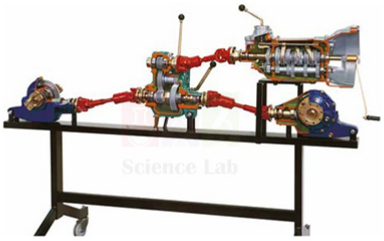
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Product Name :

Vehicle Transmission 5 Speed Manual Gearbox

Product Code :

SLE/MCE/69



Description :

Vehicle Transmission 5 Speed Manual Gearbox (Product Code: SLE/MCE/69) is a real cutaway drivetrain model used to show how a manual gearbox, reduction gear and differentials deliver controlled power to the wheels, in automotive engineering training. Its sectioned parts — a gearbox with 5 speeds and reverse, a 2-speed reduction gear, drive shafts with universal joints and self-locking hypoid differentials — are connected so they work together under manual operation. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Gearbox	5 speeds and reverse
Reduction gear	2-speed
Drive shafts	With universal joints
Differentials	Self-locking hypoid
Control	Movement restorer with front-wheel-drive manual control
Operation	Manual
Construction	Accurate real cutaway parts, connected together to show their operation
Finish	Parts and cross-sections painted in different colours
Dimensions	800 × 300 × 1100 mm (approx.)
Weight	225 kg
Product code	SLE/MCE/69
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the 5 Speed Manual Gearbox Model Used For?

A transmission provides controlled application of engine power, and this model lets students see how. As each gear is selected and the drivetrain is turned by hand, they watch which gear pair carries the drive and follow the power onward through the reduction gear, drive shafts and universal joints to the hypoid differentials.

It serves as a visual aid for mechanical and automotive subjects and as equipment for repair and service training, which makes it a core item of engineering lab equipment in India’s automobile departments and training centres. At 225 kg, it should be given a permanent place in the workshop, with suitable handling equipment used whenever it has to be moved.

OEM Manufacturer

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