Kerbal Space Program - Bug #25548

Same vessel docking ports dock misaligned and can only be manually undocked

06/07/2020 09:48 AM - jayvey

Status:	New		**Start date:**	06/07/2020
Severity:	Low		**% Done:**	0%
Assignee:				
Category:	Docking			
Target version:				
Version:	1.9.1		**Language:**	English (US)
Platform:	Windows		**Mod Related:**	No
Expansion:	Breaking Ground, Core Game, Making History			

Description

Related to: #24435**--> Solved**

Undocking/uncoupling is different for same vessel interactions and seperate vessels interactions. There are two issues when using (robotic) parts to manually attach structures to docking ports:

1) The docking ports don't align properly
2) Same vessel undocking/uncoupling can't be controlled with action groups and the KAL-1000 controller where as seperate vessel docking ports can be (#24435) **--> Solved**

To replicate:
1) Use attached .craft file for a test setup
2) Launch and play controller sequence and wait for it to dock
3) Manually undock docked ports (since controller won't)
4) Manually set target angles of other docking attachements and dock/undock with docking port on command probe

Results:
- The undock/decouple action in the controller will undock the fuel tank as seperate vessel
- The undock/decouple action in the controller will <u>not</u> undock the two same vessel docking ports **--> Solved**

- Docked/coupled docking ports will not be properly aligned, its docked either at an offset and/or at an angle
- When you manually undock the ports the undocked ports will move into the desired position even with same vessel interaction on, be it undocked

Desired behaviour:
1) Undocking/uncoupling of same vessel docking ports can be controlled with the KAL-1000 controller and/or action groups **--> Solved**
2) Docking ports align properly and not at an angle or offset

History

#1 - 08/21/2020 02:17 PM - jayvey

- Description updated

Issue #24435 appears to be solved, so then this issue boils down to the same vessel docking ports not being alighned properly affter being docked.

Files

2 - after playing sequence.jpg	309 KB	06/07/2020		jayvey
1 - testsetup.jpg	334 KB	06/07/2020		jayvey
4 - alignment hydraulic cylinder.jpg	281 KB	06/07/2020		jayvey
3 - alignment after sequence.jpg	314 KB	06/07/2020		jayvey
6 - alignment servo.jpg	246 KB	06/07/2020		jayvey
7 - alignment hinge.jpg	399 KB	06/07/2020		jayvey
5 - alignment hydraulic cylinder after undocking.jpg	279 KB	06/07/2020		jayvey
test-setup.craft	90.3 KB	06/07/2020		jayvey