SUBSYSTEM BREAKDOWN

LARGELY MECHANICAL	MECHANICAL AND ELECTRICAL	ELECTRICAL
CHASSIS	TSV (Tractive System Voltage)	VSCADA (Vehicle Supervisory Control and Data Acquisition)
	Battery based power system responsible for providing adequate and accurate current supply to the v	Stores, Displays, and Reacts to sensor data.
DRIVETRAIN	TSI (Tractive System Interface)	GLV (Ground Low Voltage)
	Provide interface between motor controller and TSV	Provide 24V DC to power all low voltage systems
SUSPENSION	Determine throttle plausibility and provide isolated signal to motor	Control safety loop and COCKPit indication light
	Read IMD status for tripping safety loop	DYNO (Dynamometer)
	Measure motor voltage and current inputs and sent to VSCADA	Device for measuring force torque, rotational speed, and power of a motor.
	Manage drive state and respond to startup/shutdown conditions	Provides simulated road loading of the motor
	Display system status lights	Used to test the interaction of electrical systems before actual integration in the car
	Interconnect	Controlled by software which also records dyno data, which will be investigated for further modification of certain components on the car
	Transfers power to each subsystem	
	Connects subsystem to subsystem	
	Labeling and color coding promotes organization	
	Fits subsystem design physically within the car	
	Cooling System	
	Provides cooling to the motor/motor controller and keeps it at a safe operating temperature	