

ER. 6077

REF: III-72

EO 05-45B-6A/

ROYAL CANADIAN AIR FORCE
MODIFICATION

INSTALLATION OF INVERTER RADIO
INTERFERENCE FILTER

EQUIPMENT AFFECTED:	EXPEDITER 3
BY WHOM WORK WILL BE PERFORMED:	UNITS, E.D.'S, CONTRACTORS.
WHEN WORK WILL BE PERFORMED:	AS REQ'D, #4 CHECK
RCAF FORM ENTRIES:	L-14, LOG BOOK
MODIFICATION OF SPARES IN STOCK:	UPON INSTALLATION IN AN A/C

PURPOSE

1. TO REDUCE RADIO COMPASS INTERFERENCE FROM THE MG-149F INVERTER.

MODIFICATION DATA

2. a) WHERE THE 2N INVERTER HAS BEEN INSTALLED IT SHOULD BE REPLACED WITH THE MG-149F (REF 5U/1821) INVERTER.
- b) REMOVE INVERTER FILTER COVER.
- c) INSTALL THE BRACKET ON THE INVERTER FILTER COVER AS SHOWN IN FIG. 1.
- d) REPLACE INVERTER FILTER COVER.
- e) INSTALL FILTER BOX AS SHOWN IN FIG 1 CONNECTING CABLE AS SHOWN.

PARTS REQUIRED

3. THE FOLLOWING PARTS ARE REQUIRED TO EMBODY THIS MODIFICATION:

III-72011-1,	INSTALLATION	1
	CONSISTING OF	
III-72011-3	BRACKET	1
III-72012-1	FILTER BOX	1
III-72012-3	BOX	1
	ATTACHING PARTS	
III-72012-9	BRACKET ASS'Y	2
ANIS-8R36	SCREW	2

2MBA5755B3-3-12-0	JUMPER	1
ANSIS-8RS	SCREW	1
MS20364-832	NUT	1
111-72012-5	COVER	1
ATTACHING PARTS		
ANSIS-4R4	SCREW	8
FB 3040	CAPACITOR	2
AN 470 AD4-S	RIVET	4

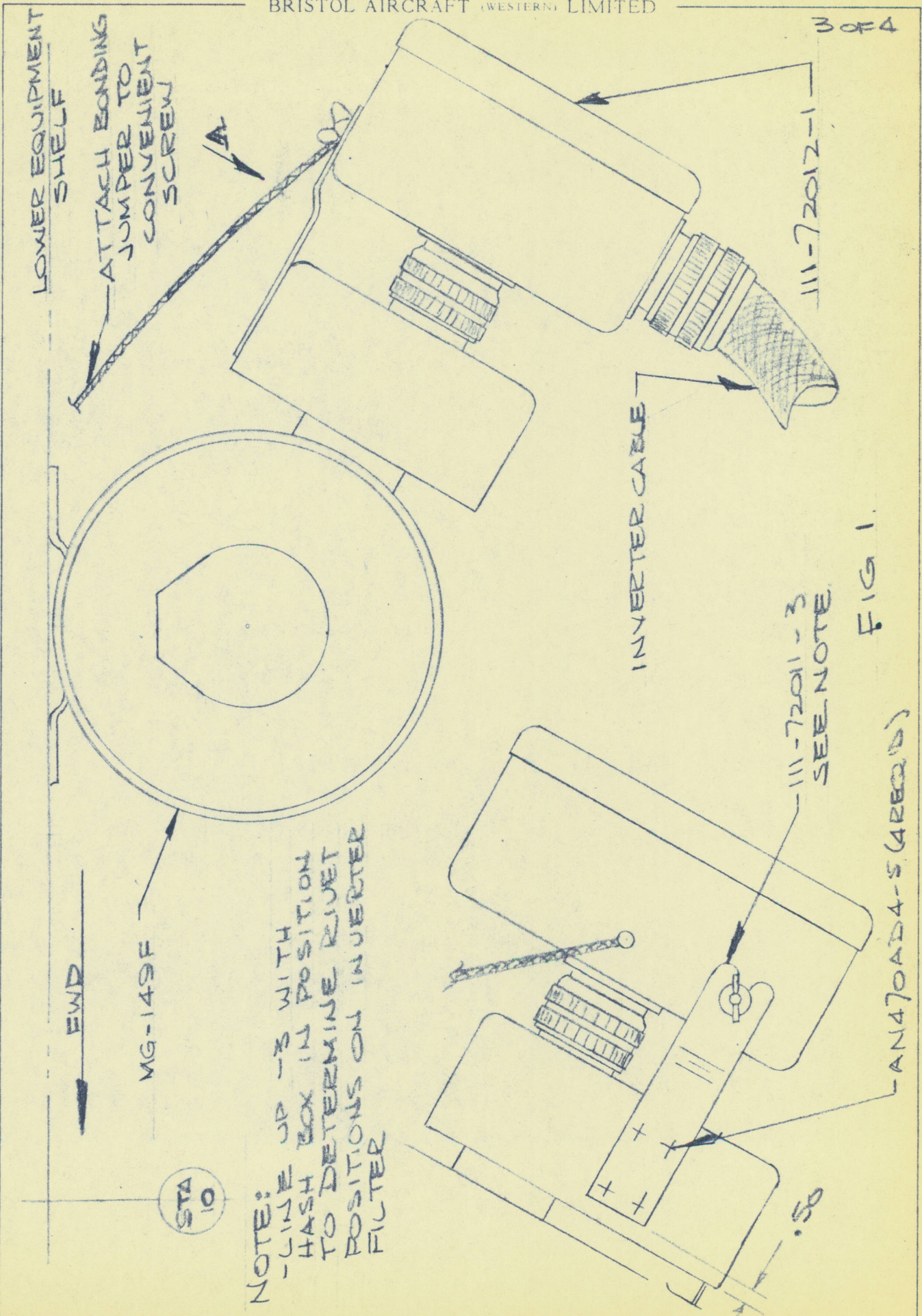
PARTS RENDERED SURPLUS OR OBSOLETE
4. N.A.

WEIGHT & BALANCE DATA

5. THE EFFECT ON WEIGHT & C.O.F.G. IS
NEG LIGABLE.

ADDITIONAL DATA

6. a) ENSURE THE INVERTER CABLE IS WIRED IN ACCORDANCE WITH THE WIRING DIAGRAM FIG 2.
- b) THE INVERTER COVER MUST REMAIN WITH THE AIRCRAFT ON CHANGE OF INVERTER & THE NEW COVER PLACED ON THE REPLACED INVERTER.
- c) THIS MODIFICATION APPLYS TO THE MG-149F INVERTER ONLY AS INSTALLED IN THE EXPEDITOR 3.



LOWER EQUIPMENT SHELF

ATTACH BONDING JUMPER TO CONVENIENT SCREW

EWD

MG-149F

STA 10

NOTE:
 POSITION TERMINAL BLOCK TO DETERMINE RIVET POSITIONS ON INVERTER FILTER

INVERTER CABLE

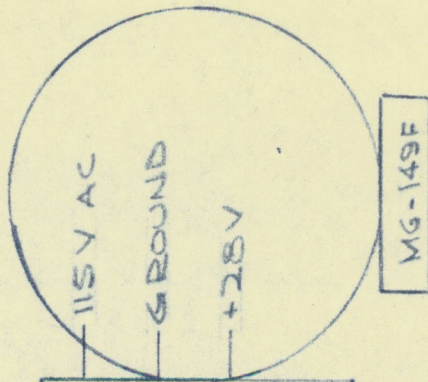
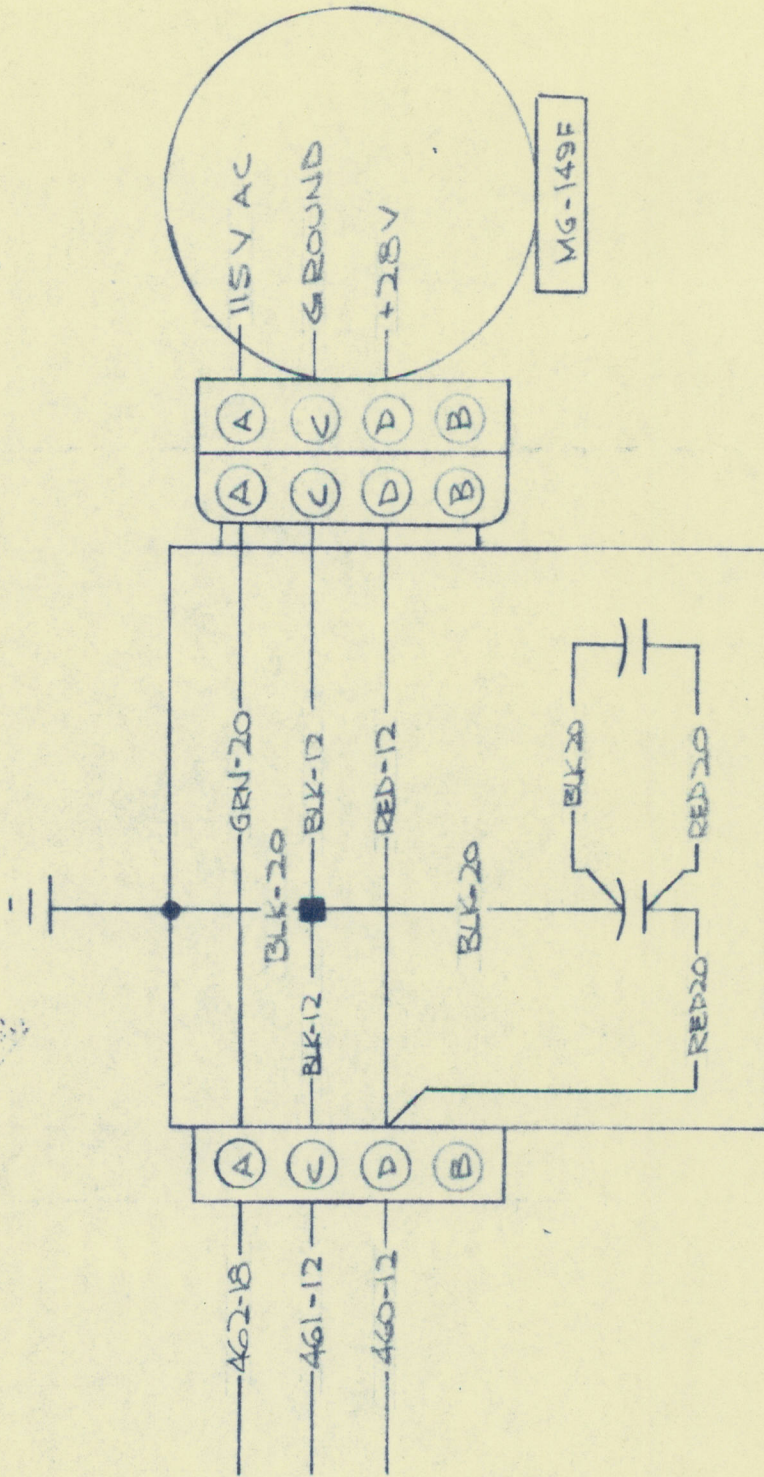
111-72011-3
 SEE NOTE

FIG 1.

AN470A4-5 (AREC'D)

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BREWSTER - 27 JUN 58



WIRING DIAGRAM

FIG. 2

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
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ROUGH

1	ECP No. BAW/EXP-008	Date	Contract Demand No. CDW 772810	Articles in Production Yes No X	Est. Effective Date UPON RCAF REQUEST
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2	Name of Complete Articles (Eng. Prop. Carb. Etc.) FILTER BOX	Model or Type Designation and Spec No. 111-72012	Sect. No. Ref. No. Class
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3	Part or Lowest Sub-Assembly Affected MG-149F	Nomenclature INVERTER	Part No. and Model or Type (If Any) EXPEDITOR 3
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4	Nature of Change <p style="text-align: center;">A FILTER UNIT IS MOUNTED ON THE AFT SIDE OF THE MG-149F INVERTER FILTER.</p>
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Is Government Supplied Material Affected Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Date Required at Contractor's Plant N/A
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5	Reason for Change <p style="text-align: center;">TO REDUCE THE RADIO COMPASS INTERFERENCE FROM THE MG-149F INVERTER.</p>	Change (Quote Authority) Requested by RCAF In <p style="text-align: center;">1038JU-E(LC/R04) DATED 1 APR/58</p> Initiated by Contractor for 1. Compliance with New or Revised Spec. No. 2. Fix for Spec. No. or UCR No. 3. Compliance with RCAF Instructions <p style="text-align: center;">... ABOVE LETTER ...</p> 4. Others
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6	Estimated Cost Proposal for Change (For Purpose of Allocation of Funds)
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7	Estimated Cost Proposal for Kits or Parts (For Purpose of Allocation of Funds)
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Check all Items Listed Below Affected By Change and Explain in Block 5 or By Attachment

8	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 checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
	Data Affected		Aircraft		Pilots Operating Instructions - 1		Desc. & Maint. - 2		Repair & Overhaul - 3		Parts List - 4
	ER 2675						X				X
	Other than Aircraft		Pub. No.		Pub. No.		Pub. No.		Pub. No.		

Blessed - 27 Jun 58

8	List of Drawings Affected	
	111-72011	INSTALLATION - HASH FILTER BOX
	111-72012	ASS'Y - HASH FILTER BOX

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

Does Contractor Recommend That Change Be Made Retroactive On Articles Already Delivered to the RCAF Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Reasons for Recommendations WITHIN UNIT CAPABILITY	Is Service Bulletin Recommended Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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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.

11	Serial Numbers Affected
	N.A.

12	Estimated Man-Hrs to Accomplish Change in Field	Source of Parts BA(W)L	Approximate Date Kits and Parts Will Be Available	
			First Kits	Rate of Delivery

13	List Spare Parts Affected by Change
	N.A. SPARES TO BE MODIFIED ONLY UPON INSTALLATION IN A/C.
	_____ Date BRISTOL AIRCRAFT (WESTERN) LIMITED

14	Comments	Comments
	_____ 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 OS-45B-6A SERIES - EXPEDITOR 3 FIELD MODIFICATIONS			
20	Associated Modifications		Number of Sets Required	

Originator's Installation Recommendation

(a) When to be Embodied... AS REQ'D, NO. 4 CHECK

(b) Contractor's Classification for Overhaul Mods... N.A.

21 (c) Is Leaflet Being Issued... PROPOSED

(d) Mod. to be Accomplished By... UNITS, R.D.'S, CONTRACTORS

(e) RCAF Form Entries... L14, LOG BOOK

(f) Special Instructions... SPARES TO BE MODIFIED ONLY UPON INSTALLATION IN A/C.

Remarks of Command or Other Specialist Officer

22

Signature Date

Comments on Modification Approval

23 Approved..... Signature

Not Approved..... Signature

Date.....

Provisioning Instructions
(Indicate Source of Equipment Required)

24 BRISTOL AIRCRAFT (WESTERN) LTD.

APPENDIX A

Parts Required					
Ref. Number	Part Number	Description	Quantity		Initial Quantity of Spares
			Req'd	Ship	
25					
<u>SEE ATTACHED LIST</u>					
26	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
27		N.A.	

28

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

.....
 Signature Date

BRISTOL AIRCRAFT (WESTERN) LIMITED

REPORT _____
 PAGE 1 OF 1
 COMPILED BY NDR
 APPROVED BY _____

TITLE PARTS LIST FOR E.C.P
BAW/EXP-008

DATE 27 Jun 58

ISSUE REF. NO.	ITEM	PART NUMBER	DWG ISS.	PART DESCRIPTION						QUANTITY PER		
				1	2	3	4	5	6	L.H. ASSY	R.H. ASSY	A/C
		<u>111-72011-1</u>		<u>INSTALLATION</u>								<u>1</u>
		<u>CONSISTING OF</u>										
		<u>111-72011-3</u>		<u>BRACKET</u>						<u>1</u>		<u>1</u>
		<u>111-72012-1</u>		<u>FILTER BOX</u>						<u>1</u>		<u>1</u>
		<u>111-72012-3</u>		<u>BOX</u>						<u>1</u>		<u>1</u>
		<u>ATTACHING PARTS</u>										
		<u>111-72012-9</u>		<u>BRACKET ASSY:</u>						<u>2</u>		<u>2</u>
		<u>AN515-8R36</u>		<u>SCREEN</u>						<u>2</u>		<u>2</u>
		<u>2MBAS/SSB3-3-12-0</u>		<u>JUMPER</u>						<u>1</u>		<u>1</u>
		<u>AN515-8RS</u>		<u>SCREW</u>						<u>1</u>		<u>1</u>
		<u>MS20364-832</u>		<u>NUT</u>						<u>1</u>		<u>1</u>
		<u>111-72012-5</u>		<u>COVER</u>						<u>1</u>		<u>1</u>
		<u>ATTACHING PARTS</u>										
		<u>AN515-4R4</u>		<u>SCREW</u>						<u>8</u>		<u>8</u>
		<u>FR 3040</u>		<u>CAPACITOR (CORNEW-DUBLIN)</u>						<u>2</u>		<u>2</u>
		<u>AN470AD4-5</u>		<u>RIVET</u>						<u>4</u>		<u>4</u>

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