

## Kerbal Space Program - Bug #27056

### building fairing at middle of rocket at gap has aerodynamic misbehavior.

01/15/2021 02:16 PM - jukkamuhonen@hotmail.com

|                        |  |                     |              |
|------------------------|--|---------------------|--------------|
| <b>Status:</b>         | New  | <b>Start date:</b>  | 01/15/2021   |
| <b>Severity:</b>       | Low  | <b>% Done:</b>      | 0%           |
| <b>Assignee:</b>       |  |                     |              |
| <b>Category:</b>       | Aerodynamics                               |                     |              |
| <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

When you have gap at middle of rocket, you try to build fairing over that gap this happens:

if you build fairing straight to upper part of gap, you get lot more air resistance than closing fairing and then attach upper part of rocket.

So it seems that if you build fairing to upper part, upper part still gets full air resistance like it had gap behind of it.

At picture you see highest achieved altitude and structure type, you see that straight fairing which should be one of most optimal, is actually worst design in-game.

#### History

##### #1 - 01/15/2021 02:20 PM - jukkamuhonen@hotmail.com

- File 20210115161849\_1.jpg added

Added picture of gap without fairing and aerodynamics, so easier to understand what i mean with gap.

##### #2 - 01/15/2021 02:24 PM - jukkamuhonen@hotmail.com

- File 20210115162314\_1.jpg added

Added one more style

##### #3 - 01/15/2021 02:35 PM - jukkamuhonen@hotmail.com

- File 20210115163504\_1.jpg added

##### #4 - 01/15/2021 02:55 PM - jukkamuhonen@hotmail.com

- Subject changed from building fairing at middle of rocket at gap have misbehavior. to building fairing at middle of rocket at gap has aerodynamic misbehavior.

#### Files

| File Name            | Size   | Date       | Author                   |
|----------------------|--------|------------|--------------------------|
| 20210115160351_1.jpg | 167 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115160558_1.jpg | 188 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115160705_1.jpg | 196 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115160811_1.jpg | 183 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115161849_1.jpg | 339 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115162314_1.jpg | 187 KB | 01/15/2021 | jukkamuhonen@hotmail.com |
| 20210115163504_1.jpg | 181 KB | 01/15/2021 | jukkamuhonen@hotmail.com |