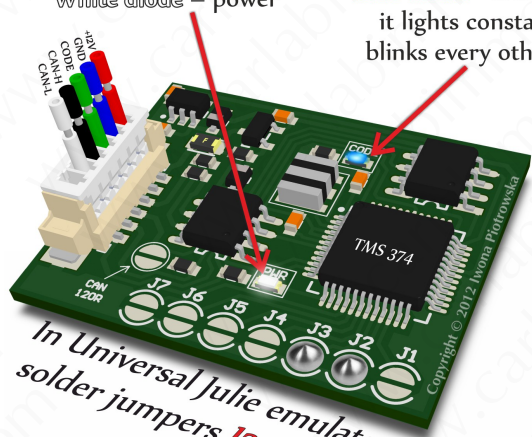




## TMS 374 IMMO EMULATOR

White diode – power

Blue diode – after adjusting it lights constantly and blinks every other second



*In Universal Julie emulator solder jumpers **J2** and **J3***

**SOLD AS UNIVERSAL JULIE EMULATOR**

## **EMULATOR'S POWER +5V Use**

### **Renault ECU with TMS374 processor**

- **Siemens Fenix 5**
- **Sagem Safir 1**
- **Sagem Safir 2**

### **Citroen, Peugeot ECU with TMS374 processor**

- **Sagem SL96**
- **Magnetti Marelli 1AP20, 1AP40, 1AP41,  
1AP43, 1AP80, 1AP81, 1AP83, 1AP90**

### **Volvo with TMS374 processor**

- **Siemens Fenix 5**  
(Volvo V40/S40 1,8i 1996-1999 ECU  
S113727100C\_VOLVO, 30850998-01)
- **Siemens (Volvo V40/S40 1,8i 1996 ECU  
S113716100C, HOM7700860924)**

**Before removing immo, cut the immo cable off the ECU plug**

**Sagem SL96 - pin 48**

**Magnetti Marelli 1AP - pin 48 and 27**

**Fenix5 1.4 and 1.6 - pin 37, 1.8 and 2.0 - pin 35**

**Sagem Safir1 35-pins - pin 30**

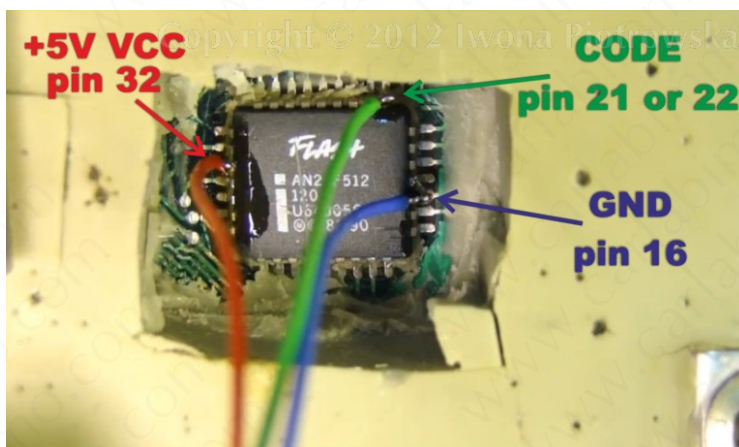
**Sagem Safir2 55-pins - pin 37**

**Siemens Fenix 5 S113727100C – Volvo 1.8 55 pins - pin 35**

**Siemens S113716100C – Volvo 1.8 55 pins - pin 35**

### IMMO REMOVAL PROCEDURE

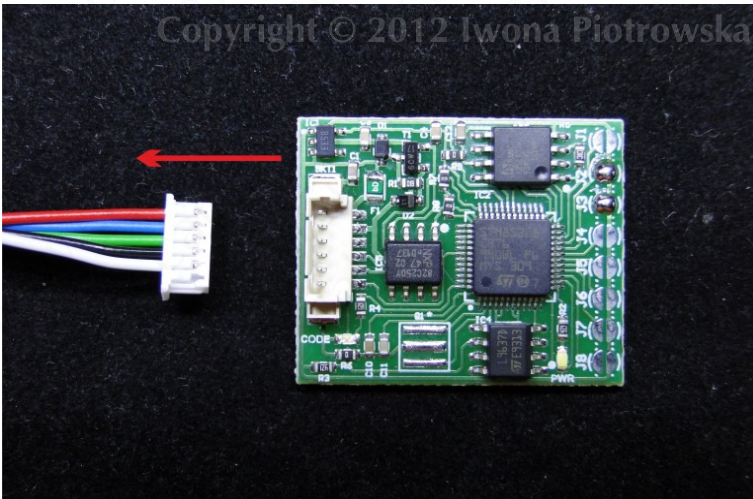
After cutting the immo cable off, find **pin 22** of 28F512 or 29F010 flash or **pin 21** of 27C512 or 29C512 eeprom in ECU. Solder green wire onto either of the pins depending on memory type. Solder GND onto pin 16 and solder power supply +5V VCC onto pin 32.



**Turn the ignition on for one minute**

**Then, turn the ignition off and wait 5 seconds. Next turn the ignition on and wait 5 seconds (repeat this action 7 times)**

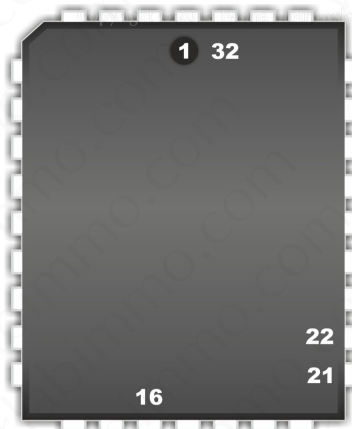
**Disconnect the plug from emulator and check if car starts.**



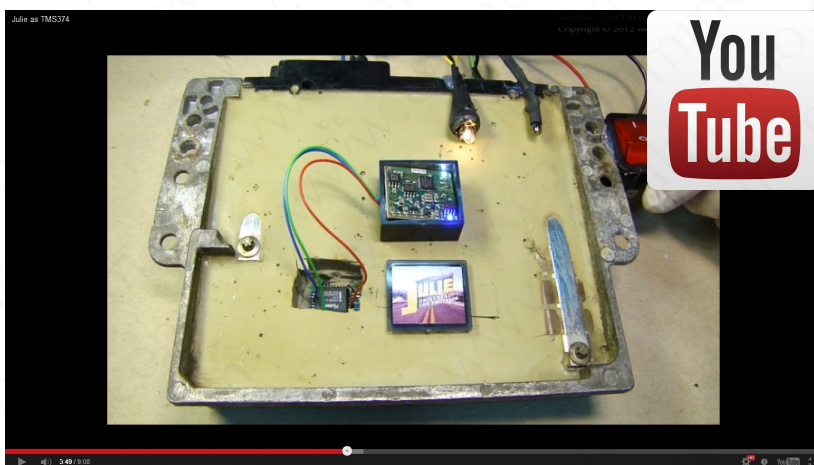
**If you have a problem with removing immo from the ECU**

- disconnect „minus” battery for approx. 30 seconds before starting this procedure again,**
- during the procedure turn the starter several times**

## PINOUT IN MEMORY



**If you still have any problems with removing immo please watch the instructional video**



technical support at [www.carlabimmo.com/forumang/](http://www.carlabimmo.com/forumang/)

### **Warning!!!**

Due to possible construction changes of cars, check signals with multimeter in the ECU plug.

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