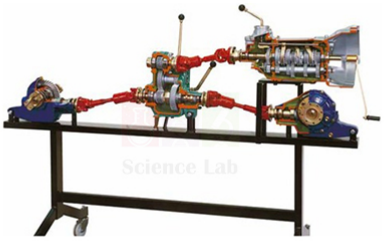
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Product Name :

Vehicle Transmission 5 Speed Manual Gearbox

Product Code :

SLE/MCE/69



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Description :

The Vehicle Transmission 5 Speed Manual Gearbox is a real cutaway drivetrain for following engine power to the wheels. It has a sectioned gearbox with 5 speeds and reverse, a 2-speed reduction gear, drive shafts with universal joints and self-locking hypoid differentials. These parts are connected to work together when operated by hand, and they are painted in different colours.

Manual gearbox cutaway 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 and weight	Approx. 800 × 300 × 1100 mm; 225 kg
Product code	SLE/MCE/69
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Drivetrain exercises on the gearbox cutaway

Measuring the ratios. Select each of the five speeds and reverse in turn. Mark the input shaft and the output, then count input turns for one output turn and tabulate the results. Students note which gears turn the output more slowly than the input, which come close to one turn for one, and how reverse changes the direction.

Following the drive in each gear. Using the colour-coded cut sections, students trace which gear pair carries the drive in every position, and what happens to the shafts in neutral. They sketch the power path for first gear and top gear side by side.

High and low range. Repeat the ratio count with the 2-speed reduction gear in each position and multiply the two figures to get the overall ratios. Then follow the drive on throu , and

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