

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |                                                                                                                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1. Approving Competent Authority / Country / <i>Autorité compétente / Pays</i><br>DIRECTION GENERALE DE L'AVIATION CIVILE<br>FRANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        | 2. <b>AUTHORISED RELEASE CERTIFICATE</b><br><i>Certificat Libérateur Autorisé</i><br>EASA FORM 1<br><i>Formulaire 1 de l'EASA</i> |                     | 3. Form Tracking Number<br><i>N° de repère du Formulaire</i><br>106345240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| 4. Organisation Name and Address :<br><i>Nom et Adresse de l'Organisme :</i><br>ROCKWELL COLLINS FRANCE<br>6 AVENUE DIDIER DAURAT<br>31700-BLAGNAC-FRANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | 5. Work Order / Contract / Invoice<br><i>Bon de commande / Contrat / Facture</i><br>W53153                                        |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| 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> |
| 000010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MCP-730 / MODE CONTROL PANEL - MCP-730 | 822-1567-101                                                                                                                      | 1                   | 14JHF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | REPAIRED                                  |
| 12. Remarks<br><i>Remarques</i><br><br>1. "Repaired" & "Inspected/Tested" referring to 'Tested Per' documentation(s) in Service/Memorandum (see Form Tracking Number in block 3).<br>2. Modification installed this return: None.<br>3. Unit tested in accordance with 523-0780935, 1st Edition, 31st Revision, 0 Temporary Revision.<br>Item Numbers refer to numbers on Delivery Document<br><br>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 R9CY096N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                                                                                                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| 13a. Certifies that the items identified above were manufactured in conformity to :<br><i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément à :</i><br><div><input type="checkbox"/> approved design data and are in condition for safe operation<br/><i>données de conception approuvées et sont en état d'opération en toute sécurité</i><br/><input type="checkbox"/> non-approved design data specified in block 12<br/><i>données de conception non approuvées spécifiées dans la case 12</i></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                                                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| 13b. Authorised Signature<br><i>Signature autorisée</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        | 13c. Approval/Authorisation No<br><i>Numéro d'agrément d'autorisation</i>                                                         |                     | 14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service<br><i>Approbation pour remise en service</i><br><i>Selon Partie 145.A.50</i><br>Other regulation specified in block 12<br><i>Autre réglementation précisée en case 12</i><br>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.<br><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> |                                           |
| 13d. Name / <i>Nom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        | 14b. Authorised Signature<br><i>Signature autorisée</i>                                                                           |                     | 14c. Certificate/Approval Ref No<br><i>N° du Certificat/Agrément</i><br>FR.145.0121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| 13e. Date (dd mm yy) / <i>Date (jj mm aa)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        | 14d. Name / <i>Nom</i><br>Stephen Nedev APRS 282                                                                                  |                     | 14e. Date (dd mm yy) / <i>Date (jj mm aa)</i><br>20/DEC/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur<br>This certificate does not automatically constitute authority to install the item(s).<br><i>Ce document ne constitue pas forcément l'autorisation d'installer l(es) item(s).</i><br>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.<br><i>Quand l'utilisateur/installateur travaille selon les réglementations d'une 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><br>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.<br><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><br>EASA Form 1-MF/CAO/145 Issue 3 / Formulaire 1-MF/CAO/145 de l'EASA Edition 3 |                                        |                                                                                                                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. Approving Competent Authority / Country<br>UK CAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | 2.                                               |        | 3. Form Tracking Number<br>106345240                                                                                                                                                                                                                                                                                                                                                           |                   |
| 4. Organisation Name and Address :<br>Tel: + 33 5 61717700<br>Fax: + 33 5 61717788                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |                                                  |        | 5. Work Order / Contract / Invoice<br>W53153                                                                                                                                                                                                                                                                                                                                                   |                   |
| 6. Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7. Description                         | 8. Part No                                       | 9. Qty | 10. Serial No                                                                                                                                                                                                                                                                                                                                                                                  | 11. Status / Work |
| 000010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MCP-730 / MODE CONTROL PANEL - MCP-730 | 822-1567-101                                     | 1      | 14JHF                                                                                                                                                                                                                                                                                                                                                                                          | REPAIRED          |
| 12. Remarks<br>1. "Repaired" & "Inspected/Tested" referring to 'Tested Per' documentation(s) in Service/Memorandum (see Form Tracking Number in block 3).<br>2. Modification installed this return: None.<br>3. Unit tested in accordance with 523-0780935, 1st Edition, 31st Revision, 0 Temporary Revision.<br>Item Numbers refer to numbers on Delivery Document                                                                                                                                                                                                                                                                                                                                                                        |                                        |                                                  |        |                                                                                                                                                                                                                                                                                                                                                                                                |                   |
| 13a. Certifies that the items identified above were manufactured in conformity to :<br><div><input type="checkbox"/> approved design data and are in condition for safe operation<br/><input type="checkbox"/> non-approved design data specified in block 12</div> <div><b>N/A</b></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                                                  |        |                                                                                                                                                                                                                                                                                                                                                                                                |                   |
| 13b. Authorised Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        | 13c. Approval/Authorisation No                   |        | 14a. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other regulation specified in block 12<br>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. |                   |
| 13d. Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        | 13e. Date (dd mmm yyyy)                          |        | 14b. Authorised Signature<br>                                                                                                                                                                                                                                                                               |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        | 14c. Certificate/Approval Ref.No<br>UK.145.01567 |        | 14d. Date (dd mmm yyyy)<br>20/DEC/2023                                                                                                                                                                                                                                                                                                                                                         |                   |
| USER/INSTALLER RESPONSIBILITIES<br>This certificate does not automatically constitute authority to install the item(s).<br>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.<br>Statements in block 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. |                                        |                                                  |        |                                                                                                                                                                                                                                                                                                                                                                                                |                   |

# Service Memorandum

**Service Notification: 106345240**

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|                                                                                                                                                                                                                                                                                                                  |  |                                                                                                     |  |                                                                                                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| <b>Customer:</b> AJ WALTER AVIATION LTD                                                                                                                                                                                                                                                                          |  | <b>Contract Number:</b> 40481742                                                                    |  | <b>Repair Station Certificate #:</b><br>R9CY096N FR.145.0121                                                           |  |
| <b>Customer P.O. Number:</b> W53153                                                                                                                                                                                                                                                                              |  | <b>Cust Reject #:</b><br><b>Govt Incoming Doc # :</b><br><b>Date Equipment Received:</b> 21.11.2023 |  | ROCKWELL COLLINS FRANCE<br>R9CY096N FR.145.0121<br>PO Box 20008<br>F-31700 BLAGNAC<br>France                           |  |
| <b>Outgoing Equipment</b>                                                                                                                                                                                                                                                                                        |  | <b>Incoming Equipment</b>                                                                           |  | <b>Aircraft Information</b>                                                                                            |  |
| Equipment Type/Model : MCP-730                                                                                                                                                                                                                                                                                   |  | MCP-730                                                                                             |  | Type : Boeing 737-800                                                                                                  |  |
| Part Number : 822-1567-101                                                                                                                                                                                                                                                                                       |  | 822-1567-101                                                                                        |  | Serial Number : 37886                                                                                                  |  |
| Serial Number/MCN : 14JHF                                                                                                                                                                                                                                                                                        |  | 14JHF                                                                                               |  | Tail No : HL8375                                                                                                       |  |
| Description : MODE CONTROL PANEL                                                                                                                                                                                                                                                                                 |  | MODE CONTROL PANEL                                                                                  |  | Position :                                                                                                             |  |
| Mil Nomenclature :                                                                                                                                                                                                                                                                                               |  |                                                                                                     |  | Removed at Gateway:                                                                                                    |  |
| Customer Part Number :                                                                                                                                                                                                                                                                                           |  |                                                                                                     |  | Date Unit Removed : 02.11.2023                                                                                         |  |
| Customer Serial Number:                                                                                                                                                                                                                                                                                          |  |                                                                                                     |  | For Questions Regarding This<br>Service Work, Please Contact<br>Customer Service at:<br>Phone : + 33 61418824<br>Fax : |  |
| <b>Customer Complaint/Instructions</b><br>AUTO PILOT "B" V/S INOP                                                                                                                                                                                                                                                |  |                                                                                                     |  |                                                                                                                        |  |
| <b>Preliminary Inspection Results:</b><br>Warranty seals OK. SB MCP-730-22-C required but not applicable.                                                                                                                                                                                                        |  |                                                                                                     |  |                                                                                                                        |  |
| <b>Hidden Damage Inspection Results</b><br>None.                                                                                                                                                                                                                                                                 |  |                                                                                                     |  |                                                                                                                        |  |
| <b>Was the Complaint Verified?</b> YES                                                                                                                                                                                                                                                                           |  | <b>Were There Any Defects Found?</b> YES                                                            |  |                                                                                                                        |  |
| <b>Description of What Was Wrong with the Equipment:</b><br>Your warranty claim is denied as this repair is not related with the previous one. Complaint verified due to multiple V/S encoder failure recorded in NVM. Also found SPEED PB light defective. However, lamps on panel illuminated are not uniform. |  |                                                                                                     |  |                                                                                                                        |  |
| <b>Airworthiness Directives</b><br>No AD's applicable to this article.                                                                                                                                                                                                                                           |  |                                                                                                     |  |                                                                                                                        |  |
| <b>Description of Service Work Performed:</b><br>Replaced V/S encoder, SPEED lens and lamps in front light panel according to MCP-730 SIL 11-1 rev-.<br>Bench test -OK.                                                                                                                                          |  |                                                                                                     |  |                                                                                                                        |  |

**Service Memorandum**  
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**Service Notification: 106345240**

Service Bulletins/Mods Installed This Return:

None

Outgoing Service Bulletin Configuration:

1,2,3

**This Article Has Been Certified Airworthy**

**On 20.12.2023 By Stephen Nedev APRS 282**

INSP  
282  
RCF

Preliminary Inspection : 07.12.2023 By Lucas Soulie

Hidden Damage Inspection : 07.12.2023 By N / A

Service : 07.12.2023 By N / A

Final Test : 19.12.2023 By Lucas Soulie

Tested Per 1 : 523-0780935 ED. 1 REV. 31 TEMP REV. -

Final Inspection : 20.12.2023 By Stephen Nedev

**Defective / Failed Parts Replaced**

**Part Number**

830-8721-004

**Description**

THUMBWHEEL ASSEMBLY

**Circuit Symbol**

A1A14