

Kerbal Space Program - Bug #6009

all passive Radiators Panels (small, large and sideway) pulling heat from anywhere of the craft like active radiators

12/04/2015 02:22 PM - Darth_Lazarus

Status:	Closed	Start date:	12/04/2015
Severity:	Normal	% Done:	100%
Assignee:			
Category:	Parts		
Target version:			
Version:	1.0.5	Language:	English (US)
Platform:	Win64	Mod Related:	No
Expansion:			

Description

While working on a spacecraft, i noticed a strange behavior of passive radiator panels: All passive radiator panels are pulling heat from a heatsource no matter where the panels are placed on the craft. They are working like the active panels, but without EC consumption and without the need to activate them.

I talked with RoverDude during a Twitch stream and he explained, that the passive radiator panels should only pull heat from its parent part and silblings. But this not the case.

I have build a testrig to confirm the strange new behavior of the passive radiator panels.

I used 3 Mainsail engines for (massive) heatgeneration. The X200 fueltanks are used to create many parts inbetween the radiator stacks. Largest fueltanks as fuelreserve for teh test. On top of the testrig is a fairing with passive radiator panels too.

the test:

Steam version of the game
Windows 7 x64
KSP Version 1.0.5.1028
New Save game
no mods

[870067img](http://imgur.com/a/1SiJC)

imguralbum with more details:
<http://imgur.com/a/1SiJC>

History

#1 - 12/04/2015 02:25 PM - Darth_Lazarus

download for th craftfile:

<http://www.mediafire.com/download/1ogsboompdxdt6bj/Static+Radiators+Heating+Testrig.craft>

#2 - 12/04/2015 02:45 PM - Azimech

- Status changed from New to Confirmed

- % Done changed from 0 to 10

Confirmed, but also fluctuating numbers during flight.

Craft file:

<http://kerbalx.com/Azimech/77I--CBHC1-Naval-Heavy-STOL>

Second picture in that album show red radiator panels on the nose, and it depends on heat production by the Goliath's.

#3 - 12/08/2015 03:21 PM - Squelch

- File #6010-Static Radiators Heating Testrig.craft added

- Description updated

Thank you for reporting this. Passive radiators should only draw heat from the parent part, and its children. The images and craft indicate that the heat is being drawn from much further away.

I have taken the liberty of fixing up the imgur links, and adding your craft to the issue. Images and files can be hosted on this tracker for your information by using the "Choose files" button, or simply dragging files over the issue text.

#4 - 12/08/2015 04:07 PM - Squelch

- File deleted (#6010-Static Radiators Heating Testrig.craft)

#5 - 12/08/2015 04:07 PM - Squelch

- File #6009-Static Radiators Heating Testrig.craft added

Incorrectly named file. Fixed

#7 - 07/17/2016 09:41 AM - TriggerAu

- Status changed from Confirmed to Needs Clarification

- % Done changed from 10 to 0

#8 - 07/18/2016 11:45 AM - Darth_Lazarus

- Status changed from Needs Clarification to Updated

- % Done changed from 0 to 10

testet it again with my old testrig. static radiators are working as intended now. Only the ones near the heat source got heated, even if all were activated.

bug is fixed.

#9 - 07/18/2016 12:15 PM - TriggerAu

- Status changed from Updated to Closed

- % Done changed from 10 to 100

thanks Darth_Lazarus (nice nick :)

Files

#6009-Static Radiators Heating Testrig.craft	112 KB	12/08/2015	Squelch
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