

## Kerbal Space Program - Bug #26858

### BZ-52 Point causes physics issue with docking points and decouplers

12/17/2020 11:28 PM - Wombats

<b>Status:</b>	New	<b>Start date:</b>	12/17/2020
<b>Severity:</b>	Low	<b>% Done:</b>	0%
<b>Assignee:</b>			
<b>Category:</b>	Physics		
<b>Target version:</b>			
<b>Version:</b>	1.11.0	<b>Language:</b>	English (US)
<b>Platform:</b>	Windows	<b>Mod Related:</b>	No
<b>Expansion:</b>	Breaking Ground, Core Game, Making History		

#### Description

Save files: <https://www.youtube.com/playlist?list=PLIW6vwwZlxAcUd5jzTxn4CYDAY3AT0p1T>

I originally found this bug before 1.11.0, but I reproduced it on 1.11.0.3045.

When decoupling a part or undocking, the BZ-52 seems to bug out and cause parts of a spacecraft to lose all gravity effects. In some cases it causes docking ports to behave as if they are still docked even after undocking.

Video playlist:

<https://www.youtube.com/playlist?list=PLIW6vwwZlxAcUd5jzTxn4CYDAY3AT0p1T>

The first two videos show the docking ports bugging out when detaching. The first two videos are reproducible only after attaching 2-3 cars to the lander can. The save file should have all the components necessary to reproduce this.

After the 1.11.0 update, I decided to try and roll back to before my spacecraft even landed. I hoped that maybe rolling all the way back would reset the environment and prevent the bug. Instead, I found a similar bug where detaching platforms while the dropship is landing will cause the cars to freeze in mid air and lose all gravity effects.

I suspect this issue is partially caused by the fact that I have BZ-52 points embedded within the middle of each car. I did that to facilitate mounting to the landing modules, but if there is a superior way to accomplish this mounting I would love to know about it. It wasn't a problem until recently. Again, I started experiencing this bug a couple days before 1.11.0.

#### History

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Save files are here: [https://drive.google.com/file/d/1NVEEgLfREhgckLR1\\_jeCRahcVGrQ1Ooi/view?usp=sharing](https://drive.google.com/file/d/1NVEEgLfREhgckLR1_jeCRahcVGrQ1Ooi/view?usp=sharing)