



Electronic Control Amplifiers, Stabilization Data Indicators, and Signal Data Converters Repair and Overhaul Capabilities



Aerospace Maintenance Solutions, LLC (AMS) repairs Electronic Control Amplifiers, Stabilization Data Indicators, and Signal Data Converters for a variety of aircraft platforms, including the UH-60, F-5 and F-16.

An Electronic Control Amplifier has a typical service life of approximately 1500 hours. Amplifier units are tested under conditions that simulate aircraft flight. Technicians validate amplifiers under test are functioning within acceptable tolerance ranges.

AMS has years of experience diagnosing amplifier failures, repairing, certifying, and returning to service. Technicians at AMS are trained to operate a Stabilator Control Amplifier test set, a Stabilator Amplifier Module test set, and a calibrated two-axis rate table for troubleshooting and testing amplifiers. Rate of turn can be tested at 360 degrees per second along the lateral and normal axis.

For Stabilization Data Indicators, AMS technicians verify the indicators' pointer accuracy using a master synchro simulator. Overhaul procedures include cleaning the indicators' bearings, checking for signs of wear from friction on the synchros, and aligning units.

Signal Data Converters on F-16s are tested with a Signal Data Converter and Transceiver/DAQ test set to confirm that signal outputs for altitude are accurate. Technicians validate that analog signal inputs are converted to digital data. Units under test are subjected to environment and vibration testing.

All tests and repair procedures are conducted and documented within the company's approved AS9110 Quality system.



AMS OVERVIEW COMPANY DATA

- Established 2005
- CAGE CODE: 449T3
- AS9110 certified to the scope of Design, Maintenance, Repair and Overhaul of Instrumentation, Electrical/Electronic System components, and Mechanical Accessories for Defense and Commercial Aircraft
- ITAR Compliant
- FAA AC 00-56A certified
- IPC -771/7721 and JSTD 001 standards
- FAA Air Agency Certificate: OKQR412Y with Instrument Class I, II, III, IV, Radio Class I and II, and Limited Radio ratings

CORE REPAIR CAPABILITIES

Electrical and Electronics, Flight Control Systems, Mechanical, including Hydraulics and Pneumatics, Gyroscopes and Accelerometers, Instruments, Power Generation, Power Control, Power Supplies, Radar and Radio, Countermeasures and Weapon Systems.

PAST PERFORMANCE

U.S. Air Force and other branches of the U.S. military, U.S. Department of Homeland Security, Aircraft OEM (e.g. Lockheed-Martin), foreign military allies (e.g. NATO forces), and Public Safety Aviation/Natural Disaster Response Operations.

Part Number	Alternate Part Number	NSN
70450-01043-112	245-476850-000, 476-850	6620-01-084-2255
70450-01043-126	100-601562-000	6620-01-342-0470
70450-01053-104	ID2279/A	6610-01-114-9564
70450-01053-105	3869008-3	6610-01-125-0776
70450-01053-107	ID-2079A/A, 3009445-5	6610-01-326-0119
70700-77650-043		4920-01-157-8698
70901-02908-103	AM-7105/A	5996-01-120-3047
70901-02908-104	3757261-7, AM-7105A/A	5996-01-317-8581
70901-21908-103	3757302-3	6615-01-164-4297
70902-02001-047	AM-71060/A	5996-01-267-8082
70902-02001-048	AM-7106E/A	5895-01-316-2743
70902-21002-042		6615-01-172-9180
70902-21002-043		6615-01-308-9466
70902-21002-044		1680-01-305-8238
70902-21002-046		1680-01-345-4860
70901-21908-105	73005097-9	5996-01-583-0652
70902-22001-042		6615-01-164-4133
70902-22001-044		6615-01-451-8294
70902-22001-045		6615-01-325-7989
70902-22001-046	ASU-46/A	6615-01-256-7324
70902-85200-043		1680-01-480-5015
836525-3	14-73900-3	6615-00-264-0974
836525-5	14-73900-5	6615-01-045-7350
836525-7	14-73900-7	6615-01-047-7646
85900000-03		5895-01-259-2564
85900000-04		5895-01-445-1432
TRC06-02001-048	AM-7106F/A	5996-01-538-2841

CUSTOMER SATISFACTION

Lead times, cost, and other key performance indicators are monitored within AMS performance based logistics (PBL) systems and yearly customer survey reports.

CONTACT

AMS is located at 29401 Ambina Dr., Solon, OH 44139.

Call 440-729-7703, fax 440-729-7704, or use the contact form at <http://aerospacellc.com/contact>.