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**Product Name :**

CRDI Diesel Engine Power Train System
F/R Type

**Product Code :**

SLE/ATE/17



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## Description :

The CRDI Diesel Engine Power Train System F/R Type is a sectioned vehiclechassis that shows power flowing from a diesel engine through an F/R type manual transmission, driveshaft and rear axle. Steering, brakes, shock absorbers, lightingand a battery sit on the same frame. An AC 220V motor moves the power train as inan actual car. Its diesel engine and manual transmission are production units; thestand is built in Ambala.

## Manual diesel power train trainer 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, rear axle |
| Engine and transmission | Sourced production units (as listed) |
| 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 and size | Approx. 450 kg; approx. 3,000 × 2,000 × 1,300 mm |
| Training contents | Brake lining and pad adjustment and replacement; shock absorber and spring replacement; tyre replacement; fuel pump attaching, detaching and inspection; oil filter replacement; belt replacement and tension control |
| Product code | SLE/ATE/17 |
| Minimum order | 10 units |
| Dispatch | Usually within 7 to 10 working days |
| Manufacturer | ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India |

## Manual power train and chassis service tasks

Gear-by-gear power flow. With the drive stopped, select a gear on the change lever, then run the motor and watch how fast the driveshaft turns. Repeat for each gear and for reverse. Students then find the matching gear pairs inside a five-speed manual gearbox cutaway.

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