

Kerbal Space Program - Bug #20750

New DeltaV system and stages are working incorrectly when changing root parts.

12/23/2018 12:47 AM - Anth12

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|---|---------------------------|---------------------|--------------|
| Status: | Not a Bug | Start date: | 12/23/2018 |
| Severity: | Low | % Done: | 0% |
| Assignee: | | | |
| Category: | Application | | |
| Target version: | | | |
| Version: | 1.6.0 | Language: | English (US) |
| Platform: | Windows | Mod Related: | No |
| Expansion: | Core Game, Making History | | |
| Description | | | |
| Steam 1.6.0.2395 MH 1.6.0 | | | |
| If I move the root part down into other stages the deltav stops calculating other stages. | | | |
| The screenshots show the deltav calculations missing on the right. | | | |
| Crafts relate to each of the screenshots. | | | |

History

#1 - 12/23/2018 08:50 AM - Anonymous

The mods that we have used before KSP had a delta-V calculator, Basic Delta-V and KER, behaved the same way. They assume that the payload is the root part and tell you how much you can accelerate that payload.

Drop-tanks and daughter-ships are things that might be decoupled after starting the last engine to accelerate the payload, and so these things appear higher in staging than payload.

I cannot think of any argument that this is the only way to handle a changing root part, but it been done this way before.

#2 - 01/03/2019 07:31 AM - diomedea

- File screenshot3179.png added

- Category changed from Controls and UI to Application

- Status changed from New to Not a Bug

Works exactly as intended. The root part determines what stays with the vessel after stages are detached; Delta-V is computed for the vessel, not other detached parts. What stages are beyond the root part are considered payload: Delta-V Info shows the routine accounting them as such and therefore not including Delta-V for those stages with the vessel Delta-V.

#3 - 01/04/2019 06:11 AM - Anth12

Cool. Thanks for the clarification

Files

| | | | |
|-------------------------------------|---------|------------|----------|
| Top Root Part.png | 2.64 MB | 12/23/2018 | Anth12 |
| Middle Root Part.png | 2.64 MB | 12/23/2018 | Anth12 |
| Bottom Root Part.png | 2.64 MB | 12/23/2018 | Anth12 |
| Root Part Delta V Test Top.craft | 29.4 KB | 12/23/2018 | Anth12 |
| Root Part Delta V Test Middle.craft | 29.4 KB | 12/23/2018 | Anth12 |
| Root Part Delta V Test Bottom.craft | 29.4 KB | 12/23/2018 | Anth12 |
| screenshot3179.png | 1.32 MB | 01/03/2019 | diomedea |