

Finance Review

BAJA SAE 2025-2026

December 11, 2025



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Mechanical Engineering
UNIVERSITY OF COLORADO **BOULDER**



dc | DESIGN CENTER
COLORADO

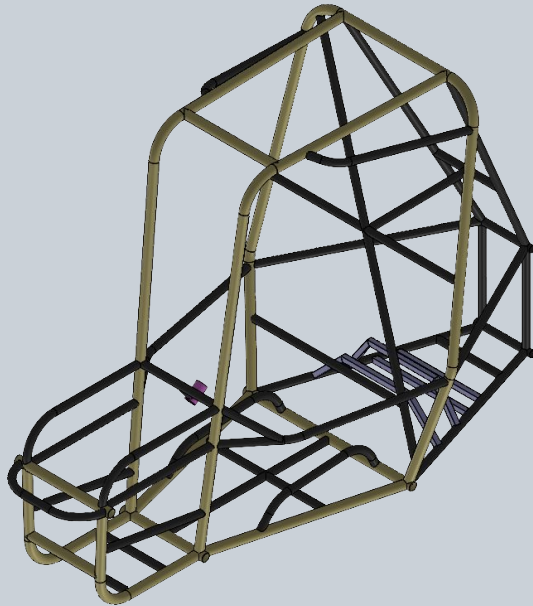
Project Overview

2

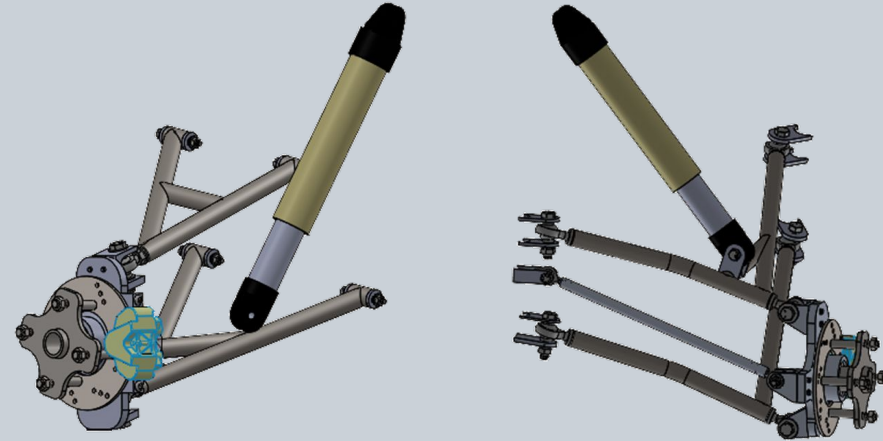


Our Project: Manufacturing

Chassis

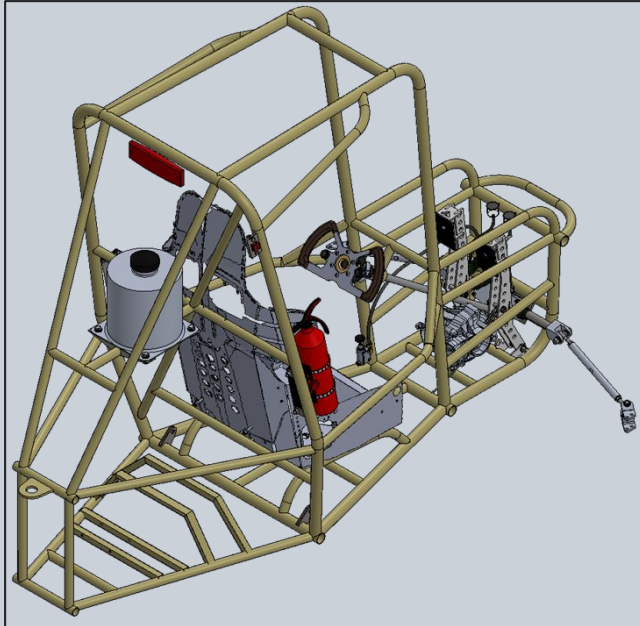


Suspension

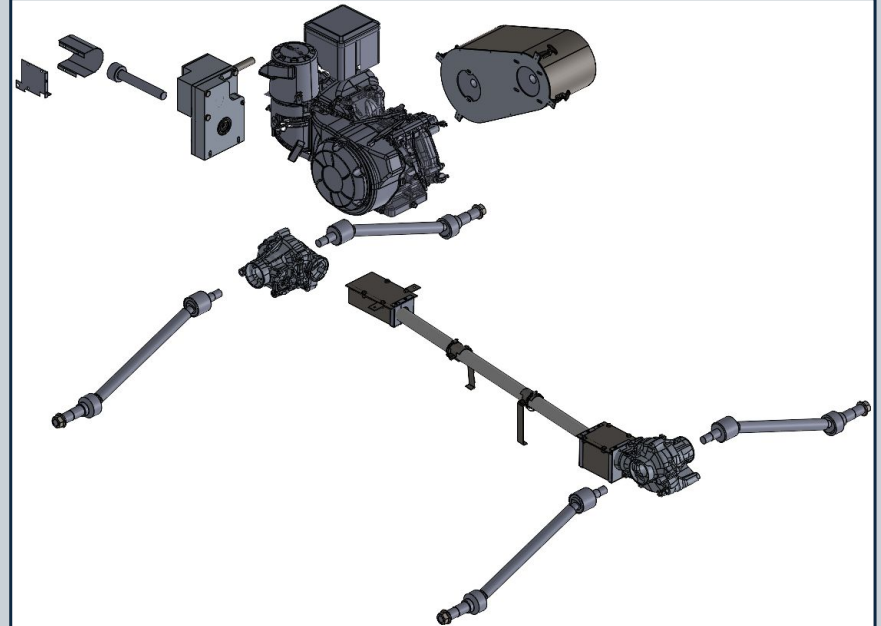


Our Project: Manufacturing

Controls

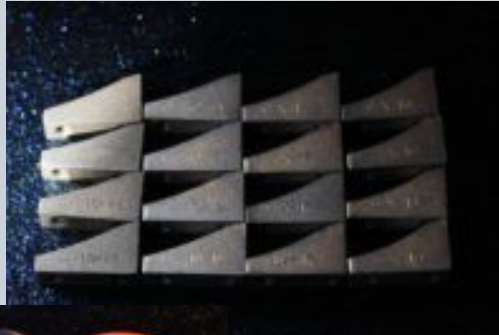


Drivetrain



Our Project: Testing, Competition, Travel

Testing



Competition



Budget					6
Manufacturing					
Chassis	Controls	Drivetrain	Suspension		
\$546.81 - Expected EMJ sponsorship \$2340.07- No EMJ support	\$832.22 - expected EMJ sponsorship \$885.94 - no EMJ support	\$1,245.03 - expected EMJ, SKF, VDH sponsorship \$3,184.70 - no EMJ or SKF support \$3,604.43 - no support	\$1,226.60 - expected sponsorship contributions included \$1,445.63 - no EMJ or SKF support		
Competition / Travel / Expo					
Testing	Comp Registration	Travel and Housing	Expo		
\$13.37*	\$1850	\$6,360.04	\$150		
	Color	Meaning			
		on hand or donated, cost will be zero			
		expected discount, cost will be reduced			
		expected donation or sponsor item, cost should be zero			
		shipping information not discoverable without full purchase			
		Second Check / Extenuating circumstance / part overlap			

Budget : Internal Part No. Guide					7
Number	C, Chassis	D, Drivetrain	S, Suspension	B, Brakes/Controls	
0	Fasteners	Fasteners	Fasteners	Fasteners	
1	Main Frame	Engine & CVT	Front Shocks/Shock Brackets	Brakes	
2	Panels & Plates	Transfer Case	Front Arms & Rods	Lines & Cylinders	
3	Seat	Driveshafts	Front Knuckles	Pedals	
4	Accessories	Differentials	Rear Shocks/shock brackets	Steering	
5	Safety	Shafts	Rear Arms & Rods	Throttle	
6	Mounting Tabs	Covers	Rear Knuckles	Wiring	
8	Other	Other	Other	Fuel System	
9	Drawings	Drawings	Drawings	Drawings	
99	Concept	Concept	Concept	Concept	

Budget: Manufacturing - Chassis 1-8 / 12								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
1	L angle 1.25x1.25x0.125	C1	metalsupermarkets scrap	n/a	1	\$20.00	\$ -	\$20.00
2	Al RND TUBE 1.5 OD x 0.094 Wall	C8	metalsupermarkets scrap	n/a	1	\$9.50	\$ -	\$9.50
3	Al RND TUBE 1 OD x 0.049 Wall	C1	EMJ Metals	n/a	6	\$112.00	\$ -	\$672.00
4	Al RND TUBE 1.25 OD x 0.063 Wall	C1	EMJ Metals	n/a	4	\$130.00	\$ -	\$520.00
5	Al TUBE 0.75 SQR x 0.049 WALL	C1	EMJ Metals	n/a	1	\$207.00	\$ -	\$207.00
6	Al RND TUBE 1 OD x 0.058 Wall	C1	EMJ Metals	n/a	1	\$190.00	\$ -	\$190.00
7	Front thick skidplate material	C2	EMJ Metals	n/a	1	\$104.26	\$ -	\$104.26
8	Thin skidplate/firewall material	C2	EMJ Metals	n/a	1	\$100.00	\$ -	\$100.00

Budget: Manufacturing - Chassis 9-12 / 12⁹

Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
9	Threaded rivnuts/trick tabs/fasteners (kit)	C0/C6	Amazon	n/a	1	\$150.00	\$ -	\$150.00
10	Quick release pushbuttons	C0	Amazon	n/a	1	\$10.00	\$6.99	\$16.99
11	Quick release tabs	C6	Ebay	n/a	1	\$50.00	\$6.50	\$56.50
12	Body panel material	C2	ePlastics	n/a	1	\$40.27	\$253.55	\$293.82

Chassis Total
\$546.81 - Expected EMJ sponsorship
\$2340.07- No EMJ support

Budget: Manufacturing - Controls 1-9 / 70								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
1	Brake Hose Fitting	B3	Tilton	77-015	2	\$17.00	\$-	\$34.00
2	Tilton Brake Cylinder	B3	Tilton	78-625	0	On Hand	\$-	\$0.00
3	Throttle Pedal Barrel Adjuster Plate (1/2" 6061 Billet)	B5	Storage / EMJ	N/A	0	On Hand	\$-	\$0.00
4	3/4" Aluminum Round Bar 6061-T6 for toe rod	S5	EMJ	T611 .075	1	\$29.19	\$-	\$29.19
5	Gas Tank Mounting Brackets 1-¼ X 0.063 X 2ft 4130 SQR tubing	B8	EMJ	N/A	1	24.53	\$-	\$24.53
6	Precision Compression Fitting for Copper Tube	B3	McMaster-Carr	7473T56	1	\$14.60	\$-	\$14.60
7	Black-Oxide Alloy Steel Socket Head Screw	B0-3	McMaster-Carr	90044A534	1	\$20.05	\$-	\$20.05
8	Aluminum Pedal Spacer (5/8" OD, 3/8" ID)- 1ft	B0-3	McMaster-Carr	9390N16	1	\$16.71	\$-	\$16.71
9	Ultra-Corrosion-Resistant Stainless Steel Ball Bearing	B3/B5	McMaster-Carr	5908K14	4	\$39.19	\$-	\$156.76

Budget: Manufacturing - Controls 10-18 / 70								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
10	High-Strength Steel Nylon-Insert Locknut	B0-3/4/5	McMaster-Carr	90630A155	1	\$4.68	\$-	\$4.68
11	Black-Oxide Alloy Steel Socket Head Screw	B0-3	McMaster-Carr	91251A473	1	\$12.66	\$-	\$12.66
12	Ball Joint Rod End, 3/8"-24 RH Thread	B0-3	McMaster-Carr	60645K341	2	\$4.40	\$-	\$8.80
13	Passivated 18-8 Stainless Steel Pan Head Phillips Screw	B0-3	McMaster-Carr	91772A535	1	\$9.24	\$-	\$9.24
14	High-Strength Steel Nylon-Insert Locknut	B0-4	McMaster-Carr	97135A414	1	\$4.76	\$-	\$4.76
15	Swivel Joint	B4	McMaster-Carr	63195K25	1	\$61.18	\$-	\$61.18
16	18-8 Stainless Steel Washer	B0-4	McMaster-Carr	92141A228	1	\$9.69	\$-	\$9.69
17	Zinc Yellow-Chromate Plated Hex Head Screw	B0-4	McMaster-Carr	92620A659	4	\$6.10	\$-	\$24.40
18	Black-Oxide Alloy Steel Socket Head Screw	B0-4	McMaster-Carr	91251A540	1	\$11.38	\$-	\$11.38

Budget: Manufacturing - Controls 19-27 / 70								12
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
19	18-8 Stainless Steel Mil. Spec. Washer	B0-3/5	McMaster-Carr	98017A199	1	\$12.42	\$-	\$12.42
20	18-8 Stainless Steel Washer	B0-3/5	McMaster-Carr	98370A019	1	\$7.96	\$-	\$7.96
21	18-8 Stainless Steel Washer	B0-3/5	McMaster-Carr	93475A280	1	\$10.83	\$-	\$10.83
22	High-Strength Steel Nylon-Insert Locknut	B0-3/5	McMaster-Carr	94645A112	1	\$10.47	\$-	\$10.47
23	Medium-Strength Steel Thin Hex Nut	B0-3/5	McMaster-Carr	94846A206	1	\$5.12	\$-	\$5.12
24	Spring-Tempered Steel Extension Springs	B5	McMaster-Carr	9628K31	1	\$3.67	\$-	\$3.67
25	High-Strength Class 10.9 Steel Hex Head Screw	B0-5	McMaster-Carr	91310A134	1	\$13.11	\$-	\$13.11
26	Black-Oxide Alloy Steel Socket Head Screw	B0-5	McMaster-Carr	90044A159	1	\$18.85	\$-	\$18.85
27	Zinc Yellow-Chromate Plated Hex Head Screw	B0-5	McMaster-Carr	91257A660	0	\$12.36	\$-	\$0.00

Budget: Manufacturing - Controls 28-36 / 70								13
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
28	Black-Oxide Alloy Steel Socket Head Screw	B0-5	McMaster-Carr	90044A127	1	\$16.85	\$-	\$16.85
29	Steering Gear Rack	B4	McMaster-Carr	2932N1	1	\$67.42	\$-	\$67.42
30	1/4-20 X .75" Button Head Hex Drive Screw	B0-4	McMaster-Carr	92949A540	1	\$8.31	\$-	\$8.31
31	Steel Serrated Flange Locknut	B0-4	McMaster-Carr	99904A138	1	\$15.87	\$-	\$15.87
32	Oil-Embedded Sleeve Bearing	B4	McMaster-Carr	1677K385	2	\$11.60	\$-	\$23.20
33	Permanently Lubricated Ball Bearing	B4	McMaster-Carr	2342K168	2	\$27.17	\$-	\$54.34
34	Alloy Steel Cup-Point Set Screw	B0-4	McMaster-Carr	91375A535	1	\$11.74	\$-	\$11.74
35	Super-Swivel Ball Joint Rod End - LH	B0-4	McMaster-Carr	6960T231	1	\$13.74	\$-	\$13.74
36	Pinion Gear	B4	McMaster-Carr	5172T23	1	\$80.48	\$-	\$80.48

Budget: Manufacturing - Controls 37-45 / 70								14
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
37	Super-Swivel Ball Joint Rod End - RH	B0-4	McMaster-Carr	6960T231	1	\$13.74	\$-	\$13.74
38	Santoprene Sealing Washer	B0-8	McMaster-Carr	94733A723	1	13.97	\$-	\$13.97
39	ZincPlated Steel SAE Washer	B0-8	McMaster-Carr	90126A208	1	9.49	\$-	\$9.49
40	Medium-Strength Steel Nylin-Insert Locknut	B0-8	McMaster-Carr	95615A150	1	13.71	\$-	\$13.71
41	Medium-Strength Grade 5 Steel Hex Head Screw	B0-8	McMaster-Carr	92865A215	1	18.02	\$-	\$18.02
42	Yor-Lok Fitting for Stainless Steel Tubing	B0-3	McMaster-Carr	5182K123	0	On Hand	\$-	\$0.00
43	Stock (4130 Sheet Steel, 1/4", Normalized)	B3	Storage	N/A	0	On Hand	\$-	\$0.00
44	Stock (4130 Sheet Steel, 1/8", Normalized)	B3	Storage	N/A	0	On Hand	\$-	\$0.00
45	Brembo Brake Reservoir	B3	STG	N/A	0	On Hand	\$-	\$0.00

Budget: Manufacturing - Controls 46-54 / 70								15
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
46	Brake Lines	B3	Autozone	50057	0	On Hand	\$-	\$0.00
47	Braided Brake Lines	B3	HEL Performance	N/A	0	On Hand	\$-	\$0.00
48	Brake Hose Pressure Sensor	B3	Wilwood	300-11181	0	On Hand	\$-	\$0.00
50	Triton Proportioning Valve	B3	Wilwood	260-10922	0	On Hand	\$-	\$0.00
51	Stock (4130 Sheet Steel, 1/4", Normalized)	B5	Storage	N/A	0	On Hand	\$-	\$0.00
52	Stock (4130 Sheet Steel, 1/8", Normalized)	B5	Storage	N/A	0	On Hand	\$-	\$0.00
53	Throttle Cable Housing	B5	Storage	N/A	0	On Hand	\$-	\$0.00
49	Barrel Adjuster	B5	Storage	N/A	0	On Hand	\$-	\$0.00
54	Steering Column	B4	Storage	4407	0	On Hand	\$-	\$0.00

Budget: Manufacturing - Controls 55-63 / 70								16
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
55	Key for Steering Rod Inserts	B4	Storage	4411	0	On Hand	\$-	\$0.00
56	Quick Release Steering Wheel Mount	B4	Storage	N/A	0	On Hand	\$-	\$0.00
57	Steering Rod Insert (4406A)	B4	Storage	4406A	0	On Hand	\$-	\$0.00
58	Quick Release Coupler	B4	Storage	N/A	0	On Hand	\$-	\$0.00
59	Steering Wheel Quick Release Mounting Adapter	B4	Storage	4404	0	On Hand	\$-	\$0.00
60	Steering Wheel	B4	Storage	4403	0	On Hand	\$-	\$0.00
61	Steering Rack Knuckles	B4	Storage	4401	0	On Hand	\$-	\$0.00
62	Steering Rack Housing	B4	Storage	4409	0	On Hand	\$-	\$0.00
63	Steering Rod Insert (4406B)	B4	Storage	4406B	0	On Hand	\$-	\$0.00

Budget: Manufacturing - Controls 64-70 / 70

<u>Item #</u>	<u>Description</u>	<u>Internal Part No.</u>	<u>Vendor</u>	<u>Part No.</u>		<u>Quantity</u>	<u>Price Per Unit</u>	<u>Shipping (Est)</u>	<u>Total (Est)</u>
64	Steering Rack Upright Attachment - LH	B4	Storage	4405A		0	On Hand	\$-	\$0.00
65	Steering Rack Upright Attachment - RH	B4	Storage	4405B		0	On Hand	\$-	\$0.00
66	Steering Rack Cover/Lid	B4	Storage	4410		0	On Hand	\$-	\$0.00
67	Steering Rack Mounting Plate	B4	Storage	4412		0	On Hand	\$-	\$0.00
68	Gas Tank	B8	Storage	N/A		0	On Hand	\$-	\$0.00
69	Hose Fitting For Bottom of Fuel Tank	B8	Storage	N/A		0	On Hand	\$-	\$0.00
70	Fuel Line	B8	Storage	N/A		0	On Hand	\$-	\$0.00

Controls Total
\$832.22 - expected EMJ sponsorship
\$885.94 - no EMJ support

Budget: Manufacturing - Drivetrain 1-9 / 67								18
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
1	Spur Pinion gear in the Franken-Box	D8	KHK	SS3-18	1	\$46.35	\$-	\$46.35
2	Spur Pinion gear in the Franken-Box	D8	KHK	SS3-20	1	\$53.07	\$-	\$53.07
3	Spur Gear in Franken-Box	D8	KHK	SS3-44	1	\$173.03	\$-	\$173.03
4	Spur Gear in Franken-Box	D8	KHK	SS3-42	1	\$167.46	\$-	\$167.46
5	Right hand spiral bevel gear in the Franken-Box	D8	KHK	MMS4-20R	1	\$146.91	\$-	\$146.91
6	Left hand spiral bevel gear in the Franken-Box	D8	KHK	MMS4-20L	1	\$146.91	\$58.23	\$205.14
7	Bearing 1 in the Franken-Box	D8	SKF	6006	1	\$54.49	\$-	\$54.49
8	Bearing 2 in the Franken-Box	D8	SKF	HK 1312	1	\$20.51	\$-	\$20.51
9	Bearing 3 in the Franken-Box	D8	SKF	6300	1	\$50.61	\$-	\$50.61

Budget: Manufacturing - Drivetrain 10-18 / 67								19
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
10	Bearing 4 in the Franken-Box	D8	SKF	6004	1	\$51.74	\$-	\$51.74
11	Bearings 5 and 6 in the Franken-Box	D8	SKF	61905	2	\$156.30	\$-	\$312.60
12	B2 Inner race	D8	SKF	IR 10X13X12.5	1	\$22.04	\$-	\$22.04
13	Bearing 1 in the Franken-Box	D8	SKF	6007	1.466666667	\$83.91	\$-	\$123.06
14	Bearing 2 in the Franken-Box	D8	SKF	HK 1313	1.552380952	\$90.94	\$-	\$141.18
15	Output and pinion shaft seals	D8	McMaster-Carr	1199N65	3	\$3.62	\$-	\$10.86
16	Input shaft seal	D8	McMaster-Carr	1199N64	1	\$3.30	\$-	\$3.30
17	Long shoulder bolts for the clamshell case	D0	McMaster-Carr	94496A670	2	\$12.97	\$-	\$25.94
18	Small Shoulder bolt for the clamshell case	D0	McMaster-Carr	97832A278	1	\$4.40	\$-	\$4.40

Budget: Manufacturing - Drivetrain 19-27 / 67								20
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
19	Flange plate bolts for the clamshell	D0	McMaster-Carr	90002A102	1	\$12.78	\$-	\$12.78
20	Quarter 20 bolts to hold together the clamshell case	D0	McMaster-Carr	92620A545	1	\$5.07	\$-	\$5.07
21	Long Quarter 20 bolt for clamshell case	D0	McMaster-Carr	91268A123	1	\$5.99	\$-	\$5.99
22	Hose barbs to connect Franken-Box to expansion chamber	D8	McMaster-Carr	5346K95	2	\$15.38	\$-	\$30.76
23	Sight glass to check the fluid level in the spiral housing	D8	McMaster-Carr	5095K118	1	\$10.09	\$-	\$10.09
24	Sight glass to check the fluid level in the spur housing	D8	McMaster-Carr	5095K117	1	\$6.67	\$-	\$6.67
25	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A180	1	\$12.16	\$-	\$12.16
26	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	97022A210	1	\$7.43	\$-	\$7.43
27	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A427	1	\$14.15	\$-	\$14.15

Budget: Manufacturing - Drivetrain 28-36 / 67

21

Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
28	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A506	1	\$23.36	\$-	\$23.36
29	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A177	2	\$15.38	\$-	\$30.76
30	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	97022A206	2	\$7.28	\$-	\$14.56
31	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A424	2	\$24.72	\$-	\$49.44
32	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A503	2	\$12.12	\$-	\$24.24
33	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A171	1	\$11.48	\$-	\$11.48
34	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	97022A199	1	\$14.25	\$-	\$14.25
35	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A418	1	\$17.16	\$-	\$17.16
36	Shims for the Franken-Box bevel gear spacing	D8	McMaster-Carr	98126A497	1	\$17.31	\$-	\$17.31

Budget: Manufacturing - Drivetrain 37-47 / 67								22
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
37	Self-tappings Screws	D5	McMaster-Carr	90064A718	1	\$8.60	\$-	\$8.60
38	1/4-20" Bolts	D5	McMaster-Carr	91268A410	1	\$9.13	\$-	\$9.13
39	1/4-20" Nuts	D5	McMaster-Carr	90630A110	1	\$4.58	\$-	\$4.58
40	CVT PPAE (Front)	D6	McMaster-Carr	9255T542	1	\$58.84	\$-	\$58.84
41	Rubber Draw Latches	D6	McMaster-Carr	1685A22	4	\$8.78	\$-	\$35.12
42	Mounting Rivets for Latches	D6	McMaster-Carr	97525A430	1	\$13.79	\$-	\$13.79
43	Steel Hex Weld Nuts for HROE Loop	D6	McMaster-Carr	93560A116	1	\$17.50	\$-	\$17.50
44	1/4"-20 Bolts for HROE Loop	D6	McMaster-Carr	92865A171	1	\$10.52	\$-	\$10.52
45	Hose Clamps	D5	Home Depot	202309386	4	\$2.48	\$-	\$9.92
46	Yamaha Grizzly 350 prop shaft	D5	Storage	N/A	0	\$0	\$-	\$0
47	Universal Joint	D5	Ebay	UJ-NB2000X1000	1	\$149.95	\$-	\$149.95

Budget: Manufacturing - Drivetrain 48-56 / 67								23
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
48	driveshaft adapters	D5	Metal Supermarks	N/A	1	\$44.63	\$-	\$44.63
49	Driveshaft PPAE Cover	D5	Rock West Composites	46409-FWG-36	1	\$116.97	\$41.09	\$158.06
50	4130 Round Tubing (CV Center Shafts)	D5	EMJ Metals	N/A	1	\$146.94	\$-	\$146.94
51	U joint HROE cover material	D5	EMJ Metals	N/A	1	\$110.96	\$-	\$110.96
52	U joint ppae cover material	D5	EMJ Metals	N/A	1	\$150.76	\$-	\$150.76
53	Safety hoop material	D5	EMJ Metals		1	\$36.90	\$-	\$36.90
54	CVT HROE Material	D6	EMJ Metals	N/A	1	\$136.00	\$-	\$136.00
55	CVT Back Plate	D6	EMJ Metals	N/A	1	\$82.27	\$-	\$82.27
56	Input shaft material	D5	EMJ Metals	N/A	1	\$42.62	\$-	\$42.62

Budget: Manufacturing - Drivetrain 57-65 / 67								24
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
57	Pinion shaft material	D5	EMJ Metals	N/A	1	\$17.90	\$-	\$17.90
58	Output shaft material	D5	EMJ Metals	N/A	1	\$24.14	\$-	\$24.14
59	CVT flange plate material and Gear Access Plate Material	D2	EMJ Metals	N/A	1	\$45.37	\$-	\$45.37
60	Spiral housing clamshell material	D2	EMJ Metals	N/A	1	\$190.42	\$-	\$190.42
61	Midplate clamshell material	D2	EMJ Metals	N/A	1	\$74.68	\$-	\$74.68
62	Spur housing clamshell material	D2	EMJ Metals	N/A	1	\$127.47	\$-	\$127.47
63	Driveshaft Material	D5	EMJ Metals	N/A	1	\$66.40	\$-	\$66.40
64	Key stock for the drivetrain	D8	Storage	98510A136	0	\$3.47	\$-	\$-
65	Input bearing spacer	D8	Storage	N/A	1	On-Hand	\$-	\$-

Budget: Manufacturing - Drivetrain 66-67 / 67

<u>Item #</u>	<u>Description</u>	<u>Internal Part No.</u>	<u>Vendor</u>	<u>Part No.</u>		<u>Quantity</u>	<u>Price Per Unit</u>	<u>Shipping (Est)</u>	<u>Total (Est)</u>
66	Pinion shaft spacer	D8	Storage	N/A	<u>N/A</u>	1	On-Hand	\$-	\$-
67	Output shaft spacers	D8	Storage	N/A	<u>N/A</u>	2	On-Hand	\$-	\$-

Drivetrain Total
\$1,245.03 - expected EMJ, SKF, VDH sponsorship
\$3,348.49 - no EMJ or SKF support
\$3,604.43 - no support

Budget: Manufacturing - Suspension 1-9 / 47								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
1	Bushing inner sleeve stock 1/2" OD x .083" wall x .334" ID	S0	MetalsDepot	T212083	2	\$8.40	\$12.80	\$16.80
2	Slippery Wear-Resistant Easy-to-Machine Delrin® Acetal AF Resin Rods and Discs	S0	McMaster-Carr	8579K28	2	\$33.89	\$-	\$67.78
3	5/16-18 x 3" long Bushing Bolt	S0	McMaster-Carr	92316A317	2	\$10.17	\$-	\$20.34
4	5/16-18 Nut for bolt going threw the Bushing	S0	McMaster-Carr	93298A204	1	\$8.60	\$-	\$8.60
5	1/2-20 RodEnd Bolt to Upright Bracket	S0	McMaster-Carr	91257A744	4	\$11.53	\$-	\$46.12
6	1/2-20 Rodend low profile Nut for Upright Bracket	S0	McMaster-Carr	94945A121	1	\$5.87	\$-	\$5.87
7	1/2" Rodend Washer on outside of Brackets	S0	McMaster-Carr	98023A118	1	\$10.77	\$-	\$10.77
8	0.075 thick 1/2 id 7/8 od Rodend spacer between	S0	McMaster-Carr	96853A169	4	\$11.71	\$-	\$46.84

Budget: Manufacturing - Suspension 10-18 / 47 ²⁷								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
10	1/4-20, 1 1/8" long for upright/control arm bracket bolt	S0	McMaster-Carr	91255A542	1	\$11.65	\$-	\$11.65
11	M8 x 1.25 mm Thread, 35 mm Long For brake Bracket to upright	S0	McMaster-Carr	91280A540	1	\$16.26	\$-	\$16.26
12	8mm 1.25 Bolt for brake calipers to brake bracket	S0	McMaster-Carr	91280A530	1	\$15.16	\$-	\$15.16
13	2.25"(57.15mm)od round bar for outside Bearing spacer 6" in long	S3-S6	McMaster-Carr	8974K75	1	\$28.01	\$-	\$28.01
14	1.5"od round bar for inside Bearing spacer 6" in long	S3-S6	McMaster-Carr	8974K18	1	\$14.09	\$-	\$14.09
15	10mm x1.5, 55 mm long bolt for shocks	S0	McMaster-Carr	90854A155	0	\$15.51	\$-	\$-
16	10mm x1.5 lock nut for shocks	S0	McMaster-Carr	94645A220	0	\$12.65	\$-	\$-
17	10mm 1.25 lung nuts	S0	McMaster-Carr	91415A225	0	\$14.51	\$-	\$-
18	3"x2.5"x2" Billet for control arm brackets	S3-S6	McMaster-Carr	9140T273	0	\$36.67	\$-	\$-

Budget: Manufacturing - Suspension 18-27 / 47 ²⁸								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
19	Brake Bracket	S3	McMaster-Carr	9008K15	0	\$13.57	\$-	\$-
20	1" x 0.058" 1/2-20 Weld Nut	S2, S5	McMaster-Carr	94640A220	2	\$8.42	\$-	\$16.84
21	1"x 0.083" 1/2-20 Weld Nut	S2, S5	McMaster-Carr	94640A265	8	\$8.42	\$-	\$67.36
22	1 1/2"x 7/8"x" 12" long built for Brake Bracket	S6	McMaster-Carr	8975K931	1	\$19.53	\$-	\$19.53
23	1"x 0.095" 1/2-20 Weld Nut	S0	McMaster-Carr	94640A285	6	\$8.42	\$-	\$50.52
24	1"x 0.065" 1/2-20 Weld Nut	S0	McMaster-Carr	94640A240	2	\$8.42	\$-	\$16.84
25	3/8"-24 Rod End (RH thread) for toe rod rear	S6	McMaster-Carr	6960T23	2	\$13.74	\$-	\$27.48
26	3/8"-24 Rod End (LH thread) for toe rod rear	S6	McMaster-Carr	6960T23	2	\$13.74	\$-	\$27.48
27	3/8-24 by 2 1/4" long toe rod to upright bolt	S0	McMaster-Carr	91257A660	1	\$12.36	\$-	\$12.36

Budget: Manufacturing - Suspension 28-36 / 47 ²⁹								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
28	3/8-24 toe rod to upright nut	S0	McMaster-Carr	97135A235	1	\$5.71	\$-	\$5.71
29	3/8"-24 jam nut (RH thread)	S0	McMaster-Carr	92053A110	1	\$10.96	\$-	\$10.96
30	3/8"-24 jamnut (LH thread)	S0	McMaster-Carr	92053A110	1	\$10.96	\$-	\$10.96
31	0.06 thick 3/8 id 5/8 od Rodend spacer between Bracket	S0	McMaster-Carr	97022A541	1	\$10.62	\$-	\$10.62
32	3/8" Rodend Washer on outside of Brackets	S0	McMaster-Carr	90126A225	1	\$6.70	\$-	\$6.70
33	1/2"-20 locknut (rear brackets)	S0	McMaster-Carr	94945A225	3	\$5.87	\$78.59	\$96.20
34	1/2-20 Right hand thread no teflon rod end	S0	Rod End Supply	HBBEM8	16	\$13.46	\$-	\$215.36
35	caster for rolling transportation cart		Homedepot	203672648	4	\$28.27	\$-	\$113.08
36	1" x 0.058" 16ft long 4130 steel tube	S2	EMJ Metals		1		\$-	\$-

Budget: Manufacturing - Suspension 37-44 / 47 30								
Item #	Description	Internal Part No.	Vendor	Part No.	Quantity	Price Per Unit	Shipping (Est)	Total (Est)
36	1" x 0.058" 16ft long 4130 steel tube	S2	EMJ Metals		1		\$-	\$-
37	1"x 0.083" 30ft long 4130 steel tube	S2	EMJ Metals		1		\$-	\$-
38	3/16" thick 4130 sheet steel from top front control arm tabs (1'x1') or 1 ft^2	S2	EMJ Metals		1		\$-	\$-
39	1/4" thick 4130 sheet steel from front bottom and rear control arm tabs (2.5'x2.5') or 5 ft^2	S2-S5	EMJ Metals		1		\$-	\$-
40	1"x 0.095" 4130 steel tube	S5	EMJ Metals		1		\$-	\$-
41	1" x 0.058" 16ft long 4130 steel tube	S2	EMJ Metals		1		\$-	\$-
43	3/4" Aluminum Round Bar 6061-T6 for toe rod	S5	EMJ Metals	T6511 0.750	1	\$29.19	\$-	\$29.19
42	30x55x13mm Bearing	S3-S6	skf	6006-2RS1/C3	8	\$23.73	\$-	\$189.84
44	Yamaha Grizzly 350 CV axles	S8	Ebay		2	\$94.99	\$-	\$189.98

Budget: Manufacturing - Suspension 45-47 / 47³¹

<u>Item #</u>	<u>Description</u>	<u>Internal Part No.</u>	<u>Vendor</u>	<u>Part No.</u>	<u>Quantity</u>	<u>Price Per Unit</u>	<u>Shipping (Est)</u>	<u>Total (Est)</u>
45	Billet for the knuckle	S3-S6	storage		0	1201.64		\$-
46	Hub and brake rotor mount	S3-S6	Storage	5ND-F5111-21-00	0	\$59.99		\$-
47	FOX Shocks	S1-S	Storage	830-19-309	0	\$1,249.99		\$-

Suspension Total
\$1,226.60 - expected sponsorship contributions included
\$1,445.63 - no EMJ or SKF support

Budget: Competition / Expo / Testing

<u>Item #</u>	<u>Description</u>	<u>Vendor</u>	<u>Part No.</u>	<u>Quantity</u>	<u>Price Per Unit</u>	<u>Shipping (Est)</u>	<u>Total (Est)</u>
1	SAE Baja Competition Registration	SAE International	N/A	1	\$1,850		\$1,850
2	Housing for competition	VRBO	N/A	1	\$2,360.04		\$2,360.04
3	Rental Vehicles for Transport to competitions	Hertz	N/A	2	\$1,000		\$2,000
4	Gas for rental Vehicles	assorted sources	N/A	2	\$1,000		\$2,000
5	24" x 36" Posters for Expo	Office Depot	N/A	2	\$75		\$150
6	Angle Iron for testing	Armor Steel	N/A	1	\$13.37		\$13.37
7	CVT Ramps and Springs	Gaged Engineering	N/A				

Competition Total

\$8,360.04 - Support not available

Expense Summary

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Testing and Initial Prototyping	\$13.32	\$13.32
Chassis BOM	\$2,340.07	\$546.81
Controls BOM	\$885.94	\$832.22
Drivetrain BOM	\$3,604.43	\$1,245.03
Suspension BOM	\$1,445.63	\$1,226.60
Expo	\$300.00	\$300.00
Competition	\$8,210.04	\$8,210.04
Contingency 7%	\$1,175.96	\$866.18
Total Project Estimate	\$17,975.39	\$13,240.20

Funding Summary			34
Source:	Total		
2025 Rollover	~ \$500		
Shray Family	\$1,000		
Olivieri Family	\$1,000		
Rutkowski Family	\$500		
Taylor Clark Gallery	\$1,000		
Jamsi Online	\$1,000 (+\$1,000 pending for Spring)		
Painters Grinding	\$1,500		
BCS Fab	\$550		
Lockheed Martin	\$1,500		
Patrick McSpadden	\$200		
Gates Belts	\$2,000 - pending for spring		
Matrix Technologies	\$150		
VDH manufacturing	Unknown		
Total External Support Estimate	\$11,900		
		Requested Funding	\$2,000*

Thank You!



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