

Heavy Duty Vehicle Parts in Colombia

Master Heavy Duty Vehicle Parts in Colombia: Expert-Level Maintenance & Diagnostics

From engine specs to hydraulic diagnostics, this course delivers a complete, practical guide to maintaining heavy vehicles. Learn industry-standard procedures, prevent costly breakdowns, and master the systems that keep Colombia's logistics moving.

33 modules

What you'll learn

- ✓ Identify truck components, engine types, and core vehicle specifications
- ✓ Perform precision engine maintenance, lubrication, and performance monitoring
- ✓ Ensure safety and extend vehicle lifespan through professional tire and wheel management
- ✓ Diagnose and repair brake, suspension, and steering systems
- ✓ Troubleshoot complex electrical, hydraulic, and fuel systems

Syllabus

1 Introduction to Heavy Vehicle Parts

Truck Components Overview Engine Types and Specifications Basic Maintenance Procedures
Safety and Tools for Heavy Equipment Truck Systems Overview

2 Brake Systems and Components

Brake System Components Brake Maintenance and Repair Brake Fluid and Maintenance
Common Brake Issues and Solutions

3 Suspension and Steering Systems

Suspension System Components Suspension Troubleshooting Shock Absorber and Spring Maintenance
Wheel and Axle Alignment

4 Engine Maintenance and Lubrication

Engine Oil Types and Properties Oil Change Procedures Filters and Replacement Techniques
Engine Performance Monitoring

5 Air and Fuel Systems

Air Filter Replacement Intake and Exhaust Systems Turbocharger and Supercharger Maintenance
Air System Troubleshooting

6 Electrical and Electronic Systems

Electrical Systems Overview Battery Maintenance Electrical Fault Diagnosis Lighting and Signaling Systems

7 Hydraulic Systems

Hydraulic System Components Hydraulic System Maintenance Hydraulic System Troubleshooting
Hydraulic Fluid Properties

8 Tires and Wheels

Tire and Wheel Replacement Tire Maintenance and Inspection Wheel Alignment and Balancing
Tire Pressure and Load Capacity

Who is it for?

Truck drivers, mechanics, and fleet operators in Colombia seeking professional mastery over heavy-duty vehicle maintenance.

Start today at **capacita.paulovila.org**

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