



No. EC120-88-003

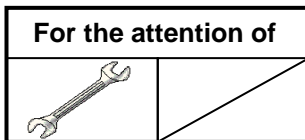
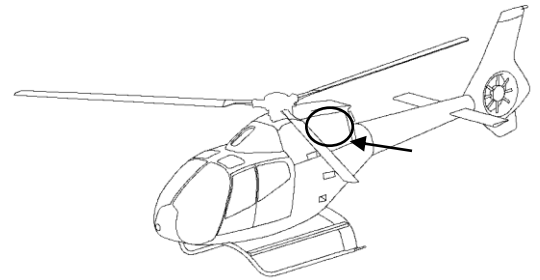
Civil version(s): B

SERVICE BULLETIN

OBSOLESCENCE MANAGEMENT

ELECTRICAL HARNESSSES

Obsolescence of relay of the ELT antenna installation



Revision No.	Date of issue
Revision 0	2023-12-15

Summary:

The objective of this Service Bulletin is to replace the relay (reference R562743) because of obsolescence.

Compliance:

Airbus Helicopters recommends that you comply with this Service Bulletin.

Export Control:

US Export Control - No US content. This Item does not contain any U.S. origin ITAR or EAR content.

FR Export Control - Not Listed. This Item is not listed against the EC regulations in the EU/FR.

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1. PLANNING INFORMATION



CAUTION

MAKE SURE THAT THE MODIFICATIONS RELATED TO THIS SERVICE BULLETIN AGREE WITH THE HELICOPTER CONFIGURATION AT THIS TIME. IF THE MODIFICATIONS DO NOT AGREE WITH THE HELICOPTER CONFIGURATION:

- PREPARE THE NECESSARY ADAPTATION WORK.
- GET THE APPROVAL BY THE APPLICABLE LOCAL AIR TRANSPORT AUTHORITIES.
- COMPLY WITH THE AIRWORTHINESS REQUIREMENTS.

THIS SERVICE BULLETIN IS WRITTEN FOR THE INITIAL HELICOPTER CONFIGURATION SPECIFIED IN THE INDIVIDUAL INSPECTION LOG BOOK. IT INCLUDES ONLY THE POST-DELIVERY CONFIGURATION CHANGES THAT ARE KNOWN AND APPROVED BY AIRBUS HELICOPTERS.

1.A. EFFECTIVITY

1.A.1. Helicopters/installed equipment or parts

Helicopters with relay reference R562743.

1.A.2. Non-installed equipment or parts

- Relay reference R562743
- Relay support reference C256A3310201.

1.B. ASSOCIATED REQUIREMENTS



CAUTION

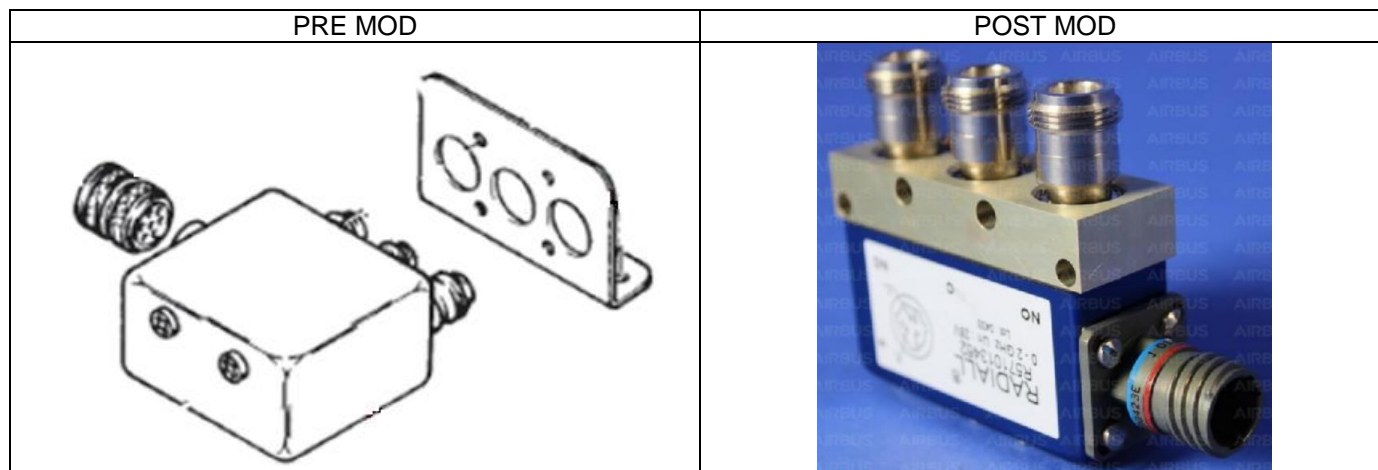
THIS SERVICE BULLETIN INSTALLS A NEW RELAY REFERENCE R571-013-462. BEFORE YOU COMPLY WITH THIS SERVICE BULLETIN, MAKE SURE THAT THERE WAS NO ALERT SERVICE BULLETIN RELATED TO THIS INSTALLATION. IF THERE IS SUCH AN ALERT SERVICE BULLETIN, MAKE SURE THAT IT IS NOT ISSUED BETWEEN THESE DATES:

- THE DATE OF APPROVAL OF THIS SERVICE BULLETIN
- THE TIME YOU DO THE WORK (GIVEN IN THIS SERVICE BULLETIN) ON THE HELICOPTER.

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1.C. REASON

The objective of this Service Bulletin is to replace the relay (reference R562743) because of obsolescence.



1.D. DESCRIPTION

This Service Bulletin includes the work steps that follow:

- Replacement of the relay
- Modification of the electrical wiring.

1.E. COMPLIANCE

1.E.1. Compliance at H/C manufacturer level

Not applicable.

1.E.2. Compliance in service

It is the operator who does the work on the helicopter.

Helicopters/installed equipment or parts:

Comply with paragraph [3.B.](#)

Non-installed equipment or parts:

It is the operator who makes the decision on the level of stock related to the compliance with this Service Bulletin.

1.F. APPROVAL



The technical content of this document is approved under the authority of the Design Organization Approval ref. EASA. 21J.700.

For helicopters operated outside the terrain regulated by the EASA, the application of this document is subject to validation provided by the responsible aviation authority of the state of registry.

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1.G. MANPOWER



Airbus Helicopters recommends that the personnel who will do this Service Bulletin have these qualifications:

Qualification: - 1 Electrical Technician
- 1 Airframe Technician.



The man-hours are an estimate given for information only and for a standard helicopter configuration.

Estimated Man-hours: - 4 hours for the Electrical Technician
- 1 hour for the Airframe Technician.



The helicopter downtime is an estimate given for information only and for a standard helicopter configuration.

The estimate of the helicopter downtime is half a day.

1.H. WEIGHT AND BALANCE



Weight: -0.18 kg
Longitudinal moment: -0.94 m.kg
Lateral moment: -0.10 m.kg

After you complete the work, record the new weight and moments in your applicable document.

1.I. POWER CONSUMPTION

Not changed.

1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

1.K. REFERENCES

These documents are necessary to comply with this Service Bulletin:

Aircraft Maintenance Manual (AMM):

AMM: 24-00-00, 3-1: General Safety Instructions - Electrical Power Supply System
AMM: 25-63-01, 5-1: Functional Tests - JOLLIET JE2 and JE2 NG Emergency Locator Transmitter
AMM: 25-63-02, 5-1: Functional Tests - SOCATA 96 Emergency Locator Transmitter

Standard Practices Manual (MTC):

MTC: 20-02-05-404: Assembly by screws and nuts - Joining
MTC: 20-02-07-101: Electrical bonding: General - Electrical bonding
MTC: 20-04-04-401: Preparation of surfaces before painting - Surface treatment before painting
MTC: 20-07-02-201: Helicopter parked in a repair shop - Safety instructions
MTC: 20-07-03-408: Appearance checks on an aircraft after an inspection or repair - Technical instructions

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MTC: 20-80-20-101: Contact insertion and extraction method and tools - Standard Practices - Electrical Power

MTC: 20-80-20-425: Tools and settings associated with the crimping of contacts - Standard Practices - Electrical Power

MTC: 20-80-20-449: Protection of electrical wiring during maintenance operations - Standard Practices - Electrical Power

Information Notice (IN):

IN 3481-I-00: The Marketplace: an AirbusWorld eOrdering service

IN 3785-I-00: Introduction of the digital Service Bulletin reporting service SB Insight

Safety Promotion Notice (SPN):

SPN 3703-P-00: Foreign Object Damage prevention

1.L. OTHER AFFECTED PUBLICATIONS



TO COMPLY WITH THIS SERVICE BULLETIN, THE OPERATOR MUST MAKE SURE THAT ALL THE MAINTENANCE DOCUMENTS NECESSARY FOR THE MAINTENANCE OF THIS INSTALLATION ARE AVAILABLE. IF THEY ARE NOT AVAILABLE, THE OPERATOR MUST CONTACT AIRBUS HELICOPTERS TO GET THESE DOCUMENTS.

The manuals shown below are updated with the modification:

- Illustrated Parts Catalog (IPC)
- Wiring Diagrams Manual (WDM).

You will receive the documents to which you subscribe.

1.M. PART INTERCHANGEABILITY OR MIXABILITY

This Service Bulletin has no effect on the interchangeability and mixability.

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2. EQUIPMENT OR PARTS INFORMATION

2.A. EQUIPMENT OR PARTS: PRICE - AVAILABILITY - PROCUREMENT

Price

For information about the price of the modification kits and/or components, or for aid, contact the Airbus Helicopters Network Sales and Customer Relations Department.

Availability

Contact the Sales and Customer Relations Department to know the delivery lead times.

Procurement

Send an order for the necessary quantities to the Airbus Helicopters Network Sales and Customer Relations Department:

Airbus Helicopters
Etablissement de Marignane
Direction Ventes et Relations Client
13725 MARIIGNANE CEDEX
FRANCE

In the purchase order, write the information that follows:

- The mode of transport
- The destination
- The serial numbers of the helicopters to change.

2.B. LOGISTIC INFORMATION

Not applicable.

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Equipment or parts to be ordered:

Key Word	Qty	New Reference	Item	Former Reference	Instruction
Relay	1	R571-013-462	1	R562743	Discard
Bolt	1	22125BC040012L	2		
Washer	5	23111AG040LE	3		
Nut	5	ASN52320BH040N	4		
Screw	4	22125BC040042L	6		
Spacer	4	ENLIS3L10	7		
Union	1	E0617B9W	8	E0080-01-08C	Discard
Connector	1	EN3645W6AN98BN	9	E0052R8B3ASNF	Discard
Contact	3	EN3155-009F2020	10	EN3155-0019F2020	Discard

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Equipment or parts to be ordered separately:

Key Word	Qty	New Reference	Item	Former Reference	Instruction
Label	1	C008A025607499	5	DHS813-102.20	SEE NOTE

NOTE

The order of the label (5) is only necessary if the label (h) is in unsatisfactory condition.

2.D. EQUIPMENT OR PARTS TO BE RETURNED

Not applicable.

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3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

- Comply with the general safety instructions. Refer to Task 24-00-00, 3-1 (AMM).
- Comply with the general instructions on electrical bonding. Refer to Work Card 20-02-07-101 (MTC).
- Comply with the instructions on the contact insertion and extraction method and tools. Refer to Work Card 20-80-20-101 (MTC).
- Comply with the instructions on the tools and settings associated with the crimping of contacts. Refer to Work Card 20-80-20-425 (MTC).
- Comply with the instructions on the protection of electrical wiring during maintenance operations. Refer to Work Card 20-80-20-449 (MTC).

Unless specified differently, apply the standard tightening torque values. Refer to Work Card 20-02-05-404 (MTC).

3.B. WORK STEPS



CAUTION

MAKE SURE THAT YOU PREVENT ALL POSSIBLE FOREIGN OBJECT DAMAGE (FOD). REFER TO SPN 3703-P-00.

3.B.1. Preliminary steps

- Park the helicopter in a hangar. Refer to Work Card 20-07-02-201 (MTC).
- Install the applicable access equipment.
- Disconnect all the electrical power supplies.
- Remove and/or open all applicable cowlings, panels, doors and other items of equipment to get access to the different work areas.

3.B.2. Procedure

NOTE 1

Cut-outs and drilling: Work Card 20-04-04-401 (MTC) gives information on deburring and protection.

- Disconnect the connectors (f) from the relay (a) and put blanking caps (not shown) for protection ([Figure 2](#)).
- Remove and keep the blanking cap (g).
- Remove:
 - The union (i)
 - The connector (j)
 - The contact (k).
- Remove and discard the relay ([Figure 1](#) Detail B) with:
 - The bolts (c)
 - The washers (d)
 - The nuts (e)
 - The relay support (b).
- If in unsatisfactory condition, remove and discard the label "20RF" (h).

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- If there is no hole (D) ([Figure 3](#) Detail A):
 - Identify the position of the hole (D) in relation to the hole (A). Refer to the dimensions.
 - Drill the hole (D) to 4.2 mm diameter.
- Identify the position of the holes (B) in relation to the hole (D). Refer to the dimensions.
- Drill the holes (B) to 4.2 mm diameter.
- Put the relay (1) in position to agree with the holes (A), (B) and (D).

NOTE 2

Depending on the length of the wirings you can select between two positions of the relay (1) ([Figure 3](#), Solution 1 or Solution 2).

- Do the electrical bonding of the 2 screws (6) ([Figure 3](#) Detail B).
- Install the relay (1) with:
 - The screws (6)
 - The washers (3)
 - The spacers (7)
 - The nuts (4).
- Tighten the screws (6) to standard torque.
- Install in the hole (C):
 - The bolt (2)
 - The washer (3)
 - The nut (4).
- Tighten the bolt (2) to standard torque.
- Modify the electrical wiring with ([Figure 4](#)):
 - The union (8)
 - The connector (9)
 - The contacts (10).
- Do the continuity test of the changed wiring.
- Connect the connector (9) to the relay (1).
- Remove the blanking caps (not shown) from the connectors (f).
- Connect the connectors (f) to the relay (1).
- Install the blanking cap (g).
- If necessary, bond label "20RF" (5) as near as possible to the relay (1) ([Figure 3](#) Detail A).

3.B.3. Tests

- Connect all the electrical power supplies.
- Do the functional tests of the Emergency Locator Transmitter. Refer to Task 25-63-01, 5-1 or Task 25-63-02, 5-1 (AMM).

3.B.4. Final steps

- Clean and apply the close-up procedure to the work areas and the helicopter. Refer to Work Card 20-07-03-408 (MTC).
- Install or close all cowlings, panels, doors and items of equipment that you removed and/or opened during the preliminary steps (paragraph [3.B.1.](#) of this Service Bulletin).
- Remove the access equipment.

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3.C. RECORD OF COMPLIANCE

Compliance with this document:

Record the full compliance with this Service Bulletin, with the revision number, in the helicopter documents.

- Record compliance with this Service Bulletin (see IN 3785-I-00 for instructions):
QR code or hypertext link



NOTE 3

The recording of compliance with Service Bulletins in the SB Insight tool does not replace the recording in the helicopter documents.

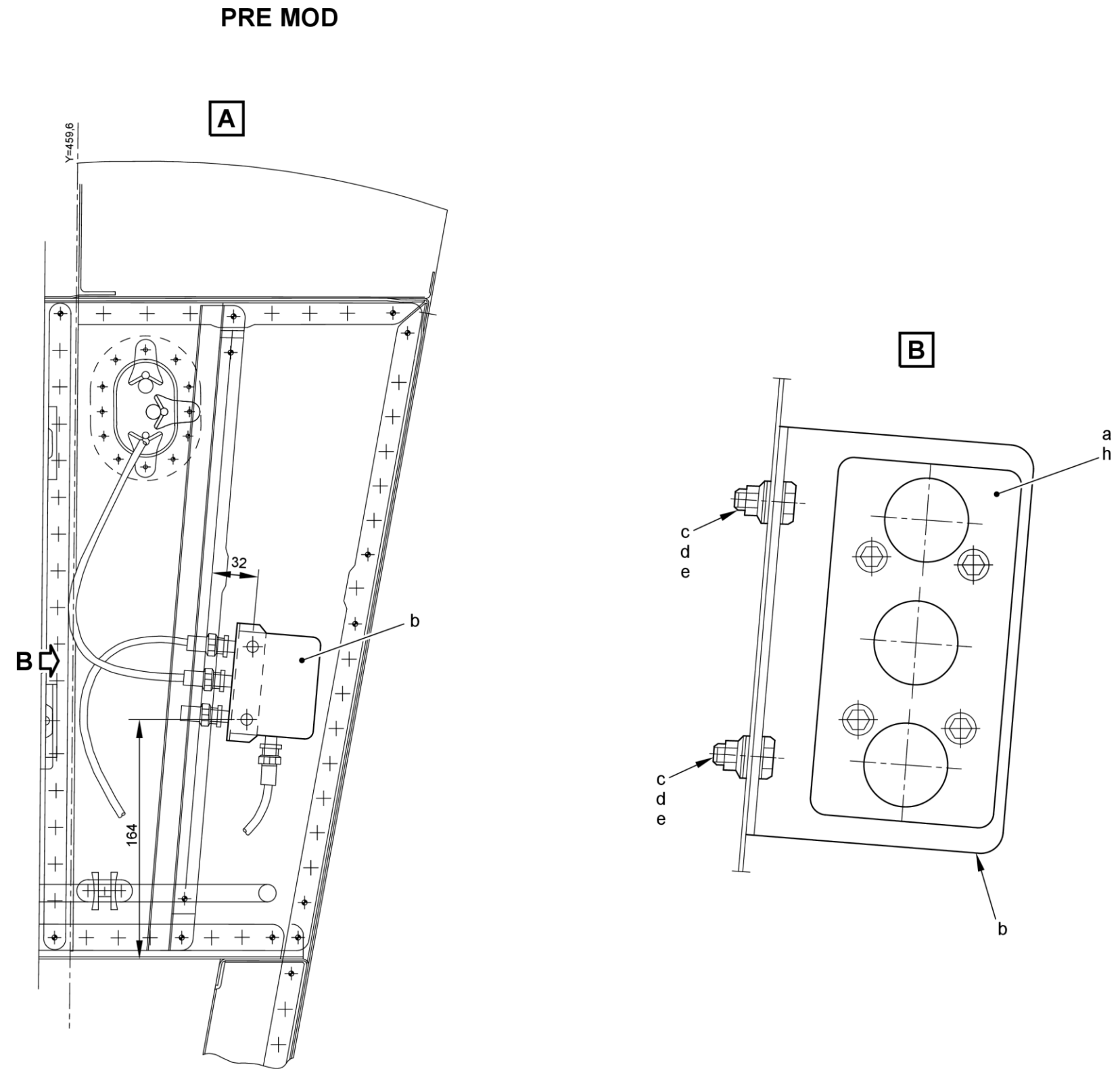
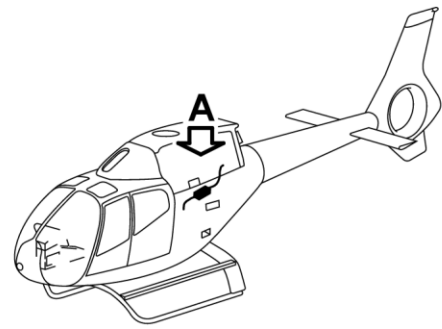
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Tracking of modifications in the documentation:

Record the full compliance with this Service Bulletin, with the revision number, in the helicopter documents.

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.

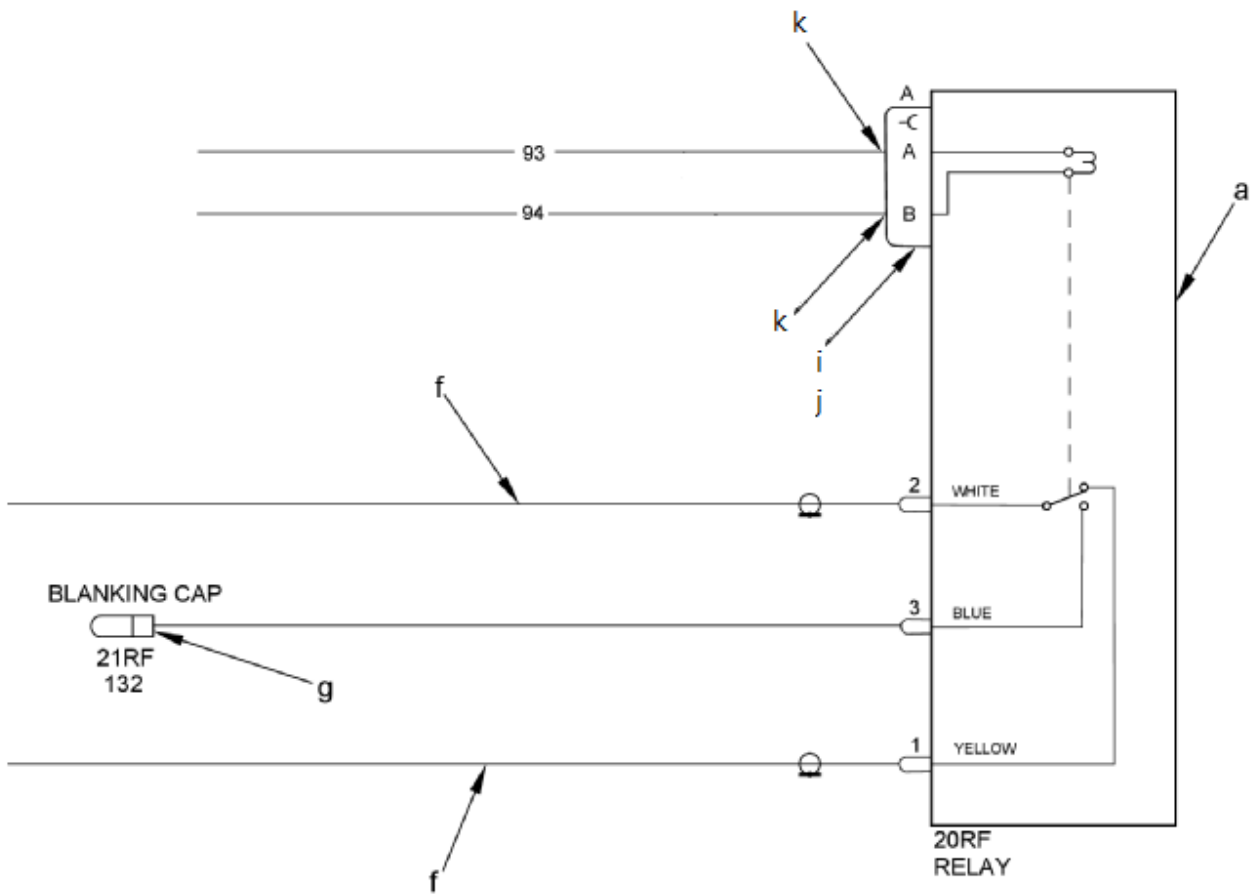


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Figure 1

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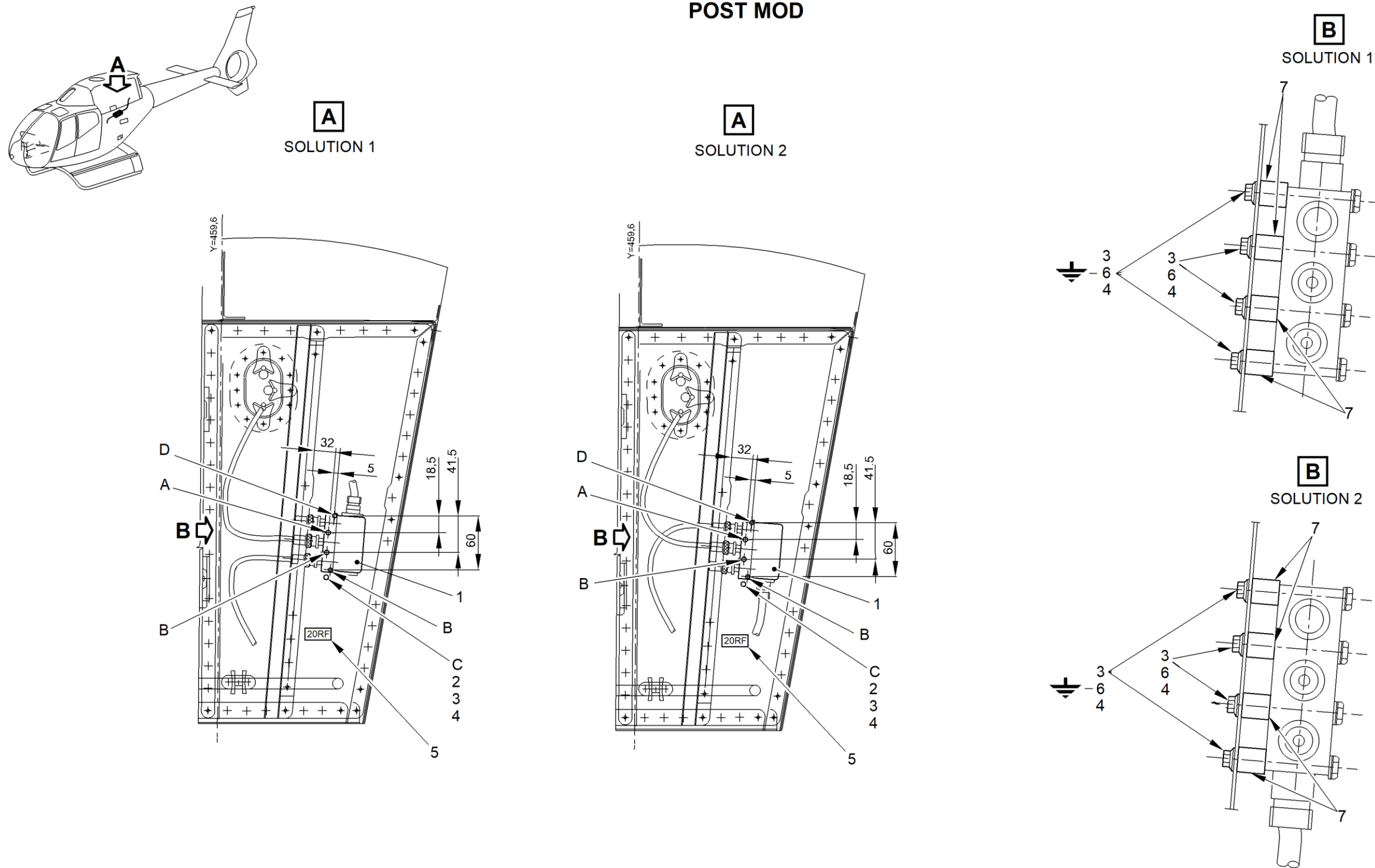


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Figure 2

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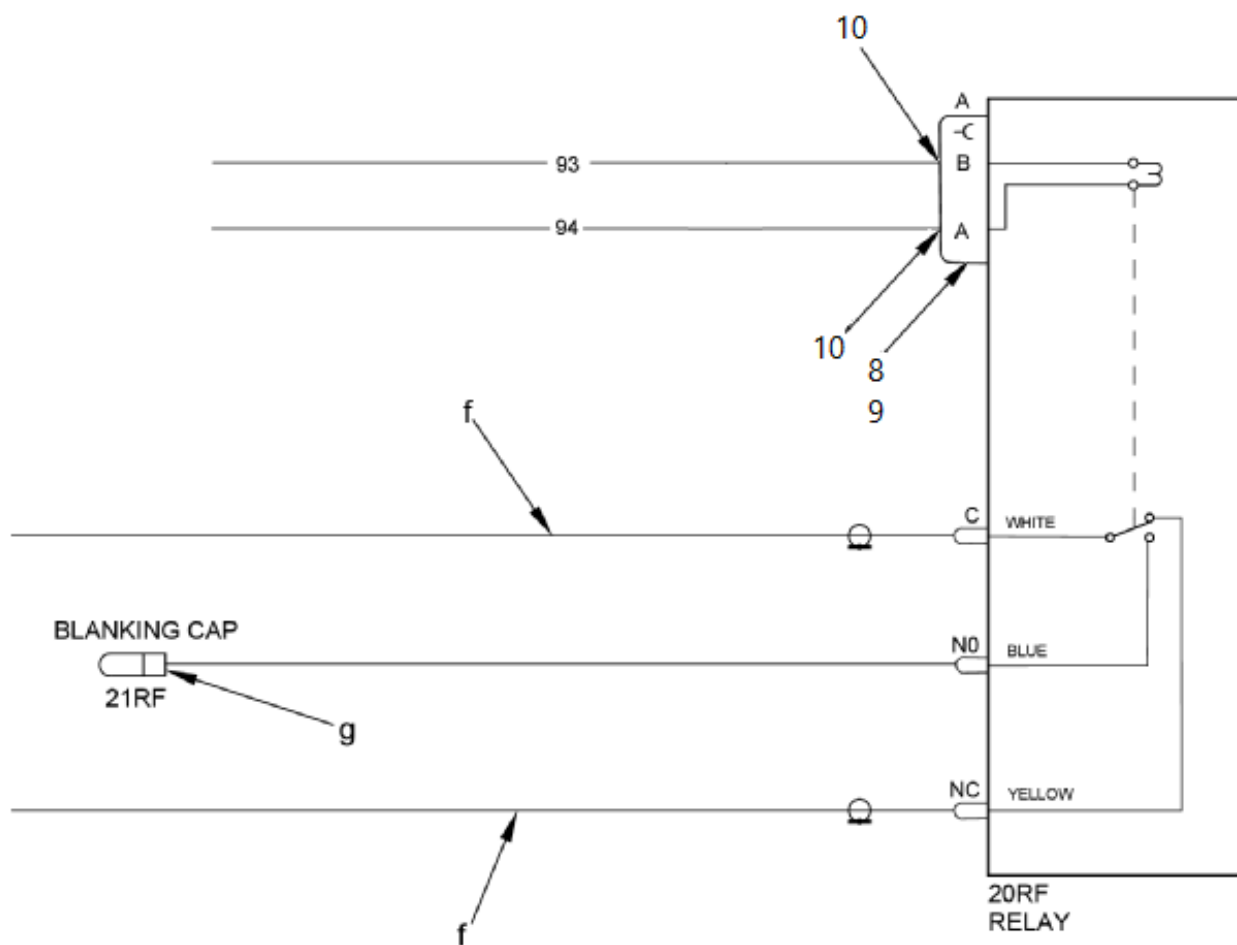


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Figure 3

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Figure 4