Email : sales@scilabexport.com
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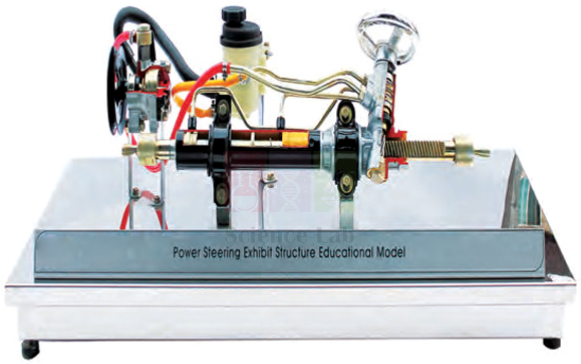
**Product Name :**

Power Steering Gear

**Product Code :**

SLE/ATE/12



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## Description :

The Power Steering Gear is a sectioned teaching unit made up of a vehicle power steering gear, its steering oil pump and the oil tank. Students move the gear by hand to watch the internal parts, check oil flow from the power pump, and pick out each component by the colour of its incised section.

## Power steering gear cutaway specifications

| Parameter | Detail |
|---|---|
| Type | Structure education unit of a power steering gear (sectioned) |
| Composition | Power steering gear, steering oil pump, oil tank |
| Operation | Movement observed by manual operation; oil flow can be checkedby power pump |
| Finish | Painted and coated with vehicle-only materials; incised sections painted in different colours |
| Weight | Approx. 45 kg |
| Size | Approx. 600 × 400 × 400 mm |
| Product code | SLE/ATE/12 |
| Minimum order | 10 units |
| Dispatch | Usually within 7 to 10 working days |
| Manufacturer | ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India |

## Steering lessons on the power steering cutaway

Hand movement and oil flow. Students turn the gear by hand and describe the movement of the internal parts through the sectioned housing. The instructor then runs the oil flow check by the power pump as the supplied instructions describe, and the class relates the oil path to the help a driver would feel.

Colour-code identification. With the labels covered, the instructor points to each colour-painted incised section. Trainees name the part, say whether it belongs to the gear, the pump or the oil tank, and explain its job in one sentence.

Symptom tracing. The instructor reads out a complaint, such as a whine at idle, a moan at full lock or heavy steering when parking, and trainees point to the part of the unit where the cause would lie. The cut model of rack and pinion steering then shows the other common steering layout for comparison.

Two ways to use oil pressure. Compare this unit with the clutch structure trainer hydraulic manual. In the clutch, the driver's foot creates the oil pressure. In power steer
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