# Instruction Manual

## M.A.P. Emulator EX566

# GENERAL DIRECTIONS

We advise you to fix the Emulator in a vertical position, away from possible water infiltrations and excessive heat sources ( for example: exhaust manifolds), so as to avoid to irreparably damage the Emulator.

To avoid bad workings of the Emulator we advise you to:
- pass the Emulator wires away from the high tension wire;

- make good connections. Please, pay attention that the best connection you can do is a duly insulated welding.

Please advise the client that in event of a GAS electric system breakdown, the Emulator automatically resets the original connection.

Do not absolutely open the Emulator box, especially when the engine is running or the board panel is inserted. EX declines every responsabilities for damages caused to things or person which derive from the tampering of its own device provoked by unauthorized persons.

The **M.A.P. Emulator** has been designed for cars equipped with an absolute pressure sensor ( M.A.P.).
Installation is facilitated by the original connectors being used for the connection. In this way the original wiring is not tampered with.
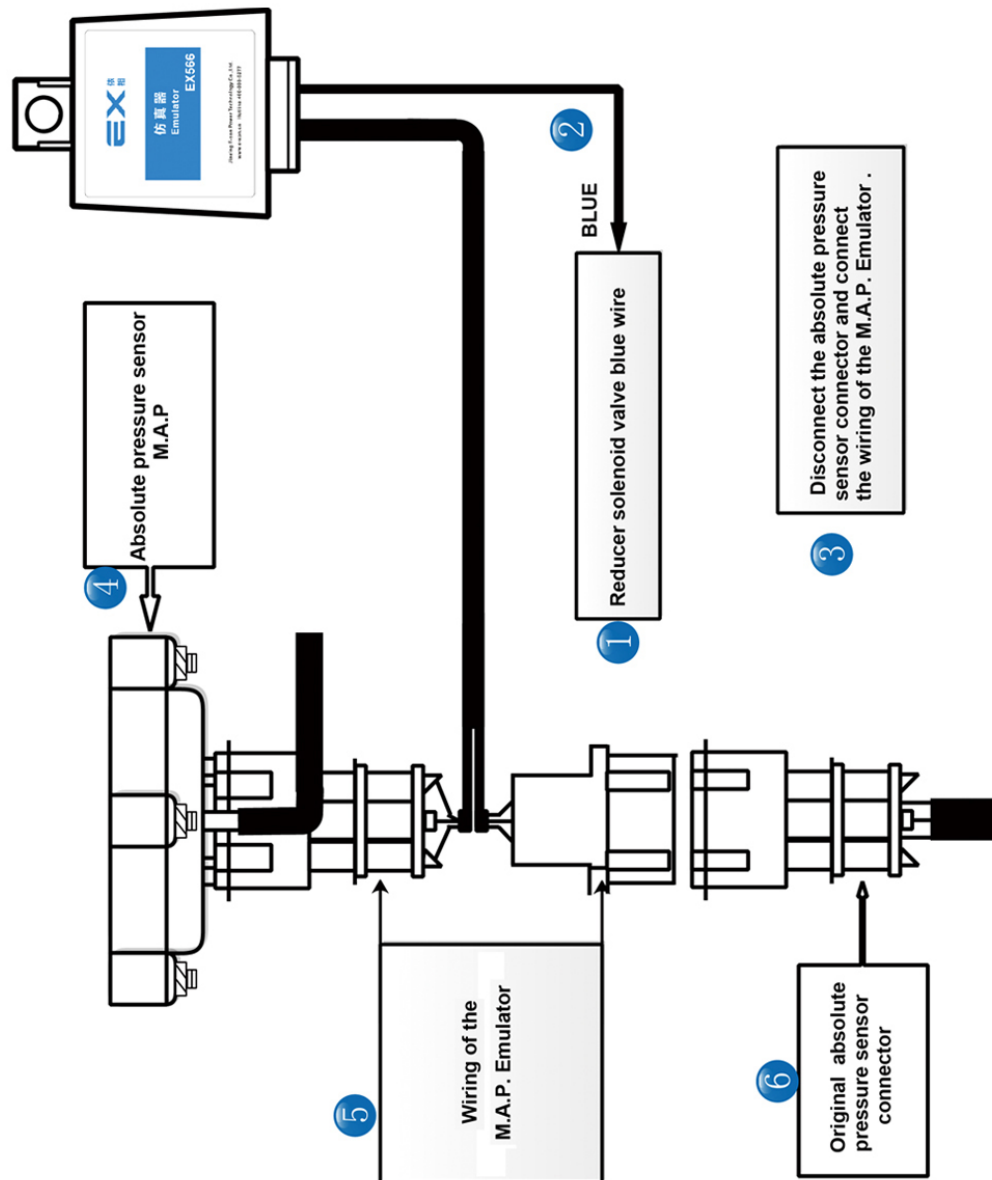
## FEATURES

It increases performance, eliminates sudden drops in timing during acceleration, thereby avoiding backfiring and gaps in acceleration.
**By installing the M.A.P. Emulator, even if the car has been converted to natural gas, you can avoid installing the Timing Advance Converter.**
**It is recommended to install the M.A.P. Emulator and its wiring as far away as possible from the high voltage cables.**

# CONNECTION DIAGRAM



- ① Reducer solenoid valve blue wire
- ② BLUE
- ③ Disconnect the absolute pressure sensor connector and connect the wiring of the M.A.P. Emulator.
- ④ Absolute pressure sensor M.A.P
- ⑤ Wiring of the M.A.P. Emulator
- ⑥ Original absolute pressure sensor connector

# TECHNICAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Feeding Tension | | 10 ÷ 14 Vdc | |
| Overal dimensions of the | height | | 60 mm |
| Electronic Advance Variator | depth | | 29 mm |
| Box | width | | 41 mm |
| | Ø fixing hole | | 5 mm |

## Wire and components identification codes

① Change-over Switch GAS position

② BLUE WIRE

③ Disconnect the absolute pressure sensor connector and connect the wiring of the M.A.P. Emulator code 566.

④ M.A.P. absolute pressure sensor.

⑤ Wiring of the M.A.P. Emulator code 566.

⑥ Absolute pressure sensor connector.