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Product Name :

CRDI Diesel Engine Power Train System
Automatic Transmission

Product Code :

SLE/ATE/18



Science Lab
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Description :

CRDI Diesel Engine Power Train System Automatic Transmission (Product Code: SLE/ATE/18) is a full-size sectioned diesel chassis used to teach the F/R type automatic transmission and power train of a diesel engine vehicle in automotive colleges and training centres. It pairs a 2,900cc class diesel F/R engine assembly with an automatic transmission, driveshaft, front axle, steering and brakes, moved by an AC 220V motor through a controller. Its training stand is built by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India; the diesel engine and automatic transmission assemblies are sourced production units, not made in Ambala.

Specifications

Parameter	Detail
Type	F/R type automatic transmission and power train system structure of a diesel engine vehicle
Engine	2,900cc class diesel F/R engine assembly
Transmission and driveline	Automatic transmission assembly, change lever, driveshaft,front axle
Chassis systems	Brake system, steering system
Other equipment	1 set of lighting, fuel tank, battery, intake/exhaust system
Drive and control	AC 220V motor operation, controller, safety breaker
Finish	Precise cutting 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/18
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (trainer built in Ambala, Haryana)

Training contents:

- Tyre replacement
- Brake lining and pad adjustment and replacement
- Shock absorber and spring replacement
- Fuel pump attachment, detachment and inspection
- Oil filter replacement
- Replacement of various belts and belt tension control

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

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