

TOOL CHANGE BULLETIN

N° E99_001_23_TM0357G004

Engine(s) Variant(s) (Configuration)	ARRIEL 1 & 2 all variants
Tool applicability	Mandatory
Maintenance level	Maintenance level 1
Provisioning Mode	Tool to be modified
Original issue or version n°	Version N°2
Date of issue: January 10, 2023	Lead time (months): 1
Technical publication date	June 30, 2023

Old P/N	New P/N	Alternative P/N	Designation	Periodicity Check*	Supply Code
TM0357G004 (D)	TM0357G004 (E)	N/A	Magnetic seal removal / installation tool	N/A	N/A

* For the handling tools, a specific periodicity check may be required by the local authorities.

1. MAIN FUNCTION

The tool P/N TM0357G004 is used to install and remove the output shaft magnetic seal.

2. JUSTIFICATION

As part of the improvement plan to reduce magnetic seal oil leakage, it has been highlighted the importance to prevent any contact between the magnetic seal and a magnetic material.

During a process review with the Supplier, MAGSEAL, it has been identified that the pressure tooling tightening screw is made from a magnetic material, which is prompt to come in contact against the magnetic seal surfaces.

The modification therefore introduces a new tightening screw (Item 12 replaces the item 7) made with a non-magnetic material (Bronze, Grade UE9P or equivalent).

This will help to prevent metal-to-metal contact with the magnetic seal functional faces.

3. ASSOCIATED TASK(S)

ARRIEL 1A1 / 1B Maintenance Manuals - Task 72-61-20-900-801-A02 "Transmission shaft magnetic seal - Removal / installation"

ARRIEL 1 All variants Maintenance Manuals - Task 72-61-20-900-801-B02 "Transmission shaft magnetic seal - Removal / installation"

ARRIEL 1B Maintenance Manual - Task 72-61-20-900-801-C02 "Transmission shaft magnetic seal - Removal / installation"

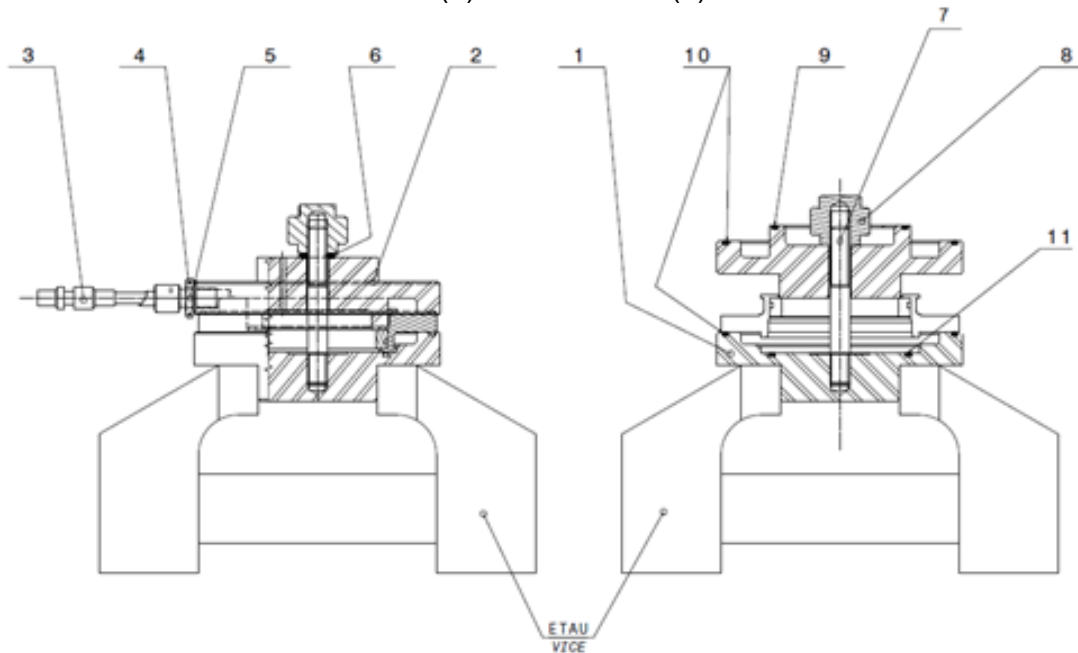
ARRIEL 2 All variants (except ARRIEL 2E) Maintenance Manuals - Task 72-61-20-900-801-B02 "Transmission shaft magnetic seal - Removal / installation"

ARRIEL 2E Maintenance Manual - Task 72-61-20-900-801-B03 "Transmission shaft magnetic seal - Removal / installation"

4. DESCRIPTION OF THE TOOL MODIFICATION TO BE DONE BY THE USER OR BY SAFRANHE TOOLING

4.1. REMOVAL OF THE STUD (REFER TO PICTURE 1)

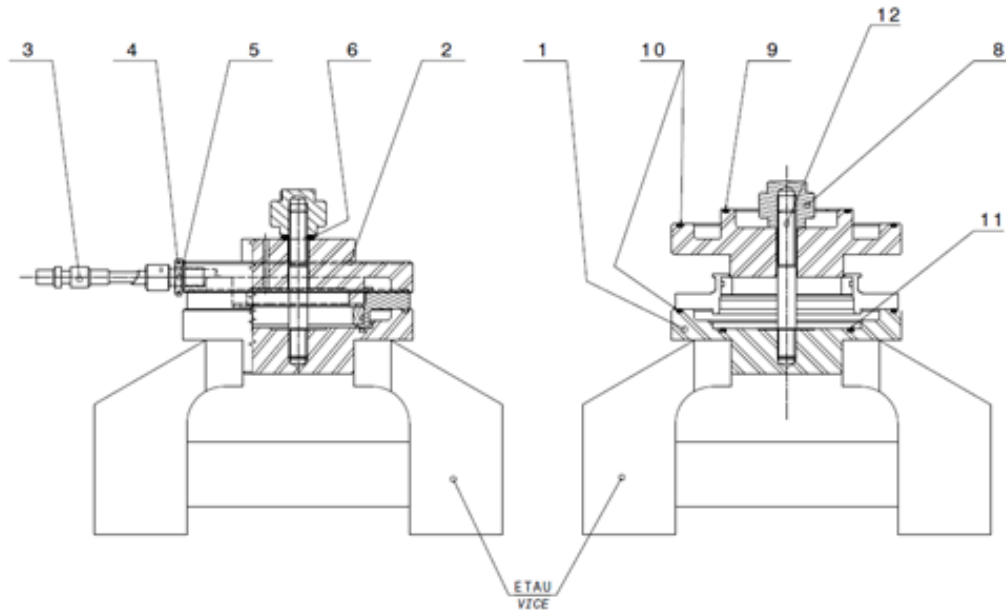
- Loosen the knurled nut (8)
- Remove the washer (6) from the stud (7),
- Remove the body assembly (2, 3, 4 & 5) from the base (1) fitted with the stud (7),
- Loosen and discard the stud (7) from the base (1).



Picture 1

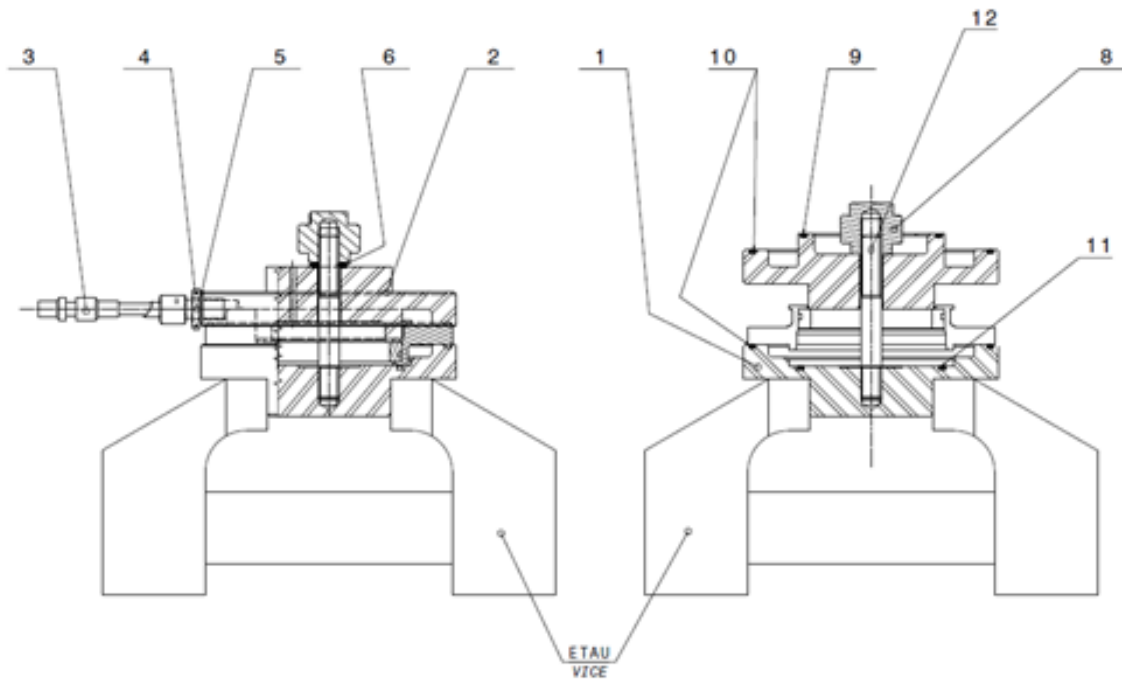
4.2. INSTALLATION OF THE STUD (REFER TO PICTURE 2)

- Tight the stud (12) in the base (1) until its stops,
- Install the body assembly (2, 3, 4 & 5) on the base (1) fitted with the stud (12),
- Install the washer (6) on the stud (12)
- Tight the knurled nut (8).

**Picture 2****5. BILL OF MATERIAL**

Item	Quantity	Description	Supplier	Part Number
1	1	Base	Safran H.E.	TM0357P015
2	1	Flange	Safran H.E.	TM0357P016
3	1	End piece	Safran H.E.	8815099331
4	1	Double nipple M10x100	Safran H.E.	9770060034
5	1	Aluminium seal Ø10	Safran H.E.	9752010044
6	1	Washer M10	STD	-----
8	1	Knurled nut M10	Safran H.E.	TM0357P012
9	1	O'ring	LJF	143203
10	2	O'ring	LJF	157200
11	1	O'ring	Safran H.E.	9682506601
12	1	Stud	Safran H.E.	TM0357P017



TOOL ILLUSTRATION



DIMENSION AND WEIGHT

HEIGHT: 8 CMS	LENGTH: 12 CMS
WIDTH: 12 CMS	WEIGHT: 1.5 KG

APPENDIX 1 – General Service Letter n° 3062/21

 	
<h3>REQUEST FOR INFORMATION FOR THE REPAIR OF TOOLING AND/OR SPARE PARTS</h3>	
<p>You</p> <ul style="list-style-type: none"> • Contact: • Company: • Address: • Telephone: • Email: 	
<p>Your tooling</p> <ul style="list-style-type: none"> • Your tooling P/N (if any): • Description of this tooling: • Your use: • Used variant: • Serial number (if any): 	
<p>Your requirement</p> <ul style="list-style-type: none"> • If damaged, description of the damaged part: • If missing, description of the missing part: • Damaged or missing part P/N: • Remarks / photo: 	
<p>Application issued by:</p> <ul style="list-style-type: none"> • Name: • Company: • Date: 	<p>Signature:</p> <div style="border: 1px solid black; border-radius: 15px; width: 200px; height: 80px; margin: 0 auto;"></div>