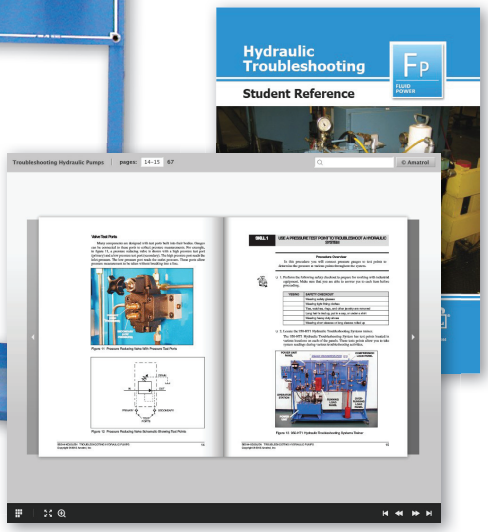
Hydraulic Troubleshooting Learning System

950-HT1

FLUID POWER



950-HT1



Optional Online eBook and Student Reference Guide

Learning Topics:

- Troubleshooting Techniques
- Measurement Methods
- System Tuning
- Flushing
- Startup/Shutdown Procedures
- Troubleshooting Pilot-Operated DCVs
- Troubleshooting Counterbalance Valves
- Troubleshooting Unloader Valves
- Troubleshooting Subplate-Mounted Valves
- Troubleshooting Dial-Type Flow Control Valves
- Troubleshooting JIC Tie Rod Cylinders
- Troubleshooting Hi-Lo Pump Systems
- Troubleshooting Pressure-Compensated Pumps

Amatrol's Hydraulic Troubleshooting Learning System (950-HT1) allows users to gain skills such as troubleshooting techniques, system tuning, and pilot-operated DCVs operation. This learning system will also introduce learners to pressure-compensated pumps, pressure-compensated flow control valves, counter-balance valves, and unloader valves. Learners will apply their knowledge of these and other hydraulic components as they practice and study how to troubleshoot individual components before moving on to learn system level troubleshooting techniques.

This hydraulic troubleshooting learning system features hydraulic power unit, and overrunning, compression load, power unit, and running load hydraulic circuit panels. Learners will use these real-world hydraulic circuits and other components to practice troubleshooting, tuning, and flushing. Amatrol uses components that learners will find on-the-job in order to give the best opportunity to build confidence and gain industrial competencies.

AMATROL®

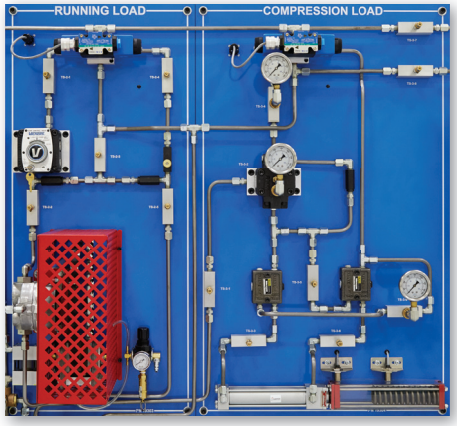
Technical Data

Complete technical specifications available upon request.

Mobile Workstation
Power unit with tandem pump: pressure compensated and fixed
Unloading valve network
Accumulator network
Work cylinder network with pilot operated DCV and counter balance valve
Clamp cylinder network with pressure reducing valve and pilot operated check valves
Motor network with cross cushion relief valve
Multiple pressure relief valve network
PLC control unit
Dual load unit inertial and friction type
Manual fault system with 40 hydraulic and electric faults
Student Learning Activity Packet (BB544)
Teacher's Assessment Guide (CB544)
Installation Guide (DB544)
Student Reference Guide (HB544)
Additional Requirements:
41220 Hand Tool Package
79-552 Accumulator Charging Assembly
16393 Hydraulic Oil
Utilities:
Electricity (280 VAC/3 phase)
Compressed Air

Real-World Training in Sequencing and Operation for Robots

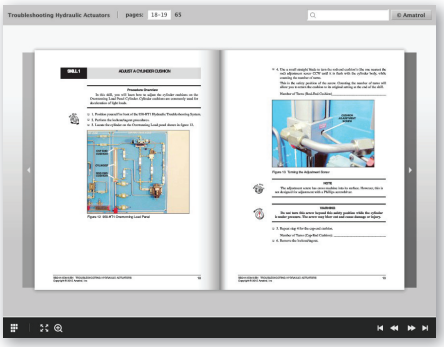
The 950-HT1 System consists of a mobile workstation, with hydraulic power unit, (4) machine application panels, PLC control, fault insertion system, student learning materials, and a teacher's guide. Hydraulic application panels include: power unit controls, running load, compression load, and overrunning load. Learners will use these components to practice vital hydraulics troubleshooting skills, such as: operating a pressure-compensated pump, measuring case drain flow, testing in-circuit hydraulic components, cylinder and DCV troubleshooting, counterbalance valve operation, and troubleshooting machine sequence faults.



Running Load & Compression Load Application Panels

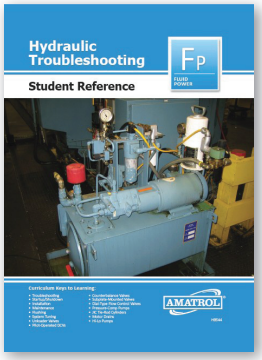
World-Class Pick and Place Curriculum and Hands-On Skills

This learning system also includes Amatrol's world-class curriculum, combines strong theoretical knowledge and concepts with hands-on skills for the best industrial competency-building on the market. This thorough, exceptionally detailed curriculum is built to begin with the basics and steadily advance to more complex concepts and skill. The hydraulic troubleshooting system teaches advanced hydraulics, system tuning, installation, and maintenance and much more. The 950-HTI curriculum covers major objectives like utilization of dial-type flow control, unloader and counterbalance valves, JIC tie rod cylinders, multi-stage pumps, hi-lo pump systems, and more. The curriculum is also optionally available as an online eBook.



Student Reference Guide

A sample copy of the Hydraulic Troubleshooting Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.



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