

**ANDRA 2018/2019 Rulebook Rule Submission Title:
Cooling Systems (Open Vehicles)**

SUBMISSION AUTHOR: INTERNAL

ANDRA Number:

Address:

(email):

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;

In a Rear Engine Dragster, where a radiator is mounted in front of the engine, a deflector plate must be installed. **In a Front Engine Dragster (or Altered), where a radiator is mounted in behind the engine (and in front of the driver) or where a radiator is mounted in behind the driver, 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.

Where it is required that coolant lines pass the driver, hoses and end connections must be isolated from the diver's compartment and shielded against possible failure resulting in the driver being subjected to coolant spray. Steel braided, composite and Kevlar lines are suitable shielding.

CLASSES AFFECTED:

All Open Vehicles.

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.