
SERVICE BULLETIN

Modification**Recurring action****One-off action**

No.**292 72 2073**

ARRIEL 2 C - C-PM - C1

Subject: Module M01 (accessory gearbox). Front support, welding of the rear flange is moved forward.**Application of modification TU 73.**

Date on which this SB becomes effective and must systematically be complied with, according to the conditions of application.

This is the date all resources (parts, tools, documentation, etc.) required for this procedure are available.

Applicable from MAY 2002

If resources (parts, tools, documentation, etc.) are available any earlier, the SB may be applied prior to the effectivity date.

Version: B**Reason for update:****Merger of SB No. 292 72 2073 and SB No. 292 72 2073M.**

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1. Planning information

A. Effectivity

The manufacturer recommends this modification be incorporated as defined in this Service Bulletin.

Validity	Code
ARRIEL 2 C - C-PM - C1	3

Conditions of application for engines in service

(1) Application at the operator's site or at a Safran Helicopter Engines-approved Maintenance Center

Application upon customer request or following depletion of the existing stock.

(2) Application at a Safran Helicopter Engines-approved Repair Center

Application following depletion of the existing stock.

B. Purpose

Improve fatigue strength of the front support.

C. Description (Appendix 1)

Welding of the rear flange is moved forward to prevent a small radius from being created as this would constitute a potential crack initiation point.

D. Approval

- ARRIEL 2 C - C1 variants:
The technical content of this document is approved under the authority of the DOA (Design Organisation Approval) ref. EASA.21J.070.
- ARRIEL 2 C-PM variant:
The technical information given in this document is approved by Safran Helicopter Engines.

E. Manpower

(1) At the operator's site or at a Safran Helicopter Engines-approved Maintenance Center

(a) **Personnel:** 1 mechanic.

(b) **Time required:** Approximately 2 man-hours per engine.

(2) At a Safran Helicopter Engines-approved Repair Center

(a) **Personnel** of approved Repair Center.

(b) **Time** defined by Repair Center for the level of this intervention.

F. Material

Refer to paragraph 3.

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G. Tooling

(1) At the operator's site or at a Safran Helicopter Engines-approved Maintenance Center

Standard mechanic's tooling.

(2) At a Safran Helicopter Engines-approved Repair Center

Refer to the ARRIEL 2 Overhaul Manual.

H. Weight and balance

Not applicable.

I. References

(1) ARRIEL 2 C Maintenance Manual Ref. X 292 M1 450 2.

(2) ARRIEL 2 C-PM Maintenance Manual Ref. X 292 P1 450 2.

(3) ARRIEL 2 C1 Maintenance Manual Ref. X 292 N4 450 2.

(4) ARRIEL 2 Overhaul Manual Ref. X 292 R1 500 2.

J. Other publications affected

(1) ARRIEL 2 C Spare Parts Catalogue Ref. X 292 M1 700 2.

(2) ARRIEL 2 C-PM Spare Parts Catalogue Ref. X 292 P1 700 2.

(3) ARRIEL 2 C1 Spare Parts Catalogue Ref. X 292 N4 700 2.

(4) ARRIUS 2 C Illustrated Parts Catalogue Ref. X 292 M1 600 2.

(5) ARRIUS 2 C-PM Illustrated Parts Catalogue..... Ref. X 292 P1 600 2.

(6) ARRIUS 2 C1 Illustrated Parts Catalogue Ref. X 292 N4 600 2.

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2. Instructions to be incorporated

A. Implementation

Incorporation of this modification requires the engine to be removed from the helicopter. This modification is incorporated through the replacement of PRE TU 73 front support with POST TU 73 front support.

B. Operating instructions

(1) **At the operator's site or at a Safran Helicopter Engines-approved Maintenance Center**

(a) Remove PRE TU 73 front support: refer to the applicable ARRIEL 2 Maintenance Manual, task 72-61-00-900-810.

(b) Install POST TU 73 front support: refer to the applicable ARRIEL 2 Maintenance Manual, task 72-61-00-900-810.

(2) **At a Safran Helicopter Engines-approved Repair Center**

Refer to the ARRIEL 2 Overhaul Manual.

C. Reconditioning and checks

(1) **At the operator's site or at a Safran Helicopter Engines-approved Maintenance Center**

Do a ground run check: refer to the applicable ARRIEL 2 Maintenance Manual, task 71-02-13-280-801.

(2) **At a Safran Helicopter Engines-approved Repair Center**

Refer to the ARRIEL 2 Overhaul Manual.

D. Identification

(1) Record the application of this SB in the module M01 log card.

Note: Update the availability status, if necessary.

(2) Tell Safran Helicopter Engines that this SB has been applied by sending back the fully-completed compliance certificate (Appendix 2).

E. Routine maintenance

Not applicable.

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3. Material information

A. Basic information

The parts required for the incorporation of this Service Bulletin are for one engine.

B. List of parts

(1) At the operator's site or at a Safran Helicopter Engines-approved Maintenance Center

New Part Number	Key	Qty	Description *	Old Part Number	Key	Qty
0 292 11 730 0	A	1	Front support	0 292 11 725 0	C	1

* Prices and delivery times are available upon request.

Key

A - Part incorporated by the modification.

C - Part deleted by the modification.

(2) At a Safran Helicopter Engines-approved Repair Center

New Part Number	Key	Qty	Description	Old Part Number	Key	Qty
0 292 11 730 0	A	1	Front support	0 292 11 725 0	C	1

Key

A - Part incorporated by the modification.

C - Part deleted by the modification.

C. Supply conditions

Order supplies as needed from:

Your local Safran Helicopter Engines Support Center

or

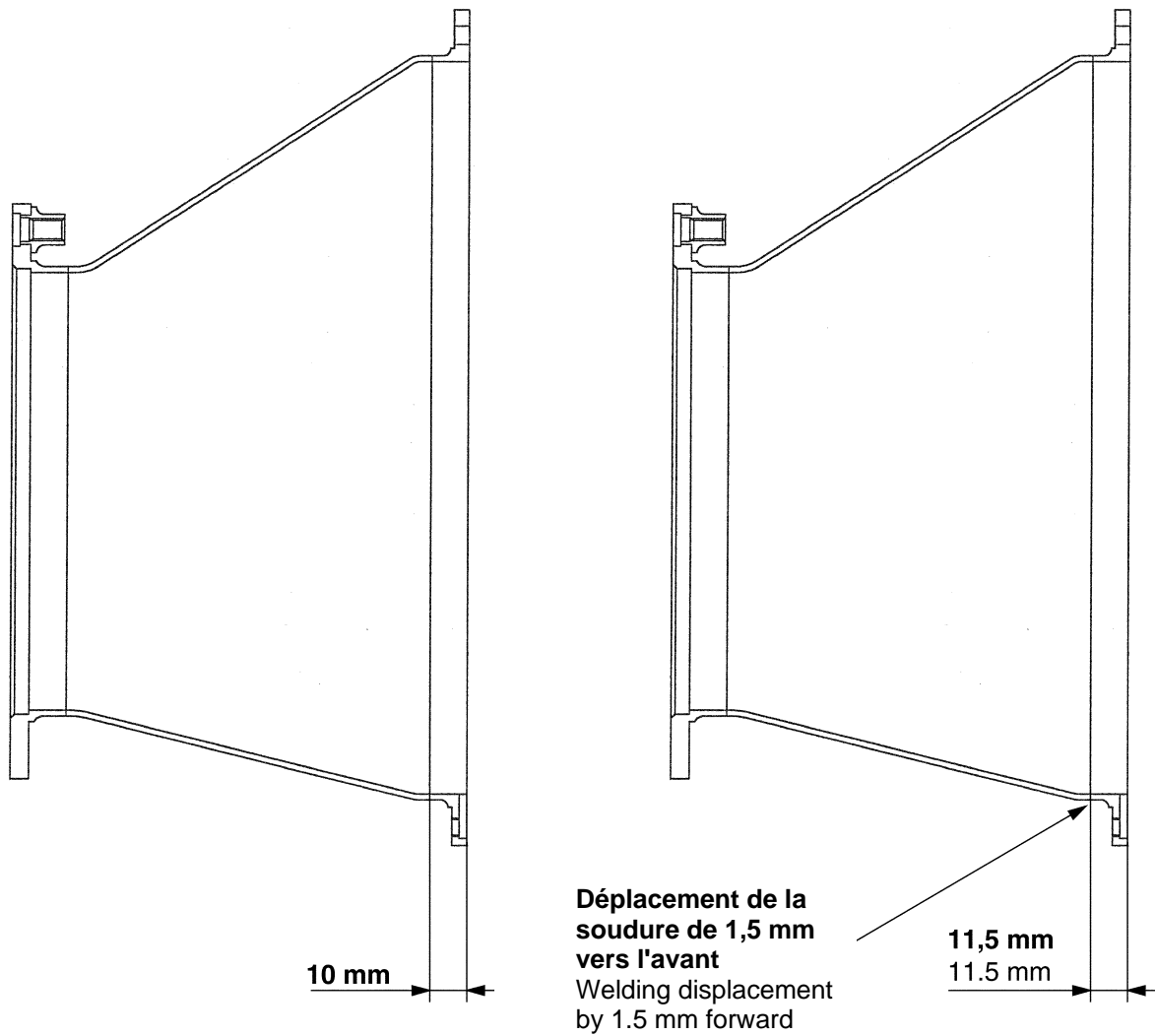
SAFRAN HELICOPTER ENGINES

Direction Support et Service

Département Commercial

40220 TARNOS - France

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Support avant AVANT TU 73
 PRE TU 73 front support

Support avant APRES TU 73
 POST TU 73 front support

ANNEXE 1 / APPENDIX 1

SERVICE BULLETIN

Objet : Attestation d'application du SB n° 292 72 2073 (TU 73).

Subject: SB No. 292 72 2073 compliance certificate (TU 73).

Important / Important notice:

Après application des instructions spécifiées dans ce SB, veuillez compléter la présente attestation et la retourner par courrier ou courriel à :

After application of the instructions specified in this SB please mail or email the fully-completed certificate to:

**SAFRAN HELICOPTER ENGINES,
Equipe Administration Base installée / Fleet Data Administrator Team, BP 25
40220 TARNOS - France**

Email : data-fleet.fr.she@safrangroup.com

Information concernant le matériel / Equipment information						
Utilisateur Customer				N° Appareil Aircraft S/N		
	N/S - S/N	Réf. - P/N	TSN*	TSO*	CSN*	CSO*
Moteur Engine						
Module M01 modifié Modified module M01						

* **TSN = Time Since New** (Heures depuis neuf)
CSN = Cycles Since New (Cycles depuis neuf)

TSO = Time Since Overhaul (Heures depuis RG)
CSO = Cycles Since Overhaul (Cycles depuis RG)

Opération faite par / Work done by:

Je certifie que le module identifié ci-dessus a été modifié selon les directives de ce SB.

I certify that the above-mentioned module has been modified according to the directives given in this SB.

Date [JJ/MMMM (en lettre)/AAAA ou/or DD/MMMM (letter)/YYYY]	Nom / Name	Fonction / Job title

Signature :

ANNEXE 2 / APPENDIX 2