

DELPHI MT05 ECU RESET

MODEL : ROYAL ALLOY 125i AC (GT,GP)

ECU: DELPHI MT05.2

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ECU Learn memory

The Delphi MT05 ECU is able to learn. Changing an exhaust or when modifying your engine may require the ECU to relearn, for example fitting a new exhaust with a free flowing design, or an airfilter with increased airflow. The O2 oxygen sensor in the exhaust measures the air / fuel and the ECU adjusts the settings to the optimal requirement. These self learning parameters are stored in the RAM (volatile memory) of the microprocessor. By resetting the ECU you will clear the stored memory and the ECU will then relearn.

RESETTING the DELPHI MT05 ECU

- 1 - First turn off the ignition key for 15 seconds
- 2 - Turn the key ON / OFF, but do not start the engine, 5 times in a row continuously and quickly

ON/OFF - ON/OFF - ON/OFF - ON/OFF - ON/OFF

- 3 - Now leave the key ignition off for 15 seconds

Now start the engine. You will notice the engine may run a little different. The ECU will now need to learn by letting the engine warm up and run for approx 20 minutes.

MIL engine light

In normal operation, when you turn the ignition key, the ECU initialises, the engine management light (MIL) on your speedometer will illuminate and then goes off after the engine starts successfully. If the MIL light stays on this indicates there is fault stored and needs rectified or cleared. For example, whilst changing the exhaust you forget to reconnect the lambda sensor. You can clear the MIL light error by plugging in a diagnostic reader and clear the codes or by resetting the ECU as above.

If your MIL light is not cleared or comes back on, you may have a fault that can not be cleared and will need to be fixed. You will need to plug in an OBD fault diagnostic tool, to determine what the fault code is. This will confirm which sensor, the scooter has 5 sensors that ECU reads.

Below is an example of the fault codes associated with the sensors.

For example common is P0131 code will be stored if the exhaust O2 sensor is not connected.

P0107 Map Circuit Low Voltage or Open
P0108 Map Circuit High Voltage
P0112 IAT Circuit Low Voltage
P0113 IAT Circuit High Voltage
P0117 Temperature Circuit Low Voltage
P0118 Temperature Circuit High Voltage
P0122 TPS Circuit Low Voltage
P0123 TPS Circuit High Voltage
P0131 O2 Sensor Circuit Low Voltage
P0132 O2 Sensor Circuit High Voltage

