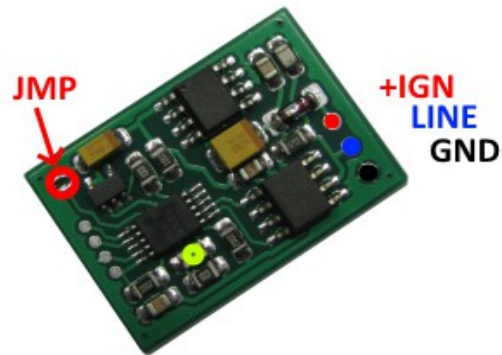# Mitsubishi Canter / FUSO

immobilizer emulator, K-line

Purpose:

Mitsubishi cars with RI-30NMT immobilizer system from Tokai-Rika, 12V system. Not Plug & Play, must do some preparation jobs before installation.

Preparation:

Must store VIN (17-bytes) into emulator using any suitable K-line adapter and configurator software. Emulator must be in configuration mode - **JMP is NOT shorted**!
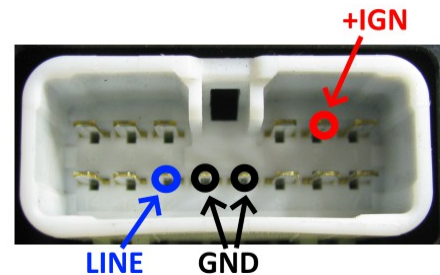

Installation:

Recommended installation is inside ECU. Must connect +IGN ("kl.15"), GND and LINE (immo data line for EDC16 is pin 31 at 96-pin connector) according to wiring diagrams. If everything is OK and car starts **place solder joint (to short JMP)** on emulator board to disable any data updates by accident. Job done.

Wire colors at immobilizer connector:

- **+IGN**:   **BRN**   pin 2
- **LINE**:   **BRN** / **BLK**   pin 12
- **GND**:   2x **BLK**   pins 10,11

LED on emulator board:

- Short blink - at startup if CONFIG mode (JMP left open).
- Long blink – authorization request from ECU received,
- Four short blinks – no communication with ECU.

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