

REF: 111-71

ER. 6070

EO 05-45B-6A/

ROYAL CANADIAN AIR FORCE

MODIFICATION

PILOT'S EXTENSION LIGHT INSTALLATION

EQUIPMENT AFFECTED:	EXPEDITOR 3
BY WHOM WORK WILL BE PERFORMED:	UNITS, R.D's, C.A.I.R. CONTRACTOR
WHEN WORK WILL BE PERFORMED:	AT DISCRETION OF USER
R.C.A.F. FORM ENTRIES:	L14, LOG BOOK
MODIFICATION OF SPARES IN STOCK:	N.A.

PURPOSE

- To replace type B7A Light which is no longer manufactured.

MODIFICATION DATA

- 3N, NM, TM - Remove Lamp Assembly P/N 804-180866 (Ref. EO 05-45B-4, FIG 85, item 13) and attachments.
 - 3T- Remove Light Installation P/N 2MBA 6690 (Ref. EO 05-45 B-4, Fig. 85, item 14) and attachments.
 - Install type C4A Lamp Assembly in accordance with Bristol Drawing 111-71034 in all marks.

PARTS REQUIRED

- The following parts are required to incorporate this modification
5L/1394

Light Assembly Type C4A	1
111-71034-3 Spacer	1
AN515-8R26 Screw	2
AN 365-832 Nut	2
111-71034 Installation Dwg.	1

PARTS RENDERED SURPLUS OR OBSOLETE

- The following parts are to be disposed of in accordance with CAP 16:

a) 3N, NM, TM, 804-180866	Lamp Assembly	1
AN515-6R8	Screw	2
AN960-6	Washer	2
AN3127-302	Bulb	1

b) 3T - 2MBA6690	Light installation	1
3MBA6660	Bracket	1
AN 526-832-8	Screw	4
AN 960-8	Washer	4
AN 365-832	Nut	4
804-180866	Light Assembly	1
AN526-832-6	Screw	2

WEIGHT, LOADING and BALANCE DATA

5. The effect on weight and C. of G. is negligible.

BRISTOL AIRCRAFT (WESTERN) LIMITED P.O. BOX 874, WINNIPEG, CANADA		ENGINEERING CHANGE PROPOSAL Preliminary <input type="checkbox"/> Re-issue <input type="checkbox"/> Final <input checked="" type="checkbox"/>		RCAF Modification Number	
1	ECP No. BAW/EXP-004	Date 27 Jan 1968	Contract Demand No. CDW 572860	Articles in Production Yes No X	Est. Effective Date Upon RCAF Request
2	Name of Complete Articles (Eng. Prop. Carb. Etc.) EXTENSION LIGHT		Model or Type Designation and Spec No. TYPE C4A		Sect. No. 5L Ref. No. 1394 Class C
3	Part or Lowest Sub-Assembly Affected 644-180530 644-183540 644-180531 5MBA 13566		Nomenclature Eqipt. Instl. Fuselage Elect.	Part No. and Model or Type (If Any)	
4	Nature of Change The existing type B7A light assembly is removed and replaced by the type C4A light assembly.				
				Is Government Supplied Material Affected Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				Date Required at Contractor's Plant 2 weeks from receipt of order.	
5	Reason for Change Type B7A light is no longer manufactured. Modification effects standardization of installation.		Change (Quote Authority) Requested by RCAF In 1038JU-3 (ACA 2-2) APPENDIX "A" DATED 5 SEPT./57. Initiated by Contractor for 1. Compliance with New or Revised Spec. No. N.A. 2. Fix for Spec. No. or UCR No. N.A. 3. Compliance with RCAF Instructions Letter as above 4. Others N.A.		
6	Estimated Cost Proposal for Change (For Purpose of Allocation of Funds) Kit installation at BA(W)L \$10.05. Recommended for unit installation.				
7	Estimated Cost Proposal for Kits or Parts (For Purpose of Allocation of Funds) F.O.B. #7 S.D. 1 kit based on 100 off \$6.50				

Check all Items Listed Below Affected By Change and Explain in Block 5 or By Attachment

Air-worthiness	Combat Effectiveness	Performance	Operating Procedure	Inter-changeability	Overhaul Methods	Wt & Bal.	Tools & Equip.	Maintenance Procedure	Spare Parts Exhibit	Durability
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
8 Data Affected		Aircraft	Pilots Operating Instructions - 1		Desc. & Maint. - 2	Repair & Overhaul - 3	Parts List - 4		X	
		Other than Aircraft	Pub. No.		Pub. No.	Pub. No.	Pub. No.		Pub. No.	

List of Drawings Affected

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111-71034 Light installation - Pilot's utility
 804-180866 Lamp assembly - Cockpit extension
 644-180540 } Equipment installation - Fuselage
 644-180531 } Electrical
 644-180530 }
 5MBA 13566 }
 2MBA 6690 Installation - Assembly - Pilot's extension light

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Estimated Serial No. or Effective Point Identification (If Firm, so Indicate)

Upon RCAF request

Does Contractor Recommend That Change Be Made Retroactive On Articles
 Already Delivered to the RCAF Yes No

Is Service Bulletin Recommended

Yes No

Reasons for Recommendations

Installation within unit
 capability

Lines 11, 12, 19, 20, 21 & 24 Below Shall Be Completed Only For Changes When The Contractor Recommends or the RCAF Directs That the Change Will Be Retroactive.

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Serial Numbers Affected

N.A.

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Estimated Man-Hrs to Accomplish Change in Field 2 Hrs. with kit 4 to 5 hrs. otherwise

Source of Parts

RCAF & BA(W)L

Approximate Date Kits and Parts Will Be Available

First Kits All 4 wks. from order

Rate of Delivery

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List Spare Parts Affected by Change

804-180866 Light 5L/1123 CIS C

J. Davidson 27 Jan 58
 Date
 BRISTOL AIRCRAFT (WESTERN) LIMITED

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Comments

Technical approval only

Comments

C. French 27 Jan
 RCAF Rep. Date

DDP Rep.

Date

15	Comments			
16	Action Required on Delivered Equipment Yes <input type="checkbox"/> No <input type="checkbox"/>		Engineering Order Required <input type="checkbox"/> Engineering Order Not Required <input type="checkbox"/>	
	Date	Section	Branch	Signature

RCAF AFHQ/AMTS/CHIEF of Development Review

17	Comments			
	Date	Section	Branch	Signature

RCAF/ AFHQ/AMTS/CHIEF of Materiel Review

18	Comments			
	Date	Section	Branch	Signature
19	Number and Title of Modification EO Series <p style="text-align: center; margin: 0;">05-45B-6A/ Field Modifications - Expeditor 3</p>			
20	Associated Modifications		Number of Sets Required	

Originator's Installation Recommendation

- 21 (a) When to be Embodied.... **At discretion of user**
- (b) Contractor's Classification for Overhaul Mods..... **N.A.**
- (c) Is Leaflet Being Issued..... **Proposed**
- (d) Mod. to be Accomplished By **Units, R.D's, C.A.I.R. Contractor**
- (e) RCAF Form Entries..... **114 Log Book**
- (f) Special Instructions..... **N.A.**

Remarks of Command or Other Specialist Officer

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Signature Date

Comments on Modification Approval

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Approved.....
Signature

Not Approved.....
Signature
Date.....

Provisioning Instructions
(Indicate Source of Equipment Required)

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5L/1394 Light - R.C.A.F. Supply

Parts - Bristol Aircraft (Western) Limited

APPENDIX A

Parts Required						
Ref. Number	Part Number	Description	Quantity		Initial Quantity of Spares	
			Req'd	Ship		
25	5L/1394	Light	1			
		111-71034-3	Spacer	1		
	28/27401	AN515-8R26	Screw	2		
	28/4863	AN365-832	Nut	2		
	111-71034	Drawing	1			

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Certified Reference Numbers are Correct
Items Not Referenced are Accounted for by Part Number
Modification Kit is Allotted Ref. Number.....In Section.....

Signature Date

Parts To Be Removed

Ref. Number	Part Number	Description	Quantity
EXPEDITOR 3N, NM, TM -			
5L/1123	804-180866	Lamp Assembly	1
28/21466	AN515-6RB	Screw	2
28/394	AN960-6	Washer	2
	AN3127-302	Bulb	1
EXPEDITOR 3T -			
	2MBA6690	Light Installation	1
	3MBA6660	Bracket	1
28/10028	AN526-832-8	Screw	4
28/395	AN960-8	Washer	4
28/4863	AN365-832	Nut	4
5L/1123	804-180866	Lamp Assembly	1
28/10010	AN526-632-6	Screw	2

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Disposal Action on Redundant Items, Listed Above, is Indicated Herein
Dispose of in Accordance With

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Signature

.....
Date