

**UNCLASSIFIED**

**MSG DTG 141820Z NOV 19**

**FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SFA//**

**SUBJECT: AVIATION MAINTENANCE INFORMATION MESSAGE (MIM), AVIATION LIGHT UTILITY MOBILE MAINTENANCE CART, AGSE-20-MIM-01**

**NOTE**

This is an Aviation Maintenance Information Message (MIM) issued per AR 750-6, is permissive in nature and all content and direction are optional for the recipient. This message is not to be construed as a Safety of Flight (SOF), Aviation Safety Action Message (ASAM) or Aviation Maintenance Action Message (AMAM) as defined in AR 750-6.

**NOTE**

This message is issued per AR 750-6 to all Army Commands (ACOM), Army National Guard (ARNG), Army Service Component Commands (ASCC), and Direct Reporting Units (DRU). Commanders must retransmit this message to all subordinate organizations.

**NOTE**

A listing of all messages and any required reports, supplements, or addendums can be downloaded at: "<https://asmprd.redstone.army.mil>".

**1. END ITEM / MISSION DESIGN SERIES (MDS) AFFECTED** - Aviation Light Utility Mobile Maintenance Cart (ALUMMC).

**2. SUMMARY -**

2.1. Background – The Aviation Light Utility Mobile Maintenance Cart (ALUMMC) now has a Polymer door option that allows for better ventilation. Units may replace the International Automation Systems (IAS)-ALUMMC-2 Glass Door with the IAS-ALUMMC-3 Door, Part Number (PN) 1079219-3, if desired.

2.2. Message Purpose – Provide optional IAS-ALUMMC-3 Door installation instructions.

**3. INITIAL TAMMS-A (THE ARMY MAINTENANCE MANAGEMENT SYSTEM - AVIATION) ENTRY** - N/A.

**4. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS** - N/A.

**5. MAINTENANCE APPLICATION** - N/A.

**6. ASSEMBLIES/COMPONENTS/PARTS AFFECTED** - N/A.

**7. SPECIAL TOOLS AND FIXTURES REQUIRED** - N/A.

## **8. TECHNICAL PROCEDURES/INSTRUCTIONS -**

8.1. Upon receipt of this message, Unit Commanders or their designated representatives will ensure all applicable personnel are briefed on the contents of this message.

8.2. When the IAS-ALUMMC-2 Glass Door is replaced with the IAS-ALUMMC-3 Door, PN 1079219-3, the following installation procedures are provided to facilitate the installation.

### **NOTE**

Updating the IAS-ALUMMC-2 to the Polymer Door changes the part number to IAS-ALUMMC-3. The unit will need to make this change by going to TAMMS-A/MCDS at "<https://tamms-a.redstone.army.mil/>".

8.3. **IAS-ALUMMC-3 Door Installation.** The installation of the IAS-ALUMMC-3 Door, PN1079219-3, is accomplished as follows -

8.3.1. The IAS-ALUMMC-2 Glass Door shall be removed via TM 1-1740-213-13&P.

### **NOTE**

The IAS-ALUMMC-3 door is mounted with a pin assembly as with the IAS ALUMMC-2. This will most likely require three people to provide support and ease of maneuverability when installing the door.

8.3.2. Loosen bolts on upper and lower hinge to allow for adjustment.

8.3.3. Apply lubricant to upper and lower hinge pins.

8.3.4. Align and insert pins while supporting door, beginning with top, then the bottom of door into the hinge brackets on the rear pillar.

8.3.5. Close door, ensuring to fully engage latch.

8.3.6. Hand tighten top and bottom mounting bracket bolts.

8.3.7. Adjust top and bottom mounting brackets so that door swings freely, if necessary.

8.3.8. Adjust latch located on frame, if necessary.

8.3.9. Install snap ring onto top alignment pin.

8.3.10. Tighten top and bottom mounting bracket bolts.

8.3.11. Install snap ring onto top alignment pin

### **NOTE**

Because of the clearance issue with the Fuel Cover Panel, a coupler is required for the shock assembly on the left-hand side only.

8.3.12. **Assemble and install LEFT HAND shock assembly as follows -**

8.3.12.1. Locate and assemble bolt, strap bracket, coupler, and ball joint.

8.3.12.2. Tighten assembly.

8.3.12.3. Snap ball into socket.

8.3.12.4. Insert pin through both holes in socket and push ring around socket until it snaps into place, securing the ball in the socket.

8.3.12.5. Snap the shaft end of the shock assembly to the door.

- 8.3.12.6. Insert pin through both holes in socket and push ring around socket until it snaps into place, securing the ball in the socket.
- 8.3.12.7. Press the shaft end of the shock assembly to the door.
- 8.3.12.8. Insert pin and push ring around socket until it snaps into place, securing the ball in the socket.
- 8.3.13. **Assemble and install RIGHT HAND shock assembly as follows -**
  - 8.3.13.1. Locate and assemble nut, strap bracket, and ball joint.
  - 8.3.13.2. Tighten assembly.
  - 8.3.13.3. Snap ball into socket.
  - 8.3.13.4. Insert pin through both holes in socket and push ring around socket until it snaps into place, securing the ball in the socket.
  - 8.3.13.5. Snap the shaft end of the shock assembly to the door.
  - 8.3.13.6. Insert pin through both holes in socket and push ring around socket until it snaps into place, securing the ball in the socket.
  - 8.3.13.7. Press the shaft end of the shock assembly to the door.
  - 8.3.13.8. Insert pin and push ring around socket until it snaps into place, securing the ball in the socket.
- 8.3.14. **Complete Strap adjustments as follows -**
  - 8.3.14.1. Weave strap through strap bracket. Do not adjust.
  - 8.3.14.2. Open door and adjust strap. Verify that the shock assembly is not fully extended.
  - 8.3.14.3. Secure strap with hook and loop strips in two locations along the length of the gas cylinder.

**9. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES) - N/A.**

**10. SUPPLY/PARTS (REQUISITION/DISPOSITION) - N/A.**

**11. COMPLIANCE REPORTING REQUIREMENTS - N/A.**

**12. PUBLICATION REQUIREMENTS - N/A.**

**13. POINTS OF CONTACT -**

13.1. Aviation Ground Support Equipment POCs -

13.1.1. Primary - Mr. Mark Little, DSN 645-9768 or 256-955-9768.

Email: "[mark.e.little.civ@mail.mil](mailto:mark.e.little.civ@mail.mil)".

13.1.2. Alternate - Mr. Dan Biekert, DSN 897-6076 or 256-313-6076.

Email: "[daniel.e.biekert.civ@mail.mil](mailto:daniel.e.biekert.civ@mail.mil)".

13.2. AMCOM Safety POCs -

13.2.1. Safety (Primary) - Mr. William Kennedy, DSN 788-8630 or 256-842-8630.

Email: "[william.l.kennedy4.civ@mail.mil](mailto:william.l.kennedy4.civ@mail.mil)".

13.2.2. Safety (Alternate) - Mr. Brandon Daugherty, DSN 788-1252 or 256-842-1252.

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