

**Diagnostic device
Immobilizer emulator**

i1- Immobilizer emulator VW without CAN



Update 04.03.2020



1. Product description:

This device emulate an immobilizer data stream to the ecu. It is meant to be used as diagnostic device during car repairs in car workshops.

2. Supported controllers

Car model	Controller model	Details
VW, Audi, Seat, Skoda	W1, W2 do 2001 r.	petrol, diesel

3. Wire marks in emulator

Red	Red	+12V ACC
Blue	Blue	GND
Green	Green	CODE

4. LED diodes colors in emulator

Green		Emulator supply
RED		Emulator have been fitted to ECU

5. Connecting emulator to the installation

Depending on the version, do the following:

- immo built into the meter

Disconnect the W line from the meter and connect it to the K line. Leave the W line at the meter unconnected.

- immo separated from the meter

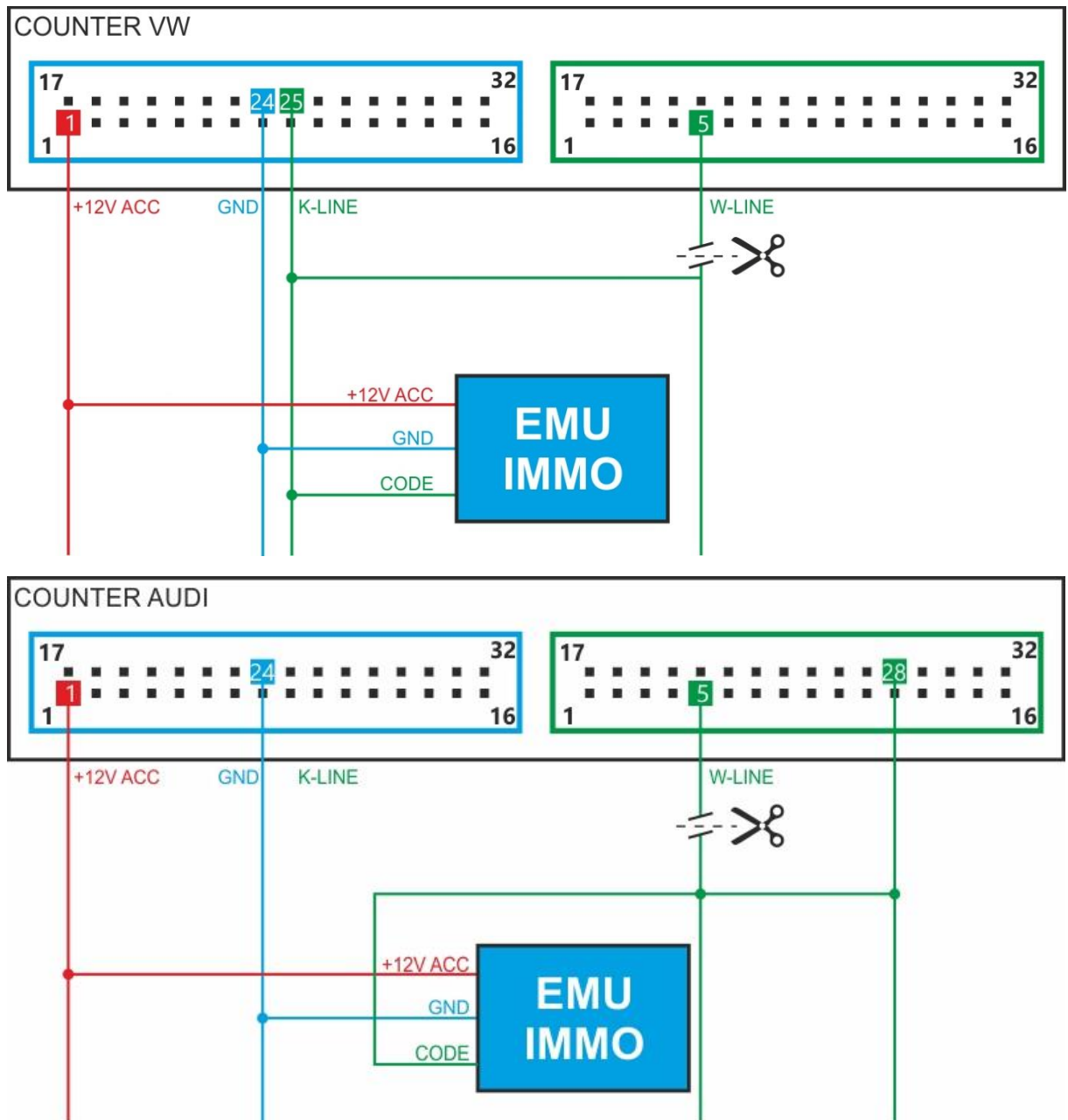
Disconnect the immo controller from the installation and connect the W line with the K line in the unplugged plug.

a. Immo built in instrument cluster

Cut off the W line from the meter (pin 5, green plug) and connect with the K line and the green wire (CODE) of the emulator. Leave the W line at the meter unconnected.

Emulator colors		Instrument cluster blue plug	Instrument cluster green plug
+12V ACC	Red	Pin 1	
GND	Blue	Pin 24	
CODE	Green	Pin 25 (VW), 28 (Audi)- line K	Pin 5- line W

Disconnect line W (pin 5 green plug) from instrument cluster.



- b. Immo separated from instrument cluster
Connect the W line with the K line and the green wire (CODE) of the emulator.
Disconnect the immo driver from the installation.

Emulator colors	Immo plug 6-pin
+12V ACC	Red Pin 1
GND	Blue Pin 4, Pin 6
CODE	Green Pin 3- line K, Pin 2- line W

Disconnect line W (pin 2) from immo.

Emulator colors	Immo plug 8-pin
+12V ACC	Red Pin 2
GND	Blue Pin 4, Pin 5
CODE	Green Pin 8- line K, Pin 7- line W

Disconnect line W (pin 7) from immo.

Emulator colors		Immo plug 10-pin
+12V ACC	Red	Pin 3
GND	Blue	Pin 9
CODE	Green	Pin 8- line K, Pin 7- line W

Disconnect line W (pin 7) from immo.

Emulator colors		Immo plug 12-pin
+12V ACC	Red	Pin 12
GND	Blue	Pin 11
CODE	Green	Pin 10- line K, Pin 9- line W

Disconnect line W (pin 9) from immo.

Emulator colors		Immo plug 12-pin (np. LT35)
+12V ACC	Red	Pin 7
GND	Blue	Pin 2
CODE	Green	Pin 6- line K, Pin 8- line W

Disconnect line W (pin 8) from immo.

c. Connecting directly to ECU.

Emulator colors		ECU 6K0 906 025 A
+12V ACC	Red	Pin 38
GND	Blue	Pin 1
CODE	Green	Pin 43
		Disconnect pin 43 from ECU plug.

Emulator colors		ECU Siemens PWP4 167, 037 906 024 AE
+12V ACC	Red	Pin 23
GND	Blue	Pin 33
CODE	Green	Pin 43

Emulator colors		ECU 0 261 203 609
+12V ACC	Red	Pin B3
GND	Blue	Pin E7
CODE	Green	Pin A7
		Disconnect pin A7 from ECU plug.

Emulator colors		ECU 0 261 204 956
+12V ACC	Red	Pin 1
GND	Blue	Pin 2
CODE	Green	Pin 19
		Disconnect pin 19 from ECU plug.

Emulator colors		ECU 4A0 907 473 D
+12V ACC	Red	Pin D4
GND	Blue	Pin A11, D1, D9
CODE	Green	Pin B6
		Disconnect pin B6 from ECU plug.

Emulator colors		ECU 06A 906 019 BR
+12V ACC	Red	Pin 1, 3
GND	Blue	Pin 2
CODE	Green	Pin 19
		Disconnect pin 19 from ECU plug.

Emulator colors		ECU 023 906 024
+12V ACC	Red	Pin 8
GND	Blue	Pin 1
CODE	Green	Pin 43
		Disconnect pin 43 from ECU plug.

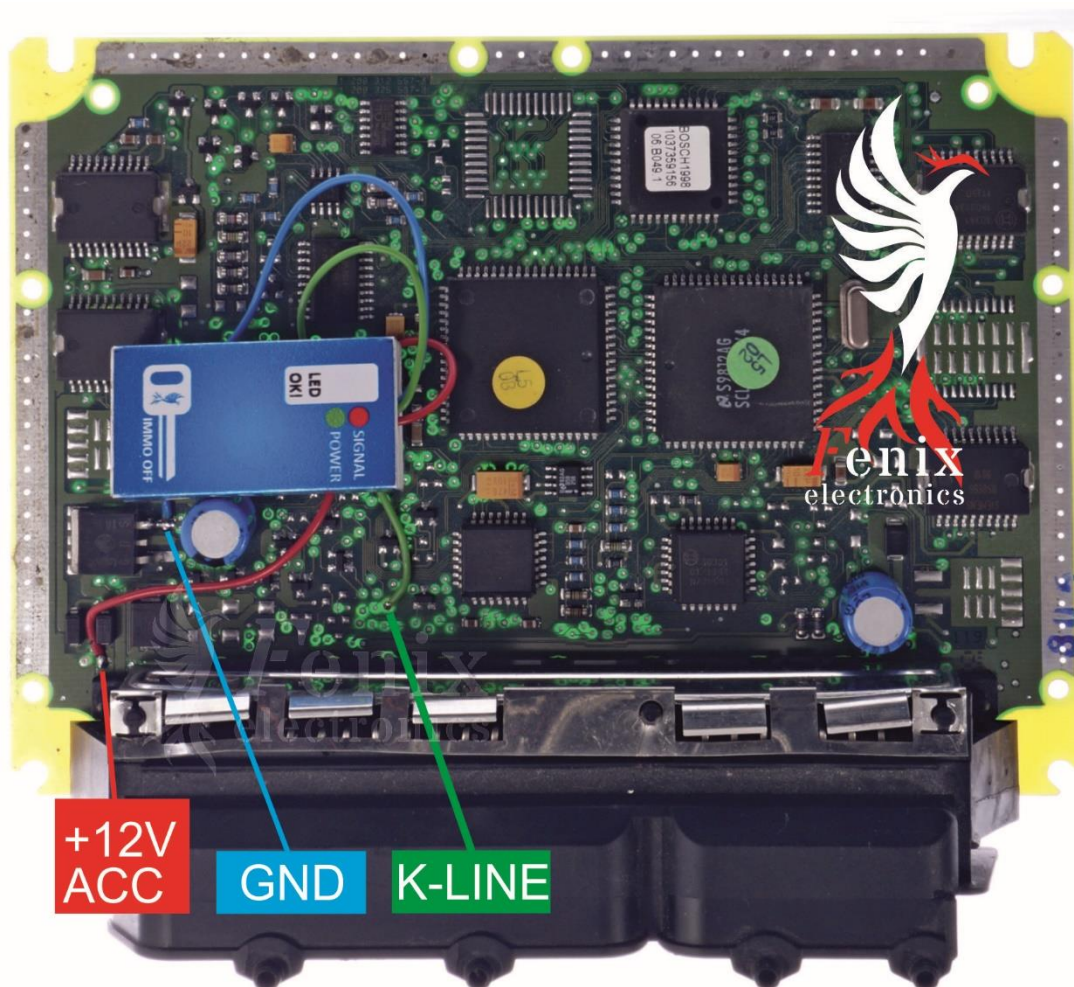
Emulator colors		ECU IAW4AV, IAW4CV
+12V ACC	Red	Pin 3
GND	Blue	Pin 2
CODE	Green	Pin 19
		Disconnect pin 19 from ECU plug.

Emulator colors		ECU IAW4LV, IAW4MV
+12V ACC	Red	Pin 4
GND	Blue	Pin 1, 2
CODE	Green	Pin 43
		Disconnect pin 43 from ECU plug.

Emulator colors		ECU 037 906 025
+12V ACC	Red	Pin 23
GND	Blue	Pin 1
CODE	Green	Pin 43
		Disconnect pin 43 from ECU plug.

Emulator colors		ECU 0 261 203 914, 030 906 027 K
+12V ACC	Red	Pin 21, 23
GND	Blue	Pin 1, 12
CODE	Green	Pin 29
		Disconnect pin 29 from ECU plug.

Emulator colors		ECU 0 261 204 805, 8D0 907 558 E
+12V ACC	Czerwony	Pin 1
GND	niebieski	Pin 2
CODE	zielony	Pin 19



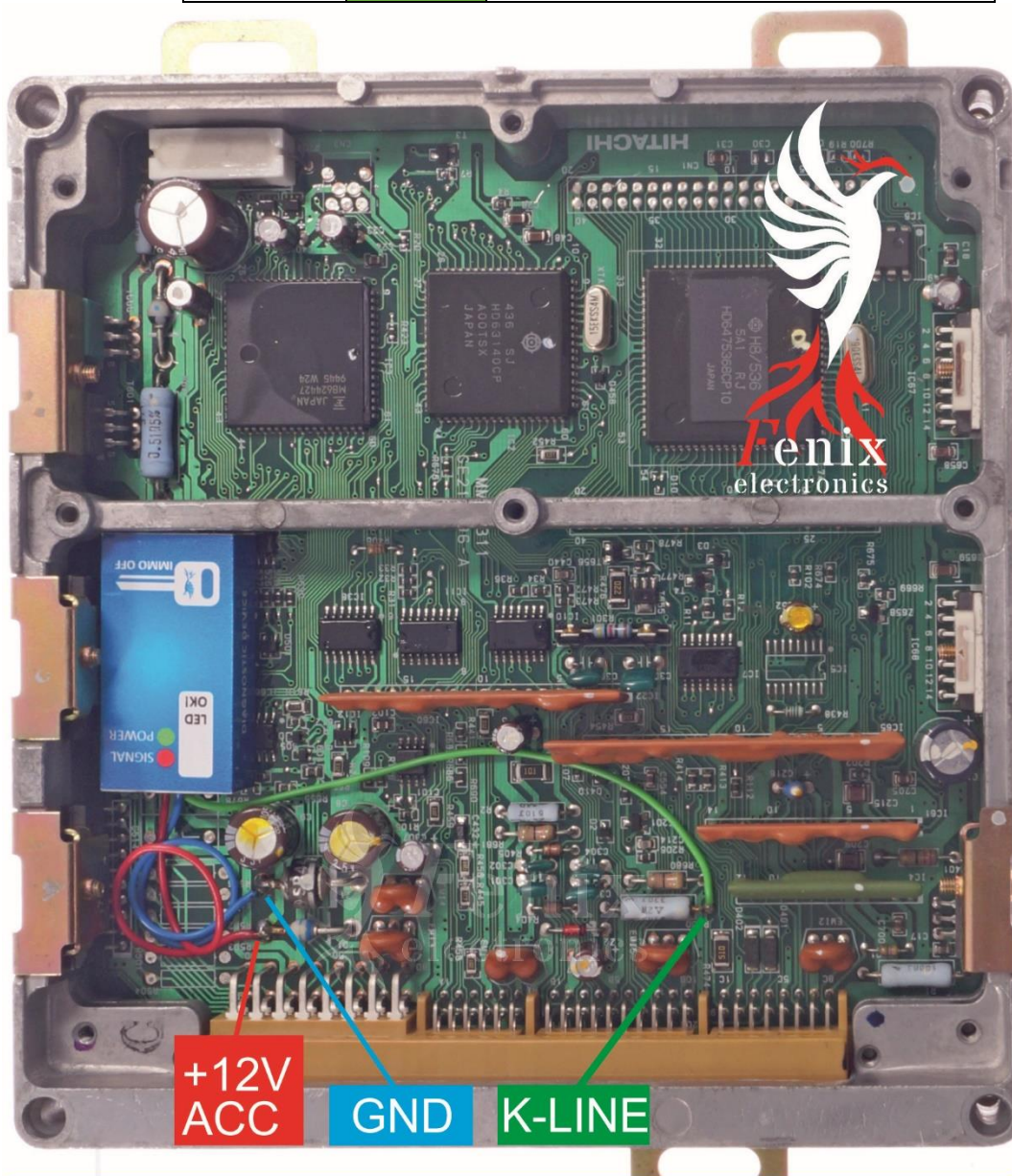
Fenix electronics

immo VW 8D0



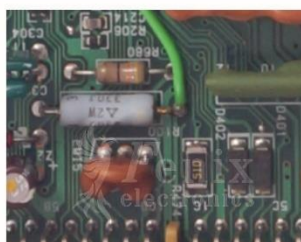
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Emulator colors		8A0 906 266 J (HITACHI)
+12V ACC	Czerwony	Pin D8
GND	niebieski	Pin D16
CODE	zielony	Pin C12



Fenix electronics

immo VW hitachi



Warranty card

Immo emulator – diagnostic device

I. Warranty terms

1. FENIX K. Skowroński Firm guarantees to Buyer 24 months from the purchase date of trouble-free operation of device.
2. Producer provide guarantee and a post-guarantee service at the address: FENIX K. Skowroński, 62-230 Witkowo, ul. Strzałkowska 6, Poland
3. Buyer paying the costs of delivering the device to service and costs of sending back the device.
4. Is important to include in package: warranty card, D, proof of purchase, description of the defect, re-dispatch address, contact phone number.
5. Warranty card is invalid without included proof of purchase (receipt, invoice), sale date, signature and stamp of seller.
6. Breaking a guarantee seal on product case cause loss of warranty.
7. The manufacturer shall repair promptly any defects that follow during the guarantee period, within period shorter that 14 days from the date that product was delivered.
8. The warranty does not cover damage and/or product defects resulting from user fault, improper usage, making modifications, repairs beside warranty service, lighting discharge, any kind of thermal and mechanical damage for the reasons beyond the control.
9. The warranty does not cover damage and/or product defects resulting from improper connecting the device or receiver with parameters over the allowed by producer, also in resulting from short circuits formed in connected receiver.

Sale date: __ - __ - ____

Manufacturer signature and stamp