



Engine 8A-FE Trainer

Category: Automotive · Model reference: MZM-8005



SPECIFICATIONS

DESCRIPTION :

The device is designed based on Toyota VIOS 8A-FE's electronically-controlled double-fuel engine to simulate engine startup, speedup, slowdown and other actions with the aim of illustrating the structure and working principle of electronically-controlled double-fuel engines. The device applies to automobile engine and maintenance training courses of secondary and senior vocational schools, ordinary education and training institutions

FEATURES :

- A real and operable electronically-controlled double-fuel engine is used to illustrate the structure and working process the engine.
- Color circuit diagram on the practical training platform is protected by 3mm-thick organic glass. The diagram and electronically-controlled double-fuel engine can help trainees learn and analyze the working principle of the control system.
- The practical training platform is installed with automobile meters; fuel meter, vacuum pressure meter and fuel-shift switch to illustrate changes of parameters including the engine speed, injection pressure, intake manifold pressure and fuel storage volume.
- Detection terminals are installed on the practical training platform. On the platform, operators can detect various detectors, executors, electrical signals of engine control unit pins, such as resistance, voltage, current, frequency, and waveform signals.
- The practical training platform is installed with diagnosis socket connecting dedicated or universal automobile decoder. The diagnosis socket reads fault codes, clears fault codes, and reads data stream from the engine electrical control system.
- A throttle controller is installed on the platform.
- A master power switch, water tank protector, flywheel protector, among other protection devices are installed on the practical training platform.

TECHNICAL PARAMETERS :

- Dimensions: 1400mm x 1000mm x 1800mm (length x width x height)
- Operating power supply: 12V DC

- Fuel No.: engine mode
- Fuel tank size: 10L
- Operating temperature: -40? to +50?

BASIC CONFIGURATION :

No.	Name	Specification and model	Unit	Qty
1	Detection control panel (protected by 3 mm-thick organic glass)	With various detection terminals and a color circuit diagram	Set	1
2	A full set of meters		Set	1
3	Engine ECU		Set	1
4	Diagnosis socket	OBD II	Unit	1
5	Ignition switch		Unit	1
6	Fuel-shift switch		Unit	1
7	Fuel controller		Set	1
8	Fuel pressure meter	0-10 kg/cm ²	Unit	1
9	Vacuum pressure meter	0-76in.Hg	Unit	1
10	Electronically-controlled double-fuel engine assembly	Toyota VIOS 8A-FE	Set	1
11	Fuel vessel		Unit	1
12	Fuel tank	10L	Unit	1
13	Gasoline feed pump (including the plug)		Set	1
14	Throttle controller		Set	1
15	Inlet and exhaust pipes (including protection covers)		Set	1
16	Water tank (including the stainless-steel protection cover)		Set	1
17	Cooling fan	PDM-S81JOES, 12V, 80W	Unit	2
18	Accumulator	65D26R, 12V 65Ah, 560CCA	Set	1
19	Relay	Including: Startup, gasoline, cooling fan relays	Set	1
20	Fuse box		Unit	1
21	Master power switch	50A	Unit	1
22	Intelligent fault setting and appraisal system	FXB-688	Set	1
23	Movable framework (with self-retention wheels)	1400mm x 1000mm x 1800mm (length x width x height)	Set	1

Send Enquiry **Your Name****Your Email****Tele Phone**



MZFIRSTMOTION SDN BHD · Reg No. 1137962-V · No 53, Lorong 1/SS3, Bandar Tasek Mutiara, 14120 Simpang Ampat, Pulau PinangT: +604-505 7422 · E: sales@mzfirstmotion.com · <https://www.mzfirstmotion.com>