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CAR STEERING TRAINER AZA1248

The AZA1248 Car Steering & Suspension System Trainer is an advanced automotive educational platform designed to provide complete practical understanding of modern vehicle steering and front suspension systems.

Developed using real automotive components and mounted on a robust mobile steel frame, the trainer enables students and technicians to perform hands-on inspection, adjustment, diagnostics, disassembly, and repair exercises related to steering and suspension assemblies commonly used in passenger vehicles.

The system accurately represents a modern front-wheel steering and suspension layout and includes:

- Power steering rack and pinion mechanism
- MacPherson strut suspension system
- Coil spring and damper assembly
- Wishbone and hub carrier assembly
- Steering motor and hydraulic pump
- Hydraulic pressure monitoring system
- Front wheel assemblies



The open-frame structure allows clear visibility of all components, making the trainer ideal for:

- Automotive engineering laboratories
- Polytechnic and diploma institutes
- ITI and vocational training centers
- Automotive service technician programs
- Workshop training and demonstration sessions



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Key Features

Complete Steering & Suspension Training System

- Demonstrates real automotive front suspension and steering layout

MacPherson Strut Suspension Assembly

- Includes realistic suspension geometry and components

Fully Functional Power Steering System

- Hydraulic steering assistance with live pressure monitoring

Hands-On Disassembly & Assembly Capability

- Supports practical workshop training

Hydraulic Pressure Gauges

- Enables steering pressure diagnostics and analysis

Real Automotive Components

- OEM-style steering and suspension parts

Open-Frame Construction

- Excellent visibility during demonstrations and training

Heavy-Duty Mobile Steel Frame

- Stable, durable, and easy to reposition

Safe Educational Design

- Suitable for repeated student use in laboratories and workshops



UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1248
System Type	Car Steering & Suspension Trainer
Motor Power	1.5 kW
Power Supply	AC 220V / 50Hz
Steering System	Power Steering Rack & Pinion
Suspension Type	Front MacPherson Strut Suspension
Major Components	Steering Motor, Hydraulic Pump, Suspension Assembly, Wheel Assemblies, Pressure Gauges
Frame Type	Mobile Heavy-Duty Steel Frame
Overall Dimensions (L × W × H)	2000 × 1100 × 1300 mm
Net Weight	Approx. 130 kg