

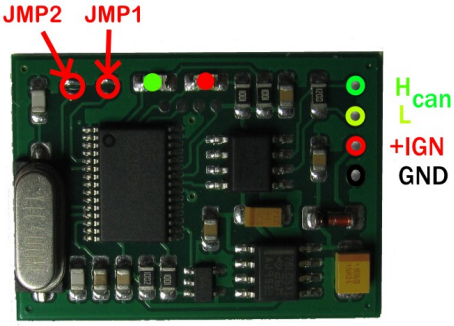


Mitsubishi Canter / FUSO

immobilizer emulator, PT-CAN 500kB

Designed for:

Mitsubishi Canter / FUSO cars with MK645472 Mitsubishi immobilizer, EDC17 ECU, 12V system.



Preparation:

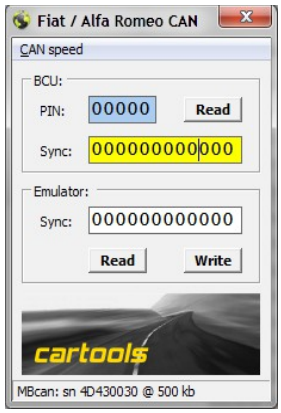
Must store SYNC (6-bytes) into emulator using any suitable CAN logger or MBcan. Emulator must be in configuration mode – JMP1 and JMP2 both open.

How to write SYNC into emulator using CAN logger:

- emulator must be in configuration mode (JMP1 and JMP2 both open).
- CAN communication: 500kb, STD ID (11-bit).
- To **Request** actually stored SYNC:
  - send: `770 (7) DD 00 00 00 00 00 00`
  - receive: `771 (7) EE xx xx xx xx xx xx` - where xx are 6 bytes of actually stored SYNC.
- To **Store** SYNC into emulator:
  - send: `770 (7) CC xx xx xx xx xx xx` - where xx are 6 bytes of necessary SYNC
  - receive: `771 (7) EE xx xx xx xx xx xx` - data must match the request.

How to write SYNC using configurator for MBcan hardware:

Attach MBcan, launch configurator software, choose CAN speed 500 kb, write SYNC. Note: you can't read BCU, communication is possible with emulator only (read / write)!



Installation:

Recommended installation is inside ECU. Must connect +IGN ("kl.15"), GND and PT-CAN (Powertrain CAN) lines according to wiring diagrams.

Warning: do not use C-CAN (Chassis CAN)!

If everything is OK and car starts place solder joint(s) to short JMP – any or both on emulator board to disable SYNC update by accident. Job done.

LEDs on emulator board:

- **RED** and **GREEN** both together: short blink at startup,
- **RED** goes on if ECU communicates, then:
  - if **GREEN** goes on for 1 second, RED off: ECU is authorized,
  - if **RED** remains on for 1 second: wrong SYNC, no authorization.
- **RED** and **GREEN** both changing for 1 second: confirmation (CFG mode only).

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cartools