



## MMA EEPROM Reprogramming:

The Mast Mounted Assembly (MMA) Electronically Erasable Programmable Read-Only Memory (EEPROM), NIIN 016055217 (Figure 1), requires reprogramming after specific FCR maintenance tasks. This EEPROM is referenced in the Apache Interactive Electronic Technical Manual (IETM) as the Elevation Gimbal Assembly (EGA) EEPROM and is installed on the MMA Power Supply Controller J7 connector (Figure 2).

The reprogramming of the MMA EEPROM is critical in ensuring that the Fire Control Radar (FCR) boresight characteristics specific to the current MMA configuration are transmitted to the aircraft. Without this reprogramming, FCR accuracy can be impacted in Elevation (Range) or Azimuth, which could drive issues with FCR handoff or FCR targeting. It is important to understand that if the EEPROM is not reprogrammed, there will be no indication of a failure, and the FCR will continue to operate normally, even though the accuracy of the system is now suspect. The following tasks require reprogramming of EEPROMs:

- Replacement of the Elevation Gimbal Assembly (EGA), NIIN 015330686
- Replacement of the Slip Ring/Rotary Joint (SRRJ), NIIN 015379903
- Replacement of the Accelerometer Sensor Assembly, NIIN 015380703

When the above maintenance actions are completed, the IETM directs the maintainer to gather specific data used in programming the replacement EEPROM. For the EGA replacement, MMA and EGA serial numbers are required. For SRRJ or Accelerometer replacement, the information gathered during the IETM task Boresight Data Collection, along with the MMA and EGA serial number is required.

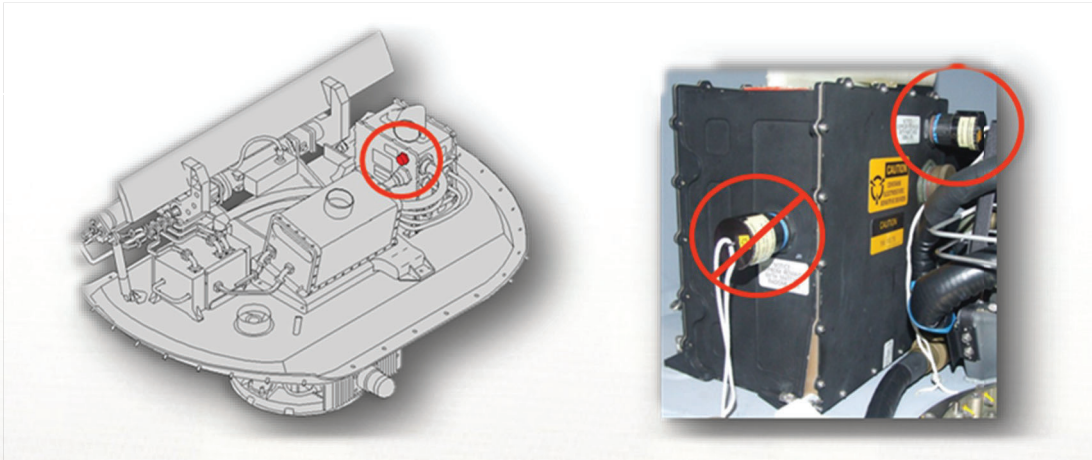
When a new EEPROM is required due to replacement of one of the three components above, the replacement EEPROM is provided and shipped at no charge to the unit and there is no requirement to order an EEPROM. Simply send the required data to the email address below and the new EEPROM will be programmed and shipped to unit with return instructions for the old EEPROM. In addition to the required data please include a Point of Contact (POC), telephone number, and shipping address. Replacement EEPROMs will be shipped direct to the provided POC and address.



**Figure 1 - MMA EEPROM**



# ALC Apache Avionics & Radar



**Figure 2 - MMA EEPROM Location**

Please send EEPROM programming data or requests for more information to the Lockheed Martin Apache Integrated Technical Operations Center (ITOC) at 407.356.0800 or [afc-itoc.support@lmco.com](mailto:afc-itoc.support@lmco.com)

Avionics and Radar Branch Chief  
Kadee Waterbury  
COM (256) 842-8050 DSN 897  
[kadeeann.w.waterbury.civ@army.mil](mailto:kadeeann.w.waterbury.civ@army.mil)

