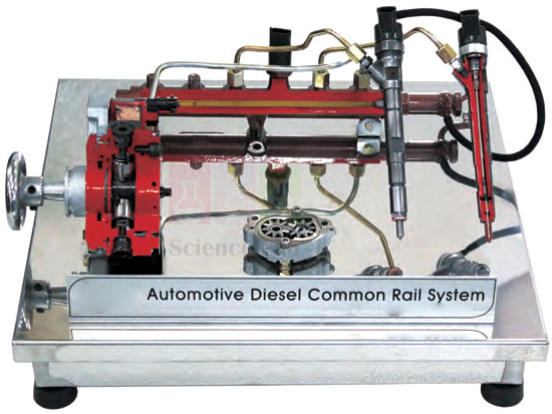
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Product Name :

CRDI (Common Rail Direct Injector) System

Product Code :

SLE/ATE/19



Description :

CRDI (Common Rail Direct Injector) System (Product Code: SLE/ATE/19) is a compact educational unit used to explain the parts and operating principle of a common rail diesel fuel pump and injector nozzle in automobile and diesel mechanic courses. It pairs a CRDI engine fuel pump with an incised injector nozzle and a complete one, and at about 5 kg it can be passed round a table group. The training stand that holds these parts is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, whereas the CRDI fuel pump and injector nozzles themselves are sourced production units, not made in Ambala.

Specifications

Parameter	Detail
Type	Educational unit for the CRDI fuel pump and injector nozzle
Composition	CRDI engine fuel pump, incised injector nozzle, injector nozzle
Finish	Each incised section painted in a different colour
Weight	Approx. 5 kg
Size	Approx. 400 × 300 × 300 mm
Engine / assembly	Sourced production unit (as listed)
Product code	SLE/ATE/19
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (trainer built in Ambala, Haryana)

What Is the CRDI Pump and Injector Trainer Used For?

This unit is designed for the lesson where students first meet common rail technology. The instructor uses the fuel pump to explain how diesel is raised to high pressure and delivered to the rail, then moves to the injector. The complete nozzle shows what a technician sees on the engine, while the sectioned nozzle reveals the internal passages and needle that control spray into the cylinder, helping trainees link symptoms such as poor atomisation or leakage with what happens inside.

Its small size means one set can sit on each bench in a fuel-systems lab, making it practical lab equipment for technical institutes that run several practical groups in parallel. Handle the sectioned nozzle carefully, keep it free of dust and oil, and store the parts together so the set stays complete for the next class.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the OEM (original equipment manufacturer) of the training stand of the CRDI (Common Rail Direct Injector) System, made
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