

Temporary Maintenance Instruction TMI 189-058

Transporting by air - Preparation for vehicle transportation and Set on condition

SN 93002

The technical content of this document is approved under the authority of DOA nr. EASA.21J.005.

The present TMI will be evaluated for its introduction in the standard set of Technical Publication.

If no further notice is received, the present document expires on: May 16th 2024.

2023-05-16

Introduction

The purpose of this Temporary Maintenance Instruction is to give you the evidence of the updated procedures for the transportation by air of the helicopter.

The procedures contained in this TMI are:

ANNEX	DATA MODULE CODE	DATA MODULE TITLE
Annex 1	89-A-07-51-00-00B-811A-A	Transporting by air - Preparation for vehicle transportation
Annex 2	89-A-07-51-00-00B-871A-A	Transporting by air - Set on condition

Transporting by air - Preparation for vehicle transportation and Set on condition

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Table 1 References

Data Module	Title
89-A-00-20-00-00A-120A-A	Helicopter safety - Pre-operation (make helicopter safe for maintenance)
89-A-07-50-00-00A-810A-A	Transportation - Preservation procedure
89-A-07-50-00-00A-810C-A	Transportation - Preservation procedure
89-A-10-20-00-00A-100A-A	Mooring - Operation
89-A-10-21-01-00A-720A-A	Mooring rings - Install procedure
89-A-18-64-01-00A-520A-A	Vibration absorber mass group - Remove procedure
89-A-18-64-02-00A-520A-A	Cap - Remove procedure
89-A-18-64-03-00A-520A-A	Cap plug - Remove procedure
89-A-18-64-04-00A-520A-A	Rod assembly and adapter group - Remove procedure
89-A-25-61-01-00A-99AA-A	ELT unit - Deactivate/activate

Table 1 References

Data Module	Title
89-A-25-62-06-00A-520A-A	Beacon - Remove procedure
89-A-25-63-01-00A-520A-A	Left forward upper fairing - Remove procedure
89-A-25-63-05-00A-520A-A	Right forward upper fairing - Remove procedure
89-A-52-64-01-00A-520A-A	Left/right footstep forward fairing - Remove procedure
89-A-55-11-01-00A-520A-A	Tail plane - Remove procedure
89-A-62-11-01-00A-520A-A	Main rotor blade - Remove procedure
89-A-64-11-01-00A-520A-A	Tail rotor blade assembly - Remove procedure

Table 2 Access points

Access Panel / Door Id	Data Module
168A	89-A-06-41-00-00A-010A-A

Table 3 Zones

Zone ID	Data Module
160, 210, 220	89-A-06-30-00-00A-010A-A

Preliminary Requirements

Required Conditions

Table 4 Required Conditions

Conditions	Data Module/Technical Publication
The helicopter must be safe for maintenance.	89-A-00-20-00-00A-120A-A

Support Equipment

Table 5 Support Equipment

Nomenclature	Identification No.	Qty
Wheel chocks	HD-01-00	4

Supplies

Table 6 Supplies

Nomenclature
No Supplies

Spares

Table 7 Spares

Nomenclature
No Spares

Safety Conditions

No Safety Condition

Procedure

- 1 Do the preservation procedure for the helicopter transportation:
 - For a storage period up to 45 days refer to [89-A-07-50-00-00A-810C-A](#)
 - For a storage period from 46 to 180 days, refer to [89-A-07-50-00-00A-810A-A](#).
- 2 [K001] Deactivate the Emergency Locator Transmitter (ELT). Refer to [89-A-25-61-01-00A-99AA-A](#).

Note

After the removal, put the attaching parts of a component in a plastic bag. Keep the plastic bag with the component.

- 3 Remove the components that follow from the helicopter:
 - The five main-rotor blades. Refer to [89-A-62-11-01-00A-520A-A](#)
 - One tail rotor blade. Refer to [89-A-64-11-01-00A-520A-A](#)
 - [K002] The beacon of the deployable ADELTA system. Refer to [89-A-25-62-06-00A-520A-A](#)
 - The tail plane. Refer to [89-A-55-11-01-00A-520A-A](#)
 - [K104] The vibration absorber mass group. Refer to [89-A-18-64-01-00A-520A-A](#)
 - [K104] The cap. Refer to [89-A-18-64-02-00A-520A-A](#)
 - [K104] The cap plug. Refer to [89-A-18-64-03-00A-520A-A](#)
 - [K104] The rod assembly and adapter group. Refer to [89-A-18-64-04-00A-520A-A](#)
 - [K125] The left and right footstep forward fairings. Refer to [89-A-52-64-01-00A-520A-A](#).
- 4 Put the components you removed from the helicopter into applicable containers.

Note

Do not do the step that follows if the life raft containers are not installed on the helicopter.

- 5 [K005] If the life raft containers are installed on the helicopter, do the steps that follow:
- 5.1 Get access to the left sponson.
- 5.2 Install the safety pin that locks the life-raft inflation system. Refer to the applicable steps of the data module [89-A-25-63-01-00A-520A-A](#).
- 5.3 Get access to the right sponson.
- 5.4 Install the safety pin that locks the life-raft inflation system. Refer to the applicable steps of the data module [89-A-25-63-05-00A-520A-A](#).
- 6 Install the mooring rings. Refer to [89-A-10-21-01-00A-720A-A](#).
- 7 Get access to the cockpit. Make sure that there are no loose items.
- 8 Get access to the cabin. Make sure that there are no loose items.
- 9 Open the access door 168A. Refer to [89-A-06-41-00-00A-010A-A](#).
- 10 Get access to the baggage compartment. Make sure that there are no loose items.
- 11 Close the access door 168A. Refer to [89-A-06-41-00-00A-010A-A](#).
- 12 Make sure that all access doors and panels are closed/installed. Refer to [89-A-06-41-00-00A-010A-A](#).
- 13 Put the [Wheel chocks \(HD-01-00\)](#) (or equivalent) in position in front of and behind the main landing-gear wheels.
- 14 Secure all the mooring rings of the helicopter to the tiedown rings on the cargo compartment floor of the aircraft. Refer to the applicable steps of the mooring procedure [89-A-10-20-00-00A-100A-A](#).

CAUTION

Do not use chains to moor the helicopter. Chains can cause damage to the airframe.

- 15 Put the containers with the components you removed from the helicopter into the cargo compartment of the aircraft. Secure the containers to the tiedown rings on the cargo compartment floor of the aircraft.

Requirements After Job Completion

No Requirements After Job Completion

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Data Module	Title
89-A-07-50-00-00A-820A-A	Transportation - Procedure to remove preservation material
89-A-07-50-00-00A-820C-A	Transportation - Procedure to remove preservation material
89-A-09-11-00-00A-100A-A	Helicopter - Tow - Operation
89-A-10-21-01-00A-520A-A	Mooring rings - Remove procedure
89-A-18-64-01-00A-720A-A	Vibration absorber mass group - Install procedure
89-A-18-64-02-00A-720A-A	Cap - Install procedure
89-A-18-64-03-00A-720A-A	Cap plug - Install procedure
89-A-18-64-04-00A-720A-A	Rod assembly and adapter group - Install procedure
89-A-25-61-01-00A-99AA-A	ELT unit - Deactivate/activate
89-A-25-62-06-00A-720A-A	Beacon - Install procedure

Table 1 References

Data Module	Title
89-A-25-63-01-00A-720A-A	Left forward upper fairing - Install procedure
89-A-25-63-03-00A-720A-A	Left life raft container - Install procedure
89-A-25-63-05-00A-720A-A	Right forward upper fairing - Install procedure
89-A-25-63-07-00A-720A-A	Right life raft container - Install procedure
89-A-52-64-01-00A-720A-A	Left/right footstep forward fairing - Install procedure
89-A-55-11-01-00A-720A-A	Tail plane - Install procedure
89-A-62-11-01-00A-720A-A	Main rotor blade - Install procedure
89-A-62-21-01-00A-720A-A	Beanie - Install procedure
89-A-64-11-01-00A-720A-A	Tail rotor blade assembly - Install procedure

Table 2 Access points

Access Panel / Door Id	Data Module
None	

Table 3 Zones

Zone ID	Data Module
None	

Preliminary Requirements

Required Conditions

Table 4 Required Conditions

Conditions
No Required Condition

Support Equipment

Table 5 Support Equipment

Nomenclature
No Support Equipment

Supplies

Table 6 Supplies

Nomenclature
No Supplies

Spares

Table 7 Spares

Nomenclature
No Spares

Safety Conditions

No Safety Condition

Procedure

- 1 Remove the containers with the components of the helicopters from the cargo compartment of the aircraft.
- 2 Remove the wheel chocks from the main landing-gear wheels.
- 3 Remove the belts used to secure the helicopter to the tiedown rings of the cargo compartment floor.
- 4 Tow the helicopter from the cargo compartment of the aircraft to the maintenance area. Refer to [89-A-09-11-00-00A-100A-A](#).
- 5 Remove the protective covers from the helicopter.
- 6 Visually examine the external of the helicopter for signs of damage caused by transportation. If you find damage, tell the Manufacturer.
- 7 Remove the components of the helicopter from their containers.
- 8 Install the components that follow on the helicopter:
 - [K125] The left and right footstep forward fairings. Refer to [89-A-52-64-01-00A-720A-A](#)
 - [K104] The rod assembly and adapter group. Refer to [89-A-18-64-04-00A-720A-A](#)

- [K104] The cap plug. Refer to [89-A-18-64-03-00A-720A-A](#)
 - [K104] The cap. Refer to [89-A-18-64-02-00A-720A-A](#)
 - [K104] The vibration absorber mass group. Refer to [89-A-18-64-01-00A-720A-A](#)
 - The tail plane. Refer to [89-A-55-11-01-00A-720A-A](#)
 - The tail rotor blade. Refer to [89-A-64-11-01-00A-720A-A](#)
 - The five main-rotor blades. Refer to [89-A-62-11-01-00A-720A-A](#)
 - [K002] The beacon of the deployable ADELT system. Refer to [89-A-25-62-06-00A-720A-A](#)
 - The beanie (if not installed). Refer to [89-A-62-21-01-00A-720A-A](#).
- 9 If necessary, remove the mooring rings. Refer to [89-A-10-21-01-00A-520A-A](#).
- 10 [K005] If the life raft containers are installed on the helicopter, do the steps that follow:
- 10.1 Get access to the left sponson.
- 10.2 Remove the safety pin that locks the life-raft inflation system. Refer to the applicable steps of the data module [89-A-25-63-01-00A-720A-A](#).
- 10.3 Get access to the right sponson.
- 10.4 Remove the safety pin that locks the life-raft inflation system. Refer to the applicable steps of the data module [89-A-25-63-05-00A-720A-A](#).
- 11 [K005] If the life raft containers are not installed on the helicopter, install them. Refer to [89-A-25-63-03-00A-720A-A](#) and to [89-A-25-63-07-00A-720A-A](#).
- 12 [K001] Activate the Emergency Locator Transmitter (ELT). Refer to [89-A-25-61-01-00A-99AA-A](#).
- 13 Do the de preservation procedure after the helicopter transportation:
- When the preservation procedure for a storage period up to 45 days is applied, refer to [89-A-07-50-00-00A-820C-A](#)
 - When the preservation procedure for a storage period from 46 to 180 days is applied, refer to [89-A-07-50-00-00A-820A-A](#).

Requirements After Job Completion

No Requirements After Job Completion