

Isuzu DPF emulator wiring diagram

Correct and error-free operation of the DPF emulator is guaranteed only with a good working MAF sensor and oxidation catalyst temperature sensor.

Before connecting the emulator, reset fault codes and if it possible reset soot level accumulation. Turn on the ignition and measure the voltage with a multimeter relative to the ground to determine the polarity of sensors (do **NOT disconnect** the sensors, do **NOT start** the engine):

1. Temperature sensors: the signal pin has a PLUS voltage, return pin has a NEGATIVE voltage.
2. Differential pressure sensor: the signal pin has 0.5–1.0V, the GND pin has 0V, and the power pin is 5V.

Important: Make sure to avoid wiring to wrong pins as it may damage the device.

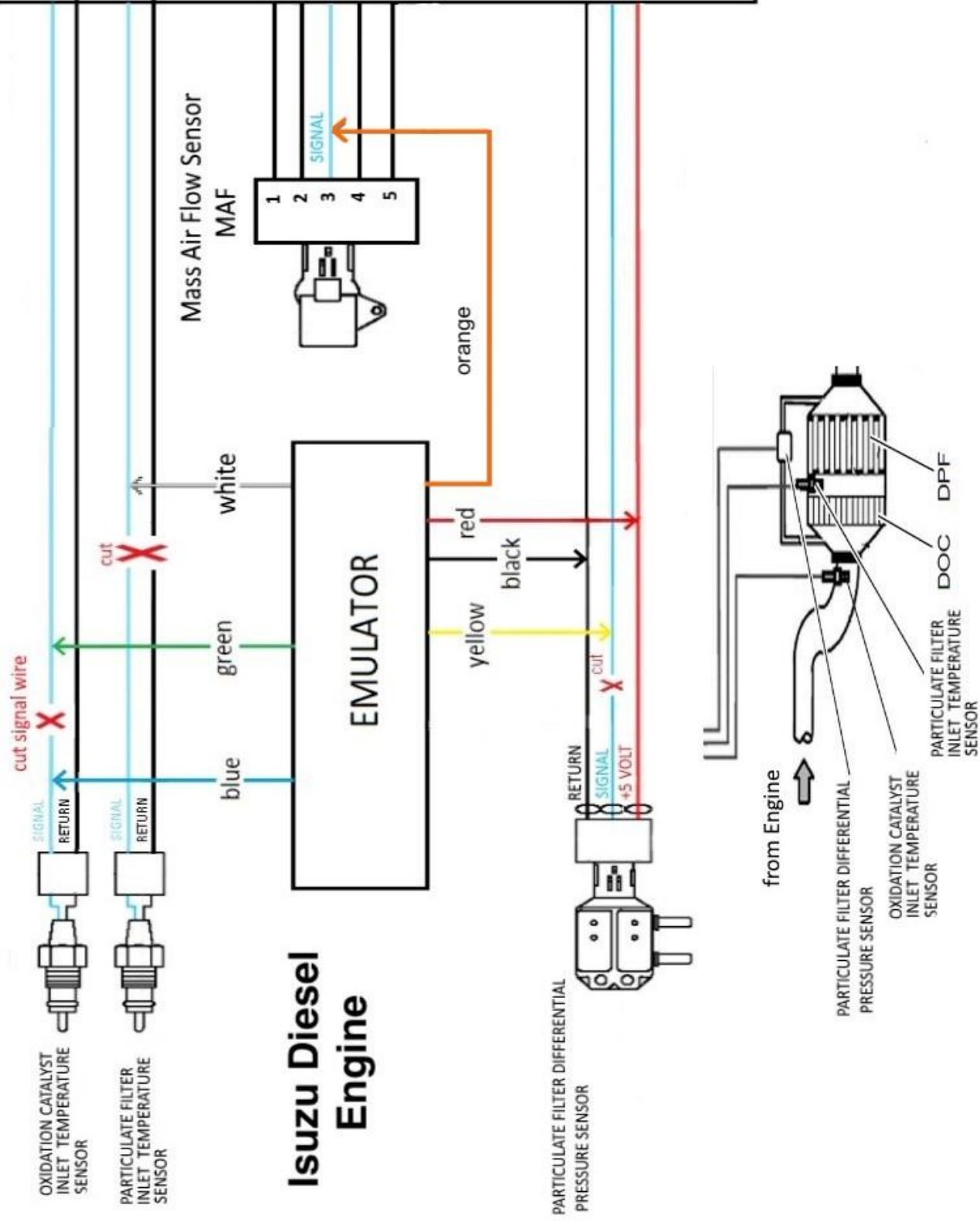
If the DTCs faults still persist after installing the emulator, delete all error codes with a code reader OR make a test drive for 10-15 minutes, then disconnect a battery for 5 minutes. Restart the ignition.

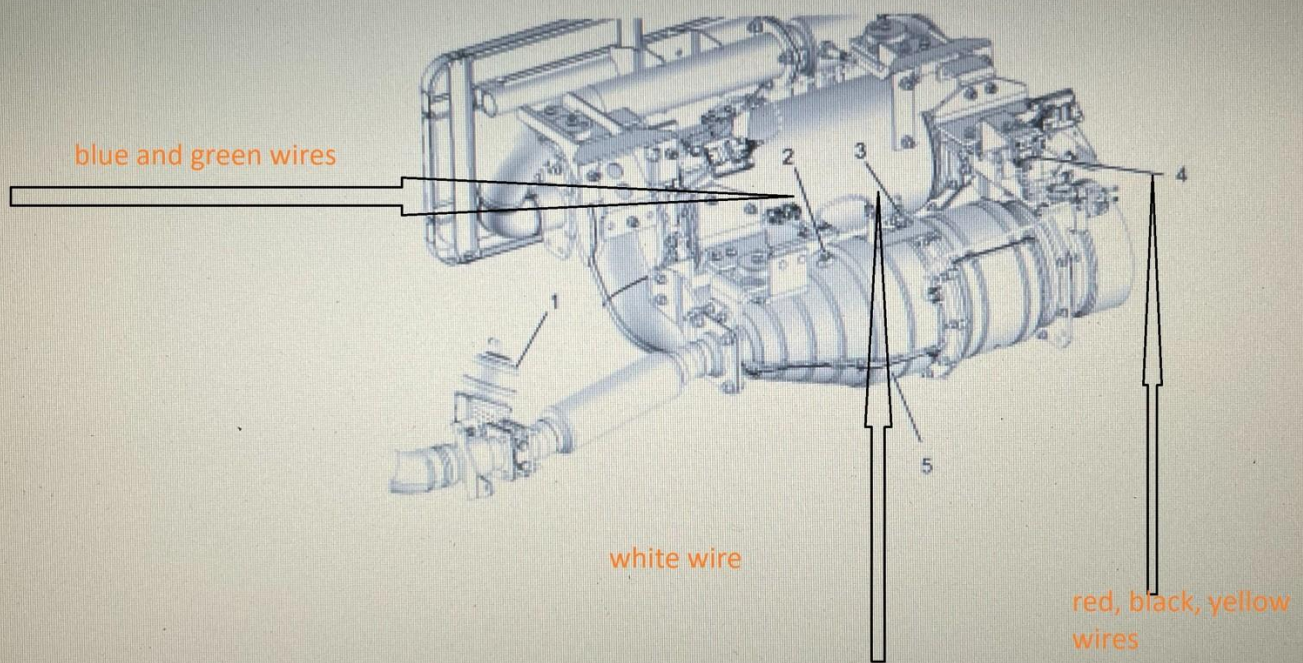
After the emulator operates properly, remove entrails of the DPF filter, but keep DOC (catalyst). For proper operation of the emulator, the temperature sensor must be in the exhaust gas flow, and not away from them.

To test emulator, get external +5V power source and connect to emulator wires: red wire to +5, black to Ground, and measure the voltage between black (Ground) and yellow wires. It should be 1.01V. If the emulator is already connected to the truck, disconnect the yellow wire from the vehicle before measurement.

This emulator is intended for off-road use only.

E C U





- (1) Exhaust brake valve
- (2) Exhaust gas temperature sensor 1 (in front of oxidation catalyst)
- (3) Exhaust gas temperature sensor 2 (in front of filter)
- (4) Exhaust differential pressure sensor
- (5) DPF assembly