

NUMBER	SB1610
TO	All F-210 (HR6400) Aircraft Maintenance Providers
SUBJECT	Installation of Spacer, ACMU Mount
REVISION	Rev A
DATE	07/21/16

AFFECTED ASTRONICS AEROSAT PRODUCT

DESCRIPTION	Antenna Control Modem Unit
PART NUMBER	002-2000-0000
PART NUMBER REVISION	Rev D

REFERENCE DOCUMENTATION

D6-15565	Boeing Structural Repair Manual (Chapter 51)
D6-54446	Boeing Standard Wiring Procedures Manual (Chapter 20)
006-0023-0001	ACMU Spacer Kit
200-35078	Spacer, ACMU Mount

1.0 COMPLIANCE – MANDATORY

Compliance with this service bulletin shall be within one calendar year from date of issue of this Service Bulletin.

2.0 BACKGROUND

Due to the current mounting procedure for the ACMU (002-2000-0000) on board Boeing Aircraft the vibration isolation dampers are not being utilized to their complete capabilities causing increased stress during both ground and flight operations.

3.0 PURPOSE

The purpose of the installation of the ACMU Spacer Kit is to properly utilize the vibration isolation dampers on the ACMU mounting points to decrease stress on internal components induced by vibration during aircraft both ground and flight operations.

4.0 SCOPE

Installation of the 006-0023-0001 ACMU Spacer Kit is required on all ACMU installations onboard Boeing Aircraft.

5.0 APPROVAL

This repair has been approved by Astronics AeroSat Engineering. Reference 14 CFR 43.5 (a.)(b.) Approval for return to service after maintenance, preventative maintenance, rebuilding, or alteration. Per guidance in AC-120-77 Paragraph 10 a.2, this change is substantiated by technical data consisting of engineering information related to service experience, maintenance and alteration experience, and reliability data.

6.0 PROCEDURE

To execute this Service Bulletin you will be required to remove and reinstall the ACMU with the addition of the ACMU Spacer Kit and appropriate hardware to accommodate required thread engagement. Upon completion a systems operational check shall be performed.

6.1 PERSONNEL REQUIREMENTS

This task requires one qualified technician and approximately three hours to complete.

6.2 TOOLING REQUIREMENTS

General hand tools and appropriate valued torque wrench are required to perform this task.

6.3 PARTS REQUIREMENTS

006-0023-0001 ACMU Spacer Kit (Contains 4 ea. 200-35078 SPACER, ACMU MOUNT)

Installation hardware with appropriate thread engagement per Boeing Aircraft Company SRM. Hardware shall be equivalent to the removed fastener and equivalent to the fastener called out by installation design documentation. Only fastener length shall be adjusted for engagement.

6.4 WEIGHT AND BALANCE

There is no effect to the weight and balance.

6.5 ELECTRICAL LOAD

Not applicable.

7.0 INSTRUCTIONS

1. Remove power from the Astronics AeroSat SATCOM system.
2. Remove appropriate aircraft paneling to obtain access to the ACMU.
3. Disconnect all cabling to the ACMU to include the ACMU bonding strap.
4. Remove the 4 each ACMU mounting fasteners.
5. Install the SPACER, ACMU MOUNT (200-35078) between the ACMU vibration isolation damper and airframe mounting location. (See Figure 1)
6. Install appropriate fasteners to reattach the ACMU to the mounting location torquing the fastener to the appropriate value indicated in the installation instructions. (See Figure 1)
7. Reconnect all cabling to the ACMU to its appropriate locations to include bonding strap.
8. Reapply power to the Astronics AeroSat SATCOM System.
9. Complete a functional check out of the system and ensure the proper link can be established.
10. Reinstall all removed aircraft paneling.

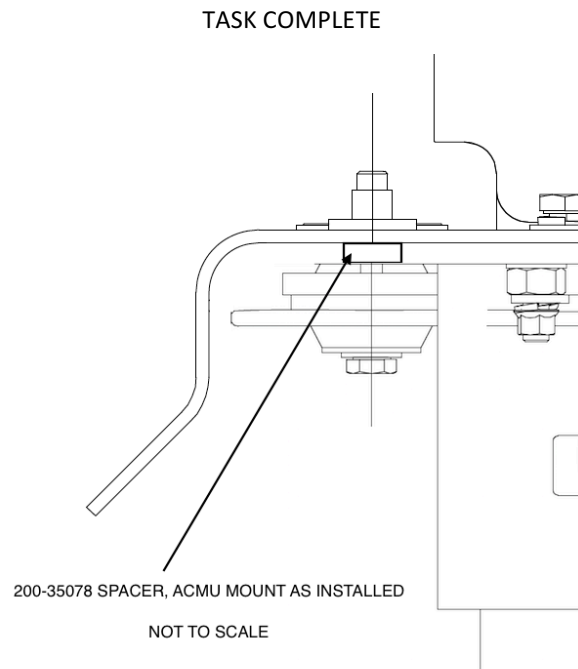


Figure 1
Installation of SPACER, ACMU MOUNT

8.0 ACCEPTANCE/REJECTION CRITERIA

Installation of the 006-0023-0001 ACMU Spacer Kit, completion of a systems functional checkout, and completion of all appropriate aircraft maintenance records will be the acceptable criteria for completion of this Service Bulletin.

9.0 RECORD OF COMPLIANCE

Upon completion of the maintenance action, ensure an entry is made in the appropriate aircraft log or operator's maintenance documentation system.

CONTACT INFORMATION

For questions regarding this Service Bulletin, please contact Astronics AeroSat Product Support.

Astronics AeroSat
Product Support
60A State Route 101A
Amherst, NH 03031
Email: AeroSat.Support@astronics.com
Phone: 1-603-400-2528