

Mirage Approved AAD List

Current as of 20 April 2012

The following Automatic Activation Devices have been evaluated by Mirage Systems, Inc. to determine their *operational compatibility* with Mirage G3, G4.1 and RTS harness and container assemblies, and are APPROVED for installation:

<u>Brand</u>	<u>Model</u>	<u>Manufacturer</u>
Argus	One Pin	Aviacom, SA/NV
Cypres	1, 2 One Pin (Student, Expert, Speed)	Airtec, GmbH
M2	One pin (Student, Expert)	MarS a.s.
Vigil	I, II One Pin	AAD nv/sa Advanced Aerospace Designs

Mirage Systems, Inc. determines the *operational compatibility* of an AAD with our harness and container assemblies based upon the following criteria:

- The AAD will fit into the retaining pouch provided in the reserve container.
- The electrical cables are of sufficient length.
- The operating controls are accessible when installed.
- The closing loop cutter will fit into the elastic keeper provided.

Approval IS NOT based upon the AADs *operational reliability*. For questions concerning the operational reliability of an AAD, contact the manufacturer. Install and use an AAD in Mirage harness and container assemblies at your own risk.

Since the reserve closing loop of a Mirage harness and container assembly must pass through the pyrotechnic cutter assembly of an installed AAD, the potential exists for the cutter to fail to cut the closing loop and to trap it within the cutter mechanism. While the likelihood for such a failure may be remote, if it were to occur, it could possibly interfere with the immediate release of the reserve pilot chute, even if the ripcord is manually pulled. In addition, there is also the remote possibility that a partially cut closing loop could fail later, causing a dangerous premature deployment of the reserve parachute. *Mirage owners should note that current designs of pyrotechnic cutters used in AADs do not include a "fail-safe" mechanism to guarantee that a faulty cutter cannot interfere with the manual operation of the reserve parachute in any way.*

Federal Aviation Regulation Part 105.43(c) states, "*If installed*, the automatic activation device must be maintained in accordance with manufacturer instructions for that automatic activation device." Contact the manufacturer of your AAD if you have questions.

Owners and users of Mirage Systems, Inc. products are encouraged to weigh the potential hazards of installing and using an AAD against the potential consequences of not having an AAD installed, and to make their own decision about using an AAD. For additional information, see Mirage Product Service Bulletin 06-11-2 dated 24 June 2011.