

NAU SAE BAJA

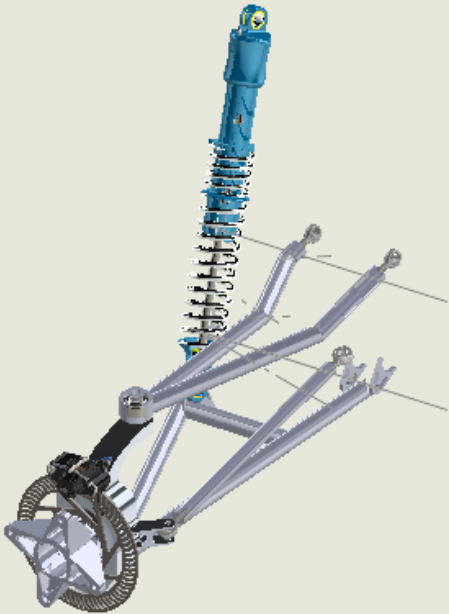
Front Suspension

Hardware Status Update - 33% Build

Team 9:
Dylan Wisniewski
Jared Bonds
Zac Biehl



Design Efforts



ITEM NO.	PART NUMBER	QTY.
1	Front End Mock Up	1
2	Part2^Front End Mock Up	1
3	FRONT PASSENGER J ARM	1
4	LOWER PASSENGER A ARM	1
5	Steering Knuckle Final	1
6	FrontHub_V2.1	1
7	Front end brake rotor V4	1
8	HBSBrakeCaliper	1
9	Avacado(half_cut)	10
10	AFCO 63 Shock	1
11	Tie Rod Assembly	1

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Front End Mock Up SIZE DWG. NO. REV A
DIMENSIONS ARE IN INCHES				
TOLERANCES:				
FRACTIONAL ±				
ANGULAR: MACH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		
MATERIAL		COMMENTS:		
NEXT ASSY	USED ON			
APPLICATION	DO NOT SCALE DRAWING			

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Figure 1: Front End Mock-Up CAD Drawing

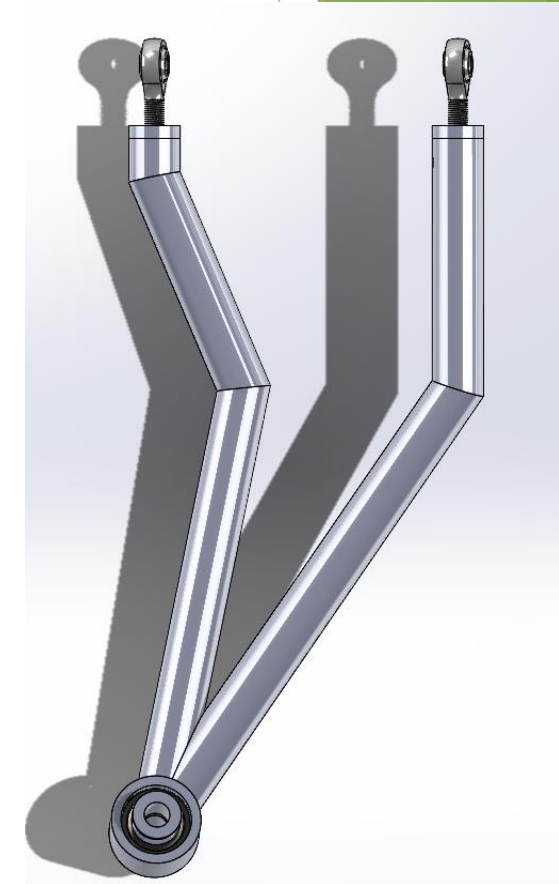


Figure 2: Finalized J Arm

Control Arms



Figure 2: Upper J-Arm Welded



Figure 3: Lower A-Arm Welded

CV Axel Modifications



Figure 4: CV Axel Ends Modified for Sprocket Attachment



Figure 5: CV Axel Modification with Sprocket Drive Mount

Steering Knuckle

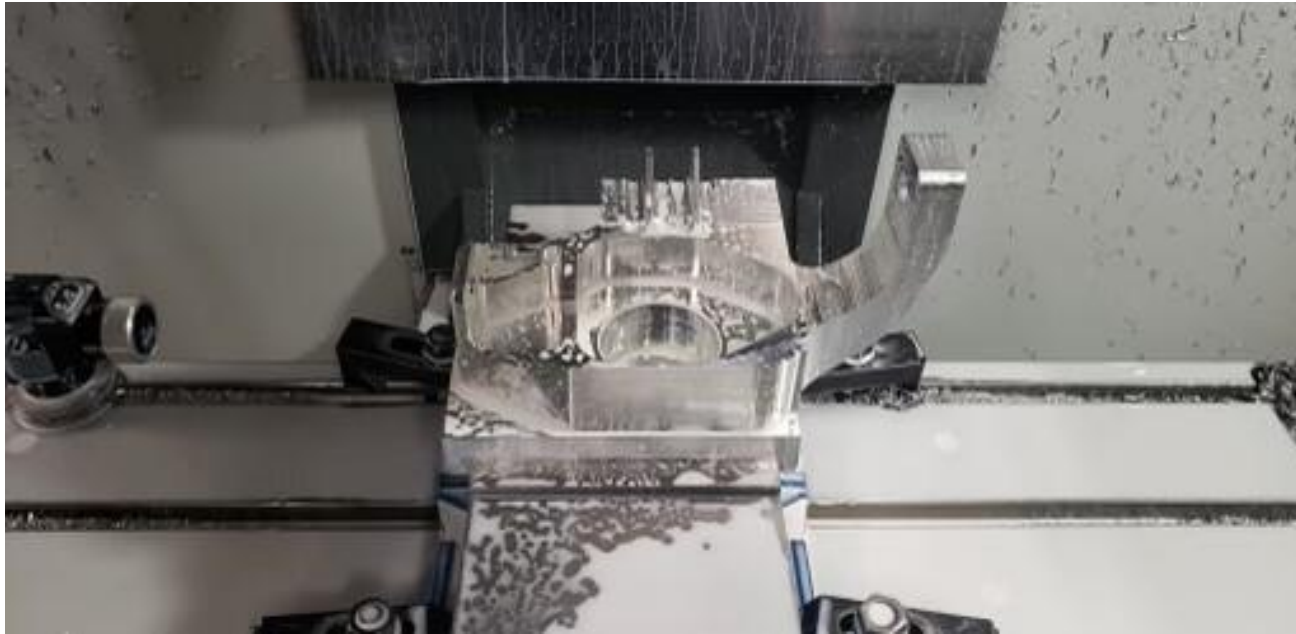


Figure 6: Steering Knuckle in HAAS

Jump to Excel Sheets

Demonstration

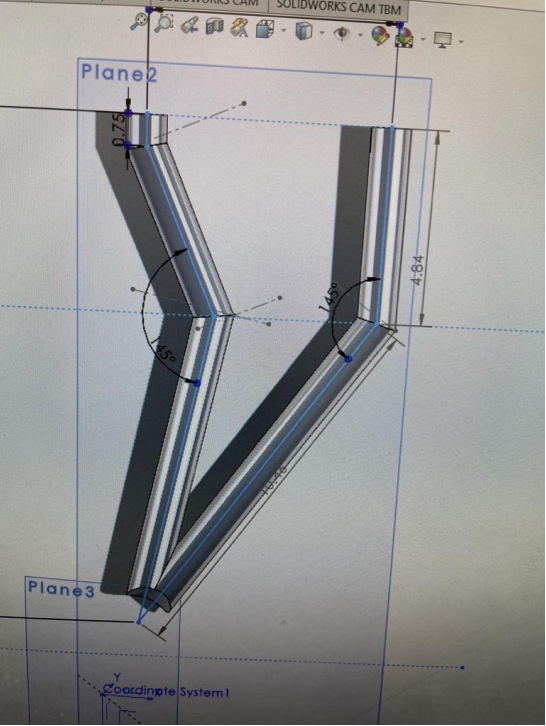


Figure 3: Upper Control Arm

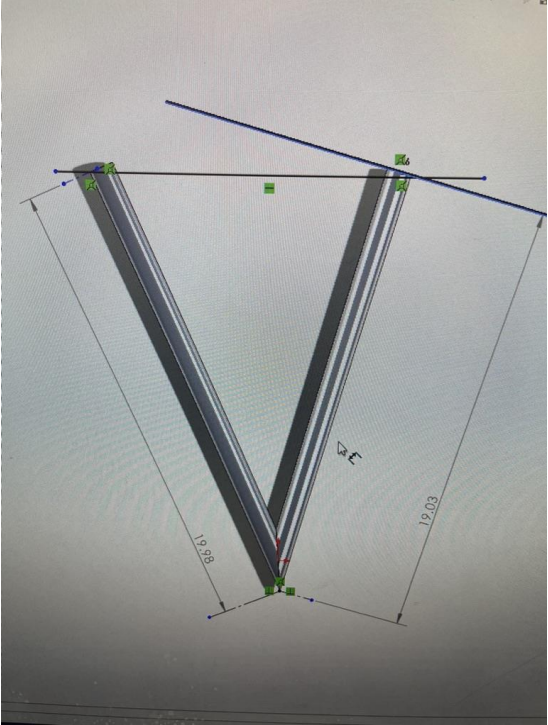


Figure 4: Upper Control Arm Lug



Figure 5: Front Hubs

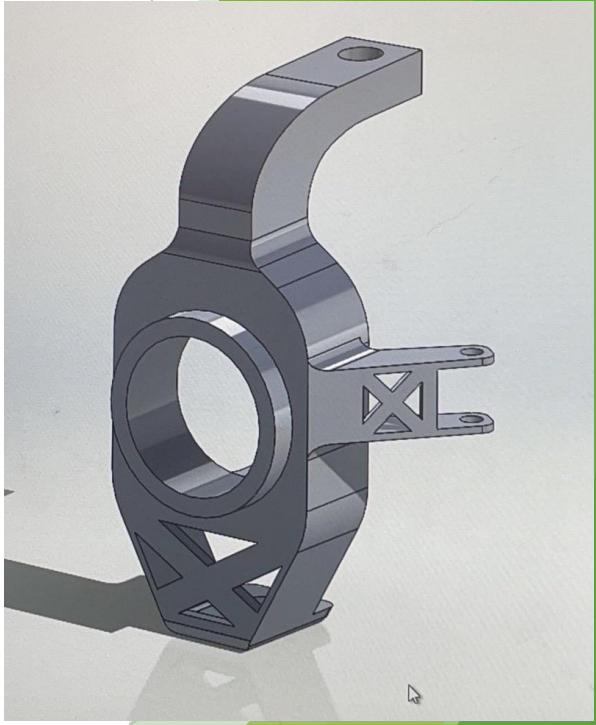


Figure 6: Front Hubs

Questions?

