

Redback
Racing



Newsletter

JULY 2025



UNSW
SYDNEY



Table of Contents

Introduction **3**

July saw major manufacturing milestones, inspiring outreach events, and behind-the-scenes features from key Redback Racing departments.

Merch Updates **4**

RedBack Racing has officially sent its new, heritage-inspired and evolved merchandise collection—including apparel and accessories designed by the media team—to the supplier after months of creative development.

Composites Updates **6**

As the 2025 manufacturing season wraps up, the Composites Department, rebuilding with a new, upskilled team, has delivered a complete carbon composite bodywork package, refined resin infusion processes, and expanded its capability to produce advanced lightweight components for the car.

Internal Relations Updates **8**

June was all about bonding, competition, and a breather before FSAE-A, thanks to the Internal Relations department

Introduction

Welcome to the July edition of UNSW Redback Racing's newsletter.

July marks some important manufacturing updates, along with attending outreach events and more diligent work from our team members.

Some highlights include: the completion of frame welding for RB25's chassis, which is an exciting achievement for our hardworking chassis department. As well as the completion of some of our composite manufacturing at Quickstep, Bankstown by our Aerodynamics department. These are important milestones in the development of RB25.

In outreach news, UNSW Redback Racing attended the Empowering Excellence Industry Breakfast, as well as exhibiting at the Devsoc Starlight showcase and the Year 11/12 Gateway on campus day. All were very successful events where we aimed to inspire students and connect with professionals.

This month, we will also be including showcases from our Internal Relations, Media and Aerodynamics departments. This will offer a behind the scenes look at what it is like in these departments and what they do for the team.

Lastly, we would like to extend thanks to our amazing sponsors for their support thus far.

Be sure to read on for more exciting updates in this edition.

– By Harmony Lea Boonaerts





Merch Updates

Redback Racing Merch is Coming!

We're thrilled to announce a significant milestone: our internal merchandise collection has been officially sent to our supplier. This marks the culmination of months of design work and brings us one step closer to seeing our team proudly sporting the latest RedBack gear once again.



Design Philosophy.

This year, the design process hasn't been straightforward. Similar to our approach with RB25, we've embraced multiple iterations, taken on constructive criticism, and upheld high standards for both quality and representation. Specifically, we aimed to strike the right balance between honouring our heritage and proudly showcasing our team's evolution over the years. Some pieces are classic and true to our roots, while others are new and fresh, showcasing how Redback is also transforming and evolving.



– By Harmony Lea Boonaerts



Redback Racing – July Newsletter

www.redbackracing.com



Team Assignments

A huge special shoutout goes to our media team for spearheading this year's most ambitious merch project yet. While our engineering departments have been busy with RB25's development, our creative minds have been equally hard at work designing a collection that truly captures the RedBack spirit!

Our merchandise development spans an impressive range of items, from essential team apparel to unique accessories. Our beloved and staple polo shirts, t-shirts, and hoodies are all well underway thanks to our dedicated team members

Whats next?

The internal rollout represents just the beginning of our merchandise journey. Our next major initiative involves bringing external merchandise to the general public for the very first time. This will be an exciting opportunity to spread Redback Racing's name and share our passion with the broader community.

Stay tuned for updates as we continue this exciting journey from concept to your closet!

By Jessica Song





Composites Updates

As we approach the final weeks of the 2025 manufacturing season, the Composites Department reflects on a transformative year marked by both growth and innovation. Following the departure of key leadership at the end of 2024, the team began the season with a largely new cohort. With limited prior experience, we made it our priority to build technical capability across the board. This strong emphasis on upskilling has not only empowered our team members but positioned us to contribute meaningfully to major team-wide projects—most notably, the development of a monocoque chassis.



One of the key milestones this year has been securing the resources necessary to produce a complete carbon composite bodywork package. This advancement enables significant weight reduction and improved rigidity across the car's surfaces. Staying true to the aesthetic identity established in 2023 and 2024, this year's car will once again showcase raw 4x4 twill carbon with the distinctive V-seam pattern extending down the length of the vehicle—even into the footwells.

Building on the foundation laid in 2024, we have continued to refine our resin infusion process for large aerodynamic surfaces and bodywork panels. The second half of the manufacturing period has seen a marked improvement in productivity, driven by the skills development we've prioritised throughout the year. As a result, we've successfully produced more carbon components, replacing aluminium parts that were previously beyond the department's capability to fabricate due to limited team capacity.

With just a few weeks to go, the team is proud of how far we've come and excited to showcase the results of this season's hard work.

-By Lachlan Ambrogio



Internal Relations



Last month, we had the pleasure of celebrating our newest team members with a fantastic full team dinner followed by a stroll through Sydney's iconic VIVID light show.

With a huge turnout, we packed a spacious Korean restaurant. Keeping track of all the food orders turned was a good challenge, but once everyone was well fed, we set off into the night. Though the crowds and darkness at Darling Harbour briefly scattered us, we managed to hit all the best spots and somehow, without saying a word, reunited at Circular Quay. I guess that says something about the kind of connection that runs through this team. The night ended perfectly, with dessert and beautiful fireworks.

June also saw the launch of our inaugural Redback Sports Championship – an inter-department showdown filled with energy, camaraderie, and a hint of red card level threats. Across dodgeball and football matches, each department brought their A-game.

With the FSAE-A competition drawing closer, the stakes are high, but it's been refreshing to see the team take a break outside with some spirited, low-stakes fun. Only one match remains before the semifinals, and of course, only one department can come out on top.

– By Aishi Jain