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**From:** jeffrey E. <jeevacation@gmail.com>  
**Sent:** Tuesday, December 1, 2015 8:47 PM  
**To:** Larry Visoski [REDACTED]  
**Subject:** Re: Fun

so if the voltage is jumping around is the precooler=valve opening and closing widly.

[REDACTED] > wrote:

From Pete

Sent from my iPhone

Begi= forwarded message:

From:</=> Pete Rawson [REDACTED]  
Date: December 1, 2015 a= 1:38:14 PM AST  
To: Larry Visoski [REDACTED]  
Subject: RE: Fu=

Hi La=ry,

The answers to the questions from JE =nd you are;

The dorsal allows ram air to =ormally go through the left and right heat exchangers.  
The= are part of the air cycle machines, nothing to do with the precoolers.  
There are no components, the only change in flow is speed of =he aircraft.  
It also allows ram air to enter the cabin whe= "Ram" is selected- part of the emergency pressurization system.=span>

The air cycle machines "Packs" then work the tem=erature for the cabin.

The overboard air =rom the pylon-

That is the fan air that goes through the p=ecooler valve, and across the pylon radiator.

The panel re=dings mean-

Low voltage, should also have low pressure ind=cation- That allows the precooler valve to open-  
Air flows=across the pylon radiator and cools the input air to the temp system.

High voltage, should also have high pressure- =hat causes the precooler to close-  
No air across the pylon=radiator.

Each side is separate, both in =ontrol and function.

See you tomorrow-</=pan>

Regards,  
Pete

-----Original Message-----

From: Larry Visoski [REDACTED]  
Sent: Tuesday, December 01, 2015 9:01 AM  
To: Pe=e Rawson [REDACTED]  
Subject: Fun

What does dorsal fin do on the G4, I know in the G2=it provided emergency pressurization

Sent=from my iPhone

<=r clear="all">

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