



# AUSTRALIAN PARACHUTE FEDERATION

PO Box 144, Deakin West ACT 2600 Phone (02) 6281 6830, Fax (02) 6285 3989  
<http://www.apf.asn.au> Email – [apf@apf.asn.au](mailto:apf@apf.asn.au)

## APF SERVICE BULLETIN No APF091110 Issued 10<sup>th</sup> November 2009

**SUBJECT:** Advanced Aerospace Designs (AAD) Vigil PSB-5

**STATUS:** MANDATORY

**IDENTIFICATION:** Vigil Cutters type 3.  
Vigil AAD, All Cutters produced in December 2007  
Part Number: 9582006  
Date of Manufacture: **12 - 07 - 2 (mm/yy/Batch)**

**BACKGROUND:** Vigil PSB-5 was issued 10<sup>th</sup> October 2009.

After an activation of the cutter, the cutter body separated from its base. This occurred on the 19th September 2009 in Cerfontaine (Belgium).

Following notification by AAD of [this incident](#) to their cutter manufacturer, they were informed that this incident was caused by an error during the final crimping of the cutter body to its base.

This permitted the internal pressure to move the detonator and its base backwards, instead of pushing the cutter knife forward.

With this scenario, the knife was not able to do its job and stayed in its original position without cutting the closing loop.

**This cutter was part of a production batch of 199 pieces, produced in December 2007.**

The manufacturer of their cutters has assured AAD that this is an isolated case and that this has never occurred before in the millions of cutters and detonators that they have produced for its customers including NASA and the US Armed Forces.

They want to confirm that 2 cutters of that batch were activated by them for test purpose and worked to specification. (See Vigil PSB-5 picture 2).

**In the interest of safety, AAD has decided to recall all cutters from this batch and to replace all those cutters free of charge.**

This also will enable them to personally examine the entire batch before sending it back to the factory for a detailed analysis, this will allow them to confirm that this is an isolated incident.

Because of the cutter manufacturers assurances this can be done at the next repack cycle.

**APF POLICY:** These cutters are to be replaced prior to next use for each affected unit. The cutter date of manufacture is printed under the part number 9582006 in the format 12-07-2 (mm/yy/batch). A hologram number is found on the cutter with a corresponding hologram on the main box. If the cutter has been upgraded from type 1 or 2 to 3 after December 2007 you will need to check the date of manufacture or hologram number against the list issued as part of AAD PSB 5 – the reserve container will need to be opened to inspect. Owners are to contact AAD VIGIL or dealer for replacement cutter.

**COMPLIANCE DATE:** Immediate

**AUTHORITY:** APF Board through the Director Rigging.

**DISTRIBUTION:** Through APF Service Bulletin system.



**AAD sa/nv**  
Bld A.Reyers, 193  
1030 Brussels – Belgium – Europe  
+32 2 732 65 52 – Fax : +32 2 736 06 27  
[www.vigil.aero](http://www.vigil.aero) - [info@vigil.aero](mailto:info@vigil.aero)

## **Product Service Bulletin**

**Issue Date:** 10 October 2009

**Bulletin Number:** PSB-5

**Subject:** Vigil Cutters type 3

**Status:** Advisory

### **Identification:**

Vigil AAD, All Cutters produced in December 2007  
Part Number: 9582006  
Date of Manufacture: **12 - 07 - 2 (mm/yy/Batch)**  
See pict.

### **Background:**

After an activation of the cutter, the cutter body separated from its base.  
This occurred on the 19th September 2009 in Cerfontaine (Belgium).



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### **Service Bulletin:**

Following notification by AAD of this incident to our cutter manufacturer, we were informed that this incident was caused by an error during the final crimping of the cutter body to its base.

This permitted the internal pressure to move the detonator and its base backwards, instead of pushing the cutter knife forward.

With this scenario, the knife was not able to do its job and stayed in its original position without cutting the closing loop.

**This cutter was part of a production batch of 199 pieces, produced in December 2007.**

The manufacturer of our cutters has assured AAD that this is an isolated case and that this has never occurred before in the millions of cutters and detonators that they have produced for its customers including NASA and the US Armed Forces.

We want to confirm that 2 cutters of that batch were activated by us for test purpose and worked to specification. (See picture 2).

**In the interest of safety, AAD has decided to recall all cutters from this batch and to replace all those cutters free of charge.**

This also will enable us to personally examine the entire batch before sending it back to the factory for a detailed analysis, this will allow us to confirm that this is an isolated incident.

### **Compliance Date:**

Because of the cutter manufacturers assurances this can be done at the next repack cycle.

## **Authority:**

Yann Bronnec / Edwin Bollaerts / Jo Smolders  
P.R. Manager / Office Manager / Managing Director

### **AAD sa/nv**

Bld A.Reyers, 193  
1030 Brussels – Belgium – Europe  
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[www.vigil.aero](http://www.vigil.aero) - [yann@vigil.aero](mailto:yann@vigil.aero) - [info@vigil.aero](mailto:info@vigil.aero)

### **Vigil USA LLC**

1645 Lexington Avenue  
Deland, FL 32724  
+386 736 8464 – Fax : +386 736 8468  
[www.vigil.aero](http://www.vigil.aero) - [candace@vigil.aero](mailto:candace@vigil.aero)



## **The Distribution list shall include but is not limited to:**

- All owners of Vigil Cutter With DEC 07 production date.
- All AAD dealers.
- Parachute Industry Association.
- All Parachuting publications.
- Federations.
- All National Aero Clubs, Parachuting Section.
- IPC Technical Committee.



Picture 1



Picture 2



**AAD sa/nv**

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**List of Vigil II supplied with Cutter DOM: 12-07-2 (mm/yy/batch)**

Quality Control Gold Hologram	Vigil Serial Number		Quality Control Gold Hologram	Vigil Serial Number
I215	7163		M277	10745
I212	7170		M278	10746
J184	7965		M279	10747
J167	8019		M281	10749
J168	8020		M282	10750
J169	8022		M283	10751
J187	8025		M284	10752
L684	9916		M285	10753
L685	9917		P613	10809
L688	9922		M446	10926
L922	10158		M462	11013
L927	10165		M473	11026
M141	10593		M474	11027
M174	10628		M489	11042
M218	10678		M604	11185
M221	10681		M629	11216
M222	10682		M737	11357
M233	10693		M767	11401
M239	10701		M783	11417
M241	10703		M956	11661
M253	10716		N020	11742
M254	10717		N050	11772
M255	10718		N061	11783
M256	10720		N084	11806
M257	10721		O973	13851
M258	10722			
M260	10724			
M261	10725			
M262	10726			
M264	10728			
M265	10729			
M267	10731			
M268	10732			
M269	10733			
M270	10734			
M271	10735			
M272	10736			
M273	10737			
M274	10739			



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**List of Cutters with DOM: 12-07-2 (mm/yy/batch)**

Quality Control Silver Hologram	Mounted on :	Quality Control Silver Hologram	Mounted on :	Quality Control Silver Hologram	Mounted on :	Quality Control Silver Hologram	Mounted on :
4860	*	4903	Vigil #7983	4956	Vigil #4999	6324	*
4861	*	4904	Vigil #7979	4959	*	6325	*
4864	*	4905	Vigil #7988	4961	Vigil #7992	6326	*
4866	Vigil #4435	4908	*	5082	Vigil #5482	6327	*
4867	Vigil #4945	4912	*	5083	Vigil #7708-	6328	*
4868	*	4913	*	5084	*	6329	*
4870	Vigil #7037	4914	*	5088	Vigil #5413	6337	*
4871	Vigil #2872	4915	*	5092	*	6338	*
4877	*	4916	*	5172	*	6339	*
4878	*	4922	*	5173	*	6750	*
4879	*	4923	*	5174	*	6760	*
4880	*	4924	*	5176	Vigil #7461	6761	*
4881	*	4926	*	5177	Vigil #2603	6763	*
4883	Vigil #2875	4927	*	5178	Vigil #6060	6810	Vigil #7318
4884	Vigil #3475	4929	*	5198	*	6811	Vigil #7707
4885	Vigil #4445	4930	*	5394	*	6832	*
4886	Vigil #1321	4931	*	5395	Vigil #4848	6834	*
4887	Vigil #6973	4932	Vigil #7519	5396	Vigil #6539	6835	*
4888	Vigil #7444	4933	Vigil #7739	5397	Vigil #7168	6836	*
4889	Vigil #7445	4935	*	5398	Vigil #7177	6837	Vigil #7526
4890	Vigil #7563	4936	Vigil #7683	5399	Vigil #6495	6849	Vigil #7546
4891	Vigil #3614	4937	*	5405	Vigil #3500	6858	Vigil #6837
4892	Vigil #2312	4938	*	5406	Vigil #7185	6861	Vigil #7356
4893	*	4939	*	5407	Vigil #7178	6866	Vigil #7676
4894	*	4940	*	5408	Vigil #7169	6867	*
4895	*	4941	*	5409	Vigil #4923	6868	*
4896	*	4942	*	5621	*	6869	Vigil #5103
4897	*	4943	*	5639	Vigil #4073	6878	Vigil #2145
4899	*	4944	Vigil #5700	5831	Vigil #4202	6879	*
4901	Vigil #7985	4949	*	5967	Vigil #5200	7025	Vigil #6978
4902	Vigil #7984	4954	Vigil #4427	6323	*	7055	*



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**Remark \* : No infos received back from distributors or customers.**