



## **Engine BOP regulations & Marelli license** Audi RS 3 LMS MY2021

# Engine map BOP regulations

Dear customer

The following information describes how the new TCR Scrutineering System it's applied in the new Audi RS 3 LMS MY2021

TCR Technical Regulations has certified the mandatory use of the new common ECU Magneti Marelli and new BoP engine performance map system application for new cars homologated from 2020 onwards.

## \ Art 3.9 - Balance of Performance (BoP)

- For cars certified from 2020 onwards, one of the parameters which may be modified at any time of the season is:  
***Engine map performance level implemented by monitoring electronic components ,(90%, 92,5%, 95%, 97,5%, 100%, and 102% named level 1 to 6)***

## \ Art. 3.6 Data logging

- ***The car must be fitted with the scrutineering data logging system*** (certified)
- ***For cars certified from 2020 onwards the Scrutineering Data Logger is integrated in the Engine TCR ECU*** (Magneti Marelli SRG-141)

# Power lever system

## How the Power Level System works

- \ The new Audi RS 3 LMS control unit (Marelli SRG-141) has already integrated the 6 engine maps TCR BoP homologated.(Certified)
- \ The 6 different performance maps can be **selected** by positioning the **Power Level Rotary Switch** wheel from 1 to 6, (90%, 92,5%, 95%, 97,5%, 100%, and 102%)
- \ **IMPORTANT:** In case of Power Level Rotary Switch connection fault or not present, the engine map applied by default will be 90% (mandatory)
- \ During TCR events the technical delegates will certificate the position of the Power Level Rotary Switch according to the last Technical Bulletin BoP.
- \ Is the customer option/decision to select different engine maps during private test sessions. Remember that later on, on the next TCR event scrutineering process, the Rotary Switch position has to be certified and sealed again.



# Marelli-VAG data acquisition licenses

**Licenses:** *(online catalogue available)*

VAG-TCR WINTAX-SYSMA BASIC ref: 5FR999033  
VAG WINTAX-SYSMA EXPERT TEAM (SAT) ref: 5FR999023  
VAG-WINTAX EXPERT TEAM (SAT) ref: 5FR999025

## Program functionalities:

SYSMA: Channels live, acquisition table, calibration data base, electronic components learnings, alias edit/browse, flash project.

WINTAX: Data download and data analysis

License Basic vs Expert Team features:

See “Wintax Licenses features “ differences on:

<http://vwgroupmotorsport-onlineplatform.com/downloads/setting&config>





# Box content & installation

## Box Content:

SW installation files dongle & License dongle

## Software Updates:

The software contained in the dongle may be out of date. It is highly recommended update it. You will find install **WINTAX & SYSMA VAG** software updates at:

<http://vwgroupmotorsport-onlineplatform.com/downloads/setting&config>

## Installation:

**IMPORTANT:** Read **Car Electric Manual and Marelli User Manual** with the installation procedure information before to proceed to the installation. Available at:

<http://vwgroupmotorsport-onlineplatform.com/downloads/carmanuals>

## Notes:

Sysma & WTX software can be installed in multiple computers but the programs only works in the computer that the corresponding license dongle is plugged.

