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2019 FMSCI 4W Technical Regulations Appendix J Art.254 : Specific Regulations for Production Cars

1) Art.6.1 ENGINE (Ignition and Injection – ECU)

Existing

The electronic control unit and the ignition components in the electronic control unit are free; nevertheless the system must be mechanically interchangeable with the original unit.

The original loom must be kept and cannot be modified.

Amended

The electronic control unit and the ignition components in the electronic control unit are free; **nevertheless** the system must be mechanically interchangeable with the original unit and the engine should run when the OE ECU is plugged into the OE coupling.


The original loom can **only** be tapped to accommodate a patch wiring to the connector of the new ECU. Provided the following points, mentioned below are respected.

- Tapping would mean that one could only connect new wires to the existing wires of the OE wiring loom, **at any point up to 600mm from the OE connector.**
- However the OE ECU connector must remain and when the OE ECU is connected, the engine must run normally.

Reasons for the amendment :

As the ECU is free in all the groups, for racing and rallying, we find it necessary to amend the ECU regulation so as to accommodate fitment to all aftermarket ECU's to the original wiring harness. In Article 254-4-6.1, under Ignition and injection, the wiring loom cannot be modified, but allows a homologated variant to be used. This does not justify the freedom of choice of ECU's as permitted in the Regulations. As the fitment of the free ECU, which has its own connectors, may not be adaptable to the OE coupling, the amended regulation on ECU and the method of fitment follows below.

The above points shall come into immediate effect as on 4.8.2019

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2) Permitted addition of sensors (Effective from 4.9.2019)

- Addition of an oil pressure sensor in place of an oil pressure switch is permitted even though it may not be homologated.
- The OE Lambda / Oxygen sensor may be replaced with wider bandwidth sensor and is free.

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