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Product Name :

Diesel Engine Fault Diagnosis Training Equipment Auto Fault

Product Code :

SLE/ATE/14



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Description :

Diesel Engine Fault Diagnosis Training Equipment Auto Fault (Product Code: SLE/ATE/14)is a running diesel engine simulator used to teach fault finding and maintenance of diesel vehicle systems in ITIs, polytechnics and engineering colleges. A check terminal box lets students test electronic circuits and sensors with a diagnostic device, and a fault insertion feature with a 3-stage PCB board lets instructors set realistic problems. **Jain Scientific Equipments Pvt Ltd (ScienceLab)** makes the training stand, control panel and fault-insertion system as an OEM manufacturer at its own factory in Ambala, India, while the diesel engine assembly is a sourced production unit, not made in Ambala.

Specifications

Parameter	Detail
Engine	Diesel engine assembly
Fuel and electrical	Fuel filter, fuel tank, fuel pump, fuel devices, DC 12V car battery, generator
Cooling	Radiator, electric fan, overflow tank, relay, antifreeze; radiator-onlystand
Exhaust	Catalyst converter, silencer
Controls	Start switch (key switch), control box for waveform measurement, fuel tank, accelerator lever
Diagnosis features	Check terminal box for testing electronic circuits and sensors with a diagnostic device; fault insertion; control panel open and close feature; 3-stage PCB board mounted
Frame and protection	Stainless molding type safety guard; laser processing protection panel; anti-vibration dampers; urethane wheels
Storage	Drawer type storage space, 1 no
Weight	Approx. 430 kg
Size	Approx. 1,500 × 1,400 × 1,300 mm
Engine / assembly	Sourced production unit (as listed)
Product code	SLE/ATE/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (trainer built in Ambala, Haryana)

Training contents:

- Measurement and adjustment of timing chain and fan belt tension
- Measurement and adjustment of voltage and current in charging and starting circuits
- Various practices by self-diagnosis
- Exhaust measurement; measurement and inspection of cylinder compression pressure
- Radiator cap pressure measurement and radiator leakage inspection