



400 MAIN STREET, MAIL STOP 121-10
EAST HARTFORD, CT 06108, USA.
TELEPHONE:- 860 565 5515
FAX:- 860 565 0600

DATE: Dec. 1/05

P.O. BOX 31, DERBY
TELEGRAMS - 'ROYCAR' DERBY
TELEX - 37645
TELEPHONE:- 44 (0) 1332 242424
FAX:- 44 (0) 1332 249936

V2500-A1/A5 SERIES PROPULSION SYSTEM SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 2 to Service Bulletin EV2500-72-0503 and Revision 2 to the Supplement

Document History

Service Bulletin Revision Status
Initial Issue Jul.19/05
Revision 1 Aug.11/05

Supplement Revision Status
Initial Issue Jul.19/05
Revision 1 Aug.11/05

Bulletin Revision 2

Remove
All pages of the
Summary

Incorporate
Page 1 and 2 of the
Summary

Pages 1 to 21 of the
Service Bulletin

Pages 1 to 22 of the
Service Bulletin

Reason for change
To revise Effectivity. To incorporate assembly instruction and part number of Pre-SBE 75-0010 when this SB is introduced. Fig.3 revised.
To revise Effectivity. To incorporate assembly instruction and part number of Pre-SBE 75-0010 when this SB is introduced. Fig.3 revised.

V2500-ENG-72-0503

Transmittal - Page 1 of 3

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England
© Rolls-Royce plc (date as above) Printed in Great Britain

Supplement Revision 2

Remove
All pages

Incorporate
Page 1

Reason for change
To revise Effectivity. To
incorporate assembly
instruction and part number
of Pre-SBE 75-0010 when
this SB is introduced.
Fig.3 revised.

Printed in Great Britain

V2500-ENG-72-0503
Transmittal - Page 2

LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 to the Bulletin and Revision 2 to the Supplement are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
-------------	------------------------	----------------------

Summary

R 1	2	Dec.1/05
R 2	2	Dec.1/05

Bulletin

R 1	2	Dec.1/05
R 2	2	Dec.1/05
R 3	2	Dec.1/05
R 4	2	Dec.1/05
R 5	2	Dec.1/05
R 6	2	Dec.1/05
R 7	2	Dec.1/05
R 8	2	Dec.1/05
R 9	2	Dec.1/05
R 10	2	Dec.1/05
R 11	2	Dec.1/05
R 12	2	Dec.1/05
R 13	2	Dec.1/05
R 14	2	Dec.1/05
R 15	2	Dec.1/05
R 16	2	Dec.1/05
R 17	2	Dec.1/05
R 18	2	Dec.1/05
R 19	2	Dec.1/05
R 20	2	Dec.1/05
R 21	2	Dec.1/05
R 22	2	Dec.1/05

Supplement

R 1	2	Dec.1/05
-----	---	----------

Printed in Great Britain

ENGINE – LP COMPRESSOR – INTRODUCTION OF NEW BRACKET FOR MODIFIED FB FLANGE OF FAN
CASE ASSEMBLY

SUMMARY

1. PLANNING

A. EFFECTIVITY

Engine

V2500–A1 All Engines

V2500–A5 All Engines

B. CONCURRENT REQUIREMENTS

None

C. REASON

Problem:

Premature deterioration of the Fan case assembly may occur, which in extreme cases can result in cracking of the FB flange.

Evidence:

The problem has been found on in-service engines.

Objective:

The changes in configuration recommended in this Service Bulletin are intended to maintain engine durability. This modification should be embodied on engines with a cracked or damaged FB flange at the FCOC mount.

Substantiation

A satisfactory engineering analysis has been carried out on the changes introduced by this Service Bulletin.

D. DESCRIPTION

The length of the raft assembly abutment side is decreased to ensure assembly.

The holes of the raft assembly are elongated in the forward direction by a minimum amount to allow assembly.

To provide longer bolts and new washers for attachment of the raft assembly to the fan case.

The new repair-only part introduced for FB flange of the fan case assembly.

Modification of the existing fan case assembly is introduced, similar to the existing fan case assembly except for the length of the FB flange (FCOC top mount location) which is decreased to allow assembly of the extension bracket (P/N 5R0294).

E. COMPLIANCE

Category Code 8

Accomplish based upon experience with the prior configuration.

F. MANPOWER

In Service

R Not Applicable

At Overhaul – Scheduled removal

To scribe profile

30 minutes

To machine profile

45 minutes

Inspect, visual and dimensional

30 minutes

Crack test using fluorescent penetrant

1 hour

Re-ident part

15 minutes

Total: 3 hours

G. INTERCHANGEABILITY OF PARTS

Old part and new part are not interchangeable.

2. MATERIAL INFORMATION

Parts Prices

The estimated price of new material is \$2,035.00 to do this Service Bulletin when the part modification procedure is used.

ENGINE – LP COMPRESSOR – INTRODUCTION OF NEW BRACKET FOR MODIFIED FB FLANGE OF FAN
CASE ASSEMBLY

1. Planning Information

A. Effectivity

- (1) Airbus A319
 - (a) V2522-A5, V2524-A5 All Engines
- (2) Airbus A319CJ
 - (a) V2527M-A5 All Engines
- (3) Airbus A320
 - (a) V2500-A1 All Engines
 - (b) V2527-A5, V2527E-A5 All Engines
- (4) Airbus A321
 - (a) V2530-A5, V2533-A5 All Engines

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Premature deterioration of the Fan case assembly may occur, which in extreme cases can result in cracking of the FB flange.

(2) Evidence

The problem has been found on in-service engines.

(3) Objective

The changes in configuration recommended in this Service Bulletin are intended to maintain engine durability. This modification should be embodied on engines with a cracked or damaged FB flange at the FCOC mount.

(4) Substantiation

A satisfactory engineering analysis has been carried out on the changes introduced by this Service Bulletin.

(5) Effect of Bulletin on Workshop Procedures:

(a) Operation

Not affected.

(b) Maintenance

Affected (See Supplemental Information).

(c) Overhaul

Not affected.

(d) Repair Schemes

Not affected.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

(6) Supplemental Information

The assembly of the Post Service Bulletin configuration requires instructions for installing longer bolts, additional washers and modified raft assembly, and the revised procedures for installing the extension bracket in place of the damaged FB flange on the Fan Case assembly.

D. Description

(1) The changes introduced are:

(a) Modification of existing raft assembly is introduced, similar to the existing raft assembly except for the following:

(i) The length of the raft assembly abutment side is decreased to ensure assembly, see Figure 2.

(ii) The holes of the raft assembly are elongated in the forward direction by a minimum amount to allow assembly, see Figure 2.

(b) To provide longer bolts and new washers for attachment of the raft assembly to the fan case.

(c) The new repair-only part introduced for FB flange of the fan case assembly.

- (d) Modification of the existing fan case assembly is introduced, similar to the existing fan case assembly except for the length of the FB flange (FCOC top mount location) which is decreased to allow assembly of the extension bracket (P/N 5R0294), see Figure 3.

E. Compliance

Category Code 8

Accomplish based upon experience with the prior configuration.

F. 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(s) listed.

G. Manpower

Estimate of man-hours necessary to embody this Service Bulletin in full:

(1) In Service

Not applicable.

(2) At Overhaul – Scheduled removal

NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul.

(a) To scribe profile

30 minutes

(b) To machine profile

45 minutes

(c) Inspect, visual and dimensional

30 minutes

(d) Crack test using fluorescent penetrant

1 hour

(e) Re-ident part

15 minutes

Total: 3 hours

H. Material – Price and Availability

Modification kit not required.

For prices and availability of future spares, see Supplement to this bulletin.

I. Tooling – Price and Availability

Special tools are not required.

J. Industry Support Information

Not applicable.

K. Weight and Balance**(1) Weight Change**

None.

(2) Moment Arm

No effect.

(3) Datum

Engine Front Mount Centreline (Power Plant Station (PPS) 100).

L. Electrical Load Data

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

M. Software Accomplishment Summary

Not applicable.

N. References

(1) V2500 Engine Manual, E-V2500-11A.

R (2) Internal Reference No. – 05VJ013, 05VN303 and 05VN303A.

(3) ATA Locator – 72-32-85.

(4) IAE V2500 Service Bulletins:

ENG-75-0010: AIR – ENGINE – DEDICATED ALTERNATOR – COOLING AIR SUPPLY.

ENG-70-0458: TO REVERT TO OLD STANDARD BRACKET

O. Other Publications Affected

- (1) Engine Illustrated Parts Catalogue, 71-51-43, 72-32-85 and 79-22-49.
- (2) V2500 Engine Manual, E-V2500-1IA, 72-00-32, Installation/Removal.

P. Interchangeability of Parts

Affected – Refer to Section 2 Material Information.

2. Material Information

A. Kit required consists of the following parts:

None.

B. Parts to be reworked

R

V2500-A1

71-51-43

R
R

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
05-990	740-5773-9503	1	Raft assembly	-	740-5773-503	(B)(C) (S1)(S2)
05-990	740-5773-9507	1	Raft assembly	-	740-5773-507	(B)(C) (S1)(S2)

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5 Engines

71-51-43

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
05-990	740-5773-9507	1	Raft assembly	-	740-5773-507	(B)(C) (S1)(S2)

V2500-A1 Engines

72-32-85

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-100	5W0201	1	Case, A/O Fan	-	5W0069	(D)(1D)
01-100	5W0199	1	Case, A/O Fan	-	5W0072	(D)(1D)
01-100	5W0202	1	Case, A/O Fan	-	5W0081	(D)(1D)
01-100	5W0203	1	Case, A/O Fan	-	5W0093	(D)(1D)
01-100	5W0204	1	Case, A/O Fan	-	5W0094	(D)(1D)
01-100	5W0205	1	Case, A/O Fan	-	5W0100	(D)(1D)
01-100	5W0206	1	Case, A/O Fan	-	5W0124	(D)(1D)
01-100	5W0207	1	Case, A/O Fan	-	5W0168	(D)(1D)
01-100	5W0208	1	Case, A/O Fan	-	5W0171	(D)(1D)
01-100	5W0209	1	Case, A/O Fan	-	5W0184	(D)(1D)
01-100	5W0210	1	Case, A/O Fan	-	5W0186	(D)(1D)

V2500-ENG-72-0503

Jul. 19/05
R Dec. 1/05

Page 6

© Rolls-Royce plc

Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-100	5W0211	1	Case, A/O Fan	—	5W0187	(D)(1D)
01-100	5W0212	1	Case, A/O Fan	—	5W0188	(D)(1D)
01-100	5W0213	1	Case, A/O Fan	—	5W0189	(D)(1D)
01-100	5W0200	1	Case, A/O Fan	—	5W0190	(D)(1D)
01-100	5W0214	1	Case, A/O Fan	—	5W0191	(D)(1D)
01-100	5W0215	1	Case, A/O Fan	—	5W0192	(D)(1D)
01-100	5W0216	1	Case, A/O Fan	—	5W0193	(D)(1D)

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5 Engines

72-32-85

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-100	5W0217	1	Case, A/O Fan	—	5W0144	(D)(1D)
01-100	5W0219	1	Case, A/O Fan	—	5W0154	(D)(1D)
01-100	5W0220	1	Case, A/O Fan	—	5W0169	(D)(1D)
01-100	5W0221	1	Case, A/O Fan	—	5W0172	(D)(1D)
01-100	5W0222	1	Case, A/O Fan	—	5W0194	(D)(1D)
01-100	5W0224	1	Case, A/O Fan	—	5W0196	(D)(1D)
01-100	5W0225	1	Case, A/O Fan	—	5W0197	(D)(1D)
01-100	5W0226	1	Case, A/O Fan	—	5W0198	(D)(1D)

V2533-A5 Engines

72-32-85

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-100	5W0218	1	Case, A/O Fan	—	5W0149	(D)(1D)
01-100	5W0220	1	Case, A/O Fan	—	5W0169	(D)(1D)
01-100	5W0221	1	Case, A/O Fan	—	5W0172	(D)(1D)
01-100	5W0223	1	Case, A/O Fan	—	5W0195	(D)(1D)
01-100	5W0225	1	Case, A/O Fan	—	5W0197	(D)(1D)
01-100	5W0226	1	Case, A/O Fan	—	5W0198	(D)(1D)

C. New production parts:

R V2500-A1, Pre-SBE 75-0010 Engines

R 71-51-43

R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
R R	05-874	AS22515	1	Bolt	—	AS21512	(A)(B) (S1)
R	All Engines						
	71-51-43						

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
05-992	NAS1149C0463R	2	Washer	—	—	(A)

All Engines

72-32-85

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-970	5R0294	1	Extension bracket	—	—	(A)

R V2500-A1, Pre SBE 70-0458 Engines

79-22-49

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
13-904	AS22515	2	Bolt	—	4W0168	(A)(B) (S1)
13-906	NAS1149C0463R	A/R	Washer	—	—	(A)

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, Pre SBE 70-0458 Engines

79-22-49

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
13-904	AS22515	2	Bolt	—	4W0168	(A)(B) (S1)
13-906	NAS1149C0463R	A/R	Washer	—	—	(A)

All model, Post SBE 70-0458 Engines

79-22-49

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
13-904	AS22515	3	Bolt	-	4W0168	(A)(B)
13-906	NAS1149C0463R	A/R	Washer	-	-	(S1) (A)

D. Instruction Disposition Codes:

- (A) New part will be available from July 2005.
- (B) Old part can be used up on other applications.
- (C) It is possible to get the new part only by modification.
- (D) Old parts are no longer available.
- (S1) Old part and new part are not interchangeable.
- (S2) Not available as a spare for replenishment purpose.
- (1D) New part can be obtained by rework and re-identification of old part.

3. Accomplishment Instructions

A. Prepare the raft assembly and damaged area of the FB flange on the fan case, refer to Figure 1 and 2.

- (1) Remove the clipping point 1103 and 0909 and tubes 117, 172, 202, 203, 206, 207 and 246 from the engine. Refer to the applicable Engine Manual (EM) Chapter/Section 72-00-32, Removal-03.
- (2) Remove the FCOC (Fuel Cooled Oil Cooler) from the engine. Refer to the applicable Engine Manual (EM) Chapter/Section 72-00-32, Removal-29.
- (3) Remove the raft assembly (71-51-43, 05-990), attachment angle (71-51-43, 05-870), and bracket (79-22-49, 13-900) from the FB flange. Refer to the applicable Engine Manual (EM) Chapter/Section 72-00-32, Removal-05.

B. Rework Instructions

(1) Consumable Materials:

CoMat 06-063 Fluorescent Penetrant
 CoMat 06-064 Fluorescent Penetrant
 CoMat 05-020 Waterproof silicon carbide abrasive paper
 CoMat 05-021 Waterproof silicon carbide abrasive paper

(2) Do a modification of PN 740-5773-503 or PN 740-5773-507 raft assembly.

- (a) Enlarge hole 'A' 2 places in raft assembly. See Figure 2.
- (b) Remove the edge of the raft assembly in the FB flange side. See Figure 2.
- (c) Cancel existing part number and re-identify with new part number which is followed by the letters assy adjacent to existing part number.
 - (i) Use the vibro-peen method, refer to Figure 2 and SPM TASK 70-09-00-400-501.

Existing	Re-number
740-5773-503	740-5773-9503
740-5773-507	740-5773-9507

(3) Do a modification of FB flange on the fan case assembly.

- (a) Clean the fan case assembly, refer to SPM TASK 70-11-26-300-503.
- (b) Crack test on the damaged area, refer to Figure 3 and SPM TASK 70-23-05-230-501. Use CoMat 06-063 fluorescent penetrant or CoMat 06-064 fluorescent penetrant. Record all cracks.

(c) Remove the damaged flange material, refer to Figure 3.

- (i) Use portable grinding equipment and CoMat 05-021 waterproof silicon carbide abrasive paper.

Machining data:

Maximum continual work time: 30 seconds

Feed or work rate: 50 to 150 in/run

CAUTION: ON TITANIUM COMPONENTS, ONLY SILICON CARBIDE TYPE WHEELS, STONES AND ABRASIVE PAPERS ARE TO BE USED FOR THIS REWORK. ALUMINUM OXIDE TYPES MUST NOT BE USED.

CAUTION: THE MATERIAL WILL OXIDIZE AND CRACK IF MECHANICAL CUTTERS ARE USED HEAVILY. THIS WILL HAVE OCCURRED IF THE COMPONENT SHOWS DARK STRAW TO BLUE DISCOLORATION. BE CAREFUL THAT THE GUIDE IS NOT DAMAGED BY CUTTING PROCESS.

- (ii) Blend any burred, galled, cracked or chafed material in the region of the original fracture area. Use portable grinding equipment and CoMat 05-021 waterproof silicon carbide abrasive paper to remove damage.

- (iii) Polish the blended area. Use CoMat 05-020 waterproof silicon carbide abrasive paper to make the blended surface as smooth as the initial surface.

(d) Crack test again, do step (3)(a) and (b). The blend area must satisfy dimension given in Figure 3. If necessary, do step (3)(c) again.

(e) Cancel existing part number and re-identify with new part number which is followed by the letters assy adjacent to existing part number.

- (i) Use the vibro-peen method, refer to Figure 3 and SPM TASK 70-09-00-400-501.

Existing	Re-number
5W0069	5W0201
5W0072	5W0199
5W0081	5W0202
5W0093	5W0203
5W0094	5W0204
5W0100	5W0205
5W0124	5W0206
5W0144	5W0217
5W0149	5W0218
5W0154	5W0219

Existing	Re-number
5W0168	5W0207
5W0169	5W0220
5W0171	5W0208
5W0172	5W0221
5W0184	5W0209
5W0186	5W0210
5W0187	5W0211
5W0188	5W0212
5W0189	5W0213
5W0190	5W0200
5W0191	5W0214
5W0192	5W0215
5W0193	5W0216
5W0194	5W0222
5W0195	5W0223
5W0196	5W0224
5W0197	5W0225
5W0198	5W0226

C. Assembly Instructions

R (1) Assembly instruction for A1 model Pre SBE 75-0010 engines

R Attach the attachment angle (71-51-43, 05-870) to the raft assembly with
R the two current bolts and new NAS1149C0463R washer (2 off), and then
R install the new 5R0294 extension bracket, raft assembly and bracket
R (79-22-49, 13-900) with new AS22515 bolt (3 off), NAS1149C0463R washer (as
R required) to the engine, refer to Figure 2 and 4. Refer to the applicable
Engine Manual (EM) Chapter/Section 72-00-32, Installation-01.

R (2) Assembly instruction for A1 model Post SBE 75-0010 and A1/A5 model Pre-SBE R 70-0458 engines

R Attach the attachment angle (71-51-43, 05-870) to the raft assembly with
R the two current bolts and new NAS1149C0463R washer (2 off), and then
R install the new 5R0294 extension bracket, raft assembly and bracket
R (79-22-49, 13-900) with new AS22515 bolt (2 off), NAS1149C0463R washer (as
R required) to the engine, refer to Figure 4. Refer to the applicable Engine
R Manual (EM) Chapter/Section 72-00-32, Installation-01.

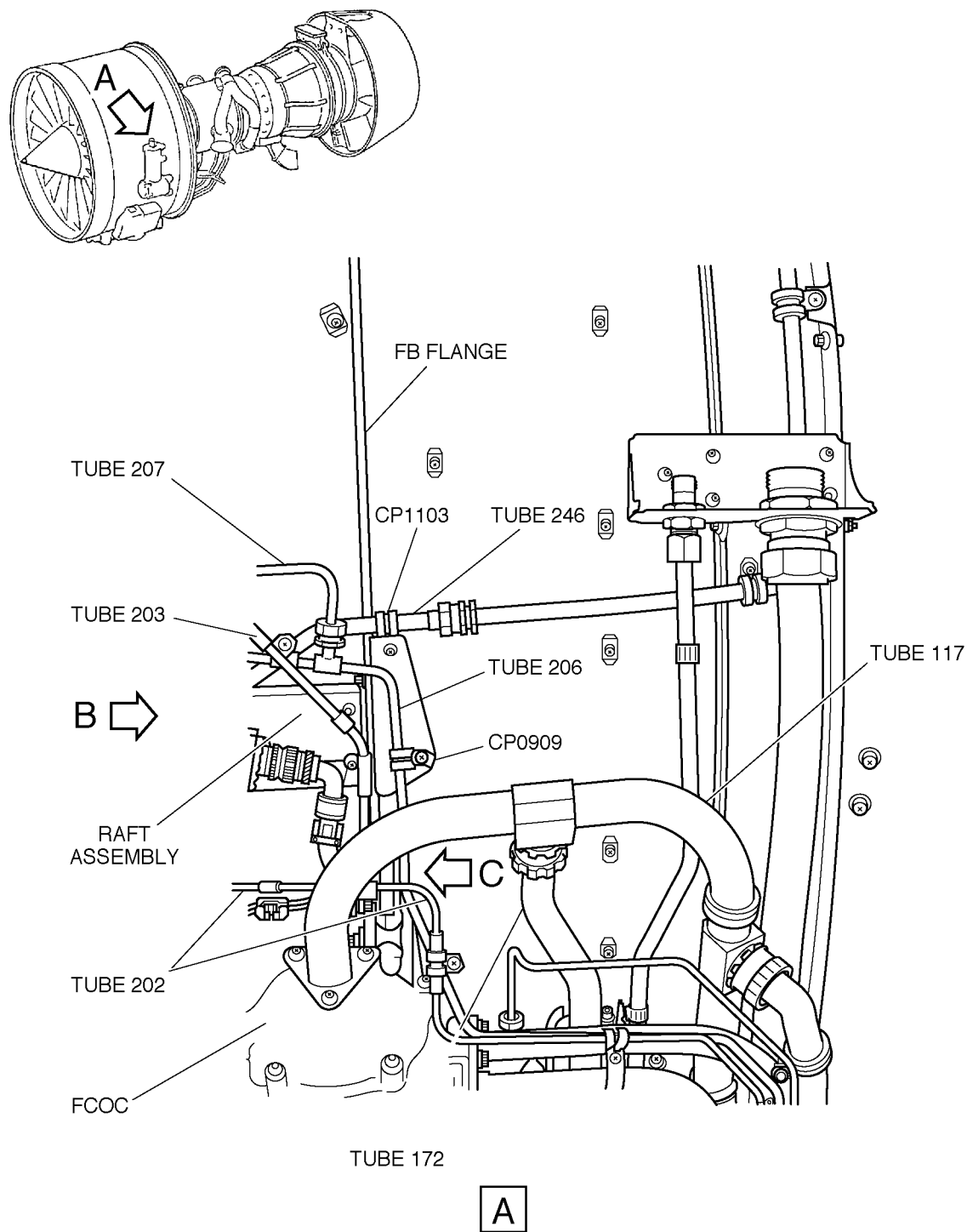
(3) Assembly instruction for all model Post SBE 70-0458 engines

Attach the attachment angle (71-51-43, 05-870) to the raft assembly with
the two current bolts and new NAS1149C0463R washer (2 off), and then
install the new 5R0294 extension bracket, raft assembly and bracket
(79-22-49, 13-900) with new AS22515 bolt (3 off), NAS1149C0463R washer (as
required) to the engine, refer to Figure 4. Refer to the applicable Engine
Manual (EM) Chapter/Section 72-00-32, Installation-01.

- (4) Install the FCOC to the engine. Refer to the applicable Engine Manual (EM) Chapter/Section 72-00-32, Installation-29.
- (5) Install the clipping point 1103 and 0909 and tubes 117, 172, 202, 203, 206, 207 and 246 to the engine. Refer to the applicable Engine Manual (EM) Chapter/Section 72-00-32, Installation-03.

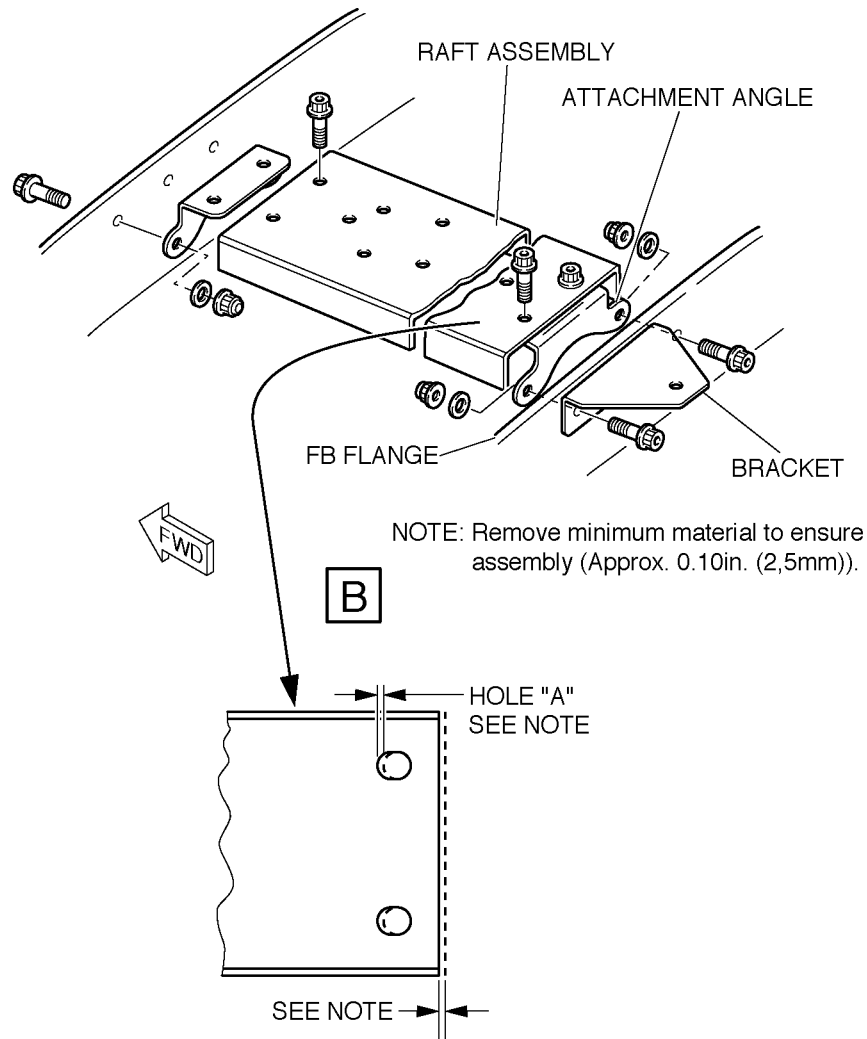
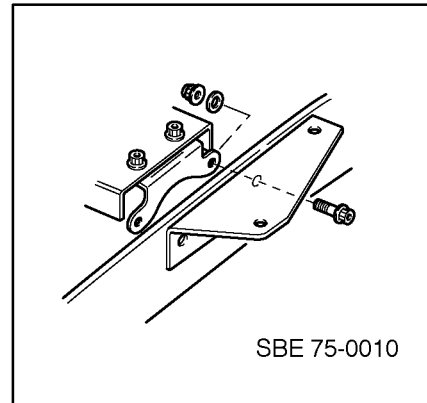
D. Recording Instructions

A record of accomplishment is necessary.

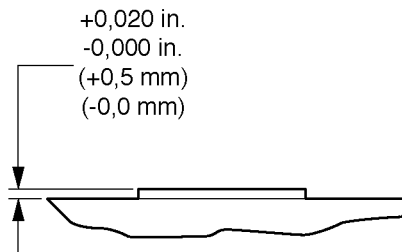
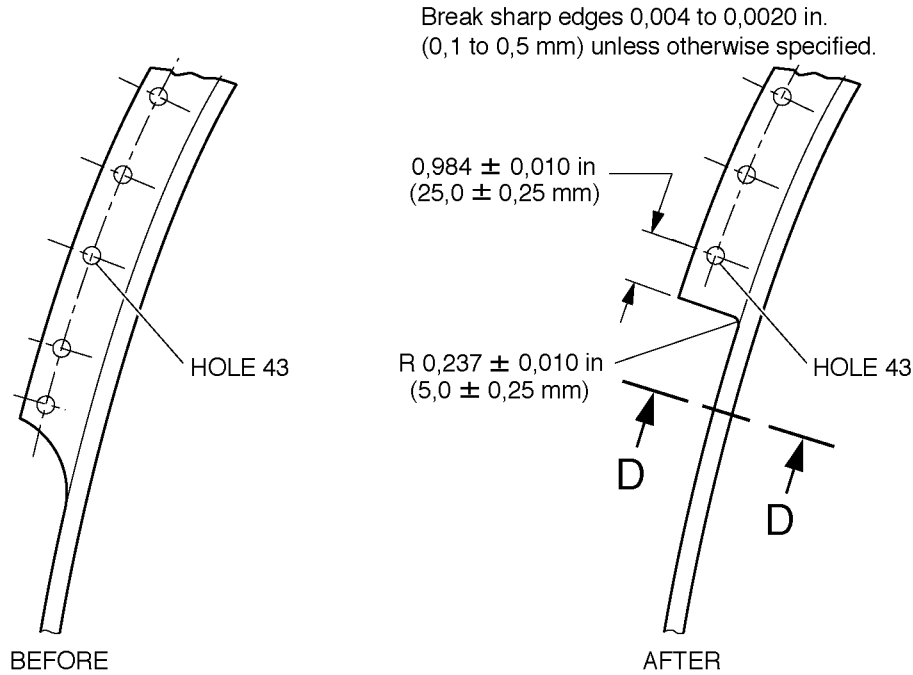


Rework details and related parts
Figure 1

V2500-ENG-72-0503



Rework details for the raft assembly
Figure 2

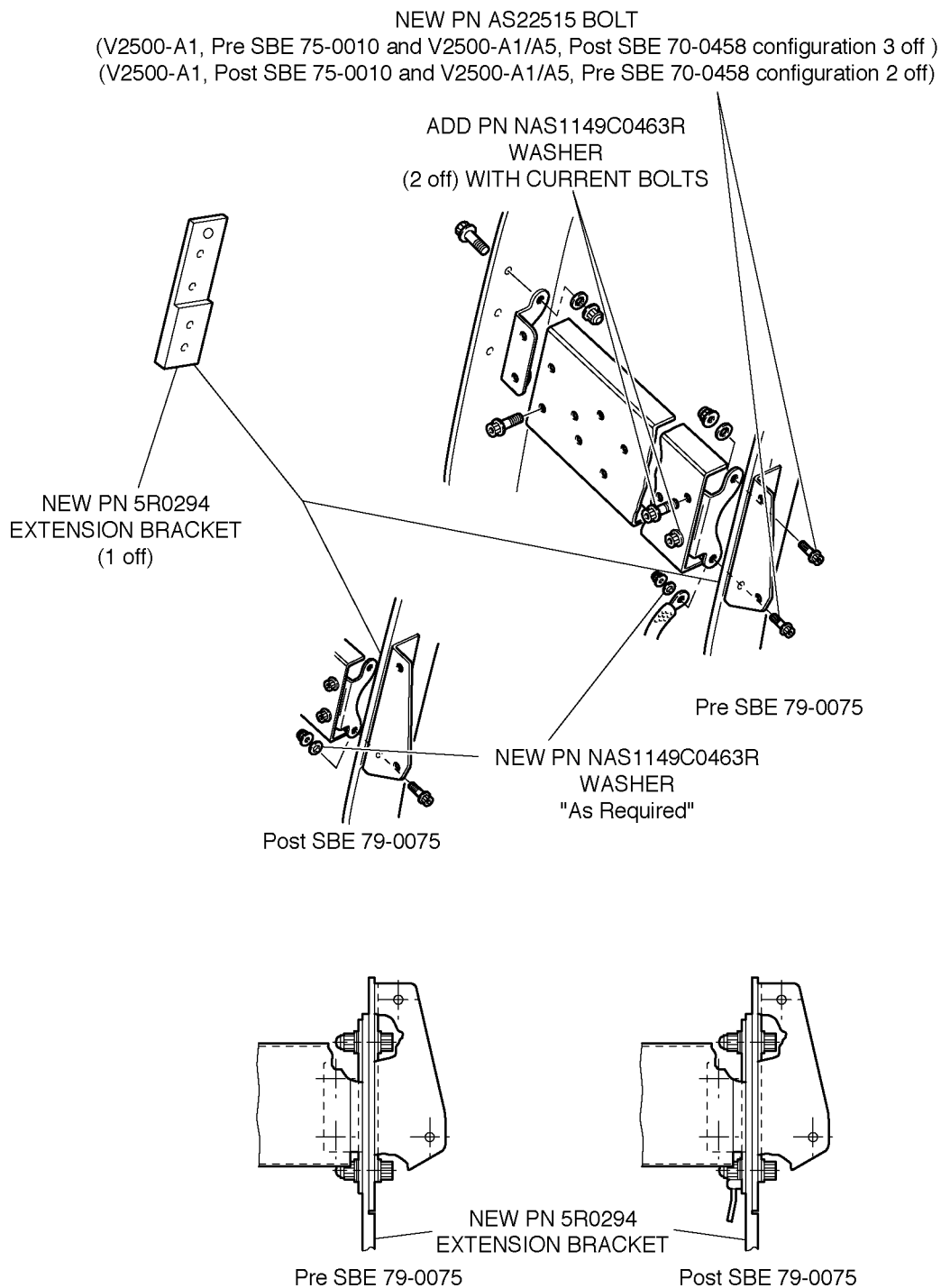


SECTION
D-D

Rework details for the FB flange
Figure 3

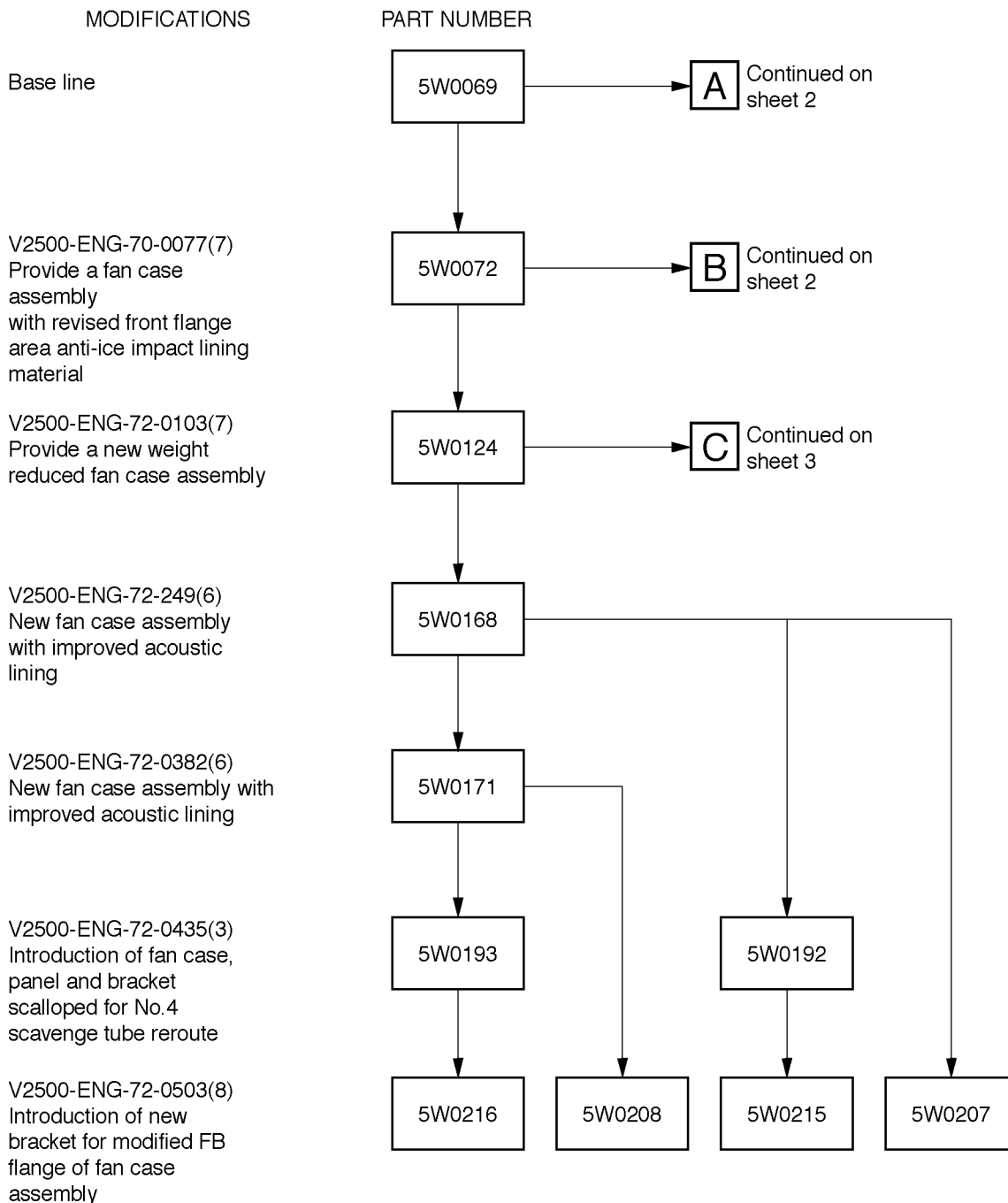
V2500-ENG-72-0503

Page 16



jaykhi0050

Assembly instructions
Figure 4



Family Tree – Fan case for V2500-A1 (72-32-85, Fig. 01 Item 100)
Figure 5 (sheet 1 of 3)

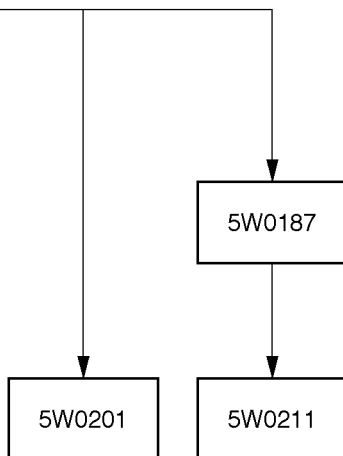
V2500-ENG-72-0503

A

Continued from
sheet 1

V2500-ENG-72-0435(3)
Introduction of fan case,
panel and bracket
scaloped for No.4
scavenge tube reroute

V2500-ENG-72-0503(8)
Introduction of new
bracket for modified FB
flange of fan case
assembly



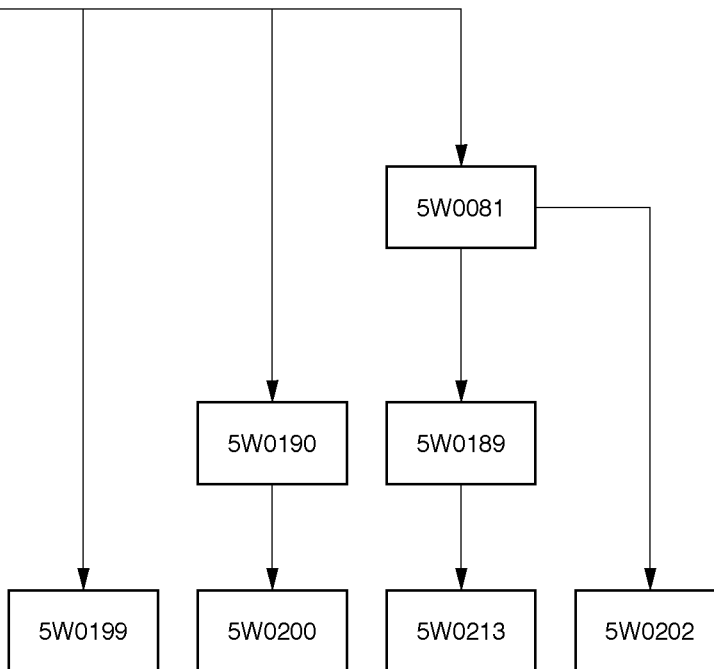
B

Continued from
sheet 1

V2500-ENG-70-0002(7)
Provide an intermediate
structure that eliminates
flight test instrumentation
provisions

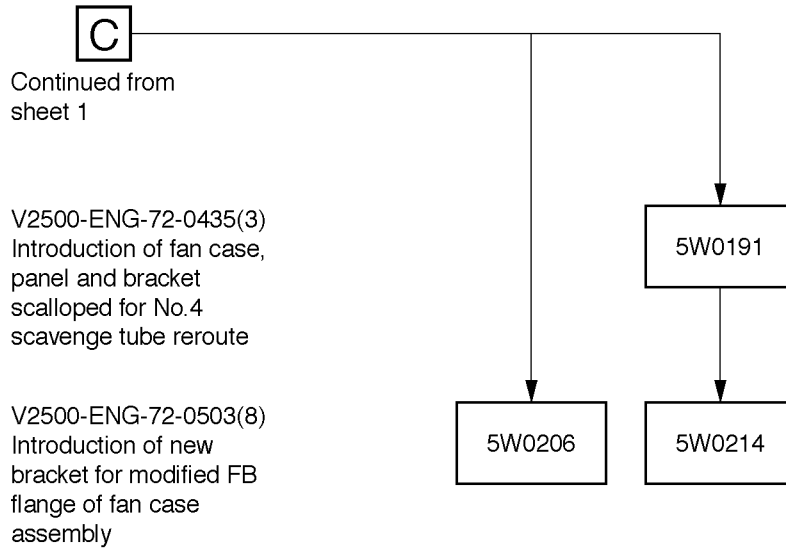
V2500-ENG-72-0435(3)
Introduction of fan case,
panel and bracket
scaloped for No.4
scavenge tube reroute

V2500-ENG-72-0503(8)
Introduction of new
bracket for modified FB
flange of fan case
assembly



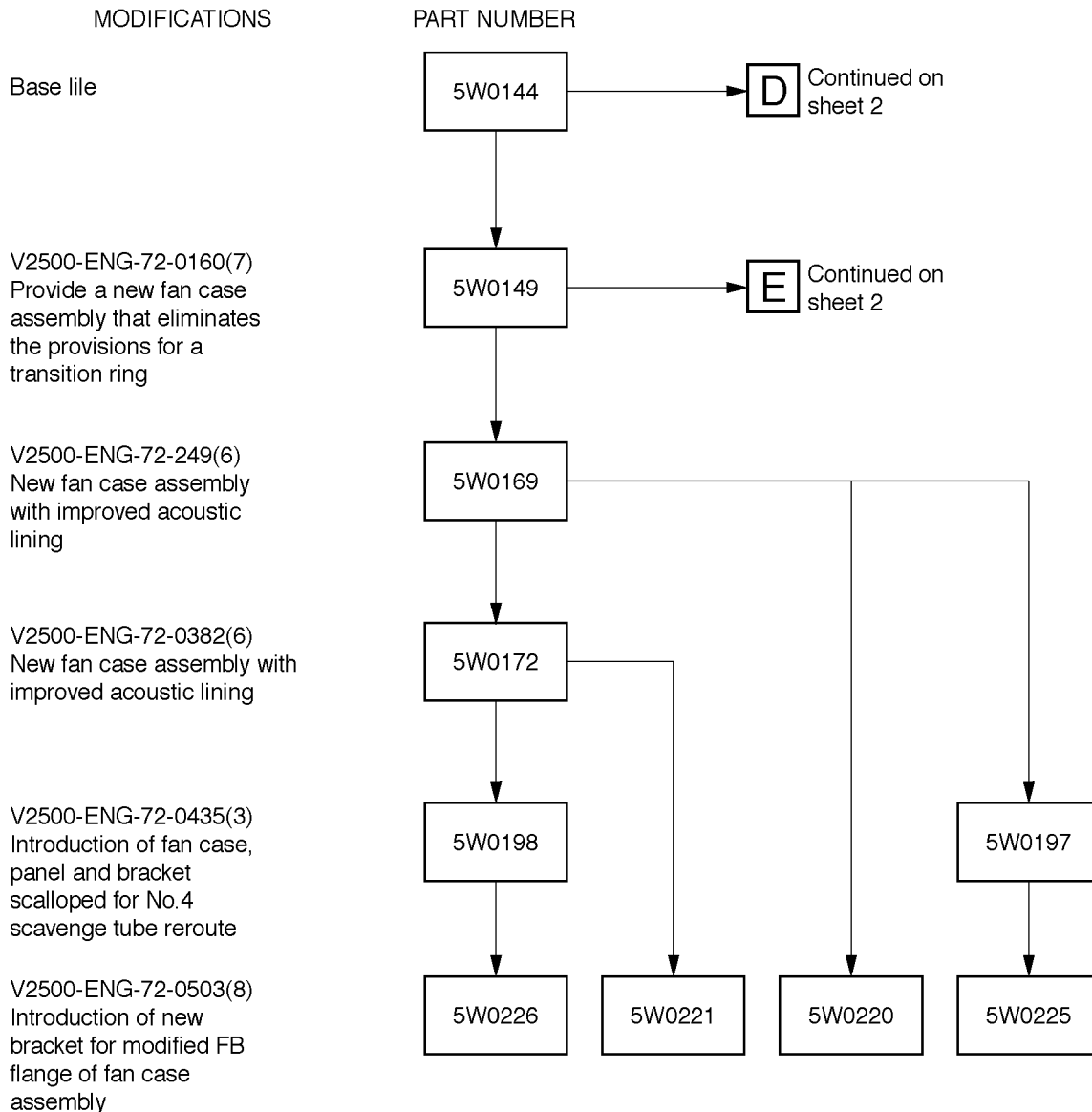
jaykhi0052

Family Tree - Fan case for V2500-A1 (72-32-85, Fig. 01 Item 100)
Figure 5 (sheet 2 of 3)



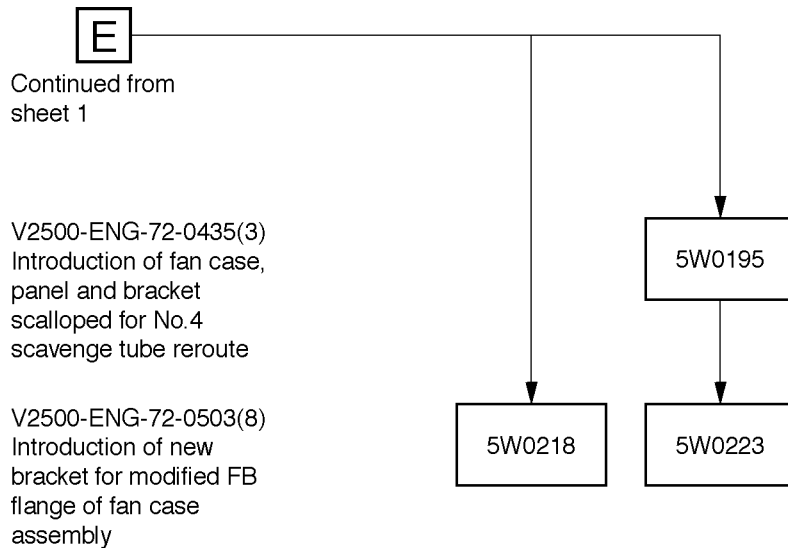
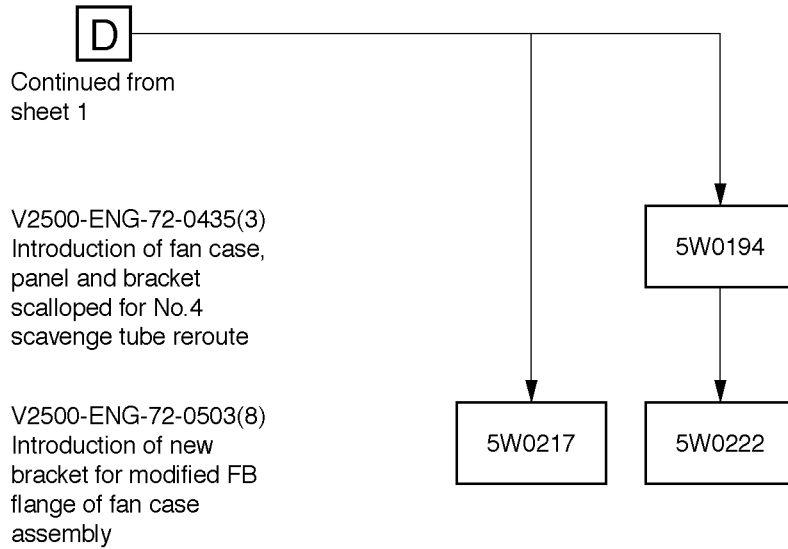
jaykhi0053

Family Tree - Fan case for V2500-A1 (72-32-85, Fig. 01 Item 100)
Figure 5 (sheet 3 of 3)



jaykhi0054

Family Tree - Fan case for V2500-A5 (72-32-85, Fig. 01 Item 100)
Figure 6 (sheet 1 of 2)



Family Tree – Fan case for V2500-A5 (72-32-85, Fig. 01 Item 100)
Figure 6 (sheet 2 of 2)

ENGINE - LP COMPRESSOR - INTRODUCTION OF NEW BRACKET FOR MODIFIED FB FLANGE OF FAN
CASE ASSEMBLY

SUPPLEMENT - PRICES AND AVAILABILITY

The prices (if shown) are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

1. Modification Kit:

Not applicable.

2. Parts required:

Part No.	Description	Unit Price US Dollars
5R0294	Extension Bracket	2,000.00
AS22515	Bolt	10.00
NAS1149C0463R	Washer	1.10

3. Tools

None.