

TOYOTA RACING SERIES

2010



 **TOYOTA** | *Believe*

*We believe that if
you can dream it
you can do it.*

2010



New Zealand's Premier Single-seater Category

TRS provides fast, competitive racing continuing New Zealand's proud history of producing high quality single-seater driver's ready to step onto the international arena.

TRS cars are the fastest category of car racing in New Zealand and hold outright lap records at every circuit in the country.

TRS is the only class in New Zealand Motorsport able to offer aspiring racers vital experience driving a European spec carbon composite wings and slicks racing car.

TRS is Toyota's commitment to nurturing the next generation of top level racing talent.

TRS drivers compete for the coveted "Gold Star" award, Motorsport NZ's premier title and the Historic FIA sanctioned NZ Grand Prix, one of only two "Grand Prix" titles awarded outside Formula One.

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Building a Career Path

TRS continues to attract young rising stars from New Zealand and around the world including Australia, Europe, Asia and the UK who come to gain valuable off-season experience in an internationally relevant racing series.

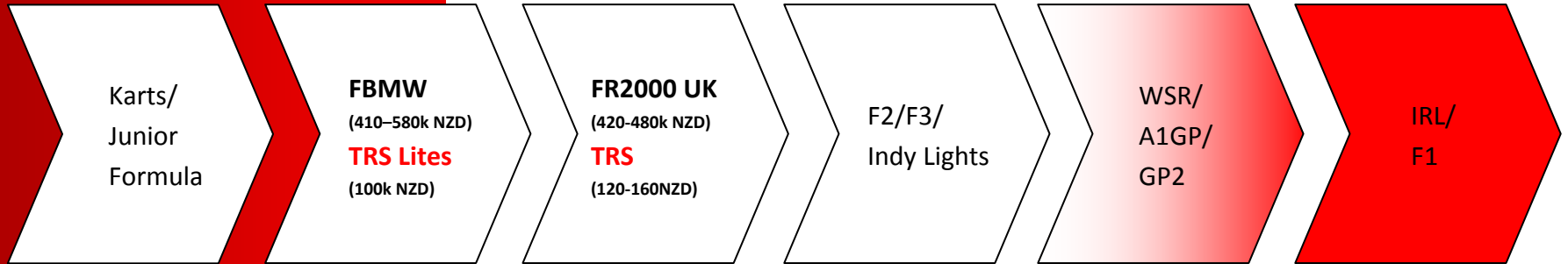
TRS provides international drivers the opportunity to compete in a four-round international "series within a series", which takes place over January and early February while the northern hemisphere is in the middle of winter.

TRS Provides a cost effective, professional, user-friendly environment to develop a skills base necessary to achieve in the higher levels of Motorsport.

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A Pathway to Success



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TRS Championship Class

TRS chassis are supplied by Tatuus in Italy and are constructed to full FIA Formula 3 safety standards.

TRS championship cars have a similar power to weight ratio as an F3 car.

TRS cars are powered by Toyota's reliable production based 2ZZ-GE engine, hand built by a contracted engine builder to ensure a reliable and consistent 215hp of performance.

TRS was the first "one make formula" in the world to use E85 ethanol biofuel. The E85 fuel has now been used for the past two seasons.

TRS Motec engine computers are sealed to ensure equality is maintained.

TRS use F3 spec Michelin tyres to provide consistent high quality performance.

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Toyota FT40 Championship Class

| | | | |
|-------------------------|---|------------------------|---|
| CHASSIS | Monocoque carbon, F.I.A. F3, Manufactured by Tatuus SRL, Milan, Italy | SHOCK ABSORBERS | Ohlins 2 Way adjustable |
| BODY | Carbon fibre | SPRINGS | 58mm x140mm |
| ENGINE | Toyota 2ZZ-GE 1800cc, 215hp | CALIPERS | 4 Pistons, Alcon |
| GEARBOX | Sadev Sequential, 6 speed, limited slip differential | BRAKE DISCS | Ventilated 274 x 17.5mm, Alcon |
| SAFETY HARNESS | 6 point, 3" shoulder and lap straps | WHEEL RIMS | Aluminium, centre bolt fixation, front 8 x 13, rear 10 x 13 |
| SAFETY | Fire system SPA, LED rear light | TYRES | Michelin F3 Specification slick and wet |
| FRONT SUSPENSION | Push rod, monodamper | WEIGHT | 550kg (with driver) |
| REAR SUSPENSION | Push rod, two dampers | FUEL | E85 Ethanol Bio Fuel |

2010

Series GUIDE



TRS Lites

A new innovation for the Toyota Racing Series in 2010

A transitional class, Lites compete in the same races as the Championship cars providing new drivers with their first taste of wings and slicks racing in an “arrive and drive” package managed and engineered by TRS.

“Lites” cars use the same FIA approved carbon fibre chassis and engine as the Championship cars however the engine is detuned to approx 150hp compared to the full spec 215 hp championship unit. The aero package is simplified with limitations on aerodynamic and mechanical settings which allows more emphasis placed on driver training.

Lites drivers receive coaching to hone their engineering knowledge, media skills, fitness and understanding of diet and nutrition - skills necessary to succeed in Motorsport. A cost effective, safe, high tech formula car supported by a development programme for engineers and drivers to develop their skills to an international level.

2010



Toyota FT40L TRS Lite Class

| | | | |
|-------------------------|---|------------------------|--|
| CHASSIS | Monocoque carbon, F.I.A. F3, Manufactured by Tatuus SRL, Milan, Italy | SHOCK ABSORBERS | Ohlins 2 Way adjustable |
| BODY | Carbon fibre | SPRINGS | 58mm x140mm |
| ENGINE | Toyota 2ZZ-GE 1800cc, <u>150hp</u> | CALIPERS | 4 Pistons, Alcon |
| GEARBOX | Sadev Sequential, 6 speed, limited slip differential | BRAKE DISCS | Ventilated 274 x 17.5mm |
| SAFETY HARNESS | 6 point, 3" shoulder and lap straps | WHEEL RIMS | Aluminium, centre bolt fixation, front 8 x 13, rear 10 x 13 |
| SAFETY | Fire system SPA, LED rear light | TYRES | Michelin F3 Specification slick and wet (<u>reduced allocation</u>) |
| FRONT SUSPENSION | Push rod, monodamper | WEIGHT | 550kg (with driver) |
| REAR SUSPENSION | Push rod, two dampers | FUEL | E85 Ethanol Bio Fuel |

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Series GUIDE



Series Calendar

TRS features five rounds throughout New Zealand including a four-round International “series within a series”.

TRS Championship consists of 15 races contested over 5 rounds.

TRS race weekends feature test sessions Thursday (selected rounds) and Friday, qualifying Saturday morning, race one Saturday afternoon and Races two and three (longer feature race) on Sunday.

TRS NZ Grand Prix is 35laps - 100kms race distance.

Round 1 15-17 Jan 10 Teretonga Park, Invercargill, Spirit of a Nation

Round 2 22-24 Jan 10 Timaru International Raceway, Timaru, Timaru Herald Trophy

Round 3 5-7 Feb 10 Hampton Downs, Auckland, New Zealand Motor Cup

Round 4 12-14 Feb 10 Manfeild Park, Feilding, NZ Grand Prix & Dan Higgins Trophy

Round 5 19-21 Mar 10 Taupo Motor Racing Circuit, Taupo, Denny Hulme Memorial Trophy

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Round 1 – 4 make up the International Series.

The Trophy Cabinet

Championship Trophies

- 2010 TRS Champion
 - Chris Amon Trophy
 - Butcher Cup
 - Race Gold Star
- Teams Championship
- International Trophy
- Premier Events Rookie of the year

Feature Race Trophies

- Spirit of a Nation (R1)
- Timaru Herald Trophy (R2)
- New Zealand Motor Cup (R3)
- Dan Higgins Trophy (R4)
- New Zealand Grand Prix (R4)
- Denny Hulme Memorial Trophy (R5)

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Professional Environment

TRS is a world class series supported by New Zealand's number one motor manufacturer Toyota.

- Integrated paddock featuring marquee style pit bays for each competitor.
- Power is supplied to the paddock area
- A set up pad with scales is available for the use of TRS competitors.
- Toyota Financial Services Paddock Club is a dedicated "Premium" serviced mobile facility available for drivers, sponsors and guests to enjoy in a relaxed friendly atmosphere. A complimentary guest pass is provided for each driver and one guest, additional passes can be purchased. A two course buffet lunch featuring local cuisine is provided Saturday and Sunday. Tea and coffee is available in our "café" throughout the day as well as free internet access.

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Professional Environment...

- Full spare parts service provided on site at race events. No investment in spare parts until required.
- All engines leased from Toyota Racing Management.
- Extensive technical support available including technicians, data analysts, carbon fibre repair and dedicated Technical Liaison and Scrutineering.
- Comprehensive Marketing of the series including Television coverage of all rounds, Television and Print advertising of the series.
- Dedicated media communications and promotional staff at all events.
- Media and Technical Training sessions as required.

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TRS Graduates

- **Brendon Hartley, NZ** – reserve driver for Red Bull and Toro Rosso F1
- **Earl Bamber, NZ** – A1 Team New Zealand.
- **Wade Cunningham, NZ** – Indy Lights
- **Jay Howard, UK** – Indy Pro Series Championship, IRL
- **Chris van der Drift, NZ** – FR2000, WSRenault, A1 Team New Zealand
- **Daniel Gaunt, NZ** – TRS Champion 2006 & 2007, Team A1GP NZ Rookie
- **Ben Clucas, UK** – 2006 Australian Formula 3 Championship
- **Steffen Moller, DM** – Danish Formula Renault Championship
- **Hamad Al Fardan, Bahrain** – British Formula Three, Asian GP2
- **Edoardo Piscopo** – A1GP Team Italy, Red Bull Junior Team, European F3
- **Shane van Gisbergen, NZ** – Stone Brothers Australia V8SC
- **Andy Knight, NZ** – 2008 TRS Champion – NZV8 Championship
- **Mitch Cunningham, NZ** - 2009 TRS Champion

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- **William Stevens, UK** – FR2000 UK Series
- **William Buller, UK** – FBMW Euro Series
- **Adderly Fong, HK** – German F3, FRV6 Asia
- **Nathan Antunes, Aust** – FBMW, FR2000 Euro
- **Scott Pye, Aust** – CAMS Rising Star

Media

TRS is an important activity within Toyota New Zealand's national marketing and this provides a platform for all TRS drivers to gain exposure through the series and its various activities.

TRS articles feature in almost every newspaper throughout the country.

TRS has a dedicated website www.toyotaracing.co.nz

TRS race packages are produced and featured on one of NZ's free to air network channels (delayed or live TBC). Sky TV, NZ's major sports channel replay race coverage an average of 3 times. Resource is directed to ensure production of quality colour stories and news items.

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Series Management

Toyota New Zealand

Executive John Fowke (General Manager Finance)

Motorsport Manager Steve Boyce

Toyota Racing Management (Category Manager)

Directors Barrie Thomlinson

Louise Thomlinson

Administration/ Events Jasmine Vercoe

Technical Operations Andrew Elliott

- Sporting/ Scrutineering
- Data/ Electronics
- Logistics/ Spare Parts
- Carbon Fibre
- Hospitality
- Merchandise and Promotions
- Television/ Media

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Contacts

If you want to be a part of this highly competitive series then please contact us.

Toyota Racing Management

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