



Rack & Pinion Power Steering Trainer Order Code : 32706 is a fully functional trainer, where students can observe the actual operation of an power steering system. The trainer consists of: Hydraulic power pump driven by electric motor, power assist rack & pinion module, steering wheel & column, steering arm & wheel tyre. Two friction components are fastened to the tie rods for simulating the friction between road and tires. The original steering wheel, the torsion bar of the steering system is activated together with the rotary gate valve and in the steering column, an electronic force transducer is installed which transmits the steering power of the steering wheel and makes it visible on a displays To enhance the student understanding of the system, the trainer also incorporated in an aluminum etching color mimic diagram, with elaborate the steering circuit and components. 2. Three unit of pressure gauge to shows the hydraulic control pressure at the system.

Purpose

The topics of learning also cover: 1. Basic rack & pinion steering & recirculation ball steering operating principal. 2. Power steering components operating principal, such as pump, rotary valve, steering arm linkage & hydraulic fluid circuit. The component use in this system is based on latest car models.

- Main control power : 12 V DC, 30A
- Power source require : 220-240Vac, 50Hz. 10A
- Machine dimensions : 1500H X 400W X 1200L mm.
- Weight : @ 80 Kgs

Note: Specifications are subject to change.

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