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PRO COMPACT

Class Designations: PC preceded by car number.

Pro Compact will race utilising a Heads Up Pro Tree and will race using a Chicago Shootout format for field sizes of 16 to 6 or elimination style for fields over 16. It is designed for full-bodied purpose-built, Pro Stock style RWD race vehicles using 4-cylinder or 6-cylinder or 2-rotor or 3-rotor engines. Full tube chassis permitted for 4cyl or 2-rotor powered vehicles only. Maximum of 2 power adders permitted.

CLASS REGULATIONS

Minimum Weights

- 4 Cylinder – 1,950 pounds/ 884.5kgs
- 6 Cylinder up to 3.0Ltr – 2,300 pounds/ 1,043.2kgs
- 6 Cylinder 3.1Ltr to 4.1Ltr – 2,400 pounds/ 1,088.6kgs
- 2 Rotor – 1,950 pounds/ 884.5kgs
- 3 Rotor – 2,200 pounds/ 997.9kgs

All weights include driver, verified after the run. Sport Compact Group reserves the right to amend weights in order to maintain parity in the class.

Engine

Engine: Engine swaps permitted. Any production 4, 6 cylinder or 2 or 3 rotor engine permitted. Aftermarket block or cylinder heads permitted. Replacement cylinder head must bolt to original block, and function, with no modifications. Replacement block must accept original cylinder head, and function, with no Modifications. Maximum 2 power adders. Dual stage nitrous systems or multiple superchargers/turbochargers will be counted as one power adder each. Deck-plate and/or welding on deck surface prohibited. Dry sump permitted. Use of vacuum pump for evacuation of crankcase pressure permitted. Refer General Regulations 4.1.2.1 and 4.1.2.2

Accepted engines: - 4 Cylinder Maximum capacity 3.0 Ltr
 6 Cylinder Maximum capacity 4.0 Ltr.
 2 Rotor or 3 Rotor

Exhaust: Open exhaust permitted, except where prohibited by track rules. All open exhaust outlets must terminate below the centre line of the front wheel. All turbocharged vehicles must have two 3/8 inch (10mm) bolts inserted across the diameter of the turbine outlet pipe at 90 degrees to each other, to obstruct the exit of debris in the event of a turbine failure. Refer ANDRA General Regulation's 4.1.4

Fuel: Ethanol, methanol or petrol only. Refer ANDRA General Regulation's 4.1.6 and 4.1.7.

Fuel System: Refer ANDRA General Regulations 4.1.8.2

Intercooler: Permitted. Refer ANDRA General Regulation's 4.1.8.3

Liquid Overflow: Required. Refer General Regulations 4.1.9

Lower Engine Containment Device: Required on all piston-engine cars using power adders quicker than 9.00 seconds (1/4 mile)/5.70 seconds (1/8 mile). Refer ANDRA General Regulation's 4.1.10.

Nitrous Oxide: Permitted. Refer ANDRA General Regulation's 4.1.12.

Supercharger, Turbocharger: Permitted. Refer ANDRA General Regulation's 4.1.14

Driveline

Driveline: Driveshaft protection required. Refer ANDRA General Regulation's 4.2.4

Flywheel Shield: All manual-transmission-equipped RWD cars must have a steel or titanium bell housing. Cars for which an SFI Spec 6.1, 6.2, 6.3, or 9.1 flywheel shield is not available may use an SFI flywheel shield from another application bolted to a motor plate that is bolted to the engine at all available bolt holes, or use a fabricated shield made of 1/4-inch (6.3mm)-thick steel, surrounding the bell housing 360 degrees, extending 1 inch (25mm) forward and 1 inch (25mm) rearward of the rotating clutch assembly. Shield must be securely attached to frame or frame structure; may be multi-piece. Refer General Regulations 4.2.6

Transmission, Automatic: Trans brake permitted. Refer ANDRA General Regulation's 4.2.1.1, 4.2.1.2, 4.2.2 and 4.2.8

Transmission, Manual: Any transmission permitted. Automated, timer-type, electric, electronic, hydraulic, etc. shifting mechanism prohibited; each individual shift must be a function of the driver and can be made manually, electronically or pneumatically. Clutchless transmissions up to five forward speeds permitted.

Brakes and Suspension

Brakes: Four-wheel hydraulic brakes mandatory. Refer General Regulations 4.3.1

Steering: Aftermarket steering gear permitted. Refer General Regulations 4.3.3

Suspension: Refer General Regulations 4.3.2 and 4.3.4

Wheelie Bars: Permitted. Maximum length 75 inches (1,905mm) from rear bumper. May be adjustable, but must be fixed during run. Any movement or adjustment during run prohibited. Pneumatics, hydraulics, electronics, etc. prohibited. Wheelie-bar wheels must spin free at the starting line. Any preload prohibited.

Frame

Ballast: Permitted. Refer ANDRA General Regulation's 4.4.2

Chassis: 4 cylinder & 2-rotor powered vehicles may utilise a full tube chassis. 6 cylinder & 3-rotor powered vehicles are limited to a maximum of a ¾ chassis. FWD and AWD vehicles may be converted to RWD configuration. Roll cage mandatory. Refer ANDRA General Regulation's 4.4.7.1, 4.4.7.4 and 4.4.8

Ground Clearance: Refer ANDRA General Regulations 4.4.4

Wheelbase: OEM wheelbase plus 10 inches (254mm) maximum or minus 2 inches (50mm) maximum. [Maximum wheelbase 115 inches \(2921mm\) regardless of OEM wheelbase. Vehicles with a current ANDRA Technical Inspection and Log Book at 31 December 2009 with a wheelbase exceeding the 115inch maximum will be permitted to continue to compete until retired.](#) Maximum wheelbase variation from left to right is 1 inch (25mm).

Tyres and Wheels

Tyres: Racing slicks permitted. Refer General Regulations 4.5.2

Wheels: Must be automotive-type wheels suitable for street or racing use. Minimum wheel diameter 13 inches (330mm). Wheel studs must be threaded into hex portion of wheel nut a distance at least equal to the diameter of the stud. Refer General Regulations 4.5.3

Interior

Interior: Optional. Minimum of drivers seat required. Holes, slots, or other openings in floor and/or firewall prohibited. Refer General Regulations 4.6.1

Body

Airfoils / Spoilers / Wings: Permitted. Airfoils / Wings / Spoilers may NOT be wider than the widest part of the vehicle body. Any movement or adjustment during a run is NOT permitted.

Body: Any automotive or light truck body permitted. All bodies must be painted and in good cosmetic condition. Mild customising permitted. Must retain full-bodied size and appearance, with minimum 2 functional doors. Lightweight body panels permitted. One-piece front clips permitted. Maximum front overhang 45 inches (1143mm) measured from front most part of vehicle to the centre of front axle.

Street Equipment: Headlights and taillights may be painted on. Operative taillight required. Refer ANDRA General Regulation's 4.7.7

Windshield/Windows: OEM glass may be replaced with Polycarbonate or other shatterproof material, minimum thickness 1/8-inch (3.1mm).

Electrical

Batteries: Refer General Regulations 4.8.1.1 and 4.8.1.2

Computer: Vehicle management systems prohibited. Electronic fuel injection permitted. Aftermarket and piggy back computers permitted. Refer General Regulation 4.9.2

Data Recorder: Permitted. Speed sensors on any un-driven wheel prohibited. Refer ANDRA General Regulation's 4.9.3.

Ignition: Any ignition system permitted. Rev limiters and two steps permitted. Refer General Regulations 4.8.3

Driver and Safety

Arm Restraints: Refer General Regulations 4.10.2

Fire Extinguisher System: Permitted. Refer General Regulations 4.9.4.1 and 4.9.4.2.

Head Protector: Required. Refer General Regulations 4.10.7.1

Helmet: Required. Refer General Regulations 4.10.8

Licence Requirements: Must have ANDRA UDL as a minimum. Subject to track sanction requirements. Refer Credentials 4.10.3

Neck Collar: Refer General Regulations 4.10.7.2

Parachute: Mandatory. Refer ANDRA General Regulation's 4.4.6

Protective Clothing: Required. Refer General Regulations 4.10.10.

Safety Belts: Required. Refer General Regulations 4.10.11

Window Net: Refer ANDRA General Regulations 4.6.2

General

Racing: Pro Compact will utilise a Heads Up Pro Tree start and will race using a Chicago Shootout format for field sizes of 16 to 6 or elimination style for fields over 16.

Record setting: To be eligible to set a Pro Compact Class Record, vehicles must meet the minimum weights and all class rules. Only Qualifying, Eliminations and Final round runs can be counted towards ET/MPH records. To set a record, it must be backed up by a second run within 1%. It is the driver's responsibility to present the vehicle to the scrutineering shed immediately after a run if they feel a record has been set. Failure to do so will forfeit the record. Officials will verify weight after a run if the racer feels they have set a record for that class. The record is only awarded to that driver holding the record at the end of the event.

Sponsor Decals: All racers must display the event and class sponsor decals on both sides of the race vehicle at all times during the event. Decals must be in a prominent location, clearly visible as required by Sport Compact Group Pty Ltd. Failure to do so will forfeit any prize purse posted and may lead to disqualification. No other event decals permitted.

Tow Vehicles: Permitted. Refer General Regulations 4.9.9.1 and 4.9.9.2

Warm Up Procedure: Refer General Regulations 4.9.11

Weighing: All Pro Compact vehicles must report to the scales after every pass, win or loss in qualifying or racing. Failing to do so in qualifying will have the run disallowed. Racers failing to do so in racing will be disqualified.