

**RPM Slot Car Raceway**

# **STATE OF ORIGIN**

# **SHOWDOWN**

**WEDNESDAY 18<sup>TH</sup> OF JUNE 2025**



**60 – 62 BOAT HARBOUR DRIVE**

**PIALBA QLD 4655**

## **EVENT TIMETABLE**

**WEDNESDAY 18<sup>TH</sup> OF JUNE**

**TRACK OPENS 10AM – FREE PRACTICE until 5PM ON FLEXI & KING track**

- **FLEXI DTM SEDAN ON FLEXI TRACK**
- **KC 4500KV GTP ON KING TRACK**

**Cars must be ready for Scrutineering by 4.45pm**

### **ADDRESS:**

**60-62 BOAT HARBOUR DRIVE**

**PIALBA QLD 4655**

### **GENERAL RULES**

**A Team entry shall be deemed to consist of two drivers and one car per track. The Team having paid their entry fees for an event shall comply with the regulations as set down and abide by the decision of the race director / race committee. Cars and scrutineering must comply with the specifications for their class and any relevant general rules at all times while racing. All repairs and replacement parts must comply with the specifications for their class. Any component may be replaced with the exception of chassis or body. Cars will be inspected before qualifying and prior to all finals. After preliminary inspection all cars will be impounded. Any car may undergo a tear down inspection after racing. The scrutineer's interpretation of the class rules shall be final. The scrutineer is also empowered to rule on any area of the cars construction not**

**specifically covered by the rules. Any other areas not covered by these rules will be dealt with by the race committee. Drivers and their pit crews are expected to conduct themselves in a professional manner at all times. Abusive, offensive or unsportsmanlike conduct will result in immediate penalties being imposed. Drivers are warned they are responsible for the conduct of their pit crews**

**A race committee will be formed comprising of 3 independent drivers as selected by the race director to adjudicate on any matter or dispute that is or may not be covered by these rules, this will be done in conjunction with the race director and Scrutineer.**

**Any dispute arising during a race will be dealt with on the spot, the race will be suspended, and the race committee will meet and make a decision regarding the dispute within a 2-minute time frame. The race committee's decision will be final. Once a decision has been formed and handed down the race will resume.**

### **Controllers and driving**

**Any controller device may be used as long as it does not increase voltage to the track. The race director may inspect controllers at his discretion. Any device deemed to interfere with the track computer system shall be banned from the event. Only the driver may operate any device that controls their car on the track. There must be no outside assistance in the operation of controllers or chokes etc. Drivers must stand at the control panel for their lane when driving. Only drivers in the current race will be allowed at the driver's panel. Special consideration will be given to disabled drivers.**

### **Marshalling**

**The race director will advise Drivers of their marshalling duties. Failure to perform required duties will result in a penalty. Drivers who are unable to marshal due to a disability are required to nominate an acceptable substitute.**

### **Penalties**

**If required, the race director will apply penalties for rule infractions. Penalties may range from warnings to exclusion from the event.**

### **Black flag**

The race director will demand the removal from the track of any car which is dragging on the track, interfering with other cars or continually de slotting. The car may be repaired and returned to the track. **Cars that cause multiple track calls will be asked to take it off and inspect for 10 seconds before resuming the race.**

### **Guide and lead wire**

Any brand of guide may be used. Guide clips may be used. Any lead wire may be used.

### **Front wheels**

Cars where applicable must be fitted with two front wheels located in the normal position. Must be equipped with rubber type tyres. Wheels must contact the track surface before any part of the chassis when the car is rocked from side to side. Minimum wheel diameter .500" for all classes. Wheel stickers are acceptable in Sedans.

### **Rear wheels**

Any compound rear wheels may be used. No Speed type rubber or rubber deemed as Speed type rubber may be used in any race. Determination will be at the discretion of the Race Director. Use of this rubber may result in penalties to the racer, up to and including disqualification.

### **Bodies**

An entrant may only use one body per class. Bodies will be supplied by RPM Slot Car Raceway. Bodies must cover the entire chassis and the guide. No parts may protrude other than rear tyres. Where a particular body or range of bodies is specified, they must be ON the manufacturers intended cut line. Bodies must be painted to appear opaque with the exception of windows, which must be left clear. Front wheel arches must also be left clear or cut so that front wheels are inside of the car front to rear side to side and clearly visible. Bodies may be reinforced with tape and / or other suitable materials. Air controls devices must be clear or translucent although stickers, stripes and tape may be added. Front edges of side dams should be taped to avoid injury to marshals and spectators.

## **CLASS CLEARANCE AND WIDTH**

**SEDANS: .047 AND 85MM**

**GTP: 047 AND 85MM**

## **GOOING:**

For both classes, tracks will be conditioned by the race director prior to commencement of racing and as deemed necessary between races. No other traction compound may be added to the track. It has been found that the use of natural rubber compounds leads to a build up of rubber on the track, which can make racing most unpredictable. If this should occur the race director may choose to clean and condition the affected area between races.

## **RACING FORMAT**

**ALL CLASSES ARE FINALS ONLY**

## **ALL CLASSES**

**Will Be seeded as fast to slow. Fastest qualifiers in the last race. All cars are impounded after qualifying.**

**No artificial cooling spray or otherwise permitted in qualifying.**

# **FLEXI “ DTM “ SEDAN**

**RACE DURATION: 48 mins on Flexi track plus total track time, 2 minute break between brackets**

**QUALIFICATION IS 60 SECONDS – 1 driver selected**

**FINAL 6 MIN / 2 MIN LANE CHANGE**

**BODY : ABCD DTM BMW BODY .007 CUT ALONG MANUFACTURERS CUT LINE, YOU MAY CUT OUT THE BACK, NO INTERIOR REQUIRED, WHEEL STICKERS PERMITTED**

## **CHASSIS:**

**JK C21 ONLY** All original dimensions, mounting points and basic configuration must be retained with the following exceptions. - NO alum side pans, plating may be removed to facilitate soldering of chassis parts. Rear axle tube and /or wire brace may be added. Motor may be soldered in place. Rear axle height may be altered provided no material other than plating is removed. Tape may be used to aid in chassis performance. Front axle where fitted, maximum diameter 0.062” Front wheel retainers may be substituted or soldered in place. Front axle may be soldered in place or braced to prevent rotation.

## **REAR AXLE:**

**3/32 ONLY, OILITE TYPE BUSHINGS ONLY, MAY BE GLUED OR SOLDERED IN PLACE**

## **GEARS:**

**64P GEARING**

**Pinion: 13 Tooth 64 Pitch**

**Spur Gear: 36 Tooth 64 Pitch**

## **MOTOR:**

**PLAFIT CHEETAH 4 ONLY, NO MODIFICATIONS AT ALL, ANY SIGNS OF TAMPERING WILL BE AN INSTANT DQ**

## **TYRES:**

**ANY 3/32 COMMERCIALLY AVAILABLE WITH A MAXIMUM DIAMETER OF .740**

# KC 4500KV GTP

**RACE DURATION: 48 mins on King track plus total track time, 2 minute break between brackets**

**QUALY 60 SEC - 1 driver selected**

**FINAL 6 MIN / 2 MIN LANE CHANGE**

**BODY: ABCD GT66 Body .007 CUT ALONG MANUFACTURERS CUT LINE, YOU MAY CUT OUT THE BACK, NO INTERIOR REQUIRED, WHEEL STICKERS PERMITTED**

## **CHASSIS:**

**ANY COMMERCIALLY AVAILABLE "FLEXI" STYLE CHASSIS NO ALUMINIUM PANS ALLOWED** All original dimensions, mounting points and basic configuration must be retained with the following exceptions. - Plating may be removed to facilitate soldering of chassis parts. Rear axle tube and /or wire brace may be added. Motor may be soldered in place. Rear axle height may be altered provided no material other than plating is removed. Tape may be used to aid in chassis performance. Front axle maximum diameter 0.062" Front wheel retainers may be substituted or soldered in place. Front axle may be soldered in place or braced to prevent rotation.

## **REAR AXLE:**

**3/32 SOLID OILITES OR BALL BEARINGS MAY BE USED MAY BE GLUED OR SOLDERED IN PLACE**

## **GEARS:**

**64P GEARING**

**Pinion: 12 Tooth 64 Pitch**

**Spur Gear: 35 Tooth 64 Pitch**

## **MOTOR:**

**KC RACING 4500KV ONLY**

**ESC: +ONE, WESTROCK, DO SLOT, MID AMERICA ONLY MAY BE USED**

**TYRES: ANY COMMERCIALLY AVAILABLE TYRE MAY BE USED .500 HUB ONLY MAY BE CUT DOWN**

**No working on cars during Lane Change.**

**Tyres and Braid must be changed during timed racing.**

**The winner of each class will be the team with the most laps accumulated during the race minor placings will follow on respective laps numbers accumulated throughout the field.**

**12 teams of two.**

**6 teams will be drawn out of a hat to compete on the Flexi track for Flexi DTM Sedans, and the other 6 teams will compete on the king track for the Brushless 4500kv GTP race.**

**Teams will switch between drivers per bracket. No team member is to race two brackets simultaneously.**

**After the completion of the first races, there will be a 10 minute intermission before teams switch tracks and cars.**

**Qualifying will conclude before the start of the first race to determine lane colour choices. Lane colours will be determined by laps completed in the first race for the start of the second race.**

**It is the responsibility of the racers to provide their own cars for racing.**

**Bodies to be provided by RPM Raceway.**

**Trophys and prizes awarded to 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> teams.**

**Entry Fee: \$30 per team**



**LOCAL ACCOMMODATION AVAILABLE:**

**Pialba Motor Inn – 29 Boat Harbour Drive, Urraween Qld 4655. (07) 4128 1911**

**Mantra Hervey Bay – Buccaneer Drive, Urangan Qld 4655. (07) 4197 8200**

**BIG4 Hervey Bay Holiday Park – 26 Corser Street, Point Vernon Qld 4655. (07) 4128 1423**

**Discovery Parks Hervey Bay – Fraser Street, Torquay Qld 4655. (07) 4124 9999**

**Comfort Inn Hervey Bay – 66 Main Street, Pialba Qld 4655. (07) 4128 3666**

**Race Directors:      Mick Belot            (King Track)**

**To be updated      (Flexi Track)**

**Scrutineers:            Mick Belot**  
**Dan Roberts**

**Race Committee:    Brett Baker**  
**Grant Healey**  
**Dan Roberts**

**7.30 - Dinner and Drinks will be supplied by RPM Slot Car Raceway and State of Origin on the Big Screen at the Raceway.**