

## Kerbal Space Program - Bug #24945

### Mk2 Drone Core is causing massive drag to the part behind it. (pre 1.9 origin)

03/01/2020 05:06 AM - Anth12

<b>Status:</b>	Resolved	<b>Start date:</b>	03/01/2020
<b>Severity:</b>	Low	<b>% Done:</b>	100%
<b>Assignee:</b>			
<b>Category:</b>	Parts		
<b>Target version:</b>	1.10.0		
<b>Version:</b>	1.9.1	<b>Language:</b>	English (US)
<b>Platform:</b>	Windows	<b>Mod Related:</b>	No
<b>Expansion:</b>	Core Game		

#### Description

Important information:

I believe this issue has been around for a while. Someone on twitch told me about it.

Pictures show massive drag if the mk2 Drone Core is a part of the vessel compared to if it isnt.

#### History

##### #1 - 03/01/2020 05:07 AM - Anth12

- Subject changed from Mk2 Drone Core is causing massive drag to the part behind it. (pre 1.9) to Mk2 Drone Core is causing massive drag to the part behind it. (pre 1.9 origin)

##### #3 - 03/04/2020 06:23 PM - rachel.britton

- Status changed from New to Confirmed

- % Done changed from 0 to 10

##### #4 - 03/08/2020 01:54 AM - Anonymous

This problem exists in version 1.3.1, and probably since the beginning of the 1.05 drag model. The mk2 drone core has holes that extend from front to back, so KSP treats it like smaller-cross-sectional-area part in the stack of other mk2 parts.

One workaround is to change two 2.0-m<sup>2</sup> areas into 2.5-m<sup>2</sup> areas like the other mk2 parts with a Module Manager patch:

```
@PART[mk2DroneCore] {
DRAG_CUBE {
cube = Default, 0.378,0.565,1.355, 0.378,0.565,1.355, 2.495,0.963,0.212, 2.495,0.963,0.212, 0.610,0.901,0.7, 0.610,0.901,0.7, 0,0,0, 2.5,0.25,1.5
}}
```

##### #5 - 07/06/2020 03:13 PM - victorr

- Status changed from Confirmed to Ready to Test

- Target version set to 1.10.0

- % Done changed from 10 to 80

We've made some changes in this latest version and would like some feedback on this issue.

##### #6 - 07/06/2020 05:54 PM - Anonymous

- Status changed from Ready to Test to Resolved

- % Done changed from 80 to 100

##### #7 - 07/06/2020 11:16 PM - Anth12

Agreed. Good work guys

#### Files

mk2 drone core.png	2.54 MB	03/01/2020	Anth12
No mk2 drone core.png	2.32 MB	03/01/2020	Anth12

No mk2 Drone Core.craft  
mk2 Drone Core.craft

51.8 KB  
55 KB

03/01/2020  
03/01/2020

Anth12  
Anth12