



Team Updates

The Body team is putting the finishing touches on the body of Magnolia, the new battery-electric vehicle. They fit the front canopy to the bottom half of the body and put the firewall into the middle of the vehicle. They are currently working on putting the wheel covers into the vehicle. They are making new carbon fiber wheel covers for Spruce, the internal combustion engine vehicle.



Electric Motor team has been designing the first iteration of printed circuit boards for the new motor system and working to update the old system to improve efficiency. They have decided to power Magnolia with Acacia's electric motor this year because the new electric motor will not be completed by the time the vehicles must be shipped. This is why Supermileage has two-year design cycles. By next year's competition, the new electric motor will be ready. The new steering wheel will still be used in Magnolia.



The Internal Combustion Engine team is working hard to get the engine running. The starter motor and transmission work properly, but the team is still struggling to couple the starter motor to the Honda GX-25 engine to make it run. The wiring has been cleaned up and is no longer "noodle soup."



Spruce 2017, "Noodle Soup"



Spruce 2018

Driver Interface and Integration Team is working on putting all the seatbelts, brakes, aluminum steering system, and rearview mirrors into Magnolia. They 3D-printed some parts and manufactured others from aluminum.

Project Management worked to set up Unveiling, order Supermileage apparel for members, and book flights and hotels for competition.

The Race Strategy team has figured out how to ship the cars to Sonoma using a company suggested by Shell Eco-Marathon. The vehicles ship on April 9. Race Strategy is also working on compiling a list of dangerous goods that each subteam will be shipping because that list is required to ship our vehicles and tools.



Even our brake mounts go blue!

Unveiling

On March 28, Supermileage unveiled their 2018 vehicles Magnolia (battery-electric) and Spruce (internal combustion engine). We had a record number of attendees and we were proud to show off all our hard work to our friends, families, and sponsors. Thank you to everyone who was in attendance! Congratulations to the t-shirt raffle winners: Emma Burger, Don Goshorn, and Ellie Lewandowski.



Innovation Award

Supermileage was nominated for and won the Innovation Award at the Michigan Difference Student Leadership Awards. This award is given to a group whose work results in an invention or improvement to an existing product, service, process, or technology that creates new value for customers or that helps to address and/or analyze a societal problem.

Supermileage was chosen to win this award because the team works to improve fuel-efficiency and engineers innovations in its vehicles. Some innovations that were highlighted were our use of carbon fiber and our use of a weed whacker engine.



Sponsor visit: Boeing

Thank you to Boeing for visiting us in the Wilson Center! We appreciate your sponsorship and love it when people come to visit us in our workspace and see what we do. Thank you for gifting us the poster as well!



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