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Service Bulletin

Service Bulletin - Technisches Rundschreiben - Circulaire Technique - Circular Tecnica

Date: **16 september 2022**

Subject: **Inertial platform software update (YAW E5 version cod. 8000C8747)**

Product: **All E5 models and all inertial platforms code 8000C8747 retroactively applied on previous models**

The new software makes it possible to optimise the transmission and management of signals generated by the inertial platform according to the new hardware.

WARNING: All previous inertial platform codes must NOT be reprogrammed.

The new software allows to optimise the transmission and management of signals generated by the inertial platform.

It is necessary verifying, and, if needed, updating the control unit during the pre-delivery phase, during a maintenance service or on the first useful occasion at your workshop.

Issues on motorcycles related to outdated software or software intended for another vehicle could affect the approval of warranty claims, therefore we ask you for particular attention in ALWAYS updating motorcycles in transit at your workshop.

TOOLS REQUIRED TO PERFORM THE INTERVENTION:

- **TEXA Navigator** diagnosis tool
- PC with Software TEXA **IDC5**
- Connection cable **3151/AP34**.

SOFTWARE CONTROL PROCEDURE \ REPROGRAMMING OF THE INERTIAL PLATFORM:

It will be possible to identify the motorbikes to be updated by connecting them to the TEXA diagnosis using the **"INERTIAL PLATFORM"** environment: within the **"ECU UPDATE"** environment, the reprogramming function of the platform code **8000C8747** that equips E5 vehicles has been enabled and is supplied as a retroactive spare part for all models equipped with tilt sensor (models E3 - E4 both 3 cylinders and 4 cylinders).

- Update your TEXA Navigator diagnostic tool by connecting the computer with the IDC5 software to the internet, select **"update check"** and start the download of version **35.0.1. \ MAP 4057** or higher.
- Check that the vehicle's battery voltage is above 12.5 V and **keep the original charger connected throughout the update procedure.**
- Connect the TEXA diagnosis to the vehicle by following the guided system procedure, taking care to select the MY relative to your vehicle.

NOTE: when connecting to the inertial platform using a normal diagnostic session, if the TEXA system detects obsolete software, the connection will NOT be allowed, and the user will be sent back to perform the software update.

- **The latest software version named "v2.0.9" must be installed (identified as ECU software version number 2.0.9).**
  To check the code of the software installed in the inertial platform of the motorbike, you can check the **"ECU INFO"** screen related to the inertial platform:

If the software version "v2.0.9" is already available in the device, no further steps are necessary.
If other software versions are present, please proceed with the update as described below.

- To proceed with the update, select the **"ECU UPDATE"** environment and the **"INERTIAL PLATFORM REPROGRAMMING"** area.
- Check that the battery voltage is above 12.5 V **and keep the battery charger connected throughout the update operations. Do not interrupt or disconnect diagnosis during update operations.**
- Remaining in the **"ECU UPDATE"** environment related to the inertial platform, go to the **"MAPPINGS"** section, and select the new software available named **"v2.0.9";** Press "START" to proceed with the loading of the new software.
- Carefully follow the procedure requested by the system; no password will be required.
- Once the reprogramming has been performed, terminate the connection with the vehicle by **turning the key to the "OFF" position.**
- **Proceed to reset any faults in all environments available in the "AUTODIAGNOSIS" section (environments: ABS, ECU, YAW)**
- reconnect the inertial platform to the TEXA system using the **"SELF DIAGNOSIS"** environment.
- Reset the inertial platform using the special command available in the **"SETTING"** work area; the motorbike must be positioned to perform the reset correctly:
  - Both wheels on the ground
  - Perpendicular to the ground
  - Keep it steady (no movements or oscillations during the reset)

NOTE 1: for 4-cylinder models, in addition to performing the platform reset in the vertical position, a second reset phase will be required with the motorbike on the side stand.
NOTE 2: During this phase, the dashboard may display inconsistent roll angles and/or communication errors generated by the inertial platform programming procedure.

- Check through the diagnosis the plausibility of the platform operating parameters by checking the **"PARAMETERS"** section.
- Proceed to delete any faults in all the environments available in the **"SELF DIAGNOSIS"** section.
- Perform a dynamic test of the vehicle to check that it is functioning correctly.

Thanking you in advance for your cooperation, we remain at your disposal for any technical/commercial support.
Best Regards,
MV AGUSTA MOTOR S.p.A.
Technical Assistance Service