



TECHNICAL INSTRUCTION HAC15-001 Rev. N/C, November 11, 2015

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**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS**

**HA225-7DEC and HA225-9DEC Latch Assembly  
INSTALLED ON  
BOEING 737 SERIES AIRCRAFT  
BOEING 757 SERIES AIRCRAFT**

**(SEE THE RESPECTIVE HA225-7DEC OR HA225-9DEC SUPPLEMENT FOR SPECIFIC MODELS)**



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### 1. Introduction

This HEICO Aerospace Technical Instruction (TI) defines the Instructions for Continued Airworthiness when P/N HA225-7DEC and HA225-9DEC are installed on the aircraft listed on the FAA approved supplement for P/N HA225-7DEC and HA225-9DEC. P/Ns HA225-7DEC and HA225-9DEC are FAA Approved (PMA) as replacements for Boeing P/Ns HA225-7 and HA225-9.

Boeing P/Ns HA225-7DEC and HA225-9DEC are overhead bin latches. The HA225-7DEC and HA225-9DEC latches are identical except for the addition of a locking mechanism on the HA225-9DEC latch.

The DEC Technologies, Inc. latches replaced the Compression Spring with a silicone rubber Damper. The design of the Latch allows the Hook to retract while the Handle is held shut. The Damper performs the same function as the Compression Spring, which is to maintain a slight resistive force on the Handle when the Hook is retracted with the Handle held shut.

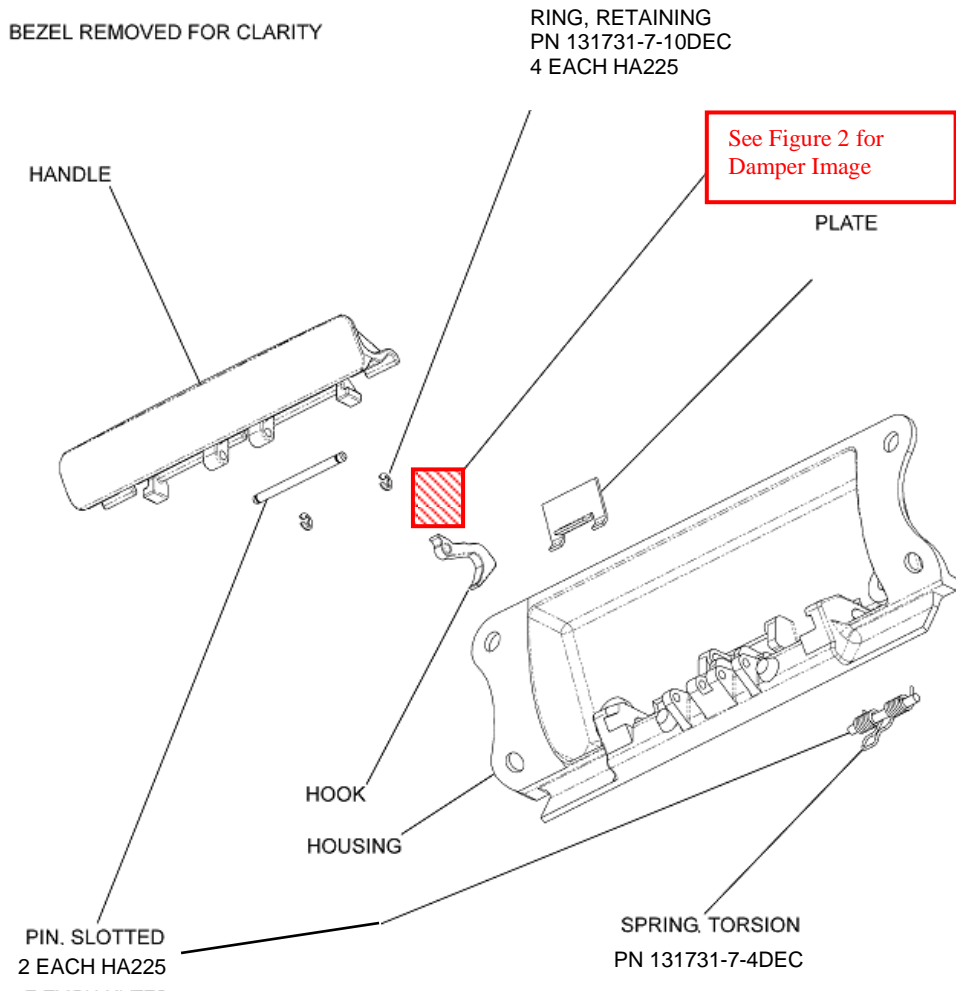
### 2. Replacement of Compression Spring of P/N HA225-7DEC and HA225-9DEC

#### **NOTE:**

**The information presented in this section is for informational purposes only. It is not intended to alter any existing aircraft manual or documentation**

Hartwell Service Instruction SI 11-10-01 provides instructions for replacing both the Torsion and Compression Springs. Shown below in Figure 1 is an exploded view of an HA225 series Latch. Figure 2 shows the correct location and orientation of the Damper, P/N 131731-7-13DEC, for the HA225 series latches.

**HA225-7DEC**



**FIGURE 1: Spring Replacement**

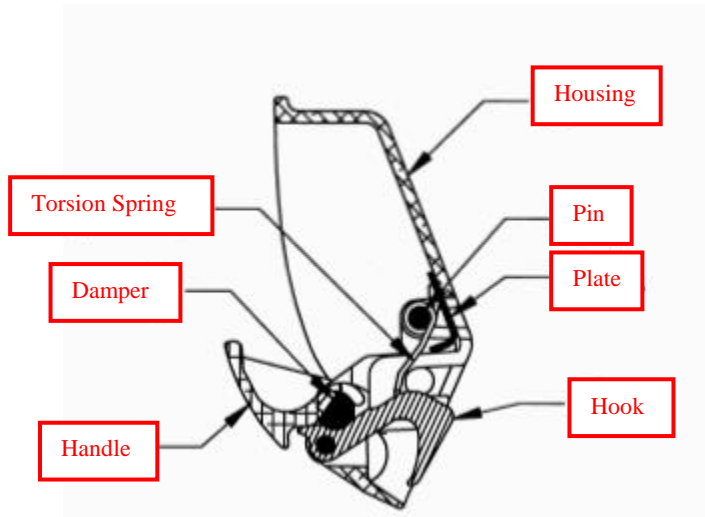


FIGURE 2: HA225-7DEC with Damper

### **3. Airworthiness Limitations**

The Airworthiness Limitations section is FAA-approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations, unless an alternative program has been FAA approved. The Instructions for Continued Airworthiness presently acceptable to the FAA for P/Ns HA225-7 and HA225-9 are valid for use on P/Ns HA225-7DEC and HA225-9DEC with exception to the repair procedures found below in Section 4. Due to the fact that P/Ns HA225-7DEC and HA225-9DEC are not life limited parts, no additional airworthiness limitations are imposed by the supplementary Instructions for Continued Airworthiness found below in Section 4.

### **4. Repair of the HA225-7DEC and HA225-9DEC Latches**

Damper Replacement -

1. Remove the two retaining rings from the slotted Pin.
2. Slide the slotted pin out of the handle. Avoid grabbing the pin with pliers as this can remove the dry film lubricant. Use a similar sized gage pin to push the slotted Pin out of the Housing.
3. Separate the Handle from the Housing.
4. Remove the old Damper from the Handle.



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5. Put the new Damper, P/N 131731-7-13DEC into the handle. See Figure 2 for the correct orientation.
6. Make sure the Hook is in the housing.
7. Align the ID of the holes in the Handle, Hook, and Housing and insert the slotted Pin.
8. Secure the slotted pin with the two retaining rings. Ensure there is no play in the retaining rings. If the retaining rings are loose in the groove, replace with P/N 131731-7-10DEC.

### Torsion Spring Replacement – HA225 Series

1. Remove the two retaining rings from the slotted Pin.
2. Slide the slotted pin out of the handle. Avoid grabbing the pin with pliers as this can remove the dry film lubricant. Use a similar sized gage pin to push the slotted Pin out of the Housing.
3. Remove the old Torsion Spring from the Handle.
4. Put the new Torsion Spring (P/N 131731-7-4DEC) into the Handle.
5. Make sure the Plate is in the Handle.
6. Align the ID of the Spring with the ID of the holes in the Housing and insert the slotted Pin.
7. Make sure the closed loop of the Torsion Spring engages the Hook.
8. Secure the slotted pin with the two retaining rings. Ensure there is no play in the retaining rings. If the retaining rings are loose in the groove, replace with P/N 131731-7-10DEC.

### **5. Material Information**

This document will be maintained and the latest approved revision posted on the HEICO web site at <http://ipc.heico.com>.

### **6. Revision and Approval History**

Initial Release – November 11, 2015