IMSA CODE

COMPETITION RULES

OF THE

INTERNATIONAL MOTOR SPORTS ASSOCIATION, Inc.

P. O. Box 805
Fairfield, Conn. 06430
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Price: $2.00

3. **Configuration**
Cars must conform to the FIA homologation papers for that particular model and must be prepared according to the FIA Appendix J rules for Group 2 cars. Homologation papers are available from ACCUS-FIA, 330 Vanderbilt Motor Pkwy., Hauppauge, N.Y. 11787. (Cost is $5.00.) The papers should be brought to each event as it is the competitor's responsibility to prove legality of any questioned modification.

4. **Additional IMSA Safety Requirements**
1) Fuel cell is mandatory.
2) On board fire extinguishing system (Freon type) of at least 4 pound capacity is mandatory.
3) Mandatory driver restraint systems include an anti-submarine belt.
4) A strap must be installed under the front of the propeller shaft to prevent the shaft from drooping in case of failure of the front propeller shaft coupling.
5) Scattershields are required on all cars where the failure of the clutch/flywheel could create a hazard to the driver.
6) Full roll cages of approved design including a side bar on the driver's side are mandatory on all cars. It is recommended that the side bar reach to the outer skin of the door in which case the side window and regulator may be removed.

5. **IMSA Waivers from FIA Rules**
1) Fenders may be flared as long as the flares are aesthetically acceptable.
2) Convertible tops, headliner, passenger front seat, rear seats, and spare tire may be removed.
3) Bumpers may be removed provided they are not an integral part of the coachwork.
4) Stock differential housing may be modified to create a full floating rear axle.

10.5 IMSA SEDAN CATEGORY ('Baby Grands')

1. **Purpose**
This category is intended to promote interest in race competition for volume-produced cars familiar to the American public; to generate publicity for competing drivers, entrants and manufacturers; to encourage individuals to become active competitors and to enable them to compete in professional races with relatively modest investments and maintenance costs.

2. Eligibility

IMSA will recognize specific makes and models of cars eligible to compete in the Sedan Category. To qualify, a model must be:

— produced and marketed in sufficient volume so that its specifications are standard and may be easily checked, and so that cars and spare parts may be obtained easily.

— marketed in the U.S.A.

— able to seat 4 average-sized adults comfortably at the same time, as sold to the public.

— produced with an integral hardtop.

3. Configuration

IMSA Sedans must conform to standard production configuration. Except where these rules allow modifications or substitutions, all components of the cars must be identical to those produced and delivered to the public in the U.S.A. on the basic model. Standard appearance must be maintained strictly. Each model will have a recognized official weight which must be met or exceeded as raced with full tank of fuel but without driver.

4. Required Modifications

A. Doors must be pinned or bolted shut, but may not be welded. Door pins must be visible from the exterior of the car, but in a position where the pin can be removed by the driver while seated in the car with restraint systems attached.

B. Full roll cages of approved design including a side bar on the driver's side are mandatory on all cars. It is recommended that the side bar reach to the outer skin of the door in which case the side window and regulator may be removed.

C. Driver restraint system of approved design must be installed and worn. This includes an anti-submarine belt.

D. Passenger seats, seat backs, mats and other loose gear must be removed.

E. Hoods and deck lids must be secured with pins or straps in addition to their normal latches.

F. Steering lock mechanisms must be removed.

G. Headlite bulbs must be protected against breakage or else removed and the socket covered with non-shattering material. Functional wiring must remain installed.

H. Safety fuel cells are mandatory on all cars. Maximum size is 22 gallons for both Class A & Class B. Quick fill fuel fillers and breathers may be installed and bodywork modified accordingly. Check valves must be installed to prevent loss of fuel if car becomes inverted. Fuel cell must be located as close as possible to the standard tank location. Metal bulkheads must be installed, if none exist, to separate the driver's compartment from the fuel cell and engine compartment.

I. As per FIA specifications, 11 cars must be equipped with a general electric circuit breaker which must be marked clearly by a spark in a blue triangle. Closed cars must be fitted with TWO circuits, one in the passenger compartment and one outside the car in an easily detectable location or ONE circuit clearly marked and accessible from inside or outside of the car.

J. Fire extinguisher of at least 2¾ lb. capacity must be be carried in the car. On board fire extinguishing system (Freon type) of at least a 4 lb. capacity is recommended.

K. Scattershields are required on all cars where the failure of the clutch/flywheel could create a hazard to the driver.

5. Optional Modifications

A. Bodywork

1) Acessories, lights, gauges and switches may be added or removed, and other interior modifications made for the comfort and convenience of the driver, provided there is no effect on the car's mechanical performance. Driver's seat may be replaced.
2) Cables and lines may be rerouted and protected.
3) Undercoating may be removed.
4) Headliner may be removed, but bumpers (including all brackets), door panels, and functional windows must remain as original.

B. Chassis—Tires—Brakes—Wheels

1) Original springs may be modified but not replaced. Shock absorbers may be altered or replaced with others installed in original supports and brackets. Anti-sway bars, torque rods and similar axle-locating devices may be added or substituted. Heim joints are not permitted on suspension pivot points which are not normally adjustable. Standard riding height must be maintained within a tolerance of 1 inch as checked race ready with fuel, but without driver.
2) Original wheels may be strengthened but must remain of style, size and offset specified for that basic model. Spare wheel may be removed. All four road wheels (and tires) must be of the same dimensions.
3) Street approved radial ply tires as available to the public through a retail outlet and subject to IMSA approval must be used. No racing or recapped tires are permitted.
4) Standard brakes must be used, but may be modified as follows:
   — any dual master cylinders and pressure-equalizing devices may be used.
   — lining material is free.

— backing plates and dirt shields may be ventilated and air ducts installed provided no modifications are made in the bodywork. Twelve (12) square inches of brake ducting per side is permitted at the front of the car provide there is no effect on the handling characteristics of the car.
— hand brake may be removed.

C. **Electrical System**

1) Battery may be replaced with another of same voltage, similar size and weight, and installed in original location.
2) Any make of ignition coil, condenser, spark plugs, fuses, relays and regulators of original type may be used.
3) Any battery ignition system may be used.

D. **Engine and Drive Train**

1) Engine and drive train must be as produced in combination with body and chassis of each recognized make and model. Except where these rules allow modifications or substitutions, all components must be mounted in standard locations, conform to standard dimensions, with no mechanical extension or material added.
2) Cylinder head may be ported and polished; however, inlet and exhaust port sizes at the manifold face may not exceed the dimensions specified for the model engine concerned.
3) Engine may be clearanced (blueprinted) and balanced.
4) Pistons and piston rings are free. No overbore permitted.
5) The valve train (consisting of camshaft, lifters, followers, pushrods, springs, keepers, retainers and valves) is free; however, their basic type and the locations of valves and camshaft(s) may not be changed. (i.e. — solid lifters may not be replaced with roller tappets).
6) Emission control devices may be removed along with the choke mechanism. Float modification is permitted. Venturis may be modified. The carburetor base opening may not be enlarged nor any alteration made which changes the intrinsic design of the factory installed unit. Air filter may be removed or replaced with any other type except that velocity stacks or cold air systems are prohibited.
7) Exhaust manifold is free; exhaust emission devices may be removed and any resulting holes plugged.
8) Oil sump and oil pickup may be modified to increase oil capacity and to control surge, but no dry sump system may be used. Standard oil pump must be retained.
9) Vents, breathers and oil filters may be added or substituted but no oil cooler may be added.

10) Any radiator which will fit the standard location and does not alter the car's appearance may be installed and shrouded.
11) Fuel pumps are free in type, size and number.
12) Any ring and pinion ratio may be used provided the differential housing for the model is retained and not modified. Differentials may be modified to produce a limited-slip or locked action.
13) Heater may be removed.
14) Clutch may be replaced with one of the same type, size, weight and manner of attachment but of different manufacture. NO modification is permitted to the flywheel.

E. **Non-Standard Components**
The following components may be added or replaced with others of any origin:
— nuts, bolts, screws, washers and other fasteners, including safety wiring
— electrical wiring
— gaskets and seals
— fuel and brake lines
— any bearings of standard dimensions and type
— drive belts
— bushings

10.6 OTHER CARS

10.6 Other Cars—IMSA may conduct events or series of events for classes and categories of cars defined in the FIA Appendix J, or other rules. The SR for an event will always state clearly the car eligibility rules and references.

RULES CHANGES FOR 1972 are oriented towards improved safety or clarification of existing rules.

GENERAL

Technical Inspection, (Ref. IMSA CODE 10.3). Effective March 1, 1972 all cars must be equipped with 'anti-submarine' safety harnesses (sometimes known as 6-point restraint systems).

Refueling - In all races requiring refueling, NASCAR-style dump cans will be required. No more overhead rigs or open-fuel cans.

IMSA SEDAN CATEGORY (BABY GRAND)

7. Optional Modifications, (Ref. IMSA CODE 10.4)

B.1) Original springs may be modified but not replaced. Shock absorbers may be altered or replaced with others installed in original supports and brackets. Anti-sway bars, torque rods and similar axle-locating devices may be added or substituted. Standard riding height must be maintained within a tolerance of 1 inch.

D.6) Emission control devices may be removed along with the choke mechanism. Float modification is permitted. Venturis may be modified. The carburetor base opening may not be enlarged nor any alteration made which changes the intrinsic design of the factory installed unit.

D.12) Any ring and pinion ratio may be used provided the differential housing for the model is retained and not modified. Differentials may be modified to produce a limited-slip or locked action.

F. Eligibility

New models added to Class A:

Audi 100 LS (1875)
Austin Marina (1798)
FIAT 850 Sedan (903)
124 Special (1438)
128 (1116 OHC)
Honda 600 Sedan (598 OHC)
600 Coupe Z (598 OHC)
Mazda 1200 (1169)
R100 (982 Wankel)
Opel Rallye 1900 (1897)
Renault 12L (1565)
17TL (1565)
SAAB 96 (1698)
Subaru G (1269)
Toyota Corolla 1600 (1588)
Carina 1600 (1588)

New models added to Class B:

Alfa Romeo 2000 Berlina (1962 OHC)
Mazda RX-2 (Wankel)
1800 (1796 OHC)
SAAB 99E (1854 OHC)
Toyota -
Corona 2000 & MK II (1968 OHC)
Celica (1968)

Deletions, Class A:

Lancia Fulvia Berlina GT
Flavia Berlina
NSU 1000, 1200
Simca 1204
Sunbeam Alpine
Peugeot 304, 404, 504
Volkswagen Beetle 1300, 1500

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1. Purpose

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2. Eligibility

IMSA will recognize specific makes and models of cars eligible to compete in the Sedan Category. To qualify, a model must be:
- produced and marketed in sufficient volume so that its specifications are standard and may be easily checked, and so that cars and spare parts may be obtained easily;
- marketed in the U.S.A. from 1968 on:
- able to seat 4 average-sized adults comfortably at the same time, as sold to the public;
- produced with an integral hardtop.

3. Classes - By engine displacement, as produced:

A - up to 2000cc (pushrod)/1600cc (overhead cam)
B - 2000-4000cc (pushrod)/1600-2300cc (overhead cam)

4. Fuel

Pump fuel only must be used. The supplementary regulations for an event may require all competitors to use the fuel provided by the organizers.

5. Configuration

IMSA Sedans must conform to standard production configuration. Except where these rules allow modifications or substitutions, all components of the cars must be identical to those produced and delivered to the public in the U.S.A. Standard appearance must be maintained strictly. Each model will have a recognized official weight which must be met or exceeded as raced, without fuel or driver.

6. Required Modifications

A. Doors must be pinned or bolted shut, but may not be welded.
B. Roll bars of approved design are mandatory in all cars.
C. Driver restraint system of approved design must be installed and worn.
D. Passenger seats, seat backs, mats and other loose gear must be removed.

6. Required Modifications (Continued)

E. Hoods and deck lids must be secured with pins or straps in addition to their normal latches.
F. Steering lock mechanisms must be removed.
G. Headlite bulbs must be protected against breakage or else removed and the socket covered with non-shattering material. Functional wiring must remain installed
H. Metal bulkheads must be installed, if none exist, to separate the driver's compartment from the fuel tank and engine compartments.

7. Optional Modifications

A. Bodywork
1) Accessories, lights, gauges and switches may be added or removed, and other interior modifications made for the comfort and convenience of the driver, provided there is no effect on the car's mechanical performance. Driver's seat may be replaced.
2) Cables and lines may be rerouted and protected.
3) Safety fuel tanks of an approved type may be installed in place of the original tank.
Maximum size - 15 gal for Class A
22 gal for Class B
If production tank is retained, standard filler opening and attachment must be used. If safety tank is used, quick fuel fillers and breathers may be installed and bodywork modified accordingly, but check valves must also be installed to prevent loss of fuel if car becomes inverted. Safety tanks must be located in standard tank position.
4) Undercoating may be removed.

B. Chassis - Tires - Brakes - Wheels
1) Original springs may be modified but not replaced. Shock absorbers may be altered or replaced with others installed in original supports and brackets. Anti-sway bars, torgue rods and similar axle-locating devices may be added or substituted. Standard riding height must be maintained within a tolerance of 1 inch.

2) Original wheels may be strengthened but must remain of size and offset specified for that model. Spare wheel may be removed. All four road wheels (and tires) must be of the same dimensions.

3) Standard or replacement type tires as marketed to the public must be used; no racing or recapped tires are permitted.

4) Standard brakes must be used, but may be modified as follows:
-any dual master cylinders and pressure-equalizing devices may be used
-lining material is free
-backing plates and dirt shields may be ventilated and air ducts installed provided no modifications are made in the bodywork.
-hand brake may be removed

D. Engine and Drive Train

1) Engine and drive train must be as produced in combination with body and chassis of each recognized make and model. Except where these rules allow modifications or substitutions, all components must be mounted in standard locations, conform to standard dimensions, with no mechanical extension or material added.
2) Cylinder head may be ported and polished; however, inlet and exhaust port sizes at the manifold face may not exceed the dimensions specified for the model engine concerned.
3) Engine may be clearanced (blueprinted) and balanced.
4) Pistons and piston rings are free.
5) The valve train, consisting of camshaft, lifters, followers, pushrods, springs, keepers, retainers and valves are free; however, their basic type and the locations of valves and camshaft(s) may not be changed. (i.e. - solid lifters may not be replaced with roller tappets).
6) Emission control devices may be removed along with the choke mechanism. Float modification is permitted. Venturis may be modified. The carburetor base opening may not be enlarged nor any alteration made which changes the intrinsic design of the factory installed unit.
7) Exhaust manifold is free; exhaust emission devices may be removed and any resulting holes plugged.
8) Oil sump and oil pickup may be modified to increase oil capacity and to control surge, but no dry sump system may be used.

Standard oil pump must be retained

9) Vents, breathers and oil filters may be added or substituted but no oil cooler may be added.

10) Any radiator which will fit the standard location and does not alter the car's appearance may be installed and shrouded.
11) Fuel pumps are free in type, size and number, but if an electric type is used, the car must be equipped with an automatic ignition shut-off device which will function on impact.
12) Any ring and pinion ratio may be used provided the differential housing for the model is retained and not modified. Differentials may be modified to produce a limited-slip or locked action.

E. Non-Standard Components

The following components may be added or replaced with others of any origin:

- nuts, bolts, screws, washers and other fasteners, including safety wiring
- electrical wiring
- gaskets and seals
- fuel and brake lines
- any bearings of standard dimensions and type
- drive belts
- bushings

F. Eligibility

Class A

Alfa Romeo	Giulia Super	OHC	(1570)
Audi	Super 90		(1760)
	100LS		(1875)
Austin	Mini		(998)
	Mini-Cooper		(1275)
	America		(1275)
	Marina		(1798)
BMW	1600	OHC	(1573)
Datsun	1200		(1171)
	510	OHC	(1595)
Dodge	Colt	OHC	(1597)
Fiat	850 Sedan		(903)
	124 Sedan		(1197)
	124 SC	OHC	(1438)
	124 SC	OHC	(1608)
	128	OHC	(1116)
	124 Special		(1438)
Ford	Cortina GT		(1599)
	Pinto 1600		(1599)
Honda	1300	OHC	(1298)
	600 Sedan	OHC	(598)
	600 Coupe Z	OHC	(598)
Mazda	1200		(1169)
	R100	Rotary	(982)
Mercury	Capri 1600		(1599)
Opel	Kadett 1100		(1078)
	Kadett 1900		(1897)
	Rallye 1900		(1897)
Plymouth	Cricket		(1498)
Renauit	10		(1289)
	12L		(1565)
	16		(1565)
	17TL		(1565)
Saab	96		(1498)
	96		(1698)
Subaru	1100		(1088)
	G		(1269)
Toyota	Corolla 1200		(1166)
	Corolla 1600		(1588)
	Carina 1600		(1588)
Volkswagen	Beetle 1600		(1584)
	Super Beetle 1600		(1584)
	Type 3		(1584)
	411		(1679)
Volvo	122/124	(B18)	(1780)
	122/124	(B20)	(1986)
	142/144		(1986)

Class B

Alfa Romeo	1750 Berlina	OHC	(1779)
	2000 Berlina	OHC	(1962)
AMC	Gremlin 232		(3705)
	Hornet 232		(3705)
Chevrolet	Vega 2300	OHC	(2287)
Ford	Pinto 2000	OHC	(1993)
	Maverick 170/200		(2788/3380)
BMW	2002	OHC	(1990)
Mazda	RX2	Rotary	(1146)
	1800	OHC	(1796)
Mercury	Capri 2000	OHC	(1993)
	Comet 170/200		(2788/3380)
Saab	99	OHC	(1709)
	99E	OHC	(1854)
Toyota	Corona	OHC	(1858)
	Corona 2000	OHC	(1968)
	Corona Mk II	OHC	(1968)
	Celica	OHC	(1968)