



DESCRIPTION

**Class "C"
9-70110-2**

LIMITORQUE™ ACTUATOR MECHANICAL MAINTENANCE AND REPAIR TRAINING COURSE

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| Maximum Class Size: | 6 Students per Instructor |
| Course Duration: | 3 Days |
| Prerequisite: | None |
| Supplied Materials: | Training Manual for Each Student |
| Training Aids: | Various Limitorque™ Actuators and Assorted Parts |
| Suggested Attendees: | Plant Electricians, Mechanics, Electrical and Mechanical Foreman, Engineering and Operations Personnel |
| Course Description: | <p>This 3 day course will provide students with instruction in the mechanical operation of Limitorque™ SMB, SB, SBD, and HBC Actuators. Through classroom instruction and hands-on lab experience, this course will provide the student with practical knowledge necessary for the operation, refurbishment, troubleshooting, and preventative maintenance of Limitorque™ Actuators.</p> <p>The student will receive theory of operation of SMB-000 through SMB-4 and HBC-0 through HBC-7 along with hands-on disassembly / reassembly of various SMB and HBC actuators and a comprehensive written examination covering the entire course.</p> <p>This course may be restructured to emphasize SM or SMA actuators to fit the client's requirements.</p> |
| Terminal Course Objectives: | <p>Upon successful course completion, the student will be able to:</p> <ul style="list-style-type: none">- Visually identify each type of Limitorque™ Actuator, describing their design and application differences. |

- Perform all required preventative maintenance on a Limitorque™ Actuator
- Perform disassembly, inspection, repair, adjustments, lubrication, and reassembly of Limitorque™ Actuator models SMB-000 / 00 and SMB-0 through SMB-4.
- Describe Limitorque™ Maintenance Updates and how they effect the installation, operation and maintenance of Limitorque™ Actuators.
- Perform troubleshooting of mechanical problems on malfunctioning Limitorque™ Actuators.

Course Benefits:

- Increased knowledge of Limitorque™ Actuator operation and terminology which in turn will improve workmanship, efficiency, and enhance troubleshooting efforts.
- Improved Limitorque™ Actuator maintenance which results in fewer maintenance related actuator failures, improved actuator reliability, increased actuator life.
- Decrease the number of Limitorque™ Actuator disassembly / reassembly errors.
- Elimination of common Limitorque™ Actuator maintenance misconceptions (ie., filling the motor with grease, or filling the actuator gearbox with grease intended for the limit switch gearbox).