

4.3 Cooling Systems (Open Vehicles).

RULEBOOK REFERENCE:

4.4.1: COOLING SYSTEMS (OPEN VEHICLES), page 210

RULE SUBMISSION INTENT:

Revert back to a previous rule which provides protection between the driver radiator.

PROPOSED ADMENDMENT:

Existing Text;

In a Rear Engine Dragster, where a radiator is mounted in front of the engine, a deflector plate must be installed. The deflector plate must be installed in front of the radiator and fixed to the lower left and lower right frame rails and to a suitable upper chassis/ rollcage tube. The deflector plate must be without openings in the shoulder plate and be suitable for its intended application; deflecting coolant away from the driver in the case of an uncontrolled coolant release. Any openings for cables, wiring etc. must be below the shoulder plate.

Proposed Text;

Where a pressurised cooling system is utilised in an open vehicle, the possibility of a high-pressure leak in the driver area should always be considered and as such the system must be installed in one of the following locations;

In rear engine dragsters the radiator may be in front of or behind the engine. If the radiator is mounted in front of the engine a deflector plate must be installed from frame rail to frame rail and to the top of the roll cage. (refer also Deflector Plate in Dragster class regulations) Front engine Dragsters & Alters (centre steer) must have the system installed in front of the engine.

Roadsters (non centre steer) may have the system in front of the engine or to the rear of the engine in the "passenger" side of the chassis. If mounted in the "passenger" side the radiator & hoses are to be completely shielded from the driver side of the cockpit by min 2.0mm aluminium.

NOTE: In all cases radiators may be mounted either vertically or horizontally.

CLASSES AFFECTED:

All Open Vehicles.

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How does this rule protect the safety of participants and spectators?
Provides protection between the driver and radiator in case of a hot liquid escape.
How is this rule a positive step for the sport?
It increases driver safety.
What is the positive impact of the rule on other classes and brackets?
This additional safety applies to all Open Vehicles.
How does the rule ensure increased opportunity for even competition?
Does not affect or increase opportunity for even competition.
Describe how the rule is practical and enforceable?
This can be identified and checked at Tech Inspections and Vehicle Scrutineering.
Describe how the cost of complying with the rule is reasonable for competitors?
The deflector plate and upgraded hoses are relatively inexpensive.