

# **Temporary Maintenance Instruction TMI 139-561**

## **CPI Beacon Gasket Replacement**

### **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: October 20<sup>th</sup> 2023.*

**2022-10-20**

**Introduction**

This TMI provides the instructions and requirements to perform the replacement of CPI Beacon Gasket.

The procedure contained in this TMI is not included in any existing DM

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

## Foam gasket (beacon) - Replacement (remove and install a new item)

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## References

*Table 1 References*

| Data Module              | Title  |
|--------------------------|--|
| 39-A-00-50-00-00A-010A-D | Local supply consumables, materials and expendables - General data |
| 39-A-25-64-06-00A-520A-K | Beacon - Remove procedure  |

*Table 1 References*

| Data Module              | Title                      |
|--------------------------|----------------------------|
| 39-A-25-64-06-00A-720A-K | Beacon - 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        |
|---------------------------------------|--|
| Remove the beacon from the helicopter | <a href="#">39-A-25-64-06-00A-520A-K</a> |

### **Support Equipment**

*Table 5 Support Equipment*

| Nomenclature                    | Identification No.       | Qty |
|---------------------------------|--------------------------|-----|
| <a href="#">Plastic scraper</a> | <a href="#">ZZ-00-00</a> | 1   |

### **Supplies**

*Table 6 Supplies*

| Nomenclature          | Identification No.           | Qty |
|-----------------------|------------------------------|-----|
| Denaturalized alcohol | <a href="#">C205</a>         | AR  |
| Paper towel           | <a href="#">Local supply</a> | AR  |

## Spares

Table 7 Spares

| Nomenclature | Identification No. | Qty |
|--------------|--------------------|-----|
| Gasket       | 25-64-00-01 -019V  | 1   |

## Safety Conditions

### WARNINGS

- The **Denaturalized alcohol (C205)** is a dangerous material. Before you do this procedure, make sure that you know all the safety precaution and first aid instructions for this materials.
- Always wear protective rubber gloves during clean procedure. Avoid contact with the solvent.

### *Procedure*

#### **CAUTION**

**Be careful to prevent scratches to the painted surface of the beacon or other damages during the gasket removal.**

- 1 Use an applicable **Plastic scraper (ZZ-00-00)** to remove as much as possible the gasket (2, [Figure 1](#)) from the beacon (1). Start the removal procedure across the beacon (1) from one gasket (2) end to the opposite end. Refer to [Figure 1](#).

#### **Note**

The subsequent procedure will take some time and required more than one application of the denaturalized alcohol to gradually remove the remaining rubber-based adhesive from the beacon.

- 2 Apply the **Denaturalized alcohol (C205)** on the beacon (1) surface and use the plastic scraper to remove the gasket (2) residues from the beacon (1). Start the removal procedure from one side to the opposite. Refer to [Figure 2](#).

#### **Note**

During the procedure that follows change the paper towel frequently to keep the adhesive moisted with the denaturalized alcohol and make its removal easier.

- 3 Use the **Paper towel (Local supply)** moisted with the denaturalized alcohol to remove the adhesive from the surface of the beacon (1, [Figure 1](#)) fully. Refer to [Figure 3](#).
- 4 Repeat [step 3](#) again and again until you get the beacon (1, [Figure 1](#)) surface smooth without adhesive residues.
- 5 Carefully start to remove the back protective plie of the new **Gasket (25-64-00-01 -019V)** (2, [Figure 1](#)) from one of its ends. Refer to [Figure 4](#).

**CAUTION**

**Be careful during the step that follows, the gasket adhesive give an instant bond on the touched surface. Make sure that you carefully obey the given instructions to prevent incorrect application of the gasket.**

- 6 Carefully install the first half gasket (2, [Figure 1](#)) on the surface of the beacon (1). Use the middle section of the beacon (1) as a guide template. Make sure that the gasket (2) is straight.
- 7 Push gradually the gasket (2) against the surface of the beacon (1) with your fingers.
- 8 Do [step 5](#) thru [step 7](#) to install the second half gasket (2) on the opposite side of the beacon (1) surface.

***Requirements After Job Completion***

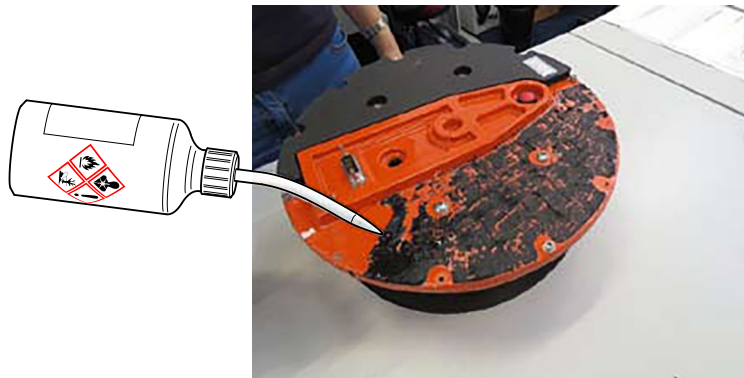
- 1 Install the beacon. Refer to [39-A-25-64-06-00A-720A-K](#)



GASKET REMOVAL

ICN-39-A-256406-G-00001-38772-A-001-01

*Figure 1 Gasket removal*



ADHESIVE REMOVAL



ADHESIVE REMOVAL

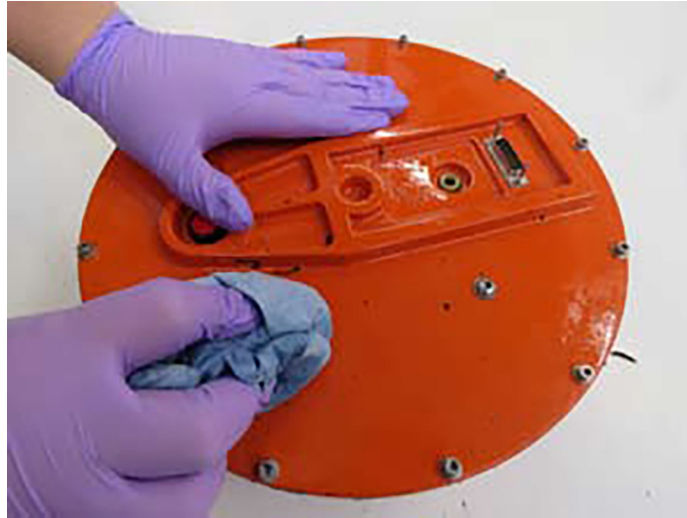


ADHESIVE REMOVAL

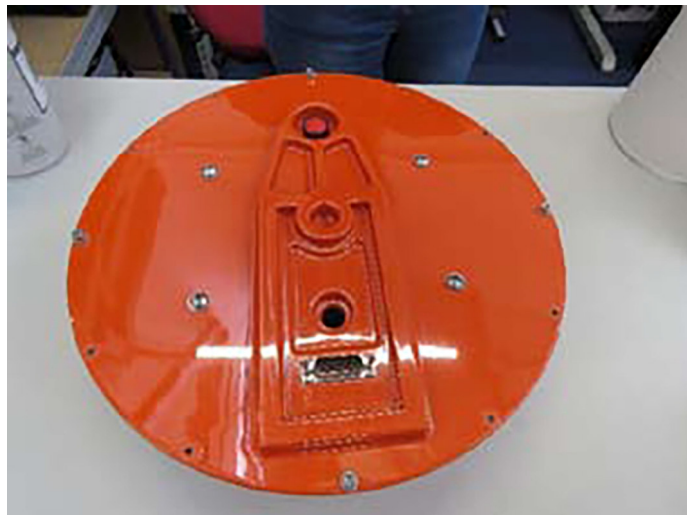
ICN-39-A-256406-G-00001-38773-A-001-01

*Figure 2 Adhesive removal*





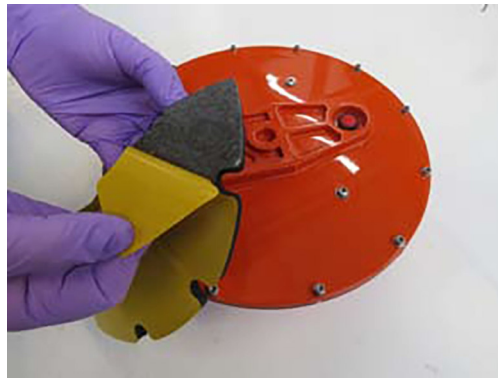
CLEANING OF REWORKED AREA



AFTER THE CLEANING

ICN-39-A-256406-G-00001-38774-A-001-01

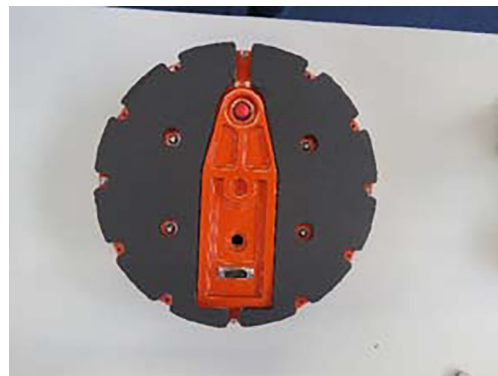
*Figure 3 Cleaning of the beacon*



GASKET INSTALLATION



GASKET INSTALLATION



EXAMPLE OF GASKET CORRECT INSTALLATION

ICN-39-A-256406-G-00001-38775-A-001-01

*Figure 4 Gasket installation*