



Model: Aprilia RSV4 - Tuono V4 1100 E5

Subject: Availability of engine ECU calibration update

Dear Dealer / Service Centre,

Please note that a software update for the engine control unit map is now available once the PADS diagnostic tool is updated to the latest release available.

The operation referred to above is to be included in the normal maintenance activities to be carried out at the same time as the pre-delivery, during the activities scheduled for services, or on the first convenient passage in the Workshop for vehicles in circulation.

The main content of the update is:

- Improved diagnosis of misfire events
- Improved running of engine at high altitudes
- Enhanced rideability in general

Detailed summary table

Model	Version	ECU Internal Code	New Map
RSV4 1100 E5 EMEA	EMEA	CM301804	P80HDA03
RSV4 1100 E5 USA	USA	CM301812	P80HDB03
RSV4 1100 EMEA AKRAPOVIC	EMEA AKRAPOVIC*	CM301825	P80HDD03
Tuono 1100 E5 EMEA	EMEA	CM301813	P80HEA07
Tuono 1100 E5 USA	USA	CM301814	P80HEB07
Tuono V4 1100 E5 78Kw EMEA	EMEA 78kW	CM301835	P80HEC07
Tuono V4 1100 EMEA AKRAPOVIC	EMEA AKRAPOVIC*	CM301826	P80HED07

*available as of September 2021



Once the update has been successfully completed,

- Perform a key off / key on
- Carry out the throttle self-learning procedure (see figure 1 or 2)
- Perform the vehicle configuration procedure (see figure 1 or 2)
- Perform a key off / key on
- Perform the tone wheel learning procedure (see procedure below for EMEA versions only*)
- Access the vehicle ECU menu and cancel any errors.

***CRANKSHAFT TONE WHEEL LEARNING PROCEDURE**

- Perform the cycle “Reset wheel tooth values” with the PADS diagnostic tool (see figure 1 or 2);
- Warm the engine to 80°C;
- With the gearbox in neutral, the side stand extended and the vehicle completely stationary, throttle up to over 8000 rpm three times for over 1 second;
- Switch the ignition off and wait at least one minute (Power Latch);

IMPORTANT:

The vehicle speed **MUST** be 0 km/h throughout the crankshaft tone wheel acquisition procedure.

In certain cases, even minor vibration produced by the engine (with gearbox in neutral, side stand extended and no speed reading on instrument panel) may cause the procedure to fail. In this case, the procedure must be repeated.



Figure 1

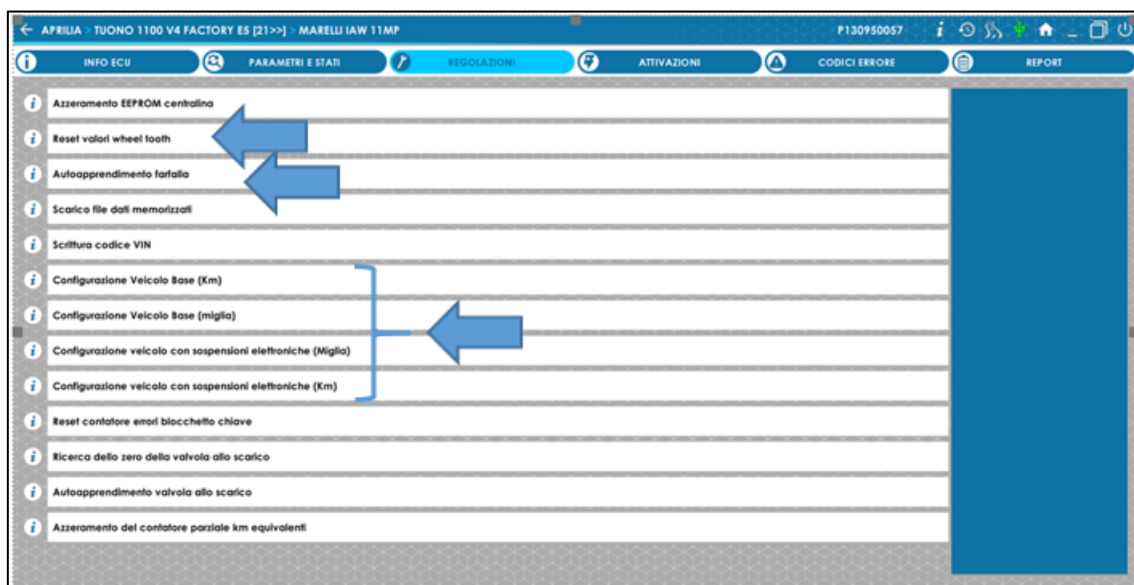
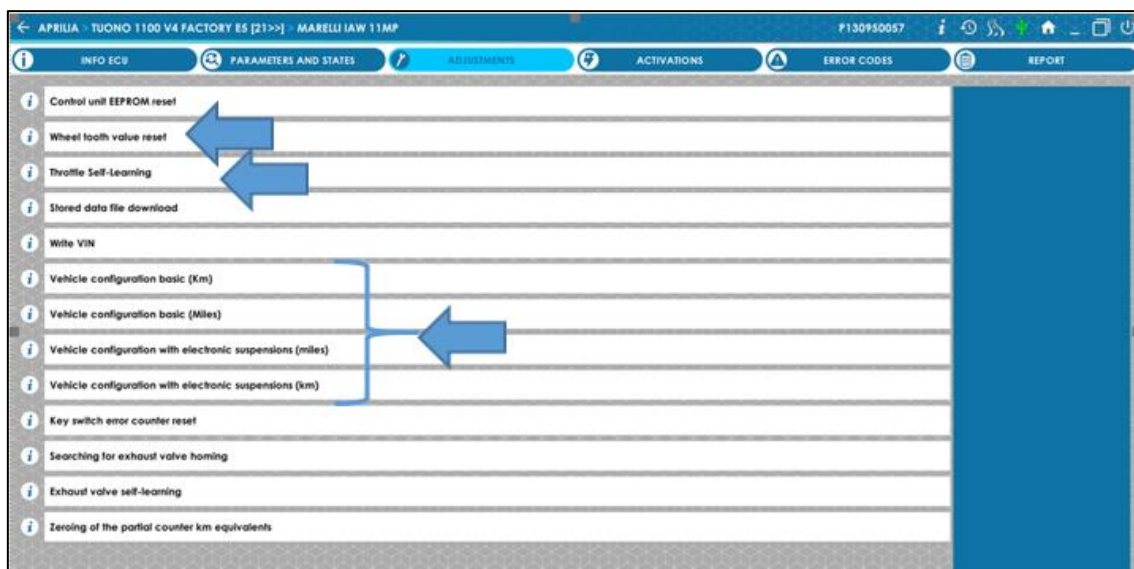


Figure 2



Please contact the Technical Help Desk of our Technical Support Service for any queries or assistance.

Best regards,

Piaggio & C. SpA
Business Unit Aftersales
Operations & Technical Service