



Larry Mason Finishes Season as Champion Runner-up

Auto Diagnostic Services



The Fiberglass Body



Jim Webb Motorsports



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Larry Mason started off the 2018 season with three podium finishes including two wins, but fell one spot short of clinching a back-to-back championship in 2018 in the SCCA Cal Club Championship finishing as champion runner-up. He also finished third in the SoPac Divisional Championship narrowly missing out on clinching back-to-back titles.

With the 2019 season schedule kicking off soon, that leaves little time for reminiscing. Instead, **Team LMR** is focused solely on a major rebuild of

the Auto Diagnostic Services Formula Mazda so that they can chase the checkered flag again in 2019.

Part of that rebuild includes the transmission and other parts on the car to be as prepared as possible for success in the coming season. Updates to the race trailer and pit equipment make for very little downtime. Mason is also focused on his fitness



Mason streaks across the line en route to another podium finish. Caliphoto

(both physical and mental) regimen to be sharp behind the wheel in the upcoming season. A multitude of training protocols are vigorously being worked.

Mason Keeps the Power to the Pedals in Triathlon

Part of Mason's training regimen for auto racing includes the sport of triathlon (swim, bike, run). Not only is his heart rate nearly identical in both sports (according to his Polar heart rate monitors), but the spirit of competition flourishes in both sports. The major difference for Mason is that as an individual triathlete, his hopes of winning are slim due to him having to walk the run portion as a result of lower extremity

injuries. That doesn't slow down his drive to compete to maximize his own potential. Besides, when he gets on the bike he can take advantage of his knowledge of proper cornering technique, braking and passing from his auto racing background. He recently did that at a local reverse triathlon (run, bike, swim) where he hammered on the bike portion to pass over half the field to finish in the top 50% in the race!



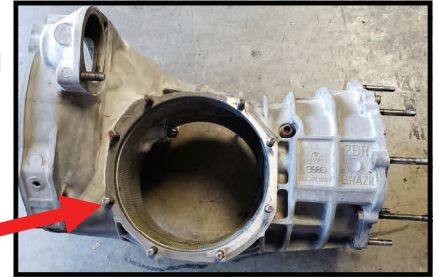
Mason happy with his performance after his last triathlon. Photo by Sonia Mason

Tech Tidbits—Formula Mazda Hewland 5-Speed Transmission

The Auto Diagnostic Services **Team LMR** Formula Mazda is equipped with a Hewland 5-speed manual transmission. The straight-cut gears are shifted in a standard H-pattern sequence with first gear being down through a detent and to the lower left with 2nd-5th in the standard H. The actual gearbox case is from a Volkswagen bus made out of magnesium with Hewland or Webster internal parts. The major parts of the gearbox include the ring and pinion

gear (which is the differential) and then two mating straight cut gears (one gear set) that go on a lay shaft and pinion shaft. The shift forks move the dog rings to engage each gear set. For example, a typical first gear ratio is a 17:34 and a typical fifth gear ratio is a 24:27. A lower first gear gives you better acceleration and a higher top gear gives you greater maximum speed. These gear sets can be changed to suit each track on the schedule. A visual inspection of these

gear sets and dog rings is part of normal maintenance.



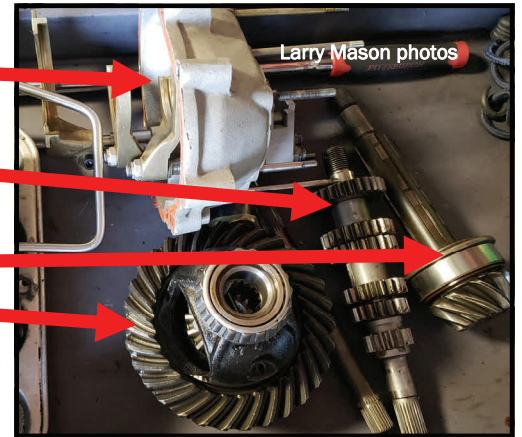
Empty gear-box case

Bearing carrier with shift forks

Lay shaft

Pinion gear/shaft

Ring gear



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"Unless you're leading, the scenery never changes." Larry Mason

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We look forward to hearing from you soon!

Merry Christmas and Happy New Year!

Our goal is to deliver maximum positive Return On Investment for our clients by cultivating long-term partnerships with the utmost integrity, concern, passion and commercially-viable, value-oriented results.

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