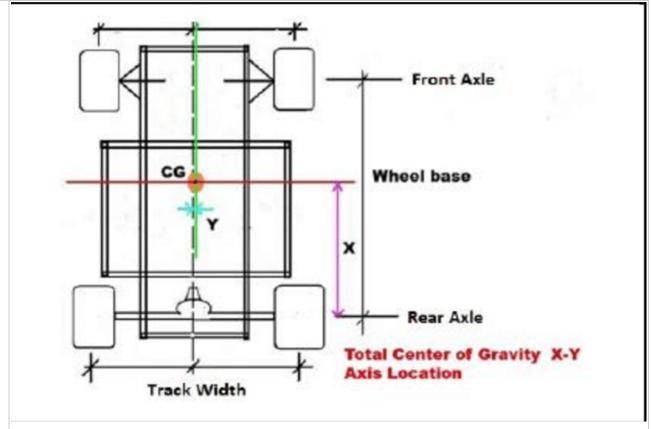
[WLRP-264] Phase 1 Frame Dimension and Specification Created: 30/Mar/23 Updated: 31/Mar/23 Resolved: 31/Mar/23			
Status:	Done		
Project:	Wireless Lawn Robot Pi		
Components:	Firmware, Mechanical		
Affects versions:	None		
Fix versions:	Phase 1		

Type:	Task	Priority:	High		
Reporter:	Samson Chau	Assignee:	star		
Resolution:	Done	Votes:	0		
Labels:	None				
Remaining Estimate:	Not Specified				
Time Spent:	Not Specified				
Original estimate:	Not Specified				

Environment:



Parameter	Value	Unit
Chassis Size (Top Platform)	L540 X W320	mm
Wheel Position of the Joint relative to top left corner (0,0) present at XY coordination system when fully compress on a flat ground	Joint FL: (-59.6, -60) Joint FR: (379.6, -60) Joint RL: (-59.6, -480) Joint RR: (379.6, -480)	mm
Ground Clearance when Suspension fully compress on a flat surface (Platform to ground)	197.5	mm
Ground Clearance when Suspension fully expend on a flat surface	297.5	mm
Wheel radius with Tire	98.5	mm
Steering ARM Rotation Radius	111	mm

Steering Angle Range(MAX)	0 <ss<135< th=""><th>deg</th></ss<135<>	deg
Suspension Travel Range(MAX)	0 <td<100 0<ts<91.17< td=""><td>mm deg</td></ts<91.17<></td<100 	mm deg
Suspension ARM Rotation Radius	70	mm
Track Width (Static)	438.8	mm
Track Width (Range)	438.8	mm
Wheel Base (Static)	420	mm
Wheel Base (Range)	377.8<420	mm
Operation Temperature (Max)	50	С

Attachments:	image-20230330-022803.png				
Issue links:	Relates				
	relates to	WLRP-261	Active suspension controller Firmware	In Review	
Epic Link:	Firmware Phase 1				
Sprint:	WLRP Sprint 23				
Acceptance Criteria:	Fill the parameter in the Table				

Description

Provide the basic information of the phase 1 chassis, for control kinematics and active suspension control.

Comments

Comment by star [31/Mar/23]

uploaded Samson Chau plz review

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