How to reset AEC302C / AEC400 Programming hints



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1. Introduction



Manufacturer of AEC302C / AEC400 CDI controllers didn't left possibility to access internal MCU memory by K-Line that's why these CDI systems are not supported by Advanced Scooter Workshop. Therefore it is really possible to reset them if you have any MOTOROLA MC68HC05E6 programmer (XPROG / XPROG-m, UPA, CARPROG, ELNEC, etc.).

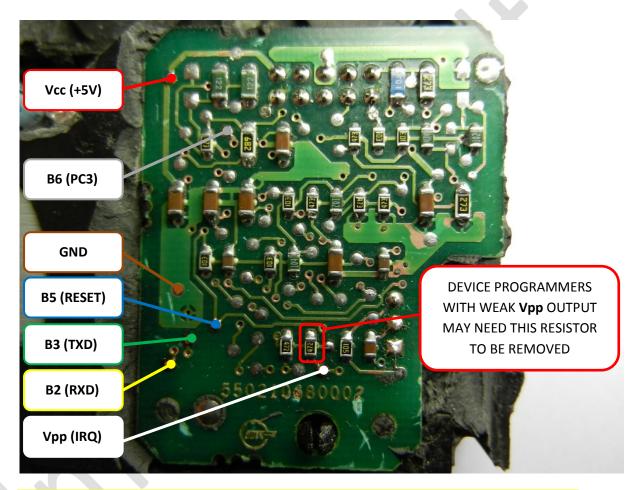
2. Opening the plastic casing



Make a cut around plastic casing to gain access to the printed circuit board (PCB). Don't cut too deep – you can damage electrolytic capacitors near the edges of plastic casing!

Clean the PCB from epoxy sealant. It is significantly easier to clean if sealant is heated using hot air station or other source of hot air (fan, etc.) – it becomes crumbly and comes out without excessive effort.

3. How to connect MCU programmer



NOTE. Wire colors in the picture, corresponds to **CARPROG** cable **A10**. Signal symbols B2, B3, B5, B6, Vcc, Vpp – to **XPROG** / **XPROG-m** programmer.

4. MCU settings for programmer

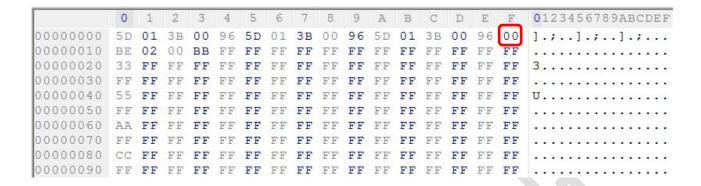
MCU type: MC68HC05E6

Mask set: 0F82B

EEPROM start: 0x0100 (hex) **EEPROM size:** 0xA0 (160 bytes)

Osc. Frequency: 4 MHz

5. How to reset CDI controller to NEW



Change data at marked position from **00** to **01**. This way you will change CDI controller state to **NEVER PROGRAMMED**. CDI controller is ready now to store new code on the first time ignition is switched to ON with a master key.

NOTE. Ignition must be switched on with valid **MASTER** key that belongs to immobilizer controller **IMM003** / **IMM006**.