



Model: Aprilia RS - Tuono 660

Subject: Availability of engine ECU calibration update

Dear Dealer / Service Center,

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 aforementioned operation is considered part of the normal maintenance required for the vehicle, and must be performed during the pre-delivery procedure, for new vehicles, or, for vehicles that have already been sold and are in use, at the same time as other scheduled maintenance operations or at the first available opportunity when the vehicle is brought to the service center.

The new update introduces the following main features and improvements:

- Resolved issue causing spurious diagnosis of error P1401 at key-on;
- Software bug fix;

Summarised table

Model	Version	ECU Internal Code	New Map
Aprilia RS 660	USA/Canada	CM301806	P80EAB13
Aprilia Tuono 660	USA/Canada	CM301808	P80EBB13



Once the update has been successfully completed,

- Perform a key off / key on
- Perform the **crankshaft tone wheel acquisition procedure** (ONLY EMEA VERSIONS - see procedure on page 2)
- Perform the **Vehicle configuration in Miles or Km** (based on unit of measurement used for respective country) (see figure 1)
- Carry out throttle valve self-learning (see figure 1)
- Access the vehicle ECU menu and cancel any errors.

CRANKSHAFT TONE WHEEL ACQUISITION PROCEDURE (ONLY EMEA VERSIONS)

- Perform “Reset wheel tooth value ” with the PADS tool (see figure 1)
- 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 at least three times**
- **Switch the ignition off and wait at least one minute** (Power Latch)
- The status “**Flywheel Self Learning**” under parameter and status selection should say “**Done**” if the RPM rev procedure was performed correctly.

IMPORTANT:

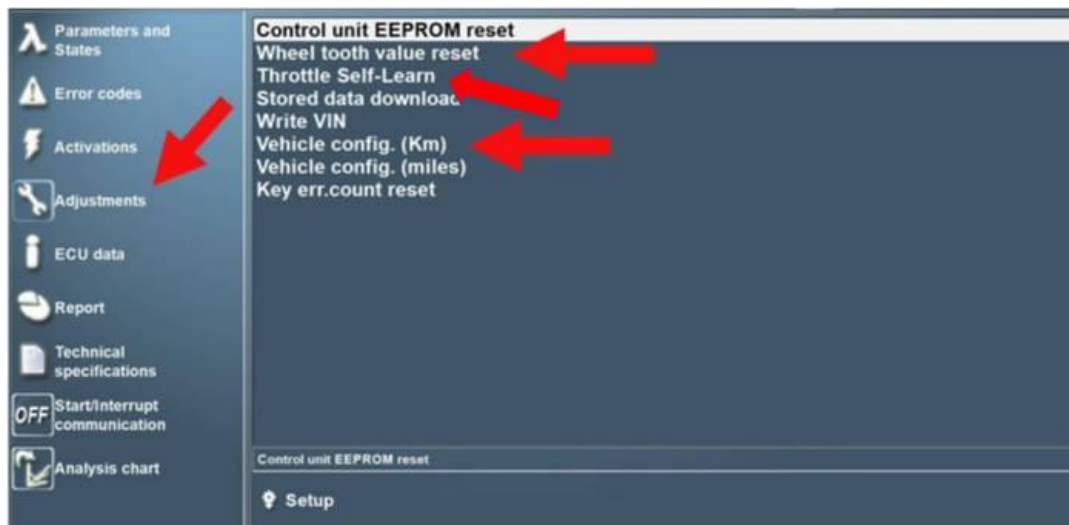
The vehicle speed **MUST** be 0 km/h/mph throughout the crankshaft tone wheel acquisition procedure.

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



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