



Mitsubishi immo emulator

K-line, early systems -

**MR309672, VIM205,
VIM208 and similar**

Description :

Device emulates Mitsubishi immobilizer system, early version – Lancer, Colt, Pajero and similar, up to 2006 (metal box, 12-pin), VIM205 (Carisma / Space Star GDI, red box), Volvo VIM205 green immobox and similar. Emulator is Plug and Play, no alignment necessary.

Installation on car:

- Connect power supply (terminal “15”, or +12 from ECU main relay), ground connection and IMMO line. Important – emulator must wake up together with ECU. It is active for 2 seconds after startup, then goes to sleep. This is due to Mitsubishi ideology – same line is used for diagnostic communication with diagnostic tester on some cars.
- Switch on IGNITION ON / OFF, wait until ECU switches OFF main relay. LED on emulator board blinks fast 4 times.
- Repeat procedure, LED must blink twice – alignment procedure takes place here.
- Now you can start engine, there must be long LED blink (about 1s long). That's all to do.

LED on emulator board:

There is one short blink at startup, just to check if emulator started. Then you must observe:

- 4 short blinks – no authorization,
- 2 blinks – self-align procedure OK,
- 1 long blink – ECU authorized.

Notes:

- If there is short blink at startup only, ECU is silent and isn't communicating for some reason.
- For VOLVO must pull down “starter” wire to ground (make connection between pin 2 and pin 8, immo connector).
- There are two different VIM208 immo systems for VOLVO: green box is for MELCO-1 system (4 plugs), gray box for MELCO-2 system (3 plugs). This emulator works only for MELCO-1. For MELCO-2 must use another one.
- Same story with VIM205, usually black box is for Renault engines (diesel), red box is for Mitsubishi GDI.

