

2019 Australian Slot Car Nationals

19th – 21st April 2019

Presented By



2 Temples Lane
Mackay, QLD 4740
(+61) 7 49525014
www.slick7raceway.com.au

EVENT TIMETABLE

Thursday 18th April

10:00 AM Raceway Open
10:00 PM Raceway Closed

Friday 19th April

8:00 AM Raceway Open
9:45 AM Entries Close Hawk GT1
10:00 AM Qualifying Starts Hawk GT1
1:15 PM Entries Close LMP S16D
1:30 PM Qualifying Starts LMP S16D
4:45 PM Entries Close GTP12
5:00 PM Qualifying Starts GTP 12
10:00 PM Raceway Closes or 1 hour after GTP12 Final. Whichever is later.

Saturday 20th April

8:00 AM Raceway Open
9:45 AM Entries Close Wing 12
10:00 AM Qualifying Starts Wing 12
1:45 PM Entries Close International 15's
2:00 PM Qualifying Starts International 15's
5:15 PM Entries Close O.M.O.
5:30 PM Qualifying Starts O.M.O.
10:00 PM Raceway Closes or 1 hour after O.M.O Final. Whichever is later.

Sunday 21st April

8:00 AM Raceway opens
9:30 AM Entries close 27 Lite
9:45 AM Qualifying starts 27 Lite
2:30 PM Entries close Opens
2:45 PM Qualifying starts Opens

A minimum of 10 minutes between heats and final.

Minimum 1hr between end of final and start of next class.

No event shall start before its advertised time.

30 minutes after conclusion of Open Final will be presentations and a BBQ.

The Track:

155ft Ogilvie Blue King with 6 power taps. The plug for controller is the standard Australian house hold female plug.

Power:

Track is powered by 2x1000 amp batteries with 2 60 AMP power supplies and 1 large capacitor. RH Braid in direction of travel is positive. Race and Qualifying power is 13.8v.

Race System

LapMaster is the race program that we will be using. There will be **NO** Race to the line in the final bracket.

More Information:

For more information about this event please contact us by phone (07)49525014 or 0458 507 182
Or email ross@slick7raceway.com.au

Address:

Slick 7 Raceway
2 Temples Lane
Mackay QLD 4740

GENERAL RULES

Race Entry

Drivers may compete in any or all events. An entrant shall be deemed to consist of one driver and one car. The entrant 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 Directors

Ben Sclater, Ross Gay & Carl Neilson.
Race Directors will oversee scrutineering and will not participate in that event.

Cars and scrutineering

Cars 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. All cars moving up will be impounded after heat, q/final, and semi. Any car may undergo a tear down inspection after racing. The scrutineer's interpretation of the rules shall be final. The scrutineer is also empowered to rule on any area of the cars construction not specifically covered by the rules.

Drivers conduct

Drivers and their pit crews are expected to conduct themselves in 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.

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

Only one guide per car. Guide clips may be used. Any lead wire may be used.

Front wheels

All cars must be fitted with two front wheels located in the normal position. Must be equipped with rubber type tyres. (Full rubber type wheels are acceptable on wing cars only) 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 GTP12 and all wing classes.

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. Any hub size, drilling and waffling is permitted unless stated otherwise in the class rules.

Bodies

An entrant may only use one body per class. Air control devices may be replaced if damaged during racing. All bodies must be commercially available. 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. Interiors, where required must be painted a minimum of three colours so as to maintain an appearance of realism and be of the correct scale and size to cover the entire cockpit. 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.

HAWK GT1

Entry fee \$20.00

Race duration

Qual is 60 seconds no bye

Heats 90 seconds / 90 second lane change

Quarter final 90 seconds / 90 second lane change

Semi-final 2 min / 90 second lane change

Final 3 min / 120 second lane change

Body

REDFOX LADA 2018 ISRA

Cut on the manufacturer cut line.

Chassis

Any commercially available pressed steel group 10 type chassis may be used. 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. Body 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. Wheel stickers will be permitted on chassis that do not come from factory with front wheel provisions.

Gears

Any unmodified 48 or 64 D.P. gears.

Rear axle

1/8 or 3/32 solid only

Oilite type bushings only may be glued or soldered in place.

Tires

Plain hub maximum diameter in hub .500.

Motor

JK Hawk 7 Only **with 7's engraved on it.**

NO MODIFICATIONS AT ALL

Any signs of tampering the car will be DQ

SUPER 16D LMP

Entry fee \$20.00

Race duration

Qual is 60 seconds no bye

Heats 90 seconds / 90 second lane change

Quarter final 90 seconds / 90 second lane change

Semi-final 2 minute bracket / 90second lane change

Final 3 minute bracket / 2 minute lane change

Body

RED FOX LOLAC RFSC27C

Body to be cut on the manufacturer cut line.

Chassis

Any commercially available group 10 pressed steel type chassis. All original dimensions and mounting points and basic configuration must be retained with the following exceptions:- Alum side pans will be permitted 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. Body 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. Wheel stickers will be permitted on chassis that do not come from factory with front wheel provisions.

Gears

Any unmodified 48 D.P or 64 D.P gears

Rear axle

1/8 or 3/32 solid only

Oilite type bushings only may be glued or soldered in place.

Tires

Plain hub maximum diameter in hub .500.

Motor

Parma 500,501, 502 standard, Deathstar Parma 498 IX rotor setup or Fastone's AT midnight setups are P/slot FX setup Kelly D Can and Camen Demon Setup will permitted Must use all original hardware including endbell, brush hoods buss bars and spring posts. Endbell and hardware may not be modified in any way with the exception of honing of the hoods to take big foot brushes. Only endbell to can screws may be added or substituted. Can may not be modified except for the following. Notching for axle clearance. Removal of paint or plating to facilitate soldering. Oilite hole may be centered and can may be straightened. Oilite type bushing only may be glued or soldered in place. Magnets must be of original type for set up must be located by original retainers a small amount of glue will be permitted to stop forward and aft movement of the magnet. Magnets may be remagnetised. Any springs and brushes may be used. Shunt wire and insulation is not permitted.

Armature

Permitted Armatures any Parma, PSE, Pro-slot, RJR/Viper, Best of the West Super S16D armature with a minimum stack length of .490" and minimum diameter of .520" and 60 series wound turns of 28 gauge [AWG] wire. Armature spacers and com truing permitted.

GTP12

Entry fee \$20.00

Race Duration

Qual is 60 seconds no bye

Heats 2 minute bracket / 90second lane change

Quarter final 2 minute bracket / 90second lane change

Semi final 2 minute brackets / 90second lane change

Final 3 minute bracket / 2 minute lane change

Body

RacerX Lexus GTP

Driver must be painted a minimum of three colours.

Maximum height of 44mm

Chassis

Any group 12 sedan type chassis **NO** wing car chassis will be permitted. C11 chassis is allowed.

Gears

Any

Rear axle

Any 3/32 or 1/8 solid only.

Oilite bushings or ball bearings may be glued or soldered in place

Tires

Plain hub maximum diameter in hub .500.

Motor

Any mass produced full size c/can set up. No strap cans any mass-produced c/can endbell excluding those made for from a metal or alloy of metals. Must use original brush hoods and buss bars, spring post may be substituted. Endbell and hardware may not be modified in any way Endbell to can and hardware screws may be added and or substituted. Can may not be modified in any way except for the following. Notching for axle clearance. Removal of paint to facilitate soldering Oilite hole may be centred. A small hole may be drilled in each side of the can to aid in the gluing of magnets (2mm max) Oilite bushing or ball bearing in endbell and can. Any full can height, single piece ceramic magnet may be used. [No quads Except for Proslot SMQ] Magnets may not contain rare earth materials defined as elements with the atomic weight 58 through 71. Magnets may be glued, shimmed, radiused and polished. Any brushes and springs may be used. Shunt wire and insulation may be used. Any tagged X-12 or X12+ armature with a minimum stack length of 0.350" and minimum 50 series wound turns of 29-gauge AWG wire may be used. Minimum armature diameter 0.512" Armature spacers may be used.

WING 12

Entry fee- \$25.00

Race duration

Qual is 60 seconds no bye

Heat 2 minute bracket / 2 minute lane change

Quarter final 2 minute bracket / 2 minute lane change

Semi final 2 minute bracket / 2 minute lane change

Final 3 minute bracket / 3 minute lane change

Body

Any winged body. Interiors are required PSE wing car interior are permitted. See general rules bodies

Chassis

Any commercially available "Box Stock" style chassis

Car weight

64 Grams at all times.

Gears

Any

Rear axle

Any 3/32 or 1/8 solid only. Oilite bushings or Ball bearings may be glued or soldered in place

Tires

Plain hub maximum diameter in hub .500.

Motor

Any mass produced full size c/can set up. No strap cans any mass-produced c/can endbell excluding those made for from a metal or alloy of metals. Must use original brush hoods and buss bars, spring post may be substituted. Endbell and hardware may not be modified in any way Endbell to can and hardware screws may be added and or substituted. Can may not be modified in any way except for the following. Notching for axle clearance. Removal of paint to facilitate soldering Oilite hole may be centred. A small hole may be drilled in each side of the can to aid in the gluing of magnets (2mm max) Oilite bushing or ball bearing in endbell and can. Any full can height, single piece ceramic magnet may be used. [No quads Except for Proslot SMQ] Magnets may not contain rare earth materials defined as elements with the atomic weight 58 through 71. Magnets may be glued, shimmed, radiused and polished. Any brushes and springs may be used. Shunt wire and insulation may be used. Any tagged X-12 or X12+ armature with a minimum stack length of 0.350" and minimum 50 series wound turns of 29-gauge AWG wire may be used. Minimum armature diameter 0.512" Armature spacers may be used.

International 15

Entry fee- \$25.00

Race duration

Qual is 60 seconds no bye volts

Heat 2 minute bracket / 2 minute lane change

Quarter final 2 minute bracket / 2 minute lane change

Semi final 2 minute bracket / 3 minute lane change

Final 3 minute bracket / 3 minute lane change

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis

Any

Rear axle

Any

Gears

Any

Motor

Any mass-produced strap or 'u' bend type cans are permitted.

Minimum internal width .835"

Cut out and machine work are permitted.

Any ceramic magnets may be used Rare earth materials are forbidden.

Magnets may be shimmed, glued, radiused and polished.

Any end bell and hardware may be used.

End bell to can mounting screws may be added and / or substituted.

Any brushes and springs may be used.

Shunt wire and insulation are permitted.

Any bearings allowed. May be soldered or glued in place.

Any machine wound, tagged "15" or "INT15" armature with a minimum stack length of .440" and a minimum of 50 series wound turns of 29 gauge [AWG] wire may be used.

Armature spacers may be used.

27 Lite

Entry fee- \$25.00

Race duration

Qual is 60 seconds no bye

Final Only 4 minute bracket / 3 minute lane change

Cars must start race how they qualify. Therefore, they will be impounded after qualifying and placed on the start line by officials.

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis

Any steel Chassis

Rear axle

Any

Gears

Any

Motor

Maximum of 2 motors.

Single magnets (no larger than 400x440 +-5%).

Any tagged 27 armature with a minimum stack length of .440 and a minimum 38 series wound turns of 27 gauge (AWG) wire may be used.

O.M.O.

Entry fee- \$25.00

Race duration

Qual is 60 seconds no bye

4 minute bracket / 3 minute lane change.

Cars must start race how they qualify. Therefore, they will be impounded after qualifying and placed on the start line by officials.

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules –bodies

Chassis

Any

Rear axle

Any

Gears

Any

Motor

Any open type motor. Only 1 motor to be used.

G7/Opens

Entry fee- \$30.00

Race duration

Qual is 60 seconds no bye

Heat 2 minute bracket / 2 minute lane change

Quarter final 2 minute bracket / 2 minute lane change

Semi-final 3 minute bracket / 3 minute lane change

Final 5 minute bracket / 4 minute lane change

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis

Any

Rear axle

Any

Gears

Any

Motor

Any open type motor.

Prize Pool for G7

\$100 for TQ if the current record of 1.985 broken.

Accommodation

Hotels deals will be provided in this document by June 2018.