

# IMCA SPORT COMPACT

Cannot be licensed in any other division and must be at least 14 years old.

1. **SAFETY EQUIPMENT:** Rules apply at all times car is on the race track. Snell-rated SA2000 or SA2005 helmet required. Roll bar padding required in driver compartment (Fire retardant recommended). SFI-approved full fire suit, fire retardant neck brace, gloves and shoes required. Recommended: Fire retardant head sock and underwear; head and neck restraints; collapsible steering shaft. Driver-side window net required, minimum 16"x20" ribbon or mesh style, and must be mounted so latch is at top front of window. Minimum three-inch wide five point safety belt assembly required (Y-type shoulder harness not allowed) must be mounted securely to roll cage, recommended to be no more than one year old. Kill switch required within easy reach of driver and must be clearly marked "OFF" and "ON".

2. **BODY/CHASSIS:** Must have originally been at least 4 passenger, front wheel drive only. Maximum wheelbase 104 inches. Must be unaltered O.E.M. **NO GUTTING!!**

Exceptions are; Sunroof and T-tops must be enclosed with steel. Hood and trunk/ hatch must be securely fastened. All glass must be removed and openings remain uncovered. All doors must be welded or bolted. All exterior lights, chrome/plastic trim and hood insulation must be removed. Bumpers must be welded, chained or cabled to frame.

3. **ROLL CAGE:** All tubing must be 1 3/4 inch O.D. and .095 inch wall thickness. Four post roll cage required. Must be welded to minimum 4 inch x 4 inch x 1/8 inch plates which must be bolted to similar plate beneath floorpan (sandwiched) using four 1/2 inch grade 5 bolts through each plate. Must have diagonal bar in rear hoop with horizontal bar intersecting center of that bar. Must have two bars off top of rear hoop, going at approximately 45 degree angle and be bolted to floorpan as stated above. Must have 1 1/4 inch minimum O.D. cross bar in top halo.

4. **DOOR BARS:** All tubing must be 1 3/4 inch O.D. and .095 inch wall thickness. Both sides must have minimum three horizontal door bars welded to front and rear of main cage. Both sides must have two uprights from top door bar to bottom door bar. Driver's door may be gutted for door bar installation but must be replaced with steel door plate. Must be 18 gauge or .049 inch minimum thickness and securely welded to outside of door bar. Plate must cover area from top door bar to bottom door bar and from rear down post to 5 inches in front of seat. Must be visible for inspection.

5. **DRIVER COMPARTMENT:** Minimum three windshield bars in front of driver. Aluminum high back, .125 inch thick seat required. Only holes allowed in seat are for belt, harness and mounting bolts. Must be securely mounted. Driver must be sealed off from track, engine, transmission and fuel cell/tank. No mirrors. No interior metal may be removed (see door bar rule). All flammable material, radio and air bags must be removed. Dash must remain unaltered. Firewalls must have no holes.

6. SUSPENSION AND STEERING: All components and mounts must be unaltered, O.E.M. and match year, make and model of car used. Rear wheels must track straight ahead and be in alignment with front wheels.

7. SHOCKS: One, steel, unaltered, O.E.M. mounted spring/strut in O.E.M. location per wheel. One spring rubber allowed in each spring.

9. TIRES AND WHEELS: Tire must be D.O.T., unaltered, O.E.M. for year, make and model of car used. No mud or snow tires. Wheels must be D.O.T., steel unaltered and O.E.M. width and offset for car used. No wheel spacers or bleeder valves. Must use 1 inch O.D. Lug nuts.

10. BRAKES: Must be steel, unaltered, O.E.M. operative, 4 wheel disc or drum brakes, and match year, make and model of car used. Master cylinder must be in O.E.M. location. No brake shut off or bias adjuster. Steel brake lines only.

11. EXHAUST: Exhaust manifold must be unaltered, O.E.M. for year, make and model of car used. Mufflers required. Must meet 98 decibel limit. Smog pump, catalytic converter and air conditioning compressor may be removed

12. BALLAST: No ballast allowed. Any item deemed as ballast will be required to be replaced (i.e.. fuel cell canister, battery box, etc.) No titanium, magnesium or carbon fiber products. No gun drilled bolts or studs. Steel fasteners only.

13. BATTERY: One conventional, wet cell, passenger car, 12 volt battery only. Must be securely mounted. Positive post must be covered with rubber battery post boot. May be relocated to trunk area. Must be isolated from driver. Car must start without being pushed or pulled from initial staging area or go to rear of that race.

14. GAUGES/ELECTRONICS: 12 volt ignition system only. No ignition boxes. Only gauges allowed are analog oil pressure, water temperature and tach. All ignition components must be unaltered, O.E.M. and match year, make and model of car used. No traction control, permanent suspension if found.

15. FUEL SYSTEM: Must have complete, unaltered, O.E.M. fuel system for year, make and model of car used. Gasoline only, no ethanol. Maximum 93 octane recommended. No additives. Gas tanks ahead of rear axle allowed but must install shield under it. Gas tanks behind rear axle must be replaced with maximum 8 gallon fuel cell and relocated to trunk area. Must be securely mounted using two - .125 inch thick, solid steel straps, two inches wide, completely around cell. Metal firewall must be between driver and cell. Fuel cell vents, including cap vent, must check valves. No cool cans. Fuel lines through driver compartment must run through metal pipe or conduit.

16. TRANSMISSION: Must use O.E.M. unaltered transmission that came in year, make and model of car used. Cannot change from automatic to manual or vice-versa. All forward and reverse gears must be operational. Flywheel, flexplate, clutch assembly and torque converter must be unaltered, O.E.M. for year, make and model of car used.

17. FINAL DRIVE: Must be unaltered, O.E.M. for year, make and model of car used. No torque dividing final drives.

18. ENGINE COMPARTMENT: Engine and radiator must be in O.E.M. location of year, make and model of car used. No accumulators/accusumps. No re-enforcing except installation of front strut crossbar.

19. ENGINE: 4 cylinders only. Maximum 2.4 litres. Single cam engine only. All engine components must be O.E.M. unaltered for year, make and model of car used. Not turbo charged, super charged or rotary engines.

AMENDMENTS TO THESE RULES MAY BE AT ANY TIME IF CERTAIN TYPES OF CARS ARE DOMINATING.