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AmSafe State of the Art Restraint System (SOARS) P/N K7336

1 Inflatable Kit Assembly P/N K7336 Contents

- Two inflatable restraint system assemblies
- One cable interface assembly
- Two line replaceable unit (LRU) inflator interface cables
- One body block
- Two inflator assemblies
- One electronic module assembly (EMA)
- Two airbag-equipped labels

2 Warnings and Cautions

WARNING: FOLLOW ALL INSTRUCTIONS IN INSTRUCTION MANUAL IM7336. DEATH OR SERIOUS INJURY TO PERSONNEL MAY OCCUR IF INSTRUCTIONS ARE NOT FOLLOWED.

CAUTION: Follow all instructions in instruction manual IM7336. Damage to equipment may occur if instructions are not followed.

WARNING: HANDLE THE SYSTEM WITH CARE AS IT IS ACTIVE WHEN ALL ELECTRICAL CONNECTIONS ARE MADE. THE SYSTEM IS ACTIVE EVEN WHEN IT IS UNBUCKLED.

WARNING: THE INFLATOR CONTAINS 7,000 PSI OF COMPRESSED GAS. KEEP THE INFLATOR IN A THRUST NEUTRAL CONDITION AS LONG AS POSSIBLE. THE INFLATOR SHALL BE HANDLED BY PERSONS TRAINED TO HANDLE DANGEROUS GOODS. DEATH OR INJURY TO PEOPLE MAY OCCUR BY OPENING, MISUSING, MISHANDLING, TAMPERING OR REPAIRING THE INFLATOR.

WARNING: DO NOT CONNECT A CABLE TO THE INFLATOR UNLESS THE INFLATOR IS SECURED IN ITS BRACKET.

WARNING: ENSURE THE RED LOCKING TAB ON THE CABLE CONNECTORS IS LOCKED WHEN MAKING ELECTRICAL CONNECTIONS.

WARNING: DO NOT CONNECT A CABLE TO THE EMA UNTIL THE EMA IS PROPERLY INSTALLED AND TORQUED TO ITS BRACKET OR MOUNTING PLATE AND THE SYSTEM IS UNBUCKLED.

WARNING: DO NOT DROP, MISHANDLE, MODIFY OR REPAIR THE EMA AS THERE IS POTENTIAL FOR IT TO NOT FUNCTION. DO NOT USE THE EMA. RETURN THE EMA TO AMSAFE FOR REPLACEMENT.

WARNING: KEEP THE SYSTEM IN AN UNOCCUPIED SEAT BUCKLED AT ALL TIMES.

WARNING: DO NOT TRANSPORT A SEAT UNLESS THE SYSTEM IS DISABLED.

WARNING: READ INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA7336 PRIOR TO PERFORMING MAINTENANCE.

WARNING: FOLLOW INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA7336 TO INSPECT A DAMAGED AIRBAG COVER OR FABRIC HOSE SUBASSEMBLY AND TO REMOVE AND REPLACE THE CONNECTOR HALF.

3 Installation, Diagnostics and Deployment

Installation is to be performed by a FAA-authorized A&P mechanic per installation manual IM7336. FAA form 337 must be completed for all certified aircraft.

In general, diagnostics is performed a minimum of every 4000 flight-hours or 12 months (whichever occurs first), annually or when the system is disconnected. The complete list of intervals for diagnostic testing is in instruction for continued airworthiness ICA7336.

In case of airbag deployment, immediately remove and replace all systems that are controlled by the EMA. The seats shall become inoperable and unavailable for use even if the airbag in the other seat position did not deploy.

4 Documents

Documents are located at <https://www.amsafe.com/airbag-systems/soars/> and include the STC letter and certificate, kit drawing, system description, installation manual, instructions for continued airworthiness, approved flight manual supplement and weight and balance.