

GT-7

Road Race Series For
Highly Modified Mazda RX-7s
National Auto Sport Association
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1. CLASS INTENT

This class has been established to allow competitors to modify their RX 7's without the restraints of an endless series of rules.

2. Deleted

3. BODY STYLES

All 1979-1985 Mazda RX-7 cars are eligible.

4. Deleted

5. SAFETY

5.1. Safety Requirements

All cars and drivers must conform to NASA's *Club Codes and Regulations* (CCR). All cars must meet or exceed the safety requirements as stated in sections 5.1-5.5 of NASA's Pro-7/PS-7 rulebook.

5.2. Replacement Parts

All replacement part must meet or exceed current safety regulations as per CCR.

6. RULES/PROCEDURES

6.1. Data Acquisition Systems

Any data acquisition systems may be used.

6.2. Non -compliance/Cheating

Non-compliance/Cheating will be dealt with on a case by case basis. NASA reserves the right to confiscate any part or parts found to be illegal.

7. MODIFICATIONS

7.1. Allowed components

Vehicles must conform to these rules. All modifications, additions, replacements of any and all parts may be allowed, as long as the vehicle meets all the rules and specification herein.

7.2. Appearance requirements

See NASA Pro-7/PS-7 rulebook section 7.2.1-7.2.2.

7.3. Body and structures

7.3.1 Bodies may not be acid dipped (or any other similar process).

7.3.2 Any bolt on body parts or fender panels may be removed or replaced with those of an alternate material, providing that the original appearance of the car is retained (must resemble 79-85 RX7).

7.3.3 Stock tub must be retained (**NO TUBE FRAME CARS**)

7.3.4 Any air dams or spoilers may be added.

7.3.5 Frame or inner fender panels can be modified for suspension travel or tire clearance only.

7.5. Ballast

7.5.1 Ballast is allowed provided that mounting meets all safety requirements (location unrestricted).

7.6. Wheel studs

Wheel studs and lug nuts are unrestricted, but must be made of steel. They may not be smaller than the stock size.

7.7 Deleted

7.8. Weight

No minimum weight.

7.10. Engine

The engines used in the NASA GT7 series must be Mazda 12A rotary engines. Street porting is allowed (No bridge, eyelash, peripheral, W, or MSPRE)

7.11. V-belt pulleys

Any pulleys allowed.

7.12. Balance/Blueprint

Balancing and blueprinting is allowed.

7.13. Lubrication

Any lubrication system is allowed including dry sump.

7.14. Catch tanks

All engine breathers and coolant overflow lines must vent to a catch tank of at least one-liter capacity per breather.

7.15. Carburetor

7.15.1. The 4-barrel carburetor from any Mazda rotary vehicle (1971-1985) may be used with open modifications.

7.15.2. Any automotive style 2bbl carburetor with 38mm chokes maybe used.

7.16. Fuel

Only 100% petroleum based pump gas or race gas such as 76 Racing Gas is allowed (fuel additives for engine lubrication only).

7.17. Fuel system

A fuel cell (FIA FT3) is required. Fuel filler location is open, but must meet all safety requirements (CCR). All other fuel system components are open, but must meet all safety requirements. Fuel pressure is limited to 14 psi (**NO FUEL INJECTION**).

7.18. Intake manifold

Any intake manifold may be used.

7.20. Air cleaner

7.20.1 Cars may use any air filter and any filter element providing that all intake air passes through this device.

7.21. Ignition

7.21.1 Any ignition may be used.

7.22. Battery

7.22.1 Any battery capable of starting the car may be used.

7.22.2 Cars may mount the battery anywhere in the car provided that all cockpit mounted batteries are securely mounted inside a fully enclosed marine type case. The mount must meet all of the rules listed in this publication and in the *Club Codes and Regulations* (CCR) that pertain to battery mounting.

7.23. Exhaust

Open and unrestricted providing all safety requirements are met. The car body may be modified to allow the muffler to be recessed for ground clearance (muffler only, not entire exhaust).

7.24. Cooling

Any radiator may be used. The car body may be modified to allow for installation, providing the radiator location is similar to stock.

7.25. Clutch

Any clutch may be used.

7.26. Flywheel

Any flywheel may be used.

7.27. Transmission

Any transmission may be used (no rear mounted trans axle or sequential gearboxes).

7.28. Differential

Any differential may be used (no independent)

7.29. Driveshaft and U-Joints

Any drive line is permitted providing all safety requirements are met.

7.30. Wheels/Tires

Any 13", 14", 15" x 7" wheels may be used. Any tires may be used.

7.31. Brakes

Brakes system is open (no ABS).

7.32. Suspension

Open modification of stock suspension pieces, including the addition of a third link, and the substitution of the watts link with a panhard bar, providing all safety requirements are met. The following dimensions are specified:

TRACK: front 60" rear 60"

WHEELBASE: 95.5" + or - 1/4"