



2019 Technical Service School

Multiquip Standard Products Training

Multiquip's Standard Products Service School focuses on Multiquip core contractor and rental construction equipment product lines. With technical training from learning electrical fundamentals, electrical safety, generator theory, schematic interpretation, generator troubleshooting, water pump theory and repair, compaction equipment, hydraulic components, small engines and walk behind trowels, you're guaranteed to increase your product and technical knowledge on the most reliable equipment in the industry. (See page 2 for course description).

Multiquip's Standard Products Service School will prove to be beneficial for both the entry level and the experienced technician in the industry. An investment into your technician's training is an investment into your business that will result in less equipment down time.

Service School Dates and Locations

Location	Dates	Class
San Bernardino, CA	Jan 29-31, 2019	Standard Products
San Bernardino, CA	Mar 26-28, 2019	Standard Products
Lewisville, TX	Sept 10-12, 2019	Standard Products
San Bernardino, CA	Oct 15-17, 2019	Standard Products

Standard Products Training is a 3-day class
 Tuesday to Thursday, 8:00 AM to 4:00 PM
 Attendance is limited to 12 students per class.
 Sign up to reserve your spot today!
 Students must wear appropriate shop clothing.

Please fax or email this page to Brenda Hurtado at 310-632-6197 or
 bhurtado@multiquip.com For more information, call 800-421-1244

Customer and contact name: _____

Attendee name: _____ Email: _____

Address: _____ No. of hotel nights requesting: _____

Phone/Fax: _____ Driving Flying*

- **Classes may be cancelled** if there are not enough registered students.
- **Multiquip pays for three nights of lodging, breakfast and lunch** for three day classes.
- **Dinner will be the student's responsibility.**

* If flying, please fax us your flight itinerary ASAP. Student should arrange flights to arrive the day before the class begins. Return flights should be arranged for 3 hours after the close of class on the last day.

Choose One	Location/Date
<input type="checkbox"/>	Jan 29-31 — San Bernardino, CA
<input type="checkbox"/>	Mar 26-28 — San Bernardino, CA
<input type="checkbox"/>	Sept 10-12 — Lewisville, TX
<input type="checkbox"/>	Oct 15-17 — San Bernardino, CA

By enrolling, the dealer/attendee agrees that in the event a class is cancelled, Multiquip will make every attempt to accommodate the attendees in the next available class. Multiquip is not responsible for refunding the cost of unused airline tickets or charges imposed by the airlines for changing itineraries. Once enrollment is confirmed, a credit card will be required to guarantee your hotel reservations. All attendees will receive a packet with arrival instructions and confirmation by fax or email.

Signature _____

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 World class support.**

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 800-421-1244





Multiquip Standard Products Training

Course Description

The following is a general agenda of the course. Course agenda may change due to new products, product availability and overall student interest in various products and topics.

DAY 1

- **Electrical Safety:** Electricity must be treated with caution. A general electrical safety review lays the foundation for technician awareness of electrical systems and power generation safety.
- **Basic Electrical Fundamentals and Generator Theory:** Knowing the fundamentals is important for a qualified electrical service technician. Review why Ohms Law and voltage drops are key fundamentals in troubleshooting. Understand the components that make up the generator end.
- **Multiquip's DA and GA Series portable generators and welders:** Understanding how it works is essential for the technician for repair. Review model function and learn to read wiring schematics.
- **Hands on:** Take the theory to the shop and perform unit rental ready inspections, component id, troubleshooting, and voltage and resistance test procedures. We will load bank a GA6 and discuss reasons for load banking. **PLEASE BRING YOUR DIGITAL VOLTMETER.**

DAY 2

- **Compaction Theory:** The day begins with an overview of general compaction theory and the industry's methods for testing soil compaction for proper moisture content and soil stiffness meters.
- **Mikasa Compaction Products:** A Powerpoint presentation will lead you through MQ-Mikasa dirt rammers and plate compactors. Understand rammer and plate compactors preventive maintenance practices, service intervals, principals of operations, and repair processes. The instructor will lead you through the popular Honda GX100 engine and its finer points for reduced down time.
- **Hands on:** Technicians will complete a tear down and build up of the bottom end of a rammer, learning the correct, SAFE, and

quickest methods for rammer teardown. The proper and safe use of disassembly tools is demonstrated. Also, Honda GX100 service points, valve adjustment and cam pulley replacement is demonstrated. Students will be able to walk through these important service points on our training engines.

- **Multiquip Rollers:** Review some of the simplest and most reliable small line rollers in the industry.
- **Rammax Rollers:** Learn operations and troubleshooting practices on the most rugged trench rollers in the industry. Topics include preventive maintenance, electrical components, hydraulic operations and transmitter to receiver eye to receiver box troubleshooting.
- **Hands on:** Students will have a chance to operate various models of Multiquip's compaction line products including rammers, plates and rollers. Equipment testing of engine RPM's and VPM's are demonstrated along with component identification, function and troubleshooting discussion.

DAY 3

- **Water Pump Theory:** The day begins with water pump theory. Learn why pumps don't suck water but create an area of low pressure to move water. Learn the effects of altitude on pump performance and review various types of pumps and their preferred applications.
- **Centrifugal Pump Repair:** Review the components involved in maintaining pump vacuum. Learn about Component function and replacement, mechanical seal replacement, rental ready inspections and final pump testing to ensure the pump is able to lift water.
- **Submersible Pumps:** Students are instructed on the advantage of submersible pumps. Instructor will lead a PPT teardown of our standard 110V submersible pump. Students will learn why pump control boxes are mandatory for all MQ dual voltage 3-phase sub pumps.
- **Whiteman Walk-Behind Trowels:** A review of trowel components and discussion of the importance of proper trowel set up, pitch bolt adjustment, pitch cable tension and more.

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