Email : sales@scilabexport.com
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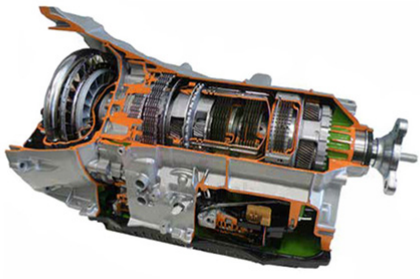
Product Name :

Cut Model Of Automatic Transmission System

Product Code :

SLE/MCE/61



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Description :

Cut from a full-size car automatic transmission, a previously used unit, this teaching model opens up the hydraulic torque converter, planetary gear set, multiple-plate clutches, bands and control valves. A hand crank on the torque converter turns the mechanism, and the model's gear selector sets each of the five forward speeds and reverse, so the instructor can show what holds each gear.

Automatic transmission cut model specifications

Parameter	Detail
Base unit	Full-size original automatic transmission of a car (previously used), sectioned for teaching
Transmission type	Hydraulic automatic
Parts shown	Hydraulic torque converter, planetary gear set, multiple-plate clutches, bands, control valves; hydraulic and lubricating oil paths
Gear change	Epicyclic, 5 forward speeds plus reverse, chosen with the model'sgear selector
Sectioning	Cut to show the internal gear mechanism for forward and reverse speeds
Operation	Manual, by hand crank on the torque converter
Finish	Colour-coded parts in gloss-coated paint; many parts chromium plated and galvanized; hardware and gears electroplated
Mounting	Tubular frame stand with wheels
Size and weight	Approx. 750 × 550 × 700 mm; approx. 110 kg
Product code	SLE/MCE/61
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Lessons with the automatic transmission model

Power flow in each gear. Set the model's gear selector to each of the five forward speeds and reverse in turn, and turn the hand crank slowly. For every position, students record which clutch or band is applied and which planetary member is driven, held or giving output, and build an element chart for the whole transmission.

A single gear set first. Start on the cut model of planetary gear system, where one sun, planet carrier and ring gear are easy to see. Students then find the same mem

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