




**Positions successives, opérations d'entretien et de remise en état mineures et majeures**  
*Successive locations, minor and major maintenance and overhaul operations*

Unité ou société Unit or Contractor	Date Date	Positions Location	Fonctionnement Operation			Motif du mouvement (code, symptômes) - Travaux effectués - Pièces changées Reason for transfer (code and symptoms) - Work carried out - Replaced parts
			Support Support	Partiel Partial	Total Total	
TURBOMECA	06.01 <del>2010</del>	ARRIEL 2C 24515	0	✓	0	Posé / Installed by <del>B. BRANCHI</del>
BOND	02/07/11	ARRIEL 2C-24515	755.24	755.24	755.24	REMOVED FROM ENG 24515 ON G-REDG w/o 30567
BOND	02/07/11	" - 24107	3655.29	755.24	755.24	INSTALLED ONTO ENG 24107 ON G-REDG w/o 30567.
BOND	04/7/11	" - 24107	3655.46	755.41	755.41	Removed from ENG 24107 on G-REDG w/o 30567
BOND	04/7/11	" - 24515	755.41	755.41	755.41	INSTALLED ONTO ENG 24515 ON G-REDG w/o 30567
BOND	28/11/11	" "	965.90	965.90	965.90	REMOVED FROM ENG 24515 - TRACKING PURPOSES.
BOND	08/11/11	265N3-6907	965.90	965.90	965.90	FITTED TO G-REDG AIRFRAME - TRACKING PURPOSES. <del>Removed</del> ENGINE - 24515
BOND	26-7-12	" - "	1246.26	1246.26	1246.26	Removed from eng 24515 w/o 39213
BOND	26-7-12	" - "	1246.26	1246.26	1246.26	INSTALLED ONTO eng 24300 w/o 39213
BOND	2/11/13	" "	3481.1	3481.1	3481.1	ENGINE 24360 REMOVED
BOND	2/11/13	" 24435	2148.0	2148.1	2148.1	FITTED TO ENGINE 24435
BABCOCK	18/6/15	" 24435	3476.9	4810.0	4810.0	ENGINE 24435 REMOVED
BABCOCK	16/6/15	" 24006	4519.0	4810.0	4810.0	FITTED TO ENGINE 24006
BABCOCK	11/01/16	" 24006	4951.7	5242.7	5242.7	ENGINE 24006 REMOVED
BABCOCK	11/1/16	" 24119	3909.6	5242.7	5242.7	FITTED TO ENGINE 24119
BABCOCK	18-3-17	" 24489	4957.2	6290.22	6290.22	REMOVED FROM ENGINE 24119 FITTED TO ENG 24489 w/o 8666
HELICO	17-02-2021	" 24178	3969.59	-	-	REMOVED AS DUE FOR COMPLIANCE OF MSB 292 73 2872. *
THALES	30-3-2021	Went by	-	-	-	Revised and Modified. wsr 3734723
BHICAS	12-7-21	ARRIEL 2C / 24228	1477.8	-	-	INSTALLED REF w/o: MIP000026-21 SMU



1. Approving Competent Authority/Country <i>Autorité Compétente/Pays</i>		2.			3. Form Tracking Number <i>N° de repère du Formulaire</i>	
DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		<b>AUTHORISED RELEASE CERTIFICATE</b> <i>Certificat Libératoire Autorisé</i> <b>EASA FORM 1</b> <i>Formulaire 1 de l'EASA</i>			W704496-5-00	
4. Organisation Name and Address : <i>Nom et Adresse de l'Organisme :</i>		Head office <i>Siège Social</i>		THALES AVS FRANCE SAS 75-77, Avenue Marcel Dassault 33700 MERIGNAC France		5. Work Order / Contract / Invoice <i>Bon de commande / Contrat / Facture</i>
				<b>THALES</b>		3734723
6. Item / <i>Item</i>	7. Description / <i>Description</i>	8. Part No. / <i>N° de pièce</i>	9. Qty / <i>Qté</i>	10. Serial No. / <i>N°série</i>	11. Status / Work / <i>Etat / Travaux</i>	
001	ECU (ELECTRONIC CONTROL UNIT)	C12380FD04	1	6631	REPAIRED	
Remarks / <i>Remarques</i> According to attached workshop report Notification N° :3734723 Acceptance test procedure : CMM 49-60-05 REV06 NOV29/2019 CMM 49-60-18 REV02 NOV28/08 Amendments :NONE  Thales SB C12380-49-016 Rev00 equivalent to Safran SB 292-73-2872. SBI SHE 292-73-2872 applied. SB C12380-49-013 Rev01 applied. Customer p/n 70BMC01030  Repair centre : 5 rue Marcel Dassault # BP 140 86101 CHATELLERAULT CEDEX France  The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under certificate no. DI5Y806M TCCA certificate number : 897-44						
<del>13a. Certifies that the items identified above were manufactured in conformity to</del> <del><i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux</i></del>  <input type="checkbox"/> <del>approved design data and are in a condition for safe operation</del> <del><i>données de conception approuvées et sont en état de fonctionner en toute sécurité</i></del>  <input type="checkbox"/> <del>non approved design data specified in block 12</del> <del><i>données de conception non approuvées spécifiées dans la case 12</i></del>			14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service <i>Approbation pour remise en Service</i> <i>Selon Partie 145.A.50</i> <input checked="" type="checkbox"/> Other regulation specified in block 12 <i>Autre réglementation précisée en case 12</i>  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work, the items are considered ready for release to service. <i>Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.</i>			
13b. Authorised Signature <del><i>Signature autorisée</i></del>		13c. Approval/Authorisation Number <del><i>Numéro d'agrément/d'autorisation</i></del>		14b. Authorised Signature <i>Signature autorisée</i> 		14c. Certificate/Approval Ref. No <i>N° du Certificat/Agrément</i>  FR.145.0113
13d. Name / <i>Nom</i>		13e. Date (dd mmm yyyy) / <i>Date (jj mmm aaaa)</i>		14d. Name / <i>Nom</i> Julien ROBERT F9111-5-SMU		14e. Date (dd mmm yyyy) / <i>Date (jj mmm aaaa)</i> 30 mar 2021
<b>USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur</b> This certificate does not automatically constitute authority to install the item(s). <i>Ce document ne constitue pas forcément l'autorisation d'installer l(es) item(s)</i> Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. <i>Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.</i> Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. <i>Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.</i>						

Notification : 3734723

Date: 08.MAR.2021

<b>Customer</b> : SAFRAN HELICOPTER ENGINES S	<b>Purch. order</b> : 3734723	<b>TSN</b> : UNK H
<b>P/N IN</b> : C12380FD04:F9111	<b>Date</b> : 05.MAR.2021	<b>TSO</b> : UNK H
<b>S/N IN</b> : 6631	<b>P/N Exch</b> : C12380FD04:F9111	<b>TSR</b> : UNK H
<b>Amdt IN</b> : None	<b>S/N Exch</b> : 8162	<b>CSN</b> : UNK
	<b>Amdt Exch</b> : None	<b>CSO</b> : UNK
<b>P/N OUT</b> : C12380FD04:F9111		
<b>S/N OUT</b> : 6631		
<b>Amdt out</b> : None	<b>Container type</b> : Package not reusable	<b>Exam. type</b> :
	<b>Packaging</b> :	<b>Devis</b> : YES
<b>Cust. P/N</b> : 70BMC01030	<b>Container</b> :	
<b>Description</b> : ECU (ELECTRONIC CONTROL UNIT)	<b>Seals</b> :	
	<b>ESD protection</b> : Yes: ESD conform	<b>Release Cert</b> :
		EASA / FAR / TCCA Part 145
<b>Air. Type</b> : AS365		
<b>Air. Num</b> : AS365/6907		
<b>Air. Regist.</b> : VT-HLM		

**REASON OF REMOVAL** Date of removal : 17.FEB.2021  
 Pour application du SB C12380-49-016 // SB SHE 292 73 2872 et rep si besoin  
 A renseigner dans avis et ordre : EOTP : PRCG-WFAB-32  
 SPT 15 j

**PO/RO Review** : Noellann GRIMA



Notif : 3734723

**INVESTIGATIONS (visual and functional)**

Insulation test: Correct.  
 Lightning test: Correct.  
 DUMP EEPROM: MST at "7FFFFFFF". SB C12380-49-013 must be applied.  
 Self-test: Correct.  
 Self-test on SHE bench: Correct.  
 Engagement test: Correct.  
 Prod test on MT1000: Correct.

Process A board out of order MST.  
 Incriminated component: U127. SB C12380-49-013 must be applied.  
 SB C12380-49-016 must be applied.

**CORRECTIVE ACTIONS : MR Repaired and Modified**

Work done in accordance with maintenance documentation mentioned and note JIRA13320, ac302992 issue 1, ac312621 and JIRA16685.

SB C12380-49-013 Rev01 applied: U127 was replaced on process A board E12840AJ02 s/n 2534.  
 Thales SB C12380-49-016 Rev00 equivalent to Safran SB 292-73-2872.  
 SBI SHE 292-73-2872 applied: U17 and U18 were replaced on power A board E17025CA s/n 3815.

Lightning test: Correct.  
 Prod test on MT1000 s/n 42: Correct.  
 Download application SHE in version 70BMC01030.  
 Engagement test: Correct.

**TASK IN ACCORDANCE WITH REASON OF REMOVAL : NO**

**REFERENCE DOCUMENT**

CMM 49-60-05 REV06 NOV29/2019  
 CMM 49-60-18 REV02 NOV28/08

**ITEMS REPLACED**

Part Number	Description	Location	Serial Number	Qty	Batch	Stat Nav
E17049CA	HYBRID,BOOSTER			1	1434069	O
E17050CA	HYBRID,CURRENT GNRTR			1	1431150	O
A1246749	INTEGRATED,CIRCUIT MEMORY EEPROM 32KX8 1	U127		1	838203	-

**PRELIMINARY INSPECTION :**

NAME : Julien ROBERT

**PERFORMED BY :**

NAME : Julien ROBERT  
 DATE : 30.MAR.2021  
 SIGNATURE :

**APPROVED BY :**

Stamp :

