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Product Name :

CRDI Diesel Engine Power Train System
F/R Type

Product Code :

SLE/ATE/17



Science Lab
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Description :

CRDI Diesel Engine Power Train System F/R Type (Product Code: SLE/ATE/17) is a sectioned diesel vehicle chassis used to teach how a diesel engine, F/R type manual transmission, driveshaft and front axle deliver power to the road, in automotive colleges and trainingworkshops. Steering, brakes, shock absorbers and lighting sit on the same frame, and an AC220V motor moves the power train as in an actual car. The training stand is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, the OEM technical educational equipmentmanufacturer, at its own factory in Ambala, India; the diesel engine and manual transmissionassemblies it carries are sourced production units, not made in Ambala.

Specifications

Parameter	Detail
Type	Operating F/R type manual transmission CRDI and power train system structure of a diesel engine vehicle
Power train	Diesel engine assembly, manual transmission assembly, change lever, driveshaft, front axle
Chassis systems	Brake system, steering system, shock absorber
Other equipment	1 set of lighting, fuel tank, battery, intake/exhaust system
Drive for demonstration	AC 220V motor operation
Finish	Precisely cut to show internal structure; incised sections painted in different colours
Weight	Approx. 450 kg
Size	Approx. 3,000 × 2,000 × 1,300 mm
Engine / assembly	Sourced production unit (as listed)
Product code	SLE/ATE/17
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (trainer built in Ambala, Haryana)

Training contents:

- Adjustment and replacement of brake lining and pad
- Replacing the shock absorber and spring
- Replacing the tyre
- Attaching, detaching and inspecting the fuel pump
- Replacing the oil filter
- Replacement of various belts and belt tension control

What Is the Manual-Transmission Diesel Power Train Trainer Used For?

Where individual cutaways teach one component at a time, this chassis shows how they work toget al trans e same er train