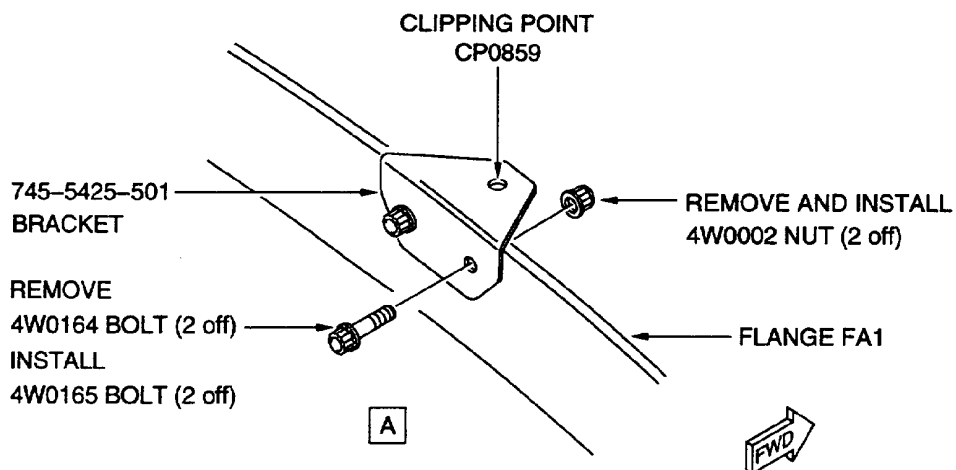
LEFT SIDE OF THE LP COMPRESSOR/INTERMEDIATE CASE MODULE



INSTALLATION OF LONGER BOLT AND SPACER AT CLIPPING POINT CP0853
FIG.2

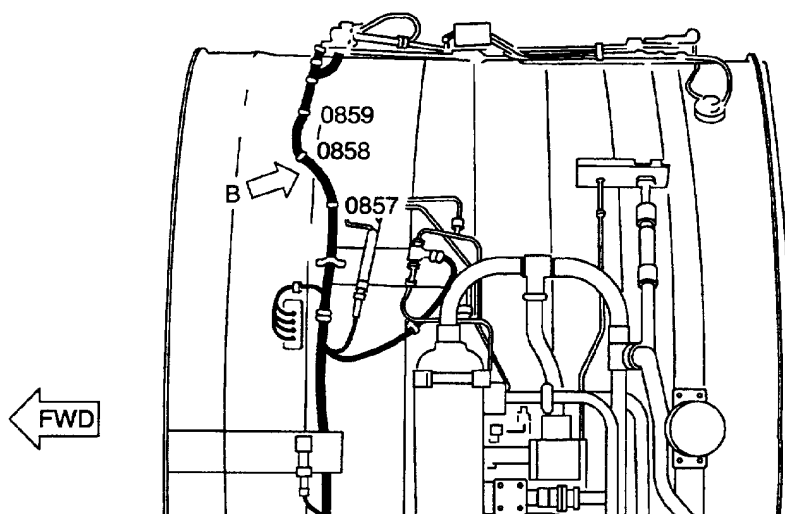


LEFT SIDE OF THE LP COMPRESSOR/INTERMEDIATE CASE MODULE

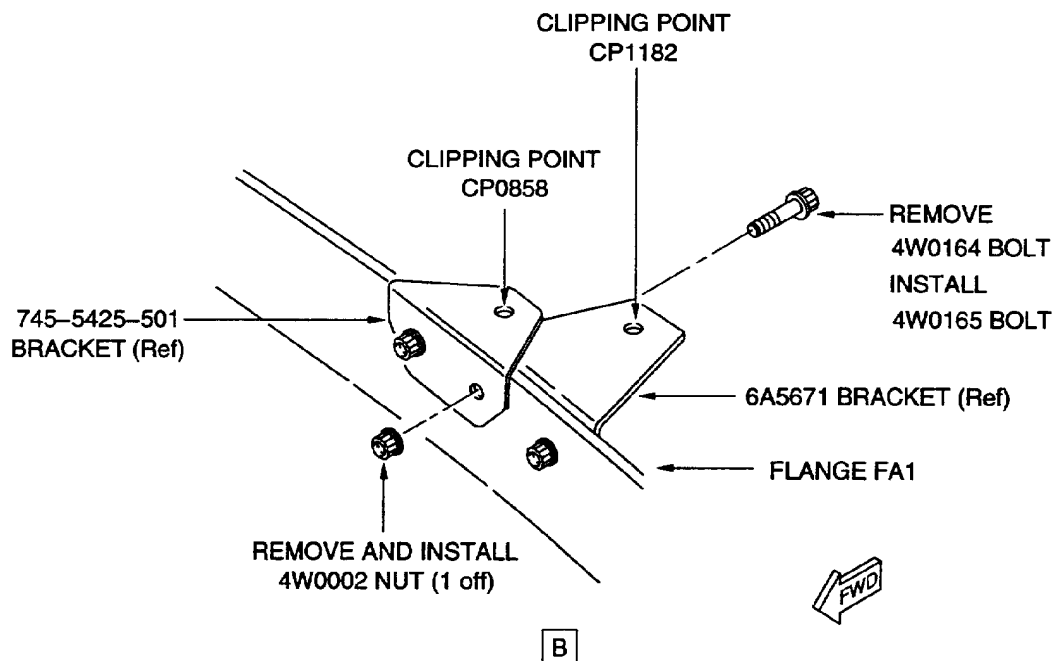


REPLACE BOLTS - CLIPPING POINT CP0859 SUPPORT BRACKET
FIG.3 (SHEET 1)

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LEFT SIDE OF THE LP COMPRESSOR/INTERMEDIATE
CASE MODULE



INSTALLATION OF LONGER BOLT AT CLIPPING POINT CP0858
FIG.3 (SHEET 2)

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SERVICE BULLETIN

New PART No (ATA No)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART No (IPC No)	INSTR/ DISPOS
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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

4W0165 (71-51-42)	2	.Bolt,CP0867,CP0874	4W0164 (05-834)	(A)(2D)
AS21425 (71-51-43)	1	.Bolt,CP0853	4W0117 (01-278)	(A)(2D)
ST1698D47 (71-51-43)	1	.Spacer,CP0853	---	(A)
4W0165 (71-51-43)	2	.Bolt,CP0859	(01-284)	
4W0165 (71-51-43)	1	.Bolt,CP0858	4W0164 (05-989)	(A)(2D)
			4W0164 (05-999)	(A)(2D)

C. Instructions/Dispositions Code Statements

(A) New part currently available.

(2D) Old part can be used up on other applications.

NOTE: The estimated 1997 unit price shown is provided for planning purposes only and does not constitute a firm quotation. Consult the Rohr Price Catalog or contact Rohr's Spares Parts Sales Department for information concerning firm prices.

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