Email : sales@scilabexport.com
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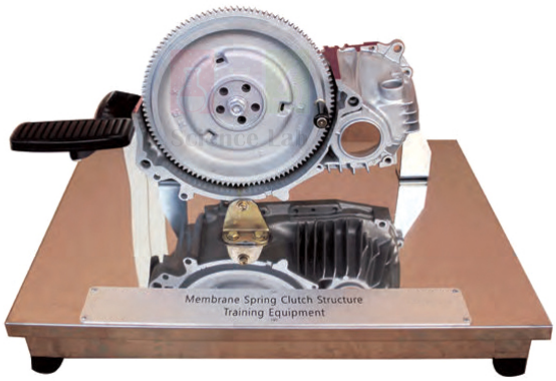
Product Name :

Clutch Structure Trainer Mechanical Manual

Product Code :

SLE/ATE/06



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Description :

The Clutch Structure Trainer Mechanical Manual is a sectioned mechanical clutch that learners work by hand, watching the real movement through colour-painted cut sections. The parts on view are the clutch pedal, the clutch cylinder and the clutch pressing board. The unit weighs about 20 kg and measures about 400 × 300 × 300 mm, so it stores on a shelf between clutch lessons.

Mechanical manual clutch trainer specifications

Parameter	Detail
Type	Education unit of mechanical clutch structure
Operation	Manual, real movement operated directly by hand
Composition	Clutch pressing board, clutch pedal, clutch cylinder
Sectioning	Each incised section painted in a different colour
Weight	Approx. 20 kg
Size	Approx. 400 × 300 × 300 mm
Product code	SLE/ATE/06
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Free play and engagement lessons on the mechanical trainer

Stop-and-look engagement. Ask each learner to push the pedal down slowly and stop the moment resistance rises. That is the end of free play. Carry on in small steps and note where the pressing board starts to move and where drive would be fully cut.

Release sequence drawing. Students sketch the pedal and pressing board at rest and again at full release, colouring each part to match its cut section. Arrows on the second sketch show which way each part moves as the pedal goes down.

Pivot wear check. With the pedal at rest, students rock it gently and find each pivot or joint where lost motion builds up. They then repeat the check on the Clutch Structure Trainer Hydraulic Manual and compare where free movement appears on each unit.

Friction behind the clutch. On a friction slide apparatus, measure the coefficient of friction between two surfaces. Use the result to explain why clamping force and lining condition decide how much engine torque a clutch can carry before it slips.

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