Email : sales@scilabexport.com
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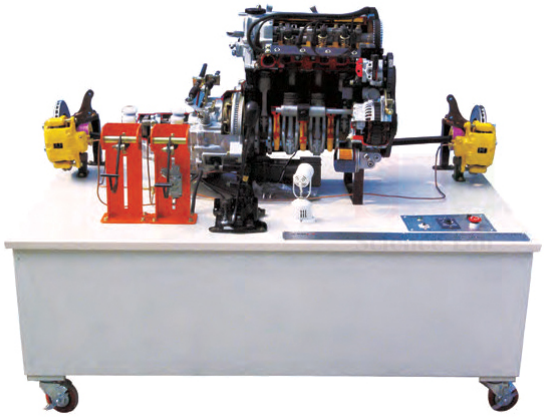
Product Name :

Automotive Power Train Training Equipment
SOHC Gasoline

Product Code :

SLE/ATE/02



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Description :

Students can follow an SOHC four-cylinder gasoline power train from camshaft to drive shaft on this cut-open rig. A single overhead camshaft gives a simpler valve train to trace than a twin-cam engine, and the engine class represented is 1,800~2,000cc. The rig is compact, at about 1,200 × 1,000 × 1,200 mm, and stands on wheels with brake lock.

SOHC gasoline power train trainer specifications

Parameter	Detail
Engine	SOHC engine assembly, 4 cylinders
Engine class represented	1,800~2,000cc gasoline
Transmission	FF-type manual, 5-speed forward and 1-speed reverse
Drive and controls	AC 220 V / 180 W motor, engine speed controller, emergency switch, safety fuse, light
Other assemblies	Clutch and brake system
Frame and mobility	Steel frame with heat-treatment painting; 4 wheels with brake lock
Finish	Incised sections painted in different colours; brake structure and engine parts painted specifically
Weight and size	Approx. 250 kg; approx. 1,200 × 1,000 × 1,200 mm
Build	Training stand and controls made in Ambala; SOHC engine and transmission are production units
Product code	SLE/ATE/02
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Service practicals on the SOHC rig

Brake bleeding. Top up the reservoir, then bleed each wheel in the order the service data gives while a partner presses and holds the pedal. Close the bleed screw before the pedal comes back up, and keep checking the fluid level so no air is drawn in.

Disc and pad renewal. Remove the caliper, measure disc thickness and run-out against the service limits, fit new pads and refit the caliper. Pump the pedal to bring the pads up to the disc before the motor turns the wheels again.

Generator and starter motor. Isolate the mains supply, slacken and remove the auxil
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