

NON-FACTORY MODIFICATIONS

MARCH 19, 2013

Eclipse Aerospace is committed to the safe operation of the Eclipse Jet fleet. Proper maintenance is a critical component in the overall safety of the fleet.

EAI strives to continually improve their products, offering improved components, functionality, and software whenever possible. As the FAA Type Design Holder, EAI is held to the highest regulatory standards when making modifications to the aircraft.

EAI factory modifications have undergone several levels of review from our Design Engineers, Stress Engineers, Software Engineers, Pilots, FAA Designated Engineering Representatives, and FAA Designated Airworthiness Representatives prior to submitting the data to the FAA for their final approval. Modifications have also been evaluated against industry standard testing practices (DO-160, DO-178, etc.).

These rigorous evaluations, made by a community of highly trained and experienced professionals assures that the modifications to your aircraft will function as desired without adversely effecting any other system, the overall safety, or fatigue life of the aircraft.

EAI is aware of a number of parties performing installations and modifications by means of an FAA 337. These installations require little technical evaluation and can be performed by a single individual. Additionally these installations do not have the advantage of being scrutinized by a community of technical professionals with a deep understanding of the total aircraft systems and the potential impact of modifying any one system or structure.

While FAA approved, these modifications may actually produce undesirable results under certain conditions or when connected with a secondary system failure. EAI is also concerned with the impact of patches or doublers that may have been installed by these non-EAI approved centers, without respect to the fatigue life of the Friction Stir Welds.

While some non-EAI modifications may be acceptable and safe, others raise great concern. To that end, EAI may at their sole discretion discontinue support services for aircraft with FAA 337 modifications deemed unacceptable by EAI. Aircraft with unacceptable modifications may not be eligible for any life extension beyond the current 10 years.

Operators interested in assistance evaluating any non-factory modifications should contact EAI Field Service.