



## Double-Wishbone Suspension with Steering Linkage

### Description:

- Must be a complete front suspension and steering system with linkage.
- Fixed on a table or a rotary arrangement, used for practice on assembly and disassembly training of steering.
- System includes suspension, brake hubs, rotors, and wheel bearing.
- All parts must be in good working condition.
- Clean, complete front suspension with coil spring, steering ends, and steering linkage.
- Rack and pinion steering assembly, wheel hubs with brake rotors.
- The trainee will understand steering angles like **Caster**, **Camber**, and **Toe-in / Toe-out** arrangement.

### Included Accessories:

- Steering wheel
- Steering Gear Box
- Front suspension system
- Carriage wheel
- Electric Control Unit
- Torque sensor
- Voltage display

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Combination instrument
- Starting switch
- Speed of the car simulator
- OBD diagnostic interface
- Fault setting system
- Traversing carriage

#### Features:

- Adjustable torque size of Power Steering system according to different rotation speeds and vehicle engine speed
- Self-diagnosis system: warning light must flicker when breakdown occurs
- Turning angle to measure and adjust wheel alignment
- **Measurement board:**
  - Engine electronic control system circuit diagram
  - 4mm measured terminal for measuring voltage, resistance, frequency, or waveform of circuit components
- **Fault setting system:**
  - Numeric keypad and intelligent wireless networks
  - Movable bench

#### Trainer Specifications:

- Trainer Dimensions (W x D x H):
  - (1700 × 900 × 1100) mm
  - (2000 × 1250 × 1750) mm
- Movable with 4 wheels
- Inspect steering shaft universal joint, flexible coupling
- Power: Three-phase or single-phase (380/220)V, (50–60)Hz
- AC motor (1.5–3) kW drives a booster pump
- Rotation speed: 1000–1400 r/min
- Real-time oil pressure display via pressure meter
- Max operating temperature: 50°C

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- Noise level: 50–65 dB
- Oil pressure gauge range: min 0–20–max 100–140 kg/psi
- Base frame: steel, paint-coated
- Includes: collapsible column, lock cylinder mechanism, and steering wheel

**Training Capabilities:**

- Disassemble, inspect, and reassemble rack and pinion steering gear
- Remove and replace manual or power rack and pinion steering gear
- Inspect and replace inner track rod ends and gaiters
- Inspect power steering fluid levels and condition
- Diagnose power steering fluid leakage
- Remove, inspect, and replace:
  - Power steering pump, mounts, seals, belt, pulley
  - Coil springs and spring insulators
  - Track rod ends, sleeves, and clamps
  - Upper and lower wishbones, bushes, shafts, rebound bumpers
  - Hub carrier assemblies
  - Dampers

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