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Product Name :

Automotive Engine Fault Diagnosis Simulator Auto Fault

Product Code :

SLE/ATE/13



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Description :

Automotive Engine Fault Diagnosis Simulator Auto Fault (Product Code: SLE/ATE/13) is a mobile engine simulator used to practise diagnosing faults on an electrically controlled gasoline engine and automatic transmission in automotive training workshops. It carries complete fuel, cooling, intake, exhaust and vehicle electrical systems plus pressure and voltage gauges, so polytechnics and TVET centres can teach maintenance on a running stand. **Jain Scientific Equipments Pvt Ltd (ScienceLab)** builds the simulator's training stand, control box and panels as the OEM manufacturer at its own factory in Ambala, India; the gasoline engine and automatic transmission assemblies are sourced production units, not made in Ambala.

Specifications

Parameter	Detail
Engine	Electrical control gasoline engine assembly, Auto Fault
Transmission	Automatic transmission assembly
Electrical and electronic devices	ECM, TCM, AFS, CKP, CMP, O2 sensor, WTS, control relay, etc.
Fuel and charging	Injector, fuel filter, fuel tank (removable), fuel pump, fuel equipment, DC 12V/60A vehicle battery, generator
Ignition	Ignition coil, spark plug, high voltage cables, ignition switch (key switch)
Cooling	Radiator, overflow tank, relay, electric fan; radiator-only stand
Exhaust	Catalytic converter, emission parts, silencer
Controls	Control box, accelerator lever
Gauges	Automatic transmission oil pressure gauges (1.5 MPa and 2.5 MPa); vacuum pressure gauge (0.1 MPa); fuel pressure gauge (1 MPa); battery voltage gauge (30 V)
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. 400 kg
Size	Approx. 1,500 × 1,400 × 1,300 mm
Engine / assembly	Sourced production unit (as listed)
Product code	SLE/ATE/13
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (trainer built in Ambala, Haryana)

Train