



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

DATE: Aug.27/09

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

Printed in Great Britain

V2500-A1/A5/D5 SERIES PROPULSION SYSTEM SERVICE BULLETIN

This document transmits the Initial Issue of IAE Service Bulletin V2500-ENG-75-0115 and the Initial Issue of Aero Engine Controls Service Bulletins 1666-75-8415, 1777-75-8415 and 1797-75-8415.

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 9 of the IAE Service Bulletin V2500-ENG-75-0115.	Initial Issue.
	Page 1 of the Supplement to IAE Service Bulletin V2500-ENG-75-0115.	Initial Issue.
	Aero Engine Controls Service Bulletins 1666-75-8415 1777-75-8415 and 1797-75-8415.	Initial Issue.

V2500-ENG-75-0115
Transmittal - Page 1 of 1

AIR – LOW PRESSURE (LP) COMPRESSOR BLEED MASTER ACTUATOR – INTRODUCTION OF NEW LP
COMPRESSOR BLEED MASTER ACTUATOR MARK NUMBER DUE TO MODIFIED SERVO VALVE PORT FILTERS
AND REDESIGNED HOUSING SEAL FOR THE CONSTANT PRESSURE VALVE

1. Planning Information

A. Effectivity

(1) Airbus A319

- (a) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V13173 (A5 Standard and A5 SelectOne™ Retrofit Standard).

V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V15214, (A5 SelectOne™ Production Standard).

- (i) LP Compressor Bleed Master Actuator, P/N 1777MK2.

(2) Airbus A320

- (a) ALL V2500-A1 Engines

- (i) LP Compressor Bleed Master Actuator, P/N 1666MK5.

- (b) V2524-A5, V2527-A5, V2527E-A5 Engines prior to Serial No. V13173 (A5 Standard and A5 SelectOne™ Retrofit Standard).

V2524-A5, V2527-A5, V2527E-A5 Engines prior to Serial No. V15214, (A5 SelectOne™ Production Standard).

- (i) LP Compressor Bleed Master Actuator, P/N 1777MK2.

(3) Airbus A321

- (a) V2530-A5 Engines prior to Serial No. V13173 (A5 Standard and A5 SelectOne™ Retrofit Standard).

V2530-A5 Engines prior to Serial No. V15214, (A5 SelectOne™ Production Standard).

- (i) LP Compressor Bleed Master Actuator, P/N 1777MK2.

- (b) V2533-A5 Engines prior to Serial No. V13173 (A5 Standard and A5 SelectOne™ Retrofit Standard).

V2533-A5 Engines prior to Serial No. V15214, (A5 SelectOne™ Production Standard).

- (i) LP Compressor Bleed Master Actuator, P/N 1777MK2.

(4) Boeing MD-90

(a) ALL V2525-D5, V2528-D5 Engines.

(i) LP Compressor Bleed Master Actuator, P/N 1797MK2.

B. Concurrent Requirements

This Service Bulletin must be done when both of the Service Bulletins that follow have already been embodied:

V2500-ENG-75-0113	AIR - LOW PRESSURE (LP) COMPRESSOR BLEED MASTER ACTUATOR - INTRODUCTION OF SEAL HOUSING WHICH INCLUDES A CONSTANT PRESSURE VALVE (CPV) PISTON TRAVEL STOP
V2500-ENG-75-0114	AIR - LOW PRESSURE (LP) COMPRESSOR BLEED MASTER ACTUATOR - CHANGE TO SERVO VALVE PORT FILTERS

C. Reason

(1) Condition

To introduce a new part number to identify a new LP compressor bleed master actuator after a new CPV travel stop and new servo valve port filter have been incorporated.

(2) Background

After incorporation of a new CPV travel stop and a new servo valve port filter the LP compressor bleed master actuators have to be identified with a new part number.

(3) Objective

Introduction of this Service Bulletin is designed to introduce a new LP compressor bleed master actuator part number.

(4) Substantiation

The changes introduced by this Service Bulletin were the subject of satisfactory engineering analysis. This Service Bulletin complies with the applicable engine certification basis.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Schemes

Not affected.

(e) Interchangeability

Affected (Refer to paragraph 1.B. Concurrent Requirement).

(f) Fits and Clearances

Not affected.

D. Description

(1) Two Service Bulletins were introduced to address the issues of LP compressor master bleed actuator mal-schedule events and in-built contamination.

(a) The IAE Service Bulletin V2500-ENG-75-0113 introduces a new CPV travel stop and covers the Aero Engine Controls Service Bulletins as follows:

(i) 1666-75-8414.

(ii) 1777-75-8416.

(iii) 1797-75-8416.

(b) The IAE Service Bulletin V2500-ENG-75-0114 introduces a new servo valve port filter and covers the Aero Engine Controls Service Bulletins as follows:

(i) 1666-75-8412.

(ii) 1777-75-8412.

(iii) 1797-75-8412.

(2) This Service Bulletin introduces a new part number for the LP compressor bleed master actuator, if both Service Bulletins V2500-ENG-75-0113 and V2500-ENG-75-0114 are incorporated and covers the Aero Engine Controls Service Bulletins as follows:

(a) 1666-75-8415.

(b) 1777-75-8415.

(c) 1797-75-8415.

E. Compliance

Category Code 6

Accomplish when the sub-assembly is disassembled sufficiently to afford access to the affected parts and to all affected spare parts.

F. Approval

The part number changes and/or part modification described in Section 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 Models listed.

G. Manpower

(1) In Service

Not applicable.

(2) At Overhaul

Applicable (Hours not affected).

H. Material Price and Availability

Modification kit is not required; part supplied as single line items.

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) Airbus A319/A320/A321 Aircraft Maintenance Manual, Chapter 75-31-42 Removal/Installation of LP Compressor Master Bleed Actuator.
- (2) Boeing MD 90 Aircraft Maintenance Manual, Chapter 75-32-42 Removal/Installation of LP Compressor Master Bleed Actuator.
- (3) IAE V2500-A1/A5/D5 Engine Manual (E-V2500-1IA, E-V2500-3IA), Chapter/Section 72-00-40, Removal/Installation of LP Compressor Master Bleed Actuator.
- (4) Aero Engine Controls Service Bulletins 1666-75-8415, 1777-75-8415 and 1797-75-8415 dated Aug.26/09.
- (5) Internal Reference No.:
Engineering Change No. 09VI004.
- (6) ATA Locator - 75-31-42.

O. Other Publications Affected

- (1) IAE V2500 Engine Illustrated Parts Catalogs (S-V2500-1IA, S-V2500-2IA, S-V2500-2IB, S-V2500-3IA, S-V2500-3IB, S-V2500-5IA, S-V2500-5IB, S-V2500-6IA, S-V2500-6IB, S-V2500-7IA, and S-V2500-7IB), Chapters/Sections 75-31-42 to add the new parts.
- (2) IAE V2500 SelectOne™ Engine Illustrated Parts Catalogs (S-V2500-2SA, S-V2500-2SB, S-V2500-5SA, S-V2500-5SB, S-V2500-6SA, S-V2500-6SB, S-V2500-7SA, and S-V2500-7SB), Chapters/Sections 75-31-42 to add the new parts.

P. Interchangeability of Parts

Not affected.

2. Material Information

A. The kit required consists of the following parts:

None.

B. Parts to be reworked:

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
75-31-42						
A1 Models:						
01-100	1666MK6	1	.Low Pressure (LP) compressor master bleed actuator	-	1666MK5	(A)(1D)(S1)
A5 Models:						
01-100	1777MK3	1	.Low Pressure (LP) compressor master bleed actuator	-	1777MK2	(A)(1D)(S1)
D5 Models:						
01-100	1797MK3	1	.Low Pressure (LP) compressor master bleed actuator	-	1797MK2	(A)(1D)(S1)

C. New production parts:

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
75-31-42						
A1 Models:						
01-100	1666MK6	1	.Low Pressure (LP) compressor master bleed actuator	-	1666MK5	(A)(1D)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
A5 Models:						
01-100	1777MK3	1	.Low Pressure (LP) compressor master bleed actuator	-	1777MK2	(A)(1D)(S1)
D5 Models						
01-100	1797MK3	1	.Low Pressure (LP) compressor master bleed actuator	-	1797MK2	(A)(1D)(S1)

D. Redundant parts:

None.

E. Instructions disposition codes:

(A) New part will be made available as future spare.

(1D) Rework old part number and re-identify to the new part number.

(S1) Old and new parts are fully interchangeable.

Printed in Great Britain

3. Accomplishment Instructions

A. Rework Instructions

Refer to the attached Aero Engine Controls Service Bulletins 1666-75-8415, 1777-75-8415 and 1797-75-8415.

B. Assembly Instructions

- (1) For the correct Removal/Installation procedures of the LP compressor master bleed actuator, refer to one of the manuals that follow:
 - (a) A319/320/321 Aircraft Maintenance Manual, Chapter/Section 75-31-42, Removal/Installation.
 - (b) MD90 Aircraft Maintenance Manual, Chapter/Section 75-32-42, Removal/Installation.
 - (c) IAE V2500-A1/A5/D5 Engine Manual, Chapter/Section 72-00-40, Removal/Installation.
- (2) For further information, refer to the attached Aero Engine Controls Service Bulletins 1666-75-8415, 1777-75-8415 and 1797-75-8415.

C. Recording Instructions

- (1) A record of accomplishment is required.

AIR - LOW PRESSURE (LP) COMPRESSOR BLEED MASTER ACTUATOR - INTRODUCTION OF NEW LP
COMPRESSOR BLEED MASTER ACTUATOR MARK NUMBER DUE TO MODIFIED SERVO VALVE PORT FILTERS
AND REDESIGNED HOUSING SEAL FOR THE CONSTANT PRESSURE VALVE

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. New Production Parts:

Part No.	Description	Unit Price US Dollars
1666MK6	.Low Pressure (LP) compressor bleed master actuator	P.O.A.
1777MK3	.Low Pressure (LP) compressor bleed master actuator	P.O.A.
1797MK3	.Low Pressure (LP) compressor bleed master actuator	P.O.A.

3. Tools

None.

SERVICE BULLETIN TRANSMITTAL

LPC BLEED MASTER ACTUATOR, TYPE: 1666 MK5

ATA REF 75-31-42

THIS PAGE TRANSMITS THE INITIAL ISSUE OF SERVICE BULLETIN 1666-75-8415

Please note the Company name has changed from Goodrich Engine Control Systems to Aero Engine Controls.

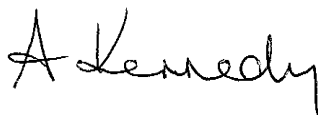
Reason for issue

To change the mark number of the unit from Mk5 to Mk6, after SB 1666-75-8412 and 1666-75-8414 have been included.

Action

Keep this SB with the Component Maintenance Manual. Put in this SB Transmittal page and the SB pages 1 thru 4 dated Aug 26/09.

APPROVED FOR GOODRICH ENGINE CONTROL SYSTEMS

Signed: 

Date: Aug 26/09

Aug 26/09
301347

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

1666-75-8415

TRANSMITTAL

Page 1 of 2

Aero Engine Controls

BLANK PAGE

Aug 26/09

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

1666-75-8415

TRANSMITTAL

Page 2 of 2

Aero Engine Controls
SERVICE BULLETIN

SERVICE BULLETIN NUMBER 1666-75-8415

ENGINE COMPRESSOR CONTROL - LPC BLEED MASTER ACTUATOR, TYPE: 1666 MK5

CHANGE LPC BLEED MASTER ACTUATOR, TYPE: 1666 MK5 TO TYPE: 1666 MK6

1. Planning Information

A. Effectivity

LPC Bleed Master Actuator - Type: 1666 Mk5.

B. Concurrent Requirements

Service Bulletin 1666-75-8412.

Service Bulletin 1666-75-8414.

C. Reason

(1) Problem

Modification CP 8412 introduces new servo flow port filters (Ref Service Bulletin 1666-75-8412) and modification CP8414 introduces a piston travel stop (Ref Service Bulletin 1666-75-8414). Airbus Industries have requested that when both modifications CP8412 and CP8414 have been included in a LPC Bleed Master Actuator 1666 Mk5 unit, this must be clearly identified by a change to the unit part number.

(2) Solution

A new modification, CP8415, gives the instructions to increase the mark number of a LPC Bleed Master Actuator 1666 unit from Mk5 to Mk6, after both modifications CP8412 and CP8414 have been included in the unit.

D. Description

This Service Bulletin gives details of the instructions to change the unit mark number of a LPC Bleed Master Actuator 1666 Mk5 unit that has had both Service Bulletin 1666-75-8412 and Service Bulletin 1666-75-8414 included, at an approved maintenance facility.

E. Compliance

Category Code 6

Accomplish when the subassembly (ie. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Approval

Service Bulletin No 1666-75-8415 was technically approved by IAE on Aug 25/09. The procedures described in this bulletin have been shown to comply with the appropriate Federal Aviation Regulations and are FAA approved for those unit types listed in this bulletin.

Aug 26/09

1666-75-8415

Page 1 of 4

Aero Engine Controls

SERVICE BULLETIN

G. Manpower

(1) In Repair:

30 minutes.

H. Weight and Balance

None.

I. Electrical Load Data

Not Changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Aero Engine Controls Component Maintenance Manual (CMM) 75-31-42.

Service Bulletin 1666-75-8412.

Service Bulletin 1666-75-8414.

L. Other Publications Affected

Aero Engine Controls Component Maintenance Manual (CMM) 75-31-42.

M. Interchangeability or Intermixability of Parts

Not affected.

2. Material Information

A. Material - Price and Availability

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

P/N	Description	Availability	List Price
0215-4028	Plate, identification	On quotation	On quotation
215-410	Strap, label retaining	On quotation	On quotation

B. Industry Support Information

The cost of the parts, tools and manpower necessary to accomplish this service bulletin will be accepted by the customer.

Aug 26/09

1666-75-8415

Page 2 of 4

Aero Engine Controls
SERVICE BULLETIN

C. Material Necessary for Each Component

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

New P/N	Description	Old P/N	Qty	Instruction
N/A	Plate, identification	0215-4028	1	Replace
0215-4028	Plate, identification	215-4009	1	Replace
N/A	Strap, label retaining	215-410	1	Replace

D. Reidentified Parts

Not applicable.

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. General

- (1) If a LPC Bleed Master Actuator 1666 Mk5 unit is received at an approved maintenance facility with both of the Service Bulletins that follow included, continue from Para 3.B.:
 - Service Bulletin 1666-75-8412.
 - Service Bulletin 1666-75-8414.
- (2) If a LPC Bleed Master Actuator 1666 Mk5 unit is received at an approved maintenance facility with none, or just one, of the Service Bulletins specified in Para 3.A.(1) included, do the Service Bulletins that are not included, before you continue from Para 3.B.

NOTE: If a Service Bulletin from Para 3.A.(1) is done concurrently with this Service Bulletin, do NOT complete the Recording Action in Para 3.C. of Service Bulletin 1666-75-8412, or Para 3.B. of Service Bulletin 1666-75-8414.

B. Procedure (Ref. CMM 75-31-42)

- (1) Remove the identification plate (P/N 215-4009 or 0215-4028), but keep it, Ref. DISASSEMBLY section.
- (2) Discard the label retaining strap (P/N 215-410).

Aero Engine Controls
SERVICE BULLETIN

- (3) Use the applicable process, Ref ASSEMBLY section, to put the unit information shown on the identification plate kept at step (1), on a new identification plate (P/N 0215-4028), with the changes that follow:
 - (a) Show the unit type number as 1666 Mk6.
 - (b) Do not show modification numbers CP8412 or CP8414.
- (4) Discard the identification plate kept at step (1).
- (5) Install the new identification plate (0215-4028), Ref ASSEMBLY section.

C. Recording Action

- (1) When the accomplishment instructions have been completed successfully, record Service Bulletin number 1666-75-8415 on the applicable unit documentation.



A Rolls-Royce plc and Goodrich Corporation joint venture

AERO ENGINE CONTROLS
SHAFTMOOR LANE
HALL GREEN
BIRMINGHAM B28 8SW
ENGLAND
TELEPHONE: 44 121 707 7111
FAX: 44 121 707 8826

SERVICE BULLETIN TRANSMITTAL

LPC BLEED MASTER ACTUATOR, TYPE: 1777 MK2

ATA REF 75-38-02

THIS PAGE TRANSMITS THE INITIAL ISSUE OF SERVICE BULLETIN 1777-75-8415

Please note the Company name has changed from Goodrich Engine Control Systems to Aero Engine Controls.

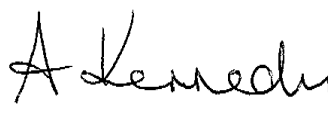
Reason for issue

To change the mark number of the unit from Mk2 to Mk3, after SB 1777-75-8412 and 1777-75-8416 have been included.

Action

Keep this SB with the Component Maintenance Manual. Put in this SB Transmittal page and the SB pages 1 thru 4 dated Aug 26/09.

APPROVED FOR GOODRICH ENGINE CONTROL SYSTEMS

Signed: 

Date: Aug 26/09

Aug 26/09
301350

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

TRANSMITTAL
1777-75-8415

Page 1 of 2

Aero Engine Controls

BLANK PAGE

Aug 26/09

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

1777-75-8415

TRANSMITTAL

Page 2 of 2

Aero Engine Controls
SERVICE BULLETIN

SERVICE BULLETIN NUMBER 1777-75-8415

ENGINE COMPRESSOR CONTROL - LPC BLEED MASTER ACTUATOR, TYPE: 1777 MK2

CHANGE LPC BLEED MASTER ACTUATOR, TYPE: 1777 MK2 TO TYPE: 1777 MK3

1. Planning Information

A. Effectivity

LPC Bleed Master Actuator - Type: 1777 Mk2.

B. Concurrent Requirements

Service Bulletin 1777-75-8412.

Service Bulletin 1777-75-8416.

C. Reason

(1) Problem

Modification CP 8412 introduces new servo flow port filters (Ref Service Bulletin 1777-75-8412) and modification CP8416 introduces a piston travel stop (Ref Service Bulletin 1777-75-8416). Airbus Industries have requested that when both modifications CP8412 and CP8416 have been included in a LPC Bleed Master Actuator 1777 Mk2 unit, this must be clearly identified by a change to the unit part number.

(2) Solution

A new modification, CP8415, gives the instructions to increase the mark number of a LPC Bleed Master Actuator 1777 unit from Mk2 to Mk3, after both modifications CP8412 and CP8416 have been included in the unit.

D. Description

This Service Bulletin gives details of the instructions to change the unit mark number of a LPC Bleed Master Actuator 1777 Mk2 unit that has had both Service Bulletin 1777-75-8412 and Service Bulletin 1777-75-8416 included, at an approved maintenance facility.

E. Compliance

Category Code 6

Accomplish when the subassembly (ie. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Approval

Service Bulletin No 1777-75-8415 was technically approved by IAE on Aug 25/09. The procedures described in this bulletin have been shown to comply with the appropriate Federal Aviation Regulations and are FAA approved for those unit types listed in this bulletin.

Aug 26/09

1777-75-8415

Page 1 of 4

Aero Engine Controls

SERVICE BULLETIN

G. Manpower

(1) In Repair:

30 minutes.

H. Weight and Balance

None.

I. Electrical Load Data

Not Changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Aero Engine Controls Component Maintenance Manual (CMM) 75-38-02.

Service Bulletin 1777-75-8412.

Service Bulletin 1777-75-8416.

L. Other Publications Affected

Aero Engine Controls Component Maintenance Manual (CMM) 75-38-02.

M. Interchangeability or Intermixability of Parts

Not affected.

2. Material Information

A. Material - Price and Availability

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

P/N	Description	Availability	List Price
0215-4028	Plate, identification	On quotation	On quotation
215-410	Strap, label retaining	On quotation	On quotation

B. Industry Support Information

The cost of the parts, tools and manpower necessary to accomplish this service bulletin will be accepted by the customer.

Aug 26/09

1777-75-8415

Page 2 of 4

Aero Engine Controls
SERVICE BULLETIN

C. Material Necessary for Each Component

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

New P/N	Description	Old P/N	Qty	Instruction
N/A	Plate, identification	0215-4028	1	Replace
0215-4028	Plate, identification	215-4009	1	Replace
N/A	Strap, label retaining	215-410	1	Replace

D. Reidentified Parts

Not applicable.

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. General

- (1) If a LPC Bleed Master Actuator 1777 Mk2 unit is received at an approved maintenance facility with both of the Service Bulletins that follow included, continue from Para 3.B.:
 - Service Bulletin 1777-75-8412.
 - Service Bulletin 1777-75-8416.
- (2) If a LPC Bleed Master Actuator 1777 Mk2 unit is received at an approved maintenance facility with none, or just one, of the Service Bulletins specified in Para 3.A.(1) included, do the Service Bulletins that are not included, before you continue from Para 3.B.

NOTE: If a Service Bulletin from Para 3.A.(1) is done concurrently with this Service Bulletin, do NOT complete the Recording Action in Para 3.C. of Service Bulletin 1777-75-8412, or Para 3.B. of Service Bulletin 1777-75-8416.

B. Procedure (Ref. CMM 75-38-02)

- (1) Remove the identification plate (P/N 215-4009 or 0215-4028), but keep it, Ref. DISASSEMBLY section.
- (2) Discard the label retaining strap (P/N 215-410).

Aero Engine Controls
SERVICE BULLETIN

- (3) Use an applicable process, Ref ASSEMBLY section, to put the unit information shown on the identification plate kept at step (1), on a new identification plate (P/N 0215-4028), with the changes that follow:
 - (a) Show the unit type number as 1777 Mk3.
 - (b) Do not show modification numbers CP8412 or CP8416.
- (4) Discard the identification plate kept at step (1).
- (5) Install the new identification plate (0215-4028), Ref ASSEMBLY section.

C. Recording Action

- (1) When the accomplishment instructions have been completed successfully, record Service Bulletin number 1777-75-8415 on the applicable unit documentation.

SERVICE BULLETIN TRANSMITTAL

LPC BLEED MASTER ACTUATOR, TYPE: 1797 MK2

ATA REF 75-38-22

THIS PAGE TRANSMITS THE INITIAL ISSUE OF SERVICE BULLETIN 1797-75-8415

Please note the Company name has changed from Goodrich Engine Control Systems to Aero Engine Controls.

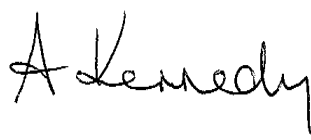
Reason for issue

To change the mark number of the unit from Mk2 to Mk3, after SB 1797-75-8412 and 1797-75-8416 have been included.

Action

Keep this SB with the Component Maintenance Manual. Put in this SB Transmittal page and the SB pages 1 thru 4 dated Aug 26/09.

APPROVED FOR GOODRICH ENGINE CONTROL SYSTEMS

Signed: 

Date: Aug 26/09

Aug 26/09
301353

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

1797-75-8415

TRANSMITTAL

Page 1 of 2

Aero Engine Controls

BLANK PAGE

Aug 26/09

©2009 Rolls-Royce Goodrich Engine Control Systems Limited

1797-75-8415

TRANSMITTAL

Page 2 of 2

Aero Engine Controls
SERVICE BULLETIN

SERVICE BULLETIN NUMBER 1797-75-8415

ENGINE COMPRESSOR CONTROL - LPC BLEED MASTER ACTUATOR, TYPE: 1797 MK2

CHANGE LPC BLEED MASTER ACTUATOR, TYPE: 1797 MK2 TO TYPE: 1797 MK3

1. Planning Information

A. Effectivity

LPC Bleed Master Actuator - Type: 1797 Mk2.

B. Concurrent Requirements

Service Bulletin 1797-75-8412.

Service Bulletin 1797-75-8416.

C. Reason

(1) Problem

Modification CP 8412 introduces new servo flow port filters (Ref Service Bulletin 1797-75-8412) and modification CP8416 introduces a piston travel stop (Ref Service Bulletin 1797-75-8416). Airbus Industries have requested that when both modifications CP8412 and CP8416 have been included in a LPC Bleed Master Actuator 1797 Mk2 unit, this must be clearly identified by a change to the unit part number.

(2) Solution

A new modification, CP8415, gives the instructions to increase the mark number of a LPC Bleed Master Actuator 1797 unit from Mk2 to Mk3, after both modifications CP8412 and CP8416 have been included in the unit.

D. Description

This Service Bulletin gives details of the instructions to change the unit mark number of a LPC Bleed Master Actuator 1797 Mk2 unit that has had both Service Bulletin 1797-75-8412 and Service Bulletin 1797-75-8416 included, at an approved maintenance facility.

E. Compliance

Category Code 6

Accomplish when the subassembly (ie. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Approval

Service Bulletin No 1797-75-8415 was technically approved by IAE on Aug 25/09. The procedures described in this bulletin have been shown to comply with the appropriate Federal Aviation Regulations and are FAA approved for those unit types listed in this bulletin.

Aug 26/09

1797-75-8415

Page 1 of 4

Aero Engine Controls

SERVICE BULLETIN

G. Manpower

(1) In Repair:

30 minutes.

H. Weight and Balance

None.

I. Electrical Load Data

Not Changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Aero Engine Controls Component Maintenance Manual (CMM) 75-38-22.

Service Bulletin 1797-75-8412.

Service Bulletin 1797-75-8416.

L. Other Publications Affected

Aero Engine Controls Component Maintenance Manual (CMM) 75-38-22.

M. Interchangeability or Intermixability of Parts

Not affected.

2. Material Information

A. Material - Price and Availability

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

P/N	Description	Availability	List Price
0215-4028	Plate, identification	On quotation	On quotation
215-410	Strap, label retaining	On quotation	On quotation

B. Industry Support Information

The cost of the parts, tools and manpower necessary to accomplish this service bulletin will be accepted by the customer.

Aug 26/09

1797-75-8415

Page 2 of 4

Aero Engine Controls
SERVICE BULLETIN

C. Material Necessary for Each Component

NOTE: If necessary, use the equivalent alternatives for the items given in the table below:

New P/N	Description	Old P/N	Qty	Instruction
N/A	Plate, identification	0215-4028	1	Replace
0215-4028	Plate, identification	215-4009	1	Replace
N/A	Strap, label retaining	215-410	1	Replace

D. Reidentified Parts

Not applicable.

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. General

- (1) If a LPC Bleed Master Actuator 1797 Mk2 unit is received at an approved maintenance facility with both of the Service Bulletins that follow included, continue from Para 3.B.:
 - Service Bulletin 1797-75-8412.
 - Service Bulletin 1797-75-8416.
- (2) If a LPC Bleed Master Actuator 1797 Mk2 unit is received at an approved maintenance facility with none, or just one, of the Service Bulletins specified in Para 3.A.(1) included, do the Service Bulletins that are not included, before you continue from Para 3.B.

NOTE: If a Service Bulletin from Para 3.A.(1) is done concurrently with this Service Bulletin, do NOT complete the Recording Action in Para 3.C. of Service Bulletin 1797-75-8412, or Para 3.B. of Service Bulletin 1797-75-8416.

B. Procedure (Ref. CMM 75-38-22)

- (1) Remove the identification plate (P/N 215-4009 or 0215-4028), but keep it, Ref. DISASSEMBLY section.
- (2) Discard the label retaining strap (P/N 215-410).

Aero Engine Controls
SERVICE BULLETIN

- (3) Use the applicable process, Ref ASSEMBLY section, to put the unit information shown on the identification plate kept at step (1), on a new identification plate (P/N 0215-4028), with the changes that follow:
 - (a) Show the unit type number as 1797 Mk3.
 - (b) Do not show modification numbers CP8412 or CP8416.
- (4) Discard the identification plate kept at step (1).
- (5) Install the new identification plate (0215-4028), Ref ASSEMBLY section.

C. Recording Action

- (1) When the accomplishment instructions have been completed successfully, record Service Bulletin number 1797-75-8415 on the applicable unit documentation.