

VIGIL AAD

SERVICE BULLETIN #1

Date : 31st March 2004

Subject : Vigil AAD ground activation due to static electricity

Status : **Mandatory replacement of the main printed circuit board on all Vigils identified below**

Identification : **Any Vigil with a D.O.M. prior to 26 March, 2004**

Despite years of intensive product testing, more than six months of active sales and at least 10,000 uneventful jumps worldwide, there were three Vigil misfires on the ground in March 2004. One was in Atlanta, USA, and two in Gap, France.

After extensively analyzing and testing these Vigils, it is concluded that the cutters fired due to interference generated by more than 15 K V static electricity.

It has been determined that a high level of electrostatic discharge on the ground can cause the cutter to activate on Vigils produced before 26 March 2004. Such ground misfires can only happen under very specific circumstances, for example: packing in a highly electrostatic environment, such as on a static floor in a very dry atmosphere.

To eliminate this problem, we decided to modify the Vigil's main printed circuit board (P.C.B.) The new P.C.B. will ensure that the cutter's electronic triggering system is much less sensitive to this extremely energetic electrostatic discharge.

As of 26 March 2004, production of the Vigil has been suspended and will only resume once the adapted P.C.B.s are in place. The adapted P.C.B. will be equipped with the same software as currently installed. This change will only reduce its sensitivity to electrostatic discharges.

At this time, we have also decided to replace every Vigil currently in field. This change is mandatory. During the time it will take to exchange all units, the Vigil can still be jumped since an electrostatic misfire can only happen on the ground.

We recommend that customers using Vigils at drop zones in a highly electrostatic environment contact us for a priority exchange service.

The new manual v2.0.2 is available on our website at www.vigil.aero

Feel free to contact us for more specific details at info@vigil.aero

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