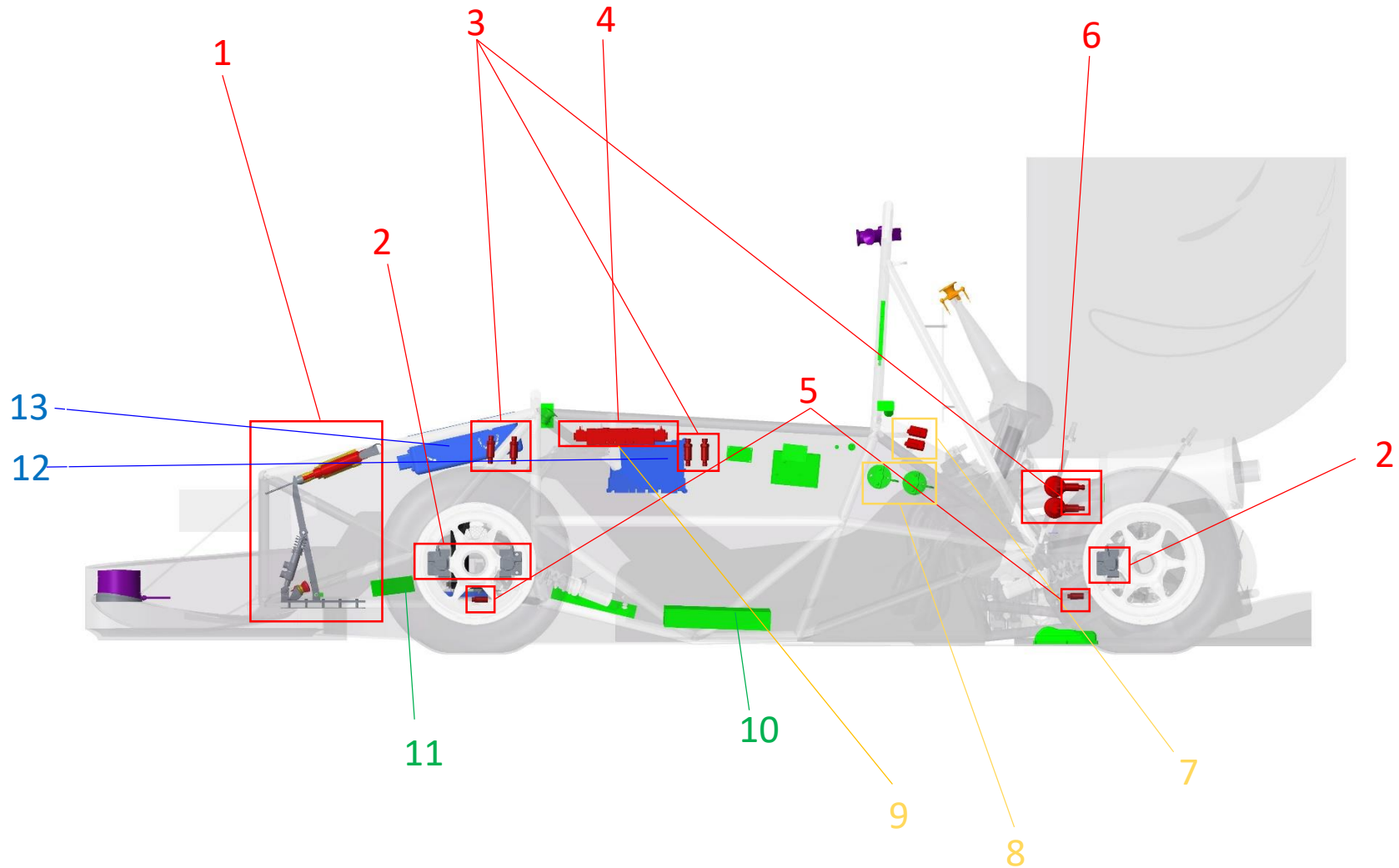


EBS: Vehicle overview

Car: 560 | Team: Formula Student Team Weingarten Driverless | University: UAS Ravensburg Weingarten | Version 1.1

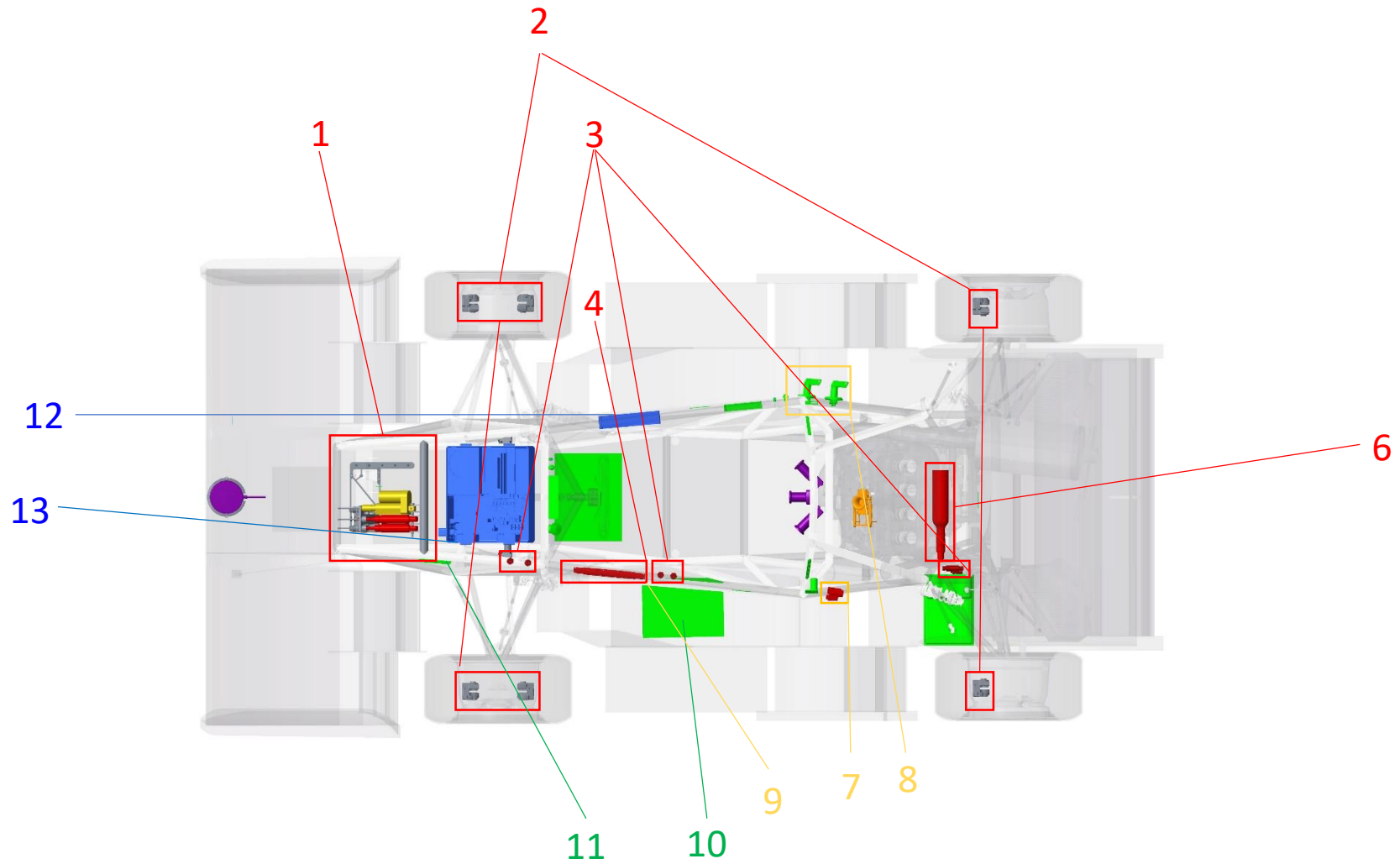
Side View:



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Top View:



EBS: Vehicle overview

Car: 560 | Team: Formula Student Team Weingarten Driverless | University: UAS Ravensburg Weingarten | Version 1.1

Table:

Mark / No	Name (description)	References
1	Pedal box assembly (in red: EBS actuators, in yellow: Service brake; in grey: pedal box)	AIR: Festo-ESNU-25-25-P Mechanical parts.pdf , V1.1, p.2- 16, (MM1 & MM2)
2	Brake calipers	ISR 22-049 Hydraulic & pneumatic systems.pdf, v1.1,p. 2, (MM4 – MM8)
3	EBS pressure sensor	AIR: Autosen AP016 Hydraulic & pneumatic systems v1.1.pdf, p. 2, (BP1 – BP6) Operation diagramm.pdf;V2 ; p. 1,3-6; (BP1 – BP6) Electrical wiring diagram.pdf,V2, p. 1, (BP1 – BP6) Schematics of hard wired EBS logic and supervisor.pdf;V2; p. 4 & 6; (BP1 – BP6)
4	EBS activation valve	AIR: Festo - VUVS-L20-M32U-MD-G18-U5-F7-5C1 Hydraulic & pneumatic systems .pdf;V1.1 ;p. 2 ; (QM3 & QM4) Operation diagramm.pdf;V2 ; p. 1,3-6; (QM3 & QM4)) Electrical wiring diagram.pdf; V2; p. 1, (QM3 & QM4)
5	Brake pressure sensors	AIR: ADZ Nagano pressure transmitter SME Hydraulic & pneumatic systems.pdf;V1.1 ;p. 2; (BP7 & BP8) Operation diagramm.pdf; V2; p. 1,4-6; (BP7 & BP8) Electrical wiring diagram.pdf; V2; p. 1; (BP7 & BP8)

EBS: Vehicle overview

Car: 560 | Team: Formula Student Team Weingarten Driverless | University: UAS Ravensburg Weingarten | Version 1.1

6	EBS pressure tank group	-
6.1	EBS pressure tank	AIR: ProToyz 13ci/0,2l 200 bar HP-System Hydraulic & pneumatic systems.pdf; V1.1; p. 2, (CM1 & CM2) Operation diagramm.pdf; V2; p. 1,3,6; (CM1 & CM2)
6.2	EBS pressure regulator 1st stage 200bar to 60bar	AIR: ProToyz HP Regulator Hydraulic & pneumatic systems.pdf; V1.1; p. 2, (QN1 & QN2)
6.3	EBS pressure regulator 2nd stage 60bar to 10bar	AIR: verstellbarer Präzisionsregulator für HP-Systeme Hydraulic & pneumatic systems.pdf; V1.1; p. 2, (QN3 & QN4)
7	EBS deactivation manual valve	AIR: Landefeld Messing-Minikugelhahn Hydraulic & pneumatic systems.pdf; V1.1; p. 2, (QM1 & QM2) Operation diagramm.pdf; V2; p. 1,3; (QM1 & QM2)
8	ASMS & LVMS group	-
8.1	ASMS	Operation diagramm.pdf; V2; p. 3 (ASMS) Electrical wiring diagram.pdf; V2; p. 1 (ASMS)
8.2	LVMS	Operation diagramm.pdf; V2; p. 3 (LVMS) Electrical wiring diagram.pdf; V2; p. 1 (LVMS)

EBS: Vehicle overview

Car: 560 | Team: Formula Student Team Weingarten Driverless | University: UAS Ravensburg Weingarten | Version 1.1

9	EBS manual pressure release button	AIR part: Festo - VUVS-L20-M32U-MD-G18-U5-F7-5C1 Operation diagramm.pdf; V2; p. 3
10	Engine Control Unit	Bosch MS6 Operation diagramm.pdf; V2; p. 2
11	EBS Control Unit	Operation diagramm.pdf; V2; p. 1 Electrical wiring diagram.pdf; V2; p. 1 Schematics of hard wired EBS logic and supervisor.pdf, V2; p. 1-6,
12	RES	Operation diagramm.pdf; V2; p. 1, 6 Electrical wiring diagram.pdf;V2 ;p. 1
13	MACU	Electrical wiring diagram.pdf; V2; p. 1