

## **Temporary Maintenance Instruction TMI 139-570**

### **Bird strike protection - Install/Remove procedure.**

#### **All AW139 Helicopters**

*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: August 1<sup>st</sup> 2024.*

**2023-08-01**

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## Introduction

This TMI provides the instructions and requirements to perform the Bird strike protection - Install/Remove procedure.

Following procedures contained in this TMI updates and supersedes the contents of the relative Data Modules inside IETP:

<b>ANNEX</b>	<b>DATA MODULE CODE</b>	<b>DATA MODULE TITLE</b>
Annex 1	39-B-25-69-01-00A-520A-A	Bird strike protection - Remove procedure
Annex 2	39-B-25-69-01-00A-720A-A	Bird strike protection - Install procedure

The content of this TMI will be endorsed within the applicable Maintenance Manual at the earliest opportunity.

**Bird strike protection - Remove procedure**

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**References**

*Table 1 References*

Data Module	Title
39-A-00-20-00-00A-120A-A	Helicopter safety - Pre-operation (make helicopter safe for maintenance)
39-B-25-69-01-00A-720A-A (See Annex 2 of this TMI)	Bird strike protection - Install procedure

*Table 2 Access points*

Access Panel / Door Id	Data Module
No Access Point	

*Table 3 Zones*

Access Panel / Door Id	Data Module
No Zones	

## ***Preliminary Requirements***

### **Required Conditions**

*Table 4 Required Conditions*

Conditions	Data Module/Technical Publication
The helicopter must be safe for maintenance	<a href="#">39-A-00-20-00-00A-120A-A</a>
The access door 213AL must be opened	<a href="#">39-A-06-41-00-00A-010A-A</a>

### **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

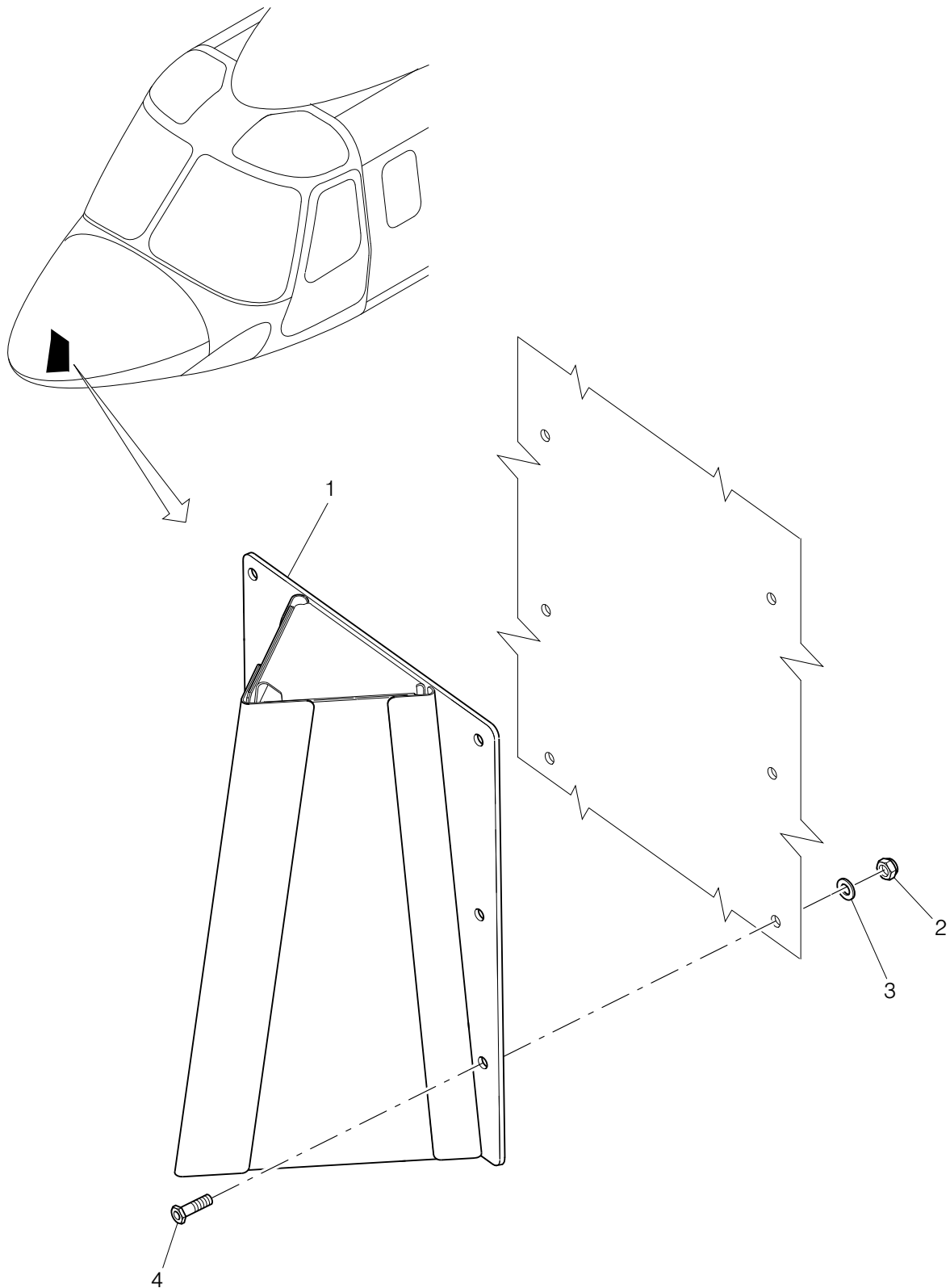
No Safety Condition

### ***Procedure***

- 1 Get access to the bird strike protection (1, [Figure 1](#)) in front of the forward bulkhead in the nose avionic bay.
- 2 Hold the bird strike protection (1) with your hands.
- 3 Remove these parts that attach the bird strike protection (1) to the forward bulkhead:
  - The six nuts (2)
  - The six washers (3)
  - The six bolts (4).
- 4 Remove the bird strike protection (1) from the helicopter.

### ***Requirements After Job Completion***

- 1 Install the bird strike protection. Refer to [39-B-25-69-01-00A-720A-A](#) (See Annex 2 of this TMI)



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Figure 1 Bird strike protection - Remove procedure

End of Data Module

**Bird strike protection - Install procedure**

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**References**

*Table 1 References*

Data Module	Title
39-A-00-20-00-00A-120A-A	Helicopter safety - Pre-operation (make helicopter safe for maintenance)
39-A-20-00-00-00A-711A-A	Threaded fasteners - Tighten procedure

*Table 2 Access points*

Access Panel / Door Id	Data Module
No Access Point	

*Table 3 Zones*

Access Panel / Door Id	Data Module
No Zones	

## **Preliminary Requirements**

### **Required Conditions**

*Table 4 Required Conditions*

Conditions	Data Module/Technical Publication
The helicopter must be safe for maintenance	<a href="#">39-A-00-20-00-00A-120A-A</a>

### **Support Equipment**

*Table 5 Support Equipment*

Nomenclature
No Support Equipment

### **Supplies**

*Table 6 Supplies*

Nomenclature	Identification No.	Qty
Lint-free cloth	<a href="#">C011</a>	AR
Cleaning solvent	<a href="#">C010</a>	AR

### **Spares**

*Table 7 Spares*

Nomenclature	Identification No.	Qty
Bird strike protection	<a href="#">53-39-00-01 -001</a>	AR



## Safety Conditions

### **WARNING**

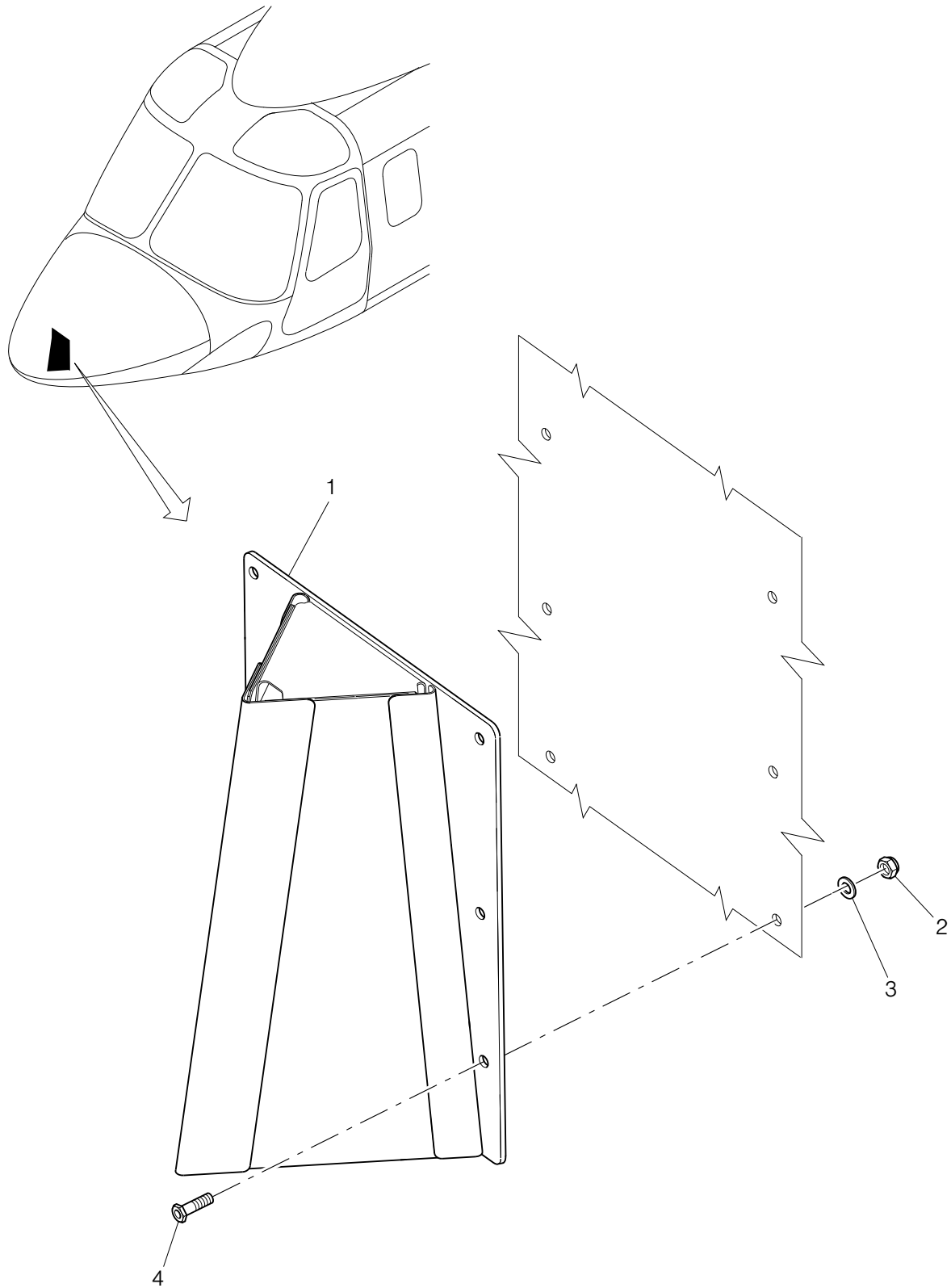
The **Cleaning solvent (C010)** is a dangerous material. Before you do this procedure, make sure that you know all the safety precautions and first aid instructions for the cleaning solvent.

### ***Procedure***

- 1 Clean the mating surface between the bird strike protection (1, [Figure 1](#)) and the forward bulkhead with the [Lint-free cloth \(C011\)](#) and the [Cleaning solvent \(C010\)](#) .
- 2 Dry the parts you cleaned with a clean [Lint-free cloth \(C011\)](#) .
- 3 Put the bird strike protection (1) in its position on the forward bulkhead.
- 4 Hold the bird strike protection (1) in that position with your hands.
- 5 Make sure that the attach holes in the bird strike protection (1) and those on the forward bulkhead are aligned.
- 6 Attach the bird strike protection (1) to the forward bulkhead with these parts:
  - The six bolts (4)
  - The six washers (3)
  - The six nuts (2).
- 7 Torque the six nuts (2) to the standard torque value. Refer to [39-A-20-00-00-00A-711A-A](#).

### ***Requirements After Job Completion***

- 1 Remove all the tools and the other items from the work area. Make sure that the work area is clean.
- 2 Close the access door 213AL. Refer to [39-A-06-41-00-00A-010A-A](#)



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Figure 1 Bird strike protection - Install procedure

End of Data Module