

EV PP Tracking

Thursday, December 21, 2023

10:42 AM

Meetings: Thursdays @7

*** Project will only be presented if all the following are true:

- Project is submitted a day prior to meeting
- Project is reviewed by the lead of the project AND chiefs
- Project is relevant to car goals
- For stage four of design process () will only be approved if information under "Assembly Process/Materials" are inputted into the Cost excel sheet by lead.

Structure:

Projects will be presented in priority order.

If presenter has more than one design step completed, they may continue presenting IF they are approved to do so

*** As projects get approved leads should begin compiling proposals to aid in design and build upon it w/ information presented in Design Presentation. (Can also begin compiling pictures, logs, sims, etc. As project is progressing) (Design Binder 2024 Pinned in teams)

*** Feedback will be written in red text

*** People who have passed their proposals will be in a list that will be sent out in chat after the meeting

- Tracking will be updated every Design meeting
- If parts need to be machined COMMUNICATE (DM, meeting, etc.) with Manufacturing Lead... will be tracked
- If parts need to be ordered COMMUNICATE (DM, meeting, etc.) with Lead, Prez, VP... will be put in master list if approved

*** if machining needed go to "manufacturing" tab >>> Machining Tracking& talk to manufacturing lead

*** once project has gone through ALL of PP system if items need to be ordered LEADS must go to COTS tracking and fill out table to track order status of items

Template

Monday, June 26, 2023

9:09 PM

<i>Project (engine er)</i>	<i>Priority Class</i>	<i>Status</i>	<i>Estimat ed time of Project comple tion (PP 1)</i>	<i>Project Propos al 1</i>	<i>Project Propos al 2</i>	<i>Project Propos al 3</i>	<i>Project Propos al 4</i>	<i>Has info been inputte d into COST STATIC EVENT excel? (Y/N)</i>	<i>Comple ted</i>	<i>Notes</i>

Aero

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
Undertray Mounting AJ	B		COMPLETE	COMPLETE	COMPLETE	Revising			- Plans to present 10/05 - Need drawings - Messaged 11/06
Jacking Bar (Shrey)	A		COMPLETE	COMPLETE	COMPLETE	COMPLETE			-needs to add a flange to inserts and update drawings
EV Firewall Grayson	B	11/02	COMPLETE	COMPLETE	COMPLETE	Revising			-currently cad -and drawings -put flat on firewall -needs to insert in main static -firewall wil just be .04 alum

Composites

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
Seat Rebuild Matt Neace	B	In Progress	10/09/2023	COMPLETE	COMPLETE	COMPLETE	COMPLETE			-decrystalizing resin to create samples 09/27 Samples 10/30
Seat/firewall Grounding Eliab	B	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			- Revising again - Pp3 will change stock thickness to 0.05
Floorpan Grayson	B	Revising		COMPLETE	COMPLETE	COMPLETE	Revising			-relocate tabs.

EV Powertrain

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
Acc chassis tab Abri	B	COMPLETE	20 days 12/18	COMPLETE	COMPLETE	COMPLETE	COMPLETE	N/A		
Acc mount Abri	B	COMPLETE	31 days 12/20	COMPLETE	COMPLETE	COMPLETE	COMPLETE	...		
Acc Lid Jonathan	A	COMPLETE	70 days 9/16	COMPLETE	COMPLETE	COMPLETE	COMPLETE			- Will present 3 09/21 - Need drawing and subassembly drawings - Indexing feature, redoing flat patterns
Battery Cooling Bales	B	In progress	11/21/2023	COMPLETE	COMPLETE	COMPLETE	Revising			- Will present 1 & 2 09/21 - Cad for mounts tests and feas - needs to add fan harness to scope Acc
Busbars Abri	B	COMPLETE	10/10/2023	COMPLETE	COMPLETE	COMPLETE	COMPLETE			-will present 1 09/21 -needs to make test pp
Regen Bales										
RAD Mounting Sofie	A	COMPLETE	11/02/2023	COMPLETE	COMPLETE	COMPLETE	COMPLETE			-

To apply any changes to it must save the excel before closing it

LV- tracking

Project	Engineer	Priority Class	Disapproved or approved?	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
MDB	Val	B	Approved	DONE	9/25/2023 (finished 8/10/2023)	Presented	Presented	Presented	Presented	Y	Y	DONE
AVI	Marco	B	Approved	DONE	9/12/2023	Presented	Presented	Presented	Presented	N	Y	DONE
TSAL Controller	Bray	B	Approved	DONE	9/10/2023	Presented	Presented	Presented	Presented	N	N	planning to present 3 & 4 pps 10/12/2023
Economizer	Bray	C	Not Presented	Not Started		Not Submitted	Not Submitted	Not Submitted	Not Submitted	N	N	work on after pit
PDU	Justin	B	Approved	DONE	10/16/2023	Presented	Presented	Presented	Presented	N	Y	finishing 3-4 to present
EV Dash & EV Lights/Buttons	Justin	B	Approved	2		Presented				N	N	Need to talk about the project
VCU	mathew	B	Approved	2	10/17/2023	Presented	Currently Working On			N	N	
EV Lunch Control TP	Jonathan	B	Approved	DONE	2/14/2024	Presented	Presented	Presented	Presented	N/A	N	DONE
Power Conditioner TP	Mathew	B	Approved	2		Presented	Currently Working On			N	N	
PDU Box	Justin	B	Approved	DONE		Presented	Presented	Presented	Presented	N	N	finishing 2 maybe 3 to present after pit
Switch Pannel		A	Approved	2	9/8/2023	Presented	Currently Working On			N	N	Dose not need a proposal anymore
Smaller Wire TP Abri		C	Not Presented	Not Started		Currently Working On				N	N	Dose not need a proposal anymore
Regen Controls	N/A	B	Not Presented	Not Started						N	N	
Phumatic Shifter PCB	Bray	B	Approved	2	10-Oct	Presented	Presented			N	N	
Main relay PCB	N/A	C	Not Presented	Not Started						N	N	
IC Dash	Grayson Marks	B	Approved	DONE	9/25/2023	Presented	Presented	Presented	Presented	N	N	
IC Dashboard Shape and Cover	Seth Cornman	B	Approved	DONE	9/18/2023	Presented	Presented	Presented	Presented	N	N	
IC Lunch Control		C	Not Presented	Not Started						N	N	
EV Dash mounting & cover	reassigning	C	Not Presented	1		Presented						
TSAL light	Val	A	Approved	DONE	9/12/2023	Presented	Presented	Presented	Presented			DONE
		C	Approved	DONE		Presented		Presented				Is not a priority for design deadlines, was told because its not a vital thing to the cars manufacturing timeline it can be done sequently on the side
EV Logger	Chance						Presented		Presented			
EV logger case	Val	C	Approved	DONE	10/25/2023	Presented	Presented	Presented	Presented			
VCU Box	Steven	C	Approved	DONE	10/18/2023	Presented	Presented	Presented	Presented			

<i>Project (engine er)</i>	<i>Priority Class</i>	<i>Status</i>	<i>Estimated time of Project completion (PP 1)</i>	<i>Project Proposal 1</i>	<i>Project Proposal 2</i>	<i>Project Proposal 3</i>	<i>Project Proposal 4</i>	<i>Has info been inputted into COST STATIC EVENT excel? (Y/N)</i>	<i>Completed</i>	<i>Notes</i>

IC PP Tracking

Thursday, December 21, 2023

10:43 AM

Meetings: Thursdays @7

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Template

Monday, June 26, 2023 8:58 PM

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Aero

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
RW Mount Seth	B		COMPLETE	COMPLETE	COMPLETE	COMPLETE			- Invalid calcs & pics need to be added - Rerun FEA on rib/spar
Aero Package Nate	A	2/14 (435 days)	COMPLETE	COMPLETE	COMPLETE	COMPLETE			- Plan to present structures 10/12
Aero Structures Nate	A		COMPLETE	COMPLETE	COMPLETE	COMPLETE			
FW Mount Bray	B		COMPLETE	COMPLETE	COMPLETE	COMPLETE			- If bray does not present pp 3 & 4 this week 10/12/2023, nathan will be take over project - Currently fea fails
Flow Visualtions Joey	C		COMPLETE	COMPLETE	COMPLETE	COMPLETE			- Will present pp4 10/05
IC firewall Matt	A		COMPLETE	COMPLETE	COMPLETE	Revising			- need drawings - add a flat to seat belt holder

Composites

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
ECU Mount William	C	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			
Pushrods Keagan	C	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			-need drawings for inserts

Project (engineer)	Priority Class	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
ETS Pete	B	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			- PP 1 needs revisions - Project will be reassigned
Headers Brenden	A	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			-willll add star sim for design -need to add flanges for mounting to motor in main static and bungs
Diff Carriers Alex	B	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			-do patty calc -09/21: fix cad(edit bearing holder), needs to do a mesh study, - Have all four pps done 10/12 -Brackets have been redone need to redo the bearing carriers and do the proper fea once that's done can do part 4 and present next week - Drawing and need to put in pdm - Needs to drop diffs down
Throttle Bracket Carter	C	COMPLETE	10/31/2023	COMPLETE	COMPLETE	COMPLETE	COMPLETE			
Axle End Caps Tyler	C	COMPLETE	10/17/2023	COMPLETE	COMPLETE	COMPLETE	COMPLETE			
EV Spool Elizabeth	B	COMPLETE		COMPLETE	COMPLETE	COMPLETE	COMPLETE			-need FEA -needs a complete CAD -need to insert tension cap
Individual Per Cylinder Tuning Dean	C	COMPLETE		Complete	COMPLETE	COMPLETE	COMPLETE			

VD

Monday, July 10, 2023 3:22 PM

Project (engineer)	Priority Class	Status	Estimated time of Project completion (PP 1)	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Has info been inputted into COST STATIC EVENT excel? (Y/N)	Completed	Notes
Wheel insert Seth		Not pursuing								
Alignment Emil	C	COMPLETE	10/16 32 days	COMPLETE	COMPLETE	COMPLETE	COMPLETE			-cad for jigs -drawings -needs to redesign
Front & Rear Uprights Sam	A	In progress	11/08/23	COMPLETE	COMPLETE	COMPLETE	Revising			10/05/2023- will walk through upright pps -needs to make toe pickup thicker
Chassis (Ev & IC) Mihai	A	COMPLETE	11/05	COMPLETE	COMPLETE	COMPLETE	COMPLETE			-CAD is done -doing ordering sheet -need torsion sims -
Adjustable Pedal Box Bray	C	In Progress	11/10/23	Revising						- Editing project scope and force goals - Will present 10/19

Extention request tracking

Thursday, December 21, 2023 11:04 AM

Request Tracking

Thursday, November 2, 2023 11:58 PM

<u>Subgroup</u>	<u>Project</u>	<u>Approved or Disapproved</u>
Composites	EV Firewall	Approved
Composites	Floorpan	Approved

Test Proposal Tracking

Thursday, December 21, 2023 10:44 AM

Project (engineer)	Priority Class	Status	Estimated time of Project completion	Project Proposal 1	Project Proposal 2	Project Proposal 3	Project Proposal 4	Completed	Notes
Intake Testing Patty		In progress		COMPLETE	COMPLETE	In progress			
BSFC Heily				COMPLETE	In progress				

PP Testing

Monday, July 31, 2023

12:23 PM

<i>Project (engineer)</i>	<i>Priority Class</i>	<i>Status</i>	<i>Estimated time of Project completion</i>	<i>Project Proposal 1</i>	<i>Project Proposal 2</i>	<i>Project Proposal 3</i>	<i>Project Proposal 4</i>	<i>Project Proposal 5</i>	<i>Complete</i>	<i>Notes</i>
<i>BSFC Testing Heily</i>	<i>C</i>	In progress		COMPLETE	COMPLETE	COMPLETE	COMPLETE	In progress		-waiting for headers to be done to conduct test
<i>Cooling Iteration Emil</i>	<i>B</i>	In progress		COMPLETE	COMPLETE	COMPLETE	COMPLETE	In progress		-ready to conduct test
<i>On & Off Aero David</i>	<i>C</i>	In progress		COMPLETE	COMPLETE	COMPLETE	Revising			

Order Tracking

Thursday, December 21, 2023

11:13 AM

Template

Monday, July 10, 2023

3:21 PM

COTS

<i>Project</i>	<i>Assigned to</i>	<i>Order list submitted by lead?</i>	<i>Order list submitted to Lousie?</i>	<i>Order list submitted by Louise?</i>	<i>Obtained</i>	<i>Notes</i>
Fuel Tank	Brenden					

Aero

Monday, July 10, 2023

3:22 PM

Composites

Monday, July 10, 2023

3:22 PM

EnD

Monday, July 10, 2023 3:22 PM

EV Powertrain

Monday, July 10, 2023 3:22 PM

VD

Monday, July 10, 2023

3:22 PM

IC Project Tracking

Thursday, December 21, 2023 10:45 AM

- Will be meeting with leads 2x a week for progress checks
- If machining is needed either to build a project or a failed part communicate with Manufacturing lead...

Template

Monday, June 26, 2023 8:58 PM

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
ECU Mount	William/Composites	<input checked="" type="checkbox"/> - Mold CAD <input type="checkbox"/> - 3D-print <input type="checkbox"/> - Bondo <input type="checkbox"/> - Sand uniformly <input type="checkbox"/> - Poly coat	Low	In Progress		
Firewall	Matt/Composites					

If you hit a failure point during or after the build process, FILL OUT step 5 of proposals "Failure Analysis"

Aero

Monday, July 10, 2023 3:22 PM

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Fuel tank	Brenden	<input checked="" type="checkbox"/> - CAD <input checked="" type="checkbox"/> - Water Jet <input checked="" type="checkbox"/> - Weld <input checked="" type="checkbox"/> - Tubing <input checked="" type="checkbox"/> - Cap and flange <input checked="" type="checkbox"/> - Cut neck <input checked="" type="checkbox"/> - Turn neck <input checked="" type="checkbox"/> - Make cap? <input checked="" type="checkbox"/> - Get wire pass thru <input checked="" type="checkbox"/> - Add drainplug <input checked="" type="checkbox"/> - Order neck parts <input checked="" type="checkbox"/> - tube	HIGH	In Progress		- Fuel tank mounted in main static - Scheduled meeting 01/23 for update

Composites

Monday, July 10, 2023

3:22 PM

<i>Project</i>	<i>Assigned to</i>	<i>Task list</i>	<i>Priority</i>	<i>Status</i>	<i>Failure Analysis (Y or N)</i>	<i>Notes</i>
ECU Mount						

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Axel Endcaps	Britton	<input checked="" type="checkbox"/> - Source PETG <input checked="" type="checkbox"/> - Source 3D Printer <input checked="" type="checkbox"/> - Print PLA Test <input checked="" type="checkbox"/> - Test In Axel <input checked="" type="checkbox"/> - Print Radius .4 <input type="checkbox"/> - Print Radius .45 <input type="checkbox"/> - Print Radius .5		In Progress		The CAD does not match real life
Throttle Bracket	Carter	<input type="checkbox"/> Source Parts <ul style="list-style-type: none"> <input checked="" type="checkbox"/> • 4-40 Nuts <input type="checkbox"/> • 4-40 Bolts <input checked="" type="checkbox"/> • 1/8 aluminum sheet metal <input type="checkbox"/> Source Waterjet <input checked="" type="checkbox"/> 3D print throttle Bracket <input type="checkbox"/> Source Sheet Metal Bender <input type="checkbox"/> Waterjet Part <input type="checkbox"/> Bend Part <input type="checkbox"/> Tap Holes <input type="checkbox"/> Test fitment				Possibly can bend with a vise if necessary
Headers	Brenden,	<input type="checkbox"/> Print Jigs <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Primary 1 <input checked="" type="checkbox"/> Primary 2 <input checked="" type="checkbox"/> Primary 3 <input checked="" type="checkbox"/> Primary 4 <input type="checkbox"/> Collector Jig <input type="checkbox"/> Engine Jig <input type="checkbox"/> Collector to primary jig <input checked="" type="checkbox"/> Order Form <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Need Primary Pipe <input checked="" type="checkbox"/> Need titanium <input checked="" type="checkbox"/> Need stainless V-band <input type="checkbox"/> Collector <ul style="list-style-type: none"> <input type="checkbox"/> Print Paper Guides <input type="checkbox"/> Glue Paper Guides <input type="checkbox"/> Cut to guides <input type="checkbox"/> Source bandsaw <input type="checkbox"/> Assemble using jig <input type="checkbox"/> Tac using jig <input type="checkbox"/> Full weld <input type="checkbox"/> Well to primary's <input type="checkbox"/> Bungs <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Source stock for bungs <input type="checkbox"/> Collect the cad <input type="checkbox"/> Create the CAM <input type="checkbox"/> Mill the Part <input type="checkbox"/> Weld to primary's using the jig <input type="checkbox"/> Flanges <ul style="list-style-type: none"> <input type="checkbox"/> Create DXF of Flange <input type="checkbox"/> Waterjet the flanges <input type="checkbox"/> Install on Primaries BEFORE welding the bungs <input type="checkbox"/> Primary's x4 <ul style="list-style-type: none"> <input type="checkbox"/> Create Piecut jig <input type="checkbox"/> Grind and place the piecuts in the jigs <input type="checkbox"/> Tac together <input type="checkbox"/> Full weld <input type="checkbox"/> Full Assembly		In Progress		Marco has mentioned a sponsor has offered to provide a chop saw for pie cuts
EV - Spool	Liz	<input checked="" type="checkbox"/> Source 5in round stock 7075 <input checked="" type="checkbox"/> Run FEA with Jesse Impulse Load <input type="checkbox"/> Put new fea in PP <input type="checkbox"/> Order C-Clip <input type="checkbox"/> CAM Spool <input type="checkbox"/> Machine Spool		In progress		
IC Diff Carriers	Alex	<input checked="" type="checkbox"/> Jet right diff carrier <input checked="" type="checkbox"/> Jet left carrier <input checked="" type="checkbox"/> Jet right bearing carrier <input checked="" type="checkbox"/> Jet left bearing carrier <input type="checkbox"/> Mill holes <input type="checkbox"/> Press bearings <input type="checkbox"/> Test fit				
IC Heatshield	Pete, anyone	<input checked="" type="checkbox"/> Double Check Fitment <input type="checkbox"/> Waterjet the profile <input type="checkbox"/> Bend to shape <input type="checkbox"/> Need to do a drawing				
ETS		<input type="checkbox"/> Anchor Dyno <ul style="list-style-type: none"> <input type="checkbox"/> Find Anchor <input checked="" type="checkbox"/> Finish Welding				

		<input type="checkbox"/> Clean wiring <input type="checkbox"/> Jet the engine Mount <input type="checkbox"/> Test Fit engine <input type="checkbox"/> Drill holes in stand <input type="checkbox"/> Cut out sprocket carriers and mount arms <input type="checkbox"/> Order sprocket				
Cooling Test						
BSFC Test	Heily, brenden, paddy					
Engine Rebuild		<input checked="" type="checkbox"/> Organize Tools and parts <input type="checkbox"/> Source a good torque wrench, bore gauge, plastigauge, and micrometers <input type="checkbox"/> Clean engine parts <input type="checkbox"/> Figure out where which piston goes where. <ul style="list-style-type: none"> <input type="checkbox"/> Measure bore in 3 locations <input type="checkbox"/> Measure piston <input type="checkbox"/> Calculate bore piston clearance <input type="checkbox"/> <input type="checkbox"/> Measure the crank bore with new bearings in <ul style="list-style-type: none"> <input type="checkbox"/> Torque plate installed with plastigauge <input type="checkbox"/> Measure crank seat <input type="checkbox"/> Measure piston bearing <input type="checkbox"/> Calculate bearing clearances <input type="checkbox"/> Reassemble the engine				

CAD (update as needed)

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Oil System	Alexander and paddy and Pete	<input checked="" type="checkbox"/> Oil Cooler Water Lines <input checked="" type="checkbox"/> Check for correct Oil pan <input type="checkbox"/> Check for correct Oil Pickup(Optional) <input checked="" type="checkbox"/> Scavenge Sections? <input type="checkbox"/> -Add Plug where scavenge sections was	Low			
Cooling System	Pete/paddy, Britton, and brenden	<input checked="" type="checkbox"/> Finalize water pump position <input checked="" type="checkbox"/> Radiator hoses <input type="checkbox"/> -Check fitment <input checked="" type="checkbox"/> Water pump bracket - brenden <input checked="" type="checkbox"/> Need hoses for overflow <input checked="" type="checkbox"/> Other Hoses <input checked="" type="checkbox"/> Flanges <input checked="" type="checkbox"/> Bolts <input checked="" type="checkbox"/> Radiator Position? <input checked="" type="checkbox"/> Radiator Mount Cutouts	High	In progress		
Intake	Paddy and Carter and Pete	<input checked="" type="checkbox"/> Need Bolts into engine <input checked="" type="checkbox"/> Need proper throttle wheel <input checked="" type="checkbox"/> Need Proper throttle bracket <input checked="" type="checkbox"/> Fix Positioning relative to head restraint	Low			
Fuel System	Britton and Matthew and James and Pete	<input checked="" type="checkbox"/> Add fuel pressure regulator <input checked="" type="checkbox"/> Add return line from fuel reg <input checked="" type="checkbox"/> Missing Baffle on one side <input checked="" type="checkbox"/> Old fuel pump still in there <input checked="" type="checkbox"/> Get rid of suppressed bullshit	Low	In progress		
Exhaust	Brenden Peter	<input checked="" type="checkbox"/> Add in header bungs <input checked="" type="checkbox"/> Heat shield interfering battery box <input checked="" type="checkbox"/> Refine sheet metal layout for Heat Shield <input checked="" type="checkbox"/> Muffler mounting tube bolt	High			
Pneumatic Shifting	Brenden and mihai	<input type="checkbox"/>	High			
IC Driveline	Brenden and dean	<input type="checkbox"/> Hardware on sprocket <input checked="" type="checkbox"/> Axel Position? <input checked="" type="checkbox"/> Unconstrained assembly <input checked="" type="checkbox"/> Adjust chain guard? <input type="checkbox"/> Hardware on whole assembly	High			
EV Driveline	Liz	<input checked="" type="checkbox"/> Mate front sprocket <input checked="" type="checkbox"/> Add spool carrier bearings <input checked="" type="checkbox"/> Fix axle misalignment <input type="checkbox"/> Mate everything correctly	High	In progress		

		<input type="checkbox"/> Update folders/organize <input type="checkbox"/> Check fitment in Main Static (especially axle position)				
Instruments and wiring	Pete	<input checked="" type="checkbox"/> Fix head restraint assembly <input checked="" type="checkbox"/> Make head restraint EV config <input checked="" type="checkbox"/> Check position of battery box <input checked="" type="checkbox"/> ECU Mounts <input checked="" type="checkbox"/> Seat <input type="checkbox"/> Pedal Box updates (pending) <input checked="" type="checkbox"/> PDU (working with Justin) <input checked="" type="checkbox"/> Missing hardware				
Powertrain	Petey	<input checked="" type="checkbox"/> Need inter-assembly hardware <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Header Flanges <input checked="" type="checkbox"/> Intake Flanges <input checked="" type="checkbox"/> Gas Tank <input checked="" type="checkbox"/> Motor Mounts <input checked="" type="checkbox"/> Thermostat Housing <input checked="" type="checkbox"/> Coolant inlet <input checked="" type="checkbox"/> Oil Pan bolts <input checked="" type="checkbox"/> Water Pump 				
Aero	Pete	<input checked="" type="checkbox"/> Finish support rod mounts geometry				

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
IC Dash	Grayson marks	<input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Some Parts Arrived <input checked="" type="checkbox"/> Parts Arrived <input checked="" type="checkbox"/> Normalcy check / Assembling <input type="checkbox"/> Code				
IC Dahs Case	Seth	<input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Printed <input checked="" type="checkbox"/> Tabs in Manu list <input checked="" type="checkbox"/> Old dash tabs in manu list <input checked="" type="checkbox"/> Parts ordered? <input type="checkbox"/> Assembled <input type="checkbox"/> Tabs welded <input type="checkbox"/> On car				
Ic front harness	Crawford	Done .				
IC rear harness						
IC GUI	Chance	<input checked="" type="checkbox"/> Concept <input type="checkbox"/>				Done around January First
IC front rapdharness						

Project	12Q	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Alignment	Emil	<input checked="" type="checkbox"/> Design considerations <input checked="" type="checkbox"/> Order stock for alignment platforms + hub stand (may vary in order depending on cost and time) <input checked="" type="checkbox"/> Manufacture Alignment platform and hub stands <input checked="" type="checkbox"/> At 2 sets verify alignment can be done or if any fitment or design changes need to be made	^ does not need to be completed right now	working	n/a	
Pedal Box	Bray	<input type="checkbox"/> Order necessary sheet metal (if any) <input checked="" type="checkbox"/> Put final CAD assembly into PDM <input type="checkbox"/> Manufacturing <ul style="list-style-type: none"> <input type="checkbox"/> look into options for manufacturing (waterjet here, sendcutsend, sponsor, etc.) <input type="checkbox"/> Jigs? if necessary would only be for side rails welded to chassis <input type="checkbox"/> Weld and manufacture assembly <input type="checkbox"/> test fit into cars <input type="checkbox"/> verify passes tech inspection	^ because of recycling components the assembly can get done around February (not accounting for any manufacturing delays)	in progress	Y	somewhere in the middle we either need to remanufacture the same or get new pedal faces
Upright	Sam	<input checked="" type="checkbox"/> final CAD <input checked="" type="checkbox"/> Drawings + tolerances <input type="checkbox"/> manufacturing <ul style="list-style-type: none"> <input checked="" type="checkbox"/> method: in house, sponsored, outsource, etc. (should ideally be done with drawings and final CAD in hand) <input type="checkbox"/> manufacture <input type="checkbox"/> Test fit one corner of front and rear for fitment <input type="checkbox"/> verify camber gradient in real world (camber deg per shim added)	need to get done super early	yes	Y	

EV Project Tracking

Thursday, December 21, 2023 10:46 AM

Template

Monday, June 26, 2023 9:09 PM

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Fuel tank	Brenden	<input checked="" type="checkbox"/> - CAD <input checked="" type="checkbox"/> - Water Jet <input checked="" type="checkbox"/> - Weld <input checked="" type="checkbox"/> - Tubing <input checked="" type="checkbox"/> - Cap and flange <input checked="" type="checkbox"/> - Cut neck <input checked="" type="checkbox"/> - Turn neck <input checked="" type="checkbox"/> - Make cap? <input checked="" type="checkbox"/> - Get wire pass thru <input checked="" type="checkbox"/> - Add drainplug <input checked="" type="checkbox"/> - Order neck parts <input checked="" type="checkbox"/> - tube	HIGH	In Progress		- Fuel tank mounted in main static - Scheduled meeting 01/23 for update

If you hit a failure point during or after the build process, FILL OUT step 5 of proposals "Failure Analysis"

Aero

Monday, July 10, 2023

3:22 PM

Composites

Monday, July 10, 2023 3:22 PM

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Carbon Grounding						
Firewall						
Floor Pan Rear Back						
Floor Pan Rear Front						
Ev Seat		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW MP Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo) <input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat				

		<input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW MP Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo) <input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW MP Spar		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3				

	<input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW E2 Top	<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo) <input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 3 <input checked="" type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW E2 Bottom	<input checked="" type="checkbox"/> Design Part				

		<input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo) <input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 3 <input checked="" type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW E3 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup				

		<input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW E3 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW E4 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo)				

		<input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl			
RW E4 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat			

		<input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW Endplate Right		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW Endplate Left		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
RW Gurney Flap		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3				

		<input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW MP Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW MP Bottom		<input checked="" type="checkbox"/> Design Part				

		<input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E2 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup				

		<input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E2 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E3 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo)				

		<input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E3 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat				

		<input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E4 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW E4 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2				

		<input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW Endplate Outer		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW Endplate Inner		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right SW Joint		<input checked="" type="checkbox"/> Design Part				

		<input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW MP Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup				

		<input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW MP Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW E2 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit)				

		<input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW E2 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand				

		<input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW E3 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW E3 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit				

		<input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl			
Left SW E4 Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly			

		<input type="checkbox"/> Apply vinyl				
Left SW E4 Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW Outer Endplate		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW Inner Endplate		<input checked="" type="checkbox"/> Design Part				

		<input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Left SW Joint		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW MP Top		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold				

		<input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW MP Bottom		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo) <input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 3 <input checked="" type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect				

		<input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW MP Spar		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW E2 Right		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo				

		<input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW E2 Left		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish				

		<input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW E3 Right		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW E3 Left		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3				

		<input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Endplate Right		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Endplate Left		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Inner Endplate Left		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup				

		<input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Outer Endplate Left		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Inner Endplate Right		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Outer Endplate Right		<input checked="" type="checkbox"/> Design Part <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish				

		<input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Vortex Generator Right		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Vortex Generator Left		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3				

		<input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Endplate Gurney Flap Right		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Endplate Gurney Flap Left		<input checked="" type="checkbox"/> Design Part				

		<input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Winglet Right		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup				

		<input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
FW Winglet Left		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Undertray		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input checked="" type="checkbox"/> Sand high spots (low grit) <input checked="" type="checkbox"/> Fill Low spots (Bondo)				

		<input checked="" type="checkbox"/> Sand excess bondo <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 1 <input checked="" type="checkbox"/> Sand to 400 grit <input checked="" type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl			
Right Outer Strake		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat			

		<input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Right Inner Strake		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
Middle Strake		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2				

		<input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl			
Left Inner Strake		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl			

Left outer Strake		<input checked="" type="checkbox"/> Design Part <input checked="" type="checkbox"/> Design Mold <input checked="" type="checkbox"/> CAM <input checked="" type="checkbox"/> CNC <input type="checkbox"/> Sand high spots (low grit) <input type="checkbox"/> Fill Low spots (Bondo) <input type="checkbox"/> Sand excess bondo <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 1 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 2 <input type="checkbox"/> Sand to 400 grit <input type="checkbox"/> Polyurethane coat 3 <input type="checkbox"/> Sand surface to 800 grit at least <input type="checkbox"/> Apply mold wax <input type="checkbox"/> Spray PVA <input type="checkbox"/> Cut materials for layup <input type="checkbox"/> Wet Layup <input type="checkbox"/> Remove bagging and inspect <input type="checkbox"/> Release from mold <input type="checkbox"/> Trim <input type="checkbox"/> Fine sand <input type="checkbox"/> Clear coat <input type="checkbox"/> Buff and polish <input type="checkbox"/> Set up for assembly to counterpart <input type="checkbox"/> Adhere two skins with ribs and spars <input type="checkbox"/> Bolt together with wing assembly <input type="checkbox"/> Apply vinyl				
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If you hit a failure point during or after the build process, FILL OUT step 5 of proposals "Failure Analysis"

Undertray and strakes are foam = NO

Monday, July 10, 2023 3:22 PM

Key:

- Waiting to be assigned (someone grab it!)
- In progress (assigned, and being worked on)
- Completed (done)

System	Project	Assigned to	Task list	Priority	Status	Notes
Phase loads	1 connection covers		<ul style="list-style-type: none"> ✓ Cover for the y connection to the motor (goal is to cover up and protect the ring terminal connection so it doesn't look bad) ✓ CAD a solution (probably 3D printed) ✓ Print a test piece ✓ Revise the part Print the new copies 	Low	Waiting to be assigned	How have straight connection! Just need to cover the straight ring terminals
Phase loads	HV wire path		<ul style="list-style-type: none"> ✓ Label the wires for the connections (in orange) Mount motor in chassis Mount AC & inverter in chassis Mount the 1 terminal side Mock up the wire routing/lengths between the junction & inverter Figure out where to ground chording (I assume inverter) ✓ Double check with someone before cutting Cut wire to length Crimp ring terminal Crimp inverter side Connect wiring 	High	Waiting to be assigned	Diagram is in orange under HV Part Diagram, just need to shorten the current wires for the inverter placement
Lid to inverter	HV wire path		<ul style="list-style-type: none"> ✓ New connectors from TE? ✓ Sponsorship? Emails are somewhere, Steven has been doing some emailing back and forth but has not been getting quoted ✓ Wait ✓ Straight pigtail to the inverter ✓ Double ended connector for acc to charger Reusing old connector Measure lengths Cut wire Crimp Assemble	High	Waiting to be assigned	Current wires are longer than needed. Will need to trim down and rewire inverter side fittings. We have the needed crimps and tools. Care needs to be taken when trimming lengths, as too short will place stress on inverter/connector or at worst not fit, but too long will also push on the inverter
Powertrain	Motor vinyl	Vinyl subgroup II	Yellow vinyl on outside of motor	Medium	Waiting to be assigned	Refresh for this year
Powertrain	Motor install		Get vinyl to ship/loop for protective vinyl install motor in car Safety wire bolts Put chain on	High	Waiting to be assigned	

[illegible]

System	Project	Assigned to	Task list	Priority	Status	Notes
Modules	HV Wiring between modules		<ul style="list-style-type: none"> ✓ Cut sample piece of wire <ul style="list-style-type: none"> ✓ Check bend radius ✓ Remove shielding ✓ Check bend radius again ✓ Decide between: shielding or no shielding ✓ Figure out lengths ✓ Put measurements in spreadsheet ✓ Get sample piece of wire & shielding in safe spot for camp ✓ Reassemble wires <ul style="list-style-type: none"> ✓ Cut wire to lengths specified in spreadsheet (10") ✓ Remove outer layer of shielding ✓ Remove inner layer of shielding for exposed wire to go into crimp (1/4" - 7/8") ✓ Lay out surlicks in the correct order (see spreadsheet, with the certain 180 and 90 degree ones) ✓ Insert wire into surlicks & crimp ✓ Repeat above 	High	Completed	Will be reusing the previous year's wires
Modules	HV Wiring to endpoint connections (the wires that go to the lid)		<ul style="list-style-type: none"> Have assembled bottom end and lid Cut wire to appropriate length Remove outer layer of shielding Remove inner layer of shielding for exposed wire to go into crimp (1/4" - 7/8") Lay out surlicks in the correct order (see spreadsheet, with the certain 180 and 90 degree ones) Insert wire into surlicks & crimp Repeat above for other wire 	High	Waiting to be assigned	
Modules	Assembly of modules		<ul style="list-style-type: none"> ✓ Obtain new module frames <ul style="list-style-type: none"> ✓ Heat thread inserts ✓ Glue top cover ✓ Fiberglass standoffs drilling and tapping ✓ Shower handles & modules for filament ✓ Number modules Have manufacturing cut busbars Test filament on example module Check drawer on EV table for the busbars for each Obtain the nylon screws for busbars Obtain the washers for busbars ✓ Obtain the voltage tap harness (LV) ✓ Obtain the temp harness (LV) ✓ Begin module assembly <ul style="list-style-type: none"> ✓ Remove each module from old acc ✓ Start tear down on old modules - 1 at a time ✓ Bag & label all removed components from modules ✓ BEFORE REMOVING BATTERIES <ul style="list-style-type: none"> ✓ Label the order with (module #) (cell #) ✓ Starting with - first (to retain the order of cells when placed into new cell) ✓ Carefully transfer the cells to the new, appropriate module Install busbars with voltage tap harness on one side of each busbar - LVV check with val on this <p>NEAT SHRINK? (later)</p> <p>Poles only keep module together</p> <ul style="list-style-type: none"> ✓ Install temp harness (LV) ✓ Conform coat boards ✓ Put on battery Install cover/handles Install surlicks ✓ Install board & connect harness (LV) Install completed module into Acc after inspection by others. <p>Repeat for each module & check off below</p> <p>Module #1 DONE</p> <p>Module #2 DONE</p> <p>Module #3 DONE</p> <p>Module #4 DONE</p> <p>Module #5 DONE</p> <p>Module #6 DONE</p> <p>Module #EXAMPLE DONE</p>	High	Waiting to be assigned	Modules are mostly built. Each module needs the new LV board, new busbars.
Lid	AIRS/Contactors		<ul style="list-style-type: none"> ✓ Make new busbars to connect old AIRS ✓ Assemble busbars Test filament of busbars & install in UD Heatshrink bag? Energy meter mockup 		Waiting to be assigned	Design is complete, manufacturing needs to be done for busbars
Lid	Polycarb cover for lid cover		<ul style="list-style-type: none"> Covers <ul style="list-style-type: none"> Manufacture clear & metal ones Install Gasket for Covers Laser cut Install 	Low	Waiting to be assigned	
Box	Cooling fans on the outside of acc		<ul style="list-style-type: none"> ✓ Fans <ul style="list-style-type: none"> Order the fans ✓ Receive the fans Fan mount <ul style="list-style-type: none"> ✓ There is a fan mount in CAD print ✓ Get orange/black ping for new fan mount ✓ Check if can probe through into HV stuff, EV lines 	Medium	Waiting to be assigned	Needs printing and assembling, as well as figuring out the harnessing
Charger upgrades	Fix 12v supply		<ul style="list-style-type: none"> 12v power to acc 	High	Waiting to be assigned	Need to fix 12v Supply
Modules	Pale module covers		<ul style="list-style-type: none"> Revise design possibility? ✓ Obtain orange PETG for it then then 	Medium	Waiting to be assigned	Could reuse some of the older ones, filament isn't great though
Box	Battery ronnex covers against inside walls		<ul style="list-style-type: none"> ✓ Already done 	Medium	Done	EV 6.2.2 EV 6.2.3 in EV toolbox drawer if we need
Lid	Add ronnex to inside of lid border walls		<ul style="list-style-type: none"> Measure and design the pieces to cover the walls Order cut pieces Glue into lid. 	Low	Needs to be assigned	Should coat the inside of the lid again

System	General	Assigned to	Task list
All	PROJECT TODO		<ul style="list-style-type: none"> ✓ CAD soffites ✓ Make list of all fittings & tube needed ✓ Check stock of current fittings & tubes in dry ✓ Double check CAD for lines & manifold items ✓ Order any needed items ✓ Make mounts ✓ Initial tests ✓ Wire up pump ✓ Fill lines and test
			<ul style="list-style-type: none"> ✓ CAD mounts ✓ Manufacture ✓ Mount on car
Radiator	Mounts		<ul style="list-style-type: none"> ✓ CAD water pump ✓ CAD mounts ✓ Make fucuses to the rear ✓ Manufacture mounts ✓ Mount on car
Motor	Fittings		<ul style="list-style-type: none"> ✓ First CAD! There is the old one sitting in the inventory in the shop ✓ CAD CAD & Drawing ✓ Give to manufacturing
Inverter	Fittings		<ul style="list-style-type: none"> ✓ Check the filament between inverter and only 2m of cable ✓ Set a regular 4" Almodge fitting ✓ Clear between this area ✓ If, then, we go good and add it to the list ✓ If not, we go, we gotta figure something else out then ✓ A short saved 80 \$ or there
All	List of fittings need		<ul style="list-style-type: none"> ✓ Make list of fittings under cooling in enrements CAD and make sure items are the ones we need ✓ Check fittings in cooling buckets ✓ They could be some we what we have already ✓ There may be some on the old cooling loop as well ✓ Also ask Brennan, he found a lot bad know if we need to use fittings ✓ Make diagram of tube lengths & how much we will need/replace it ✓ Multiply lengths by 1.5 to have enough, or check by hand against the tubing in the car ✓ Check dry, & main for, dan has ✓ We will be having ✓ Let bad know if we need to use hose ✓ We will be ressing - dan hose already have should be enough ✓ Warning on 2 pump fittings to be manufactured ✓ Warning on 2 motor fittings to be manufactured
All	Sofline manufacture		<ul style="list-style-type: none"> ✓ Make CAD lines & make through out not cut, so do the best post ✓ See Ev/Cooling loop planning sheet on flow path
Radiator	Cap/catch can		<ul style="list-style-type: none"> ✓ Need a way to fill bleed the not accounted for in the design ✓ Radiator cap welded to the ✓ Catch cans ✓ Find fitting to screw in ✓ Get tube ✓ Mount for catch can ✓ Get catch can

Priority	Status	Notes
d (main s of	<div>Waiting to be assigned</div>	System should be completely reused, shouldn't need any major changes.
	Medium <div>Waiting to be assigned</div>	Need to manufacture
	Medium <div>Waiting to be assigned</div>	Need to just cut a new mount and weld on
g near	Medium <div>Done</div>	Reusing fittings from last year
& lid, g will ose	High <div>Done</div>	Reusing fittings
ight? they near e t ow der y re we d ose der we (N n	High <div>Done</div>	This is top priority as we need to know if we need to order fittings or lines, but it's been done. No money tho so fittings may not be ordered. Found 2 boxes of fittings in the ship and updated the fittings list in EVCooling planning, we have everything BUT the 2x OMS -> Sam to Sam fittings that goes to the pump.
he ca ble for	Medium <div>Waiting to be assigned</div>	Probably can reuse lines, may need slight trimming to fit better but should be good
pr- rad?	Medium <div>Waiting to be assigned</div>	Need mount made and welded on, can reuse catch can

Teal - ready to be made
Green - machined/obtained
Orange- waiting for stock
arrival
Yellow - need designer input
Magenta - needs Water Jet

If you hit a failure point during or after the build process, FILL OUT step 5 of proposals "Failure Analysis"

Project	Assigned to	Task list	Priority	Status	Failure Analysis (Y or N)	Notes
Module Cell taps Harnesses Temapture Harnesses	Val,,	<input checked="" type="checkbox"/> Needed to order <input type="checkbox"/> Make new harnesses for the larger connector <input type="checkbox"/> Replace/ add illegal lengths with an in-line fuse before 150mm on each modules <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> Measure each temperature connection from each cell to the MDB temp connector				Housing https://www.digikey.com/en/products/detail/jst-sales-america-inc/XHP-2/555485 Crimps https://www.digikey.com/en/products/detail/jst-sales-america-inc/SXH-001T-P0-6N/7041446 Not gonna do but have the stuff to fix ones that break
Precharge Discharge		<input type="checkbox"/> Fill out rest of KS6E PP KS6E-Precharge Discharge.docx <input type="checkbox"/> Part 3 <input type="checkbox"/> Part 4 <input type="checkbox"/> Part 5 <input type="checkbox"/> Update Altium with correct resistor values and capacitors <input type="checkbox"/> Create an accurate Digi order <input type="checkbox"/> Order parts for 2 spare ? <input type="checkbox"/> Put into an Order form <input type="checkbox"/> Ordered <input type="checkbox"/> Parts Arrived <input type="checkbox"/> Normalcy check / Assembling <input type="checkbox"/> Spare 1 <input type="checkbox"/> Spare 2?				Need this done to order the correct components for a spare board and for documentation
ACU		<input type="checkbox"/> Fill out rest of KS6E PP KS6E-ACU.docx <input type="checkbox"/> Part 5 <input type="checkbox"/> Update Altium with correct resistor values and capacitors <input type="checkbox"/> Create an accurate Digi order <input type="checkbox"/> Order parts for 1 spare board <input type="checkbox"/> Put into an Order form <input type="checkbox"/> Ordered <input type="checkbox"/> Parts Arrived <input type="checkbox"/> Normalcy check / Assembling <input type="checkbox"/> Spare 1?				Need this done to order the correct components for a spare board and for documentation
TSAL Controller		<input checked="" type="checkbox"/> Fill out PP5 for KS6E TSAL controller KS6E Tsal Controller.docx <input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Parts Arrived <input checked="" type="checkbox"/> Normalcy check / Assembling <input checked="" type="checkbox"/> Board 1 <input type="checkbox"/> Spare			Y	Need to do part 5
AVI	Marco	<input checked="" type="checkbox"/> Fill out PP5 for KS6E AVI KS6E AVI Step 5.docx <input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1			N	

		<input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Parts Arrived <input checked="" type="checkbox"/> Normalcy check / Assembling <input checked="" type="checkbox"/> Board 1 <input type="checkbox"/> Spare				
MDB	Val	<input checked="" type="checkbox"/> Fill out PP5 for KS6E MDB KS6E-MDB.docx <input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Parts Arrived <input checked="" type="checkbox"/> Normalcy check / Assembling <input checked="" type="checkbox"/> Board 1 <input checked="" type="checkbox"/> Board 2 <input checked="" type="checkbox"/> Board 3 <input checked="" type="checkbox"/> Board 4 <input checked="" type="checkbox"/> Board 5 <input checked="" type="checkbox"/> Board 6 <input checked="" type="checkbox"/> Board 7 (Example Module) <input checked="" type="checkbox"/> Board 8 (Spare) <input type="checkbox"/> Board 9 (Spare/BMS testing) <input checked="" type="checkbox"/> Board 10 (BMS testing) <input checked="" type="checkbox"/> Intall in to modules			N	
MDB Code	Gaysonnnn	<input checked="" type="checkbox"/> CAN chip <input type="checkbox"/> Temp /humid sensor <input checked="" type="checkbox"/> make the ACU forward all the temps				<ul style="list-style-type: none"> • https://github.com/KSU-MS/KS6e-MDB • isolated CAN chip • non-Isolated CAN chip • Temp / humid sensor
ESF Opens Sep 22 DUE December 4th		<input checked="" type="checkbox"/> Over View <input checked="" type="checkbox"/> Data Sheets <input checked="" type="checkbox"/> TS Schematics <input checked="" type="checkbox"/> Accumulator <input checked="" type="checkbox"/> PrechargeDischarge <input checked="" type="checkbox"/> Charging <input checked="" type="checkbox"/> Shutdown Circuit <input checked="" type="checkbox"/> Torque Security <input checked="" type="checkbox"/> Other	SSS			<ul style="list-style-type: none"> • Should be easy this year havent chaged the curites of the ACU or Precharge • Modules also havent chaged • Need to up date the things that were flaged and update data sheets need be
Tasl Light	val	<input checked="" type="checkbox"/> Fill out rest of KS6E PP <input checked="" type="checkbox"/> Part 5 KS6E TSAL light .docx <input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Parts Arrived <input type="checkbox"/> Normalcy check / Assembling				
PDU PCB	Justin	<input checked="" type="checkbox"/> Design phase <input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input checked="" type="checkbox"/> Put into an Order form <input type="checkbox"/> Ordered <input type="checkbox"/> Parts Arrived <input type="checkbox"/> Normalcy check / Assembling			Y	
PDU box	Justin	<input checked="" type="checkbox"/> Design phase				

		<input checked="" type="checkbox"/> Pp1 <input checked="" type="checkbox"/> Pp2 <input checked="" type="checkbox"/> Pp3 <input checked="" type="checkbox"/> Pp4 <input type="checkbox"/> Printing <input type="checkbox"/>				
VCU KS6	Mathew	<input type="checkbox"/> Fill out rest of KS6E PP Vehicle Control Unit <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 Failure Analysis <input type="checkbox"/> Fixing/investing <input checked="" type="checkbox"/> Im not doing a failure analysis cuz I don't think it failed, I think there was a skill issue when it was made and it should be taken up with whoever assembled the board <input checked="" type="checkbox"/> Ordered <input checked="" type="checkbox"/> Parts Arrived <input checked="" type="checkbox"/> Normalcy check / Assembling <input checked="" type="checkbox"/> Starting bring up <input checked="" type="checkbox"/> Test on car <input checked="" type="checkbox"/> Will car pass a full active			Y	
Ev Dash	Needs assignmet	<input checked="" type="checkbox"/> Dash Single digit code <input checked="" type="checkbox"/> Working on bodge <input checked="" type="checkbox"/> Need to tir oin to GND and edit code <input type="checkbox"/>			Y	https://github.com/KSU-MS/KS6e_dashboard_fw/pull/4/files#diff-34d21af3c614ea3cee120df276c9c4ae95053830d7f1d3deaf009a4625409ad2 I just pushed a commit to this branch which should turn on the single seven segment on the dash and display the number 4, if anyone would like to take a look i did not get to actually try it on the dash so if anyone wants to do that and then if it works go fully implement the method to display the torque mode from the VCU though its not really useful at all right now i am really just trying to see if it works for my own vindication
GPS breakout board	Chance / Charlie	<input checked="" type="checkbox"/> Get it working with a teensy 4.0 <input checked="" type="checkbox"/> Works with the GPS ultiment, accetry isnt great, got sponsored a much better one, waiting on that				The How to https://learn.adafruit.com/adafruit-ultimate-gps/overview
EV front harness	val, & anyone intrestred	<input checked="" type="checkbox"/> Removing pedalbox PCB <input checked="" type="checkbox"/> Editing /ckening up Dash area . <input checked="" type="checkbox"/> Add Can connecotors <input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> Add wire going to rear for wheel speed				
EV rear Harn	val, & anyone intrestred	<input type="checkbox"/> Clean up area where Emeter was added in <input type="checkbox"/> Add emeter cnnetion to main io as well as BSPD test onnecoter				
Acc harnessing	VAL & jonathan	<input type="checkbox"/> Make mock leid board <input type="checkbox"/> Start laying out wires <input type="checkbox"/> Add fuses in for 150mm				
Daq testing board (wood block)	Carter, Britten, Chance	<input type="checkbox"/> Sensors mounted <input type="checkbox"/> Shock pots <input type="checkbox"/> Wheelspeed <input type="checkbox"/> Tire temp <input type="checkbox"/> Stearing <input type="checkbox"/> Gps <input type="checkbox"/> Accel.gyro <input type="checkbox"/> Tlemerty				

		<input type="checkbox"/> logger <input type="checkbox"/> Sensors reading/working <input type="checkbox"/> Shock pots <input type="checkbox"/> Wheelspeed <input type="checkbox"/> Tire temp <input type="checkbox"/> Stearing <input type="checkbox"/> Gps <input type="checkbox"/> Accel.gyro <input type="checkbox"/> Tlemerty <input type="checkbox"/> logger				
Logger	Chance	<input checked="" type="checkbox"/> Assembled <input checked="" type="checkbox"/> Normalcy <input checked="" type="checkbox"/> Get people to look over changes <input type="checkbox"/> Reorder board <input type="checkbox"/> Reassemble <input type="checkbox"/> Recheck <input type="checkbox"/> Stores/loggs data <input checked="" type="checkbox"/> Update Logger code to receive Vectornave Accel and gyro data				
DRS	Chariley with aero peeps					
Telemetry	Chance	<input type="checkbox"/> Can parse old logs <input type="checkbox"/> Can give live view of some data <input type="checkbox"/> Can be easily setup and ran by anyone				
DAQ platform "user testing"	Chance , Mathew	★ Ready for user testing Feb 26th <input type="checkbox"/> "add your step/targets to hit in here " <input type="checkbox"/>				
Parser user testing	Mat	<input type="checkbox"/> Backend tasks: <input checked="" type="checkbox"/> Error handling for if no dbc is found in dbc-files folder <input checked="" type="checkbox"/> Error handling for msg decoding <input checked="" type="checkbox"/> Error logging <input type="checkbox"/> Front end tasks: <input type="checkbox"/> Mock up GUI and get feedback Users said No Gui is fine <input type="checkbox"/> <input type="checkbox"/> Deployment tasks: <input type="checkbox"/> Optimize executable file size <input checked="" type="checkbox"/> Test executable on github actions (check if build works) <input type="checkbox"/> Set up				
Cornor Node	Chance then to Charles	<input checked="" type="checkbox"/> Test Conrnnode Code. <input type="checkbox"/> Write assembly doc <input type="checkbox"/> Hand off the charlie <input type="checkbox"/> Assemble 3 more nodes "if supplies last" <input type="checkbox"/> Test Code and make sure it new nodes work <input type="checkbox"/>				

VD

Monday, July 10, 2023

3:22 PM

Manufacturing Tracking

Thursday, December 21, 2023

11:18 AM

Link to the tracking excel

[Manufacturing Tracker.xlsx](#)

DXFs/ Drawings Tracking

Wednesday, December 13, 2023 7:04 PM

Project	Engineer	DXF File Created	Drawing Complete (Y/N)	In PDM (Y/N)	Notes
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			
		Part: <input type="checkbox"/> DXF Part: <input type="checkbox"/> DXF			