

ACS550 OEM Service & Maintenance Program Description

Tuition Fee - \$450 per student

OEM Service & Maintenance for the ACS550

This program is specifically designed to provide students with the part replacement knowledge and exercises to service and repair drives in the field. The program will cover safe working practices, basic troubleshooting for major drive components, disassembly, and reassembly of LV drives.

Student Profile

This program is intended for electricians, technicians, and engineers responsible for installing, servicing and maintaining the ACS550 Drives. The student must be an employee of an OEM company. If the student is not an employee of said company, please contact ABB Training for a more appropriate course.

Program Type and Duration

This is a 1.5 days instructor-led training class that includes lab exercises to achieve course objectives. The US9231 program includes prerequisite e-learning courses which need to be completed prior to attending the class.

Program Objectives

The objective of this program is to teach students to adjust, operate, maintain, troubleshoot and repair the ACS550 AC Drive using available programming and troubleshooting tools.

Upon successful completion of this program, students will obtain the following:

- Apply basic safe work practices for installation and commissioning of LV Drives
- Understand the risks associated with LV Drives
- Gain complete understanding of service and maintenance requirements for a LV AC Drive
- Perform fault diagnostics and quickly correct fault issues using available tools on site
- Repair and replace faulty hardware

Program Prerequisites

- US9228 ACS550 OEM Startup program
- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Knowledgeable in using test equipment such as multi-meters, oscilloscope, and computer skills
- Basic understanding of LV AC Drives
- Understanding of basic motor control
- Understanding of LV AC Drive operation
- Product operational knowledge of the ACS550
- Completed a product overview training program for the ACS550
- Familiarity with product commissioning PC tools

Training class locations and scheduling

The instructor-led class is offered at our New Berlin, WI training facility. Please visit the Drives, PLC and Motion Training Schedule for a list of upcoming classes.

Student Materials

Student will receive upon completion of the instructor-led class:

- Student binder with all training materials
- Product manuals

Service and Maintenance Program

The OEM program comprises of third-party companies in the US and Canada to provide on-site repair services for ABB LV Drive products incorporated in OEM provided equipment. OEM participants are authorized to repair ABB LV Drives who have received OEM Startup training. The repair may be warranty or non-warranty. Warranty repairs are managed by ABB LV Drives Technical Support. Non-warranty repairs are managed by the OEM Company.

Information to become an authorized OEM

Contact the local sales rep in your area to obtain an application for OEM authorization. The application is subject to an approval process. Students can enroll in OEM programs when the application reaches a pending status.

Program Description

Instructor-led Class - Agenda

Day 1
8:00 a.m. - 5:10 p.m.
Course Introduction
Policy & Procedure Review
Troubleshooting Faults Worksheet Lab
Troubleshooting Faults Doc
Block Diagrams
Static Checks Lab
Review - Question and Answer
Hardware Component Replacement Lab

