

Test case v.0.1

Test case Number	Test case Name	Test case Objective	Preconditions	Test scripts steps	Expected result	Actual result	comments
1.	Start the motors	User starts the motors	Motors are turned off	1. The user sends the startMotors() function the motors.	The pulse for all the motors should be set to 62.	Pass	
2.	Increase speed	Increase the speed for a specific motor.	Motors have been started and rotating with pulse 62.	1. The motor control receives the increase motor pulse message. 2. Calls the increase motor pulse which increases the speed and returns the new pulse.	The pulse is set to 65 and returns the new pulse.	Pass	
3.	Increase speed X2	Increase the speed for a specific motor with the double amount from normal one.	Motors have been started and rotating with pulse 65.	1. The motor control receives the increase motor pulse X2 message. 2. Calls the increase motor pulse X2 which increases the speed and returns the new pulse.	The pulse is set to 71 and returns the new pulse.	Pass	
4.	Decrease speed	Decrease the speed for a specific motor.	Motors have been started and rotating with pulse 71.	1. The motor control receives the decrease motor pulse message. 2. Calls the decrease motor pulse which decreases the speed and returns the new pulse.	The pulse is set to 68 and returns the new pulse.	Pass	

5.	Decrease speed X2	Decrease the speed for a specific motor.	Motors have been started and rotating with pulse 68.	1. The motor control receives the decrease motor pulse X2 message. 2. Calls the decrease motor pulse X2 which decreases the speed and returns the new pulse.	The pulse is set to 62 and returns the new pulse.	Pass	
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