



KARCHER MUNICIPAL NORTH AMERICA
TRAINING CATALOGUE 2025/2026



Introduction

Welcome to the Karcher Municipal North America training catalogue.

Here you will find information about the various courses we offer both Online and In Person. These courses range from basic operation to advanced diagnostics, and may be customized or combined to better suit your needs.

For example, we offer a two-day MC150 technical course and a two-day MC250 technical course.

These could be combined into one - 3 day course.

Any question or comments may be directed to techsupport-na@municipal.karcher.com or your Regional Sales Manager.

Training Course Table of Contents

1. OL: Karcher Diag

Description: This course provides a comprehensive understanding of the Kärcher DIAG Municipal software, enabling participants to perform vehicle diagnostics, software updates, parameter changes, maintenance resets, and troubleshooting effectively.

Length: 1.5 hours

Delivery Method: Online

2. OL: Bodas Diag

Description: This training equips participants with the knowledge and skills to effectively use the Bodas Service software for vehicle diagnosis, parameter management, software updates, and error troubleshooting on Kärcher vehicles with Bodas control units.

Length: 1.5 hours

Delivery Method: Online

3. OL: DISIS

Description: This course is designed to equip users with the knowledge and skills to efficiently navigate the Kärcher Municipal Extranet, look up parts, and download essential manuals and documents.

Length: 1.0 hours

Delivery Method: Online

4. IP: Holder C70 Technical

Description: This intensive, in-person training offers a holistic understanding of the Holder C70 Municipal Vehicle, covering essential skills for safe operation, routine maintenance, and in-depth technical diagnostics and repair.

Length: 2.0 days

Delivery Method: In-person

5. IP: Lv2 Holder C70 Technical

Description: Building on the Holder C70 Technical course, experienced Karcher technicians can return to hone their skills in diagnosing and repairing.

Length: 2.0 days

Delivery Method: In-person

6. IP: Holder S-Series Technical

Description: This intensive, in-person training provides a thorough understanding of the Holder S75 Municipal Vehicle, covering safe operation, routine maintenance, and in-depth technical troubleshooting.

Length: 2.0 Days

Delivery Method: In-person

7. IP: Lv2 Holder S-Series Technical

Description: This intensive, in-person training offers a holistic understanding of the Holder C70 Municipal Vehicle, covering essential skills for safe operation, routine maintenance, and in-depth technical diagnostics and repair.

Length: 2.0 days

Delivery Method: In-person

8. IP: Karcher MC130/ 150 Technical

Description: This intensive two-day, in-person training equips participants with the essential skills to effectively operate, maintain, and diagnose issues on the Kärcher MC 130, including its systems, engine, and diagnostic tools.

Length: 2.0 days

Delivery Method: In-person

9. IP: Karcher MC250 Technical

Description: This intensive two-day, in-person training equips participants with the essential skills to effectively operate, maintain, and diagnose issues on the Kärcher MC 250, including its systems, engine, and diagnostic tools.

Length: 2.0 days

Delivery Method: In-person

10. IP: Municipal Vehicle Introductory Technical Training

Description: This intensive 5 day, in-person training equips participants with the essential skills to effectively operate, maintain, and diagnose issues on the Kärcher Implement Carriers (Holder) and Sweepers,, including its systems, engine, and diagnostic tools.

Length: 5.0 days

Delivery Method: In-person

11. IP: Advanced Municipal Cleaner Technical Training

Description: This in-person training challenges experienced Karcher Technicians to effectively diagnose issues on the Kärcher Implement Carriers (Holder) and Sweepers. Can be tailored to specific models.

Length: 2.0 - 5.0 days*

Delivery Method: In-person

11. IP: Karcher Municipal Cleaner Sales Training

Description: This two day, in-person training covers the key features of the Municipal Cleaner lineup and equips participants with the essential skills to effectively operate and maintain each vehicle.

Length: 2.0 days

Delivery Method: In-person

12. IP: Holder Implement Carrier Sales Training

Description: This intensive two-day, in-person training equips participants with the essential skills to effectively operate, maintain and promote the key features of Karchers Implement carrier vehicles.

Length: 2.0 days

Delivery Method: In-person

13. IP: Legacy Holder Training

Description: This course is designed to be added onto any of the Holder specific courses, covering the C270 and C992.

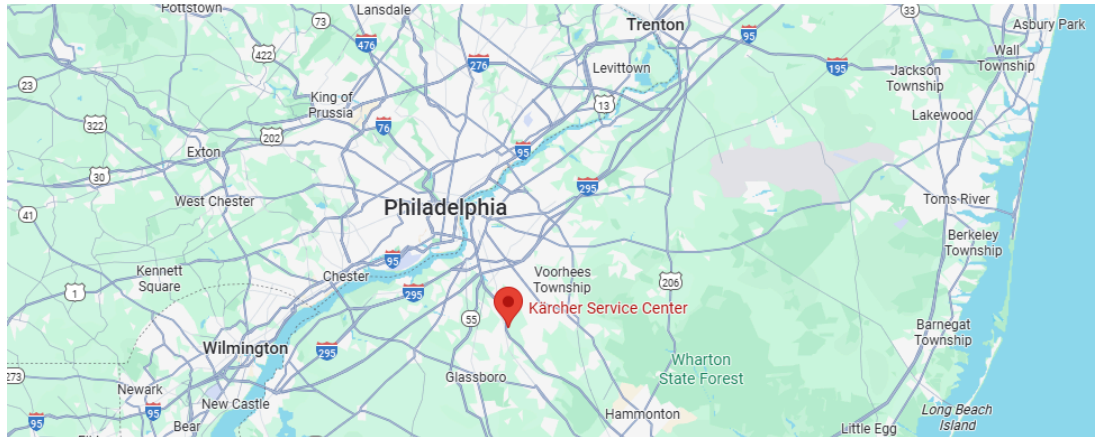
Length: 1.0 days

Delivery Method: In-person

Training Locations

1. KMC-US - Karcher North America

500 University Court, Blackwood NJ, USA



2. KMC-CA - Karcher Municipal North America

100 Bay Street, Embrun ON, Canada



3. Private Training

Onsite, at your location.

Requirements: Minimum of 4 participants, Demo vehicles onsite, and approval from your Regional Sales Manager.



Cost

Blackwood and Embrun Locations

- Training is provided at no cost to our stocking dealers
- Lunch is provided at no additional cost
- Participants are responsible for their own transportation and accommodations

On Site Private training

- Karcher offers private training which will be quoted upon request



How to Sign up

Course Selection: Review course requirements and prerequisites, then select one or more courses.

Choose Date: Check course availability in the training calendar or request a specific date.

Participant Information: Fill out all the information in the request form below and email to: techsupport-na@municipal.karcher.com

[illegible]



KMC Training Calendar Sorted by Course

All sessions are held in Embrun, ON unless otherwise specified or requested.

These dates are subject to change without notice, please refer to the most recent calendar or speak with your RSM.

OL: Bodas

- Monday, Oct 6, 2025 (9:00 AM)
- Monday, Dec 1, 2025 (9:00 AM)
- Monday, Jan 12, 2026 (9:00 AM)
- Monday, Feb 9, 2026 (11:00 AM)
- Monday, Mar 9, 2026 (9:00 AM)
- Monday, Apr 20, 2026 (11:00 AM)
- Monday, May 11, 2026 (9:00 AM)
- Monday, Jun 22, 2026 (11:00 AM)
- Monday, Jul 20, 2026 (9:00 AM)
- Tuesday, Aug 25, 2026 (11:00 AM)
- Tuesday, Sep 22, 2026 (9:00 AM)
- Monday, Oct 26, 2026 (11:00 AM)

OL: DISIS

- Monday, Sep 29, 2025 (9:00 AM)
- Monday, Nov 24, 2025 (9:00 AM)
- Monday, Dec 15, 2025 (9:00 AM)
- Monday, Jan 26, 2026 (9:00 AM)
- Monday, Feb 23, 2026 (11:00 AM)
- Monday, Apr 13, 2026 (9:00 AM)
- Monday, Apr 27, 2026 (11:00 AM)
- Monday, Jun 15, 2026 (9:00 AM)
- Monday, Jul 6, 2026 (11:00 AM)
- Monday, Aug 17, 2026 (9:00 AM)
- Tuesday, Sep 8, 2026 (11:00 AM)
- Monday, Oct 19, 2026 (9:00 AM)

OL: Karcher Diag

- Monday, Sep 29, 2025 (11:00 AM)
- Monday, Nov 24, 2025 (11:00 AM)
- Monday, Jan 5, 2026 (9:00 AM)
- Monday, Feb 9, 2026 (9:00 AM)

KÄRCHER

- Monday, Mar 2, 2026 (9:00 AM)
- Monday, Apr 20, 2026 (9:00 AM)
- Monday, May 4, 2026 (9:00 AM)
- Monday, Jun 22, 2026 (9:00 AM)
- Monday, Jul 13, 2026 (9:00 AM)
- Tuesday, Aug 25, 2026 (9:00 AM)
- Tuesday, Sep 15, 2026 (9:00 AM)
- Monday, Oct 26, 2026 (9:00 AM)

OL: Service Info Navigation

- Monday, Oct 27, 2025 (9:00 AM)
- Monday, Dec 1, 2025 (11:00 AM)
- Monday, Jan 12, 2026 (11:00 AM)
- Monday, Feb 23, 2026 (9:00 AM)
- Monday, Mar 9, 2026 (11:00 AM)
- Monday, Apr 27, 2026 (9:00 AM)
- Monday, May 11, 2026 (11:00 AM)
- Monday, Jul 6, 2026 (9:00 AM)
- Monday, Jul 20, 2026 (11:00 AM)
- Tuesday, Sep 8, 2026 (9:00 AM)
- Tuesday, Sep 22, 2026 (11:00 AM)

Chadwick Concord - Holder Training

- Tuesday, Nov 18, 2025 (9:00 AM) (3 days)

IP: Blackwood

- ~~Monday, Oct 6, 2025 (9:00 AM) (6 days) FULL~~
- Monday, Nov 3, 2025 (9:00 AM) (5 days)
- Monday, Dec 8, 2025 (9:00 AM) (5 days)
- Monday, Feb 2, 2026 (9:00 AM) (5 days)
- Monday, Mar 23, 2026 (9:00 AM) (5 days)
- Monday, Jun 8, 2026 (9:00 AM) (6 days)
- Monday, Aug 10, 2026 (9:00 AM) (6 days)
- Monday, Oct 5, 2026 (9:00 AM) (6 days)

IP: Sales Holder and Sweeper

- Tuesday, Oct 21, 2025 (9:00 AM) (4 days)

KÄRCHER

- Tuesday, Dec 16, 2025 (9:00 AM) (4 days)
- Tuesday, Jan 27, 2026 (9:00 AM) (4 days)
- Tuesday, Apr 14, 2026 (9:00 AM) (4 days)
- Tuesday, Jun 16, 2026 (9:00 AM) (4 days)
- Tuesday, Aug 18, 2026 (9:00 AM) (4 days)
- Tuesday, Oct 20, 2026 (9:00 AM) (4 days)

IP: Sales Sweepers

- Tuesday, Jan 13, 2026 (9:00 AM) (3 days)
- Tuesday, Mar 10, 2026 (9:00 AM) (3 days)
- Tuesday, May 12, 2026 (9:00 AM) (3 days)
- Tuesday, Jul 21, 2026 (9:00 AM) (3 days)
- Wednesday, Sep 23, 2026 (9:00 AM) (3 days)

IP: Service Holder

- Tuesday, Oct 28, 2025 (9:00 AM) (4 days)
- Tuesday, Jan 6, 2026 (9:00 AM) (4 days)
- Tuesday, Mar 3, 2026 (9:00 AM) (4 days)
- Tuesday, May 5, 2026 (9:00 AM) (4 days)
- Tuesday, Jul 14, 2026 (9:00 AM) (4 days)
- Wednesday, Sep 16, 2026 (9:00 AM) (4 days)

IP: Service Holder Level 2

- Tuesday, Dec 2, 2025 (9:00 AM) (3 days)
- Tuesday, Feb 10, 2026 (9:00 AM) (3 days)
- Tuesday, Apr 21, 2026 (9:00 AM) (3 days)
- Tuesday, Jun 23, 2026 (9:00 AM) (3 days)
- Wednesday, Aug 26, 2026 (9:00 AM) (3 days)
- Tuesday, Oct 27, 2026 (9:00 AM) (3 days)

IP: Service Sweeper Level 2

- Tuesday, Feb 24, 2026 (9:00 AM) (3 days)
- Tuesday, Apr 28, 2026 (9:00 AM) (3 days)
- Tuesday, Jul 7, 2026 (9:00 AM) (3 days)
- Wednesday, Sep 9, 2026 (9:00 AM) (3 days)



IP: Service Sweepers Level 1

- Monday, Jan 19, 2026 (9:00 AM) (5 days)
- Tuesday, Mar 17, 2026 (9:00 AM) (5 days)
- Monday, Jun 1, 2026 (9:00 AM) (5 days)
- Monday, Jul 27, 2026 (9:00 AM) (5 days)
- Monday, Sep 28, 2026 (9:00 AM) (5 days)

MCM600 Blackwood

- TBD



Training Course Calendar Sorted by Date

All In-Person courses are held in Embrun, unless specified otherwise.

These dates are subject to change without notice, please refer to the most recent calendar or speak with your RSM.

February 2026

- Monday, Feb 9th (9:00 AM) - OL: Karcher Diag
 - Monday, Feb 9th (11:00 AM) - OL: Bodas
 - Monday, Feb 23rd (9:00 AM) - OL: Service Info Navigation
 - Monday, Feb 23rd (11:00 AM) - OL: DISIS
 - Tuesday, Feb 10th (9:00 AM) - IP: Service Holder Level 2 (3 days) Embrun
 - Tuesday, Feb 17th (8:00am) - IP: MCM600 Sales (2 days) Blackwood
 - Wednesday, Feb 18th (8:00am) - IP: MCM600 Service (2.5 days) Blackwood
 - Tuesday, Feb 24th (9:00 AM) - IP: Service Sweeper Level 2 (3 days) Embrun
-

March 2026

- Monday, Mar 2nd (9:00 AM) - OL: Karcher Diag
 - Monday, Mar 9th (9:00 AM) - OL: Bodas
 - Monday, Mar 9th (11:00 AM) - OL: Service Info Navigation
 - Tuesday, Mar 3rd (9:00 AM) - IP: Service Holder (4 days) Embrun
 - Tuesday, Mar 10th (9:00 AM) - IP: Sales Sweepers (3 days) Embrun
 - Tuesday, Mar 17th (9:00 AM) - IP: Service Sweeper Level 1 (3 days) Embrun
 - Tuesday, Mar 24th (9:00 AM) - IP: Blackwood (4 days)
-

April 2026

- Monday, Apr 13th (9:00 AM) - OL: DISIS
 - Monday, Apr 20th (9:00 AM) - OL: Karcher Diag
 - Monday, Apr 20th (11:00 AM) - OL: Bodas
 - Monday, Apr 27th (9:00 AM) - OL: Service Info Navigation
 - Monday, Apr 27th (11:00 AM) - OL: DISIS
 - Tuesday, Apr 14th (9:00 AM) - IP: Sales Holder / Sweeper (4 days) Embrun
 - Tuesday, Apr 21st (9:00 AM) - IP: Service Holder Level 2 (3 days) Embrun
 - Tuesday, Apr 28th (9:00 AM) - IP: Service Sweeper Level 2 (3 days) Embrun
-

May 2026

- Monday, May 4th (9:00 AM) - OL: Karcher Diag
 - Monday, May 11th (9:00 AM) - OL: Bodas
 - Monday, May 11th (11:00 AM) - OL: Service Info Navigation
 - Tuesday, May 5th (9:00 AM) - IP: Service Holder (4 days) Embrun
 - Tuesday, May 12th (9:00 AM) - IP: Sales Sweepers (3 days) Embrun
-

June 2026

- Monday, Jun 15th (9:00 AM) - OL: DISIS
 - Monday, Jun 22nd (9:00 AM) - OL: Karcher Diag
 - Monday, Jun 22nd (11:00 AM) - OL: Bodas
 - Monday, Jun 1st (9:00 AM) - IP: Service Sweepers Level 1 (3 days) Embrun
 - Monday, Jun 8th (9:00 AM) - IP: Blackwood (4 days)
 - Tuesday, Jun 16th (9:00 AM) - IP: Sales Holder / Sweeper (3 days) Embrun
 - Tuesday, Jun 23rd (9:00 AM) - IP: Service Holder Level 2 (3 days) Embrun
-

July 2026

- Monday, Jul 6th (9:00 AM) - OL: Service Info Navigation
 - Monday, Jul 6th (11:00 AM) - OL: DISIS
 - Monday, Jul 13th (9:00 AM) - OL: Karcher Diag
 - Monday, Jul 20th (9:00 AM) - OL: Bodas
 - Monday, Jul 20th (11:00 AM) - OL: Service Info Navigation
 - Tuesday, Jul 7th (9:00 AM) - IP: Service Sweeper Level 2 (3 days) Embrun
 - Tuesday, Jul 14th (9:00 AM) - IP: Service Holder (4 days) Embrun
 - Tuesday, Jul 21st (9:00 AM) - IP: Sales Sweepers (3 days) Embrun
 - Monday, Jul 27th (9:00 AM) - IP: Service Sweepers Level 1 (4 days) Embrun
-

August 2026

- Monday, Aug 17th (9:00 AM) - OL: DISIS
 - Tuesday, Aug 25th (9:00 AM) - OL: Karcher Diag
 - Tuesday, Aug 25th (11:00 AM) - OL: Bodas
 - Monday, Aug 10th (9:00 AM) - IP: Blackwood (5 days)
 - Tuesday, Aug 18th (9:00 AM) - IP: Sales Holder / Sweeper (3 days) Embrun
 - Wednesday, Aug 26th (9:00 AM) - IP: Service Holder Lvl 2 (3 days) Embrun
-



September 2026

- Tuesday, Sep 8th (9:00 AM) - OL: Service Info Navigation
 - Tuesday, Sep 8th (11:00 AM) - OL: DISIS
 - Tuesday, Sep 15th (9:00 AM) - OL: Karcher Diag
 - Tuesday, Sep 22nd (9:00 AM) - OL: Bodas
 - Tuesday, Sep 22nd (11:00 AM) - OL: Service Info Navigation
 - Wednesday, Sep 9th (9:00 AM) - IP: Service Sweeper Lvl 2 (3 days) Embrun
 - Wednesday, Sep 16th (9:00 AM) - IP: Service Holder (3 days) Embrun
 - Wednesday, Sep 23rd (9:00 AM) - IP: Sales Sweepers (2 days) Embrun
 - Monday, Sep 28th (9:00 AM) - IP: Service Sweeper Level 1 (3 days) Embrun
-

October 2026

- Monday, Oct 19th (9:00 AM) - OL: DISIS
- Monday, Oct 26th (9:00 AM) - OL: Karcher Diag
- Monday, Oct 26th (11:00 AM) - OL: Bodas
- Monday, Oct 5th (9:00 AM) - IP: Blackwood (5 days)
- Tuesday, Oct 20th (9:00 AM) - IP: Sales Holder / Sweeper (3 days) Embrun
- Tuesday, Oct 27th (9:00 AM) - IP: Service Holder Level 2 (3 days) Embrun

OL: Kärcher DIAG

Karcher Municipal Software Training Course

Target Audience: Service Technicians, Maintenance Personnel, and anyone involved in diagnosing and servicing Kärcher Municipal vehicles using the Kärcher DIAG Municipal software.

Course Goal: To provide a comprehensive understanding of the Kärcher DIAG Municipal software, enabling participants to perform vehicle diagnostics, software updates, parameter changes, maintenance resets, and troubleshooting effectively.

Delivery Method: Google Meets - Live Demo

Length: 1.5 Hours

Requirements: Extranet Access



OL: Bodas Diag

Bodas Service and Diagnosis Training Course

Target Audience: Service Technicians, Maintenance Personnel, Product Optimization Specialists working with Kärcher vehicles equipped with Bodas control units.

Course Goal: To equip participants with the basic knowledge and skills to effectively use the Bodas Service software for vehicle diagnosis, parameter management, software updates, and error troubleshooting.

Delivery Method: Google Meets - Live Demo

Length: 1.5 Hours

Requirements: Extranet Access



BODAS SOFTWARE

Standard application software for machine functions based on BODAS Hardware. Perfect hydraulics, BODAS Software enables ideal machine control. Including the tools for program diagnosis of BODAS Hardware.

OL: DISIS

Navigating and Utilizing the Kärcher Municipal Extranet

Target Audience: New Kärcher Municipal distributors and Service technicians who need to access sales, marketing, service documents, and the spare parts online catalogue.

Course Goal: To equip users with the knowledge and skills to efficiently navigate the Kärcher Municipal Extranet, look up parts, and download essential manuals and documents.

Delivery Method: Google Meets - Live demo

Length: 1.0 Hours

Requirements: Extranet Access

SPARE PARTS

SPARE PART SUGGESTION

SHOPPING

10 General components carrier MC250

Suction sweep machine > MC 250 Carrier > General components carrier MC250

2D

1.442-231.2)

-261.2)

ents carrier MC250

up frame MC200

up cabin MC200

up electric MC200

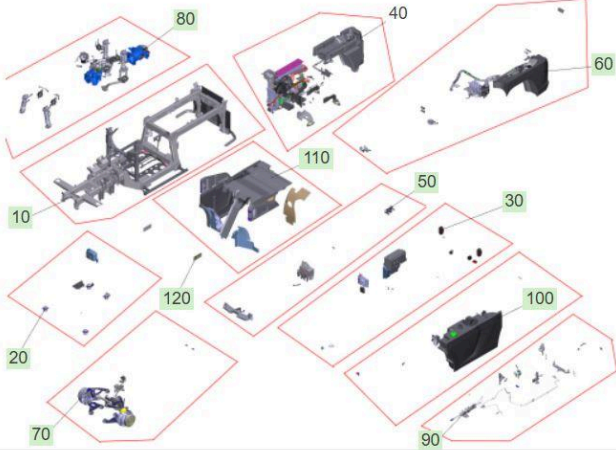
up hydraulic control MC250

up work hydraulic MC250

up steering MC200

up transmission MC200

up brake system MC200



	POS ^	Article no.	Description	Quan
	10		Assembly group frame MC200	
	20		Assembly group cabin MC200	
	30		Assembly group electric MC200	

13 Element(s)

IP: Holder C70 Technical

Comprehensive Training: Operation, Maintenance, and Technical Service for the Holder C70 Municipal Vehicle

Target Audience: This comprehensive in-person training is designed for both new and experienced Holder C70 service technicians and maintenance personnel seeking to enhance their understanding of the vehicle's operation, routine maintenance, and in-depth technical diagnostics and repair.

Course Overview: This intensive training program offers a holistic understanding of the Holder C70 Municipal Vehicle. Through a blend of interactive classroom instruction and practical, hands-on sessions, participants will gain essential skills to safely and efficiently operate, maintain, and diagnose issues on the C70. The course will cover the vehicle's core systems, including its powertrain, hydraulics, electrical components, and advanced diagnostic tools.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, Competency in vehicle electrical diagnostics, Laptop with Bodas diagnostic software installed, PPE.



IP: Holder C70 Technical

Key Learning Objectives:

For Operators:

- **Master Primary Controls:** Gain proficiency in all primary operator controls, including the joystick, pedals, parking brake, master hydraulic switch, program switch, hand throttle, and thumb dial.
- **Safe Starting & Driving:** Learn proper pre-operation safety checks, starting procedures, and how to effectively use various driving programs like PowerDrive and SDS for different applications, while prioritizing safety protocols like seatbelt use and appropriate RPM management.
- **Working Hydraulics & Attachments:** Understand and control hydraulic functions for attachments such as the Fiedler sweeper, broadcast spreader, and folding V-plow, including hydraulic circuit color coding and specific hose connections.
- **Exhaust Regeneration:** Learn the conditions and steps required to perform a standstill regeneration of the diesel particulate filter (DPF).

For Service Technicians (and Advanced Operators):

- **System Fundamentals:** Acquire in-depth knowledge of the C70's basic components, including the frame, articulation bearing, suspension, powertrain, and PTO gearbox.
- **Engine & Fuel Systems:** Explore the Kubota engine components (e.g., fuel filters, air filter, various sensors like fuel temperature, coolant temperature, and air mass meter), along with the alternator and engine oil filter.
- **Hydraulic Systems:** Understand the driving hydraulics, including the drive pump pressure ports, high-pressure and low-pressure systems, wheel motors, differential locking system, and the PowerDrive characteristics, schematics, and mounting procedures. Also, delve into the working hydraulic system, covering oil circulation, steering, valve blocks, front lift, hydraulic stabilizer, hydraulic tank, and relay layouts.
- **Brake Systems:** Learn about the 4-wheel service brakes, parking brake, and specific adjustment instructions.
- **Electrical & Diagnostics:** Interpret electrical circuit diagrams and gain hands-on experience with diagnostic tools, including connection procedures, use of the Bodas Software for reading error messages, viewing process data, and adjusting parameters, requiring knowledge of specific cables and license keys.

Course Format: This in-person training will combine engaging presentations with practical, hands-on "Touch & Feel" sessions involving actual C70 components and systems. Participants will have opportunities for direct interaction, demonstrations, and question-and-answer sessions to solidify their learning.

IP: Lv2 Holder C70 Technical

Level 2 Comprehensive Training: Diagnosing Holder C70 Municipal Vehicle

Target Audience: Experienced Holder C70 service technicians seeking to learn the latest diagnostic information and hone their diagnostic skills.

Course Overview: This intensive training program offers a deeper look into the C70 operating systems. Through a blend of interactive classroom instruction and practical, hands-on sessions, participants will gain essential skills to safely and efficiently diagnose issues on the C70. The course will cover the vehicle's diagnostics of its powertrain, hydraulics, electrical components, and advanced diagnostic tools.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: IP:Holder C70 Technical course, Extranet Access, Competency in vehicle electrical diagnostics, Laptop with diagnostic software installed, PPE.



IP: Holder S-Series Technical

Holder S75/S100: Comprehensive Operation, Advanced Maintenance, and Technical Diagnostics

Target Audience: This intensive in-person training is designed for both new and experienced Holder S75 operators, as well as service technicians and maintenance personnel seeking to gain a deep understanding of the vehicle's safe operation, routine maintenance procedures, and in-depth technical troubleshooting.

Course Overview: This comprehensive program provides a thorough understanding of the Holder S75 Municipal Vehicle. Through a combination of interactive classroom sessions and practical, hands-on exercises, participants will learn to operate the S75 efficiently and safely, perform essential maintenance tasks, and diagnose complex technical issues. The curriculum covers everything from basic controls and driving dynamics to detailed analyses of the powertrain, hydraulic, electrical, and braking systems, including the use of advanced diagnostic software.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, Competency in vehicle electrical diagnostics, Laptop with Bodas diagnostic software installed, PPE.



IP: Holder S-Series Technical

Key Learning Objectives:

For Operators:

- **Controls Mastery:** Become proficient with all operator controls, including the joystick, keypad, hand throttle, pedals, switches, and dash cluster display functions.
- **Operational Procedures:** Learn proper starting, driving, and parking procedures, including the use of drive programs (Road, SDS) and the inch pedal for precise speed control.
- **Attachment Handling:** Understand how to safely couple, connect hydraulic lines, and operate various attachments, including engaging/disengaging PTO and High Flow systems.
- **Daily Checks & Safety:** Perform comprehensive daily inspections (fluid levels, tires, lights, steering, attachments) and adhere to critical safety guidelines.
- **Regeneration:** Understand and execute DPF exhaust regeneration procedures.

For Service Technicians (and Advanced Operators):

- **Vehicle Systems Deep Dive:** Gain in-depth knowledge of the S75's frame, center articulation, suspension, and powertrain components, including detailed schematics and operational principles.
- **Engine & Fuel Management:** Understand the Deutz TCD 3,6 diesel engine, its specific differences from the S100, fuel system (electrical pump, priming), pre-glow system, and exhaust aftertreatment (DOC/DPF, regeneration logic).
- **Hydraulic & Electrical Diagnostics:** Explore the drive and working hydraulic systems in detail, including low pressure hydraulics, Dual/Hydro Drive logic, measuring ports, and filter systems. Understand the electrical system from schematics, fuses, relays, and controller locations.
- **Diagnostic Tool Proficiency (BODAS/Serdia):** Learn to connect and utilize the BODAS and Serdia diagnostic software for the S75 and its components (engine, drive, working hydraulics), including reading error codes, accessing process data, and performing calibrations and software updates.
- **Maintenance Procedures:** Review detailed maintenance plans for hydraulic oil filters and transmission oil (refill/drain procedures, fluid types, capacities).
- **Component-Specific Details:** Understand the S75's specific features and differences compared to other Holder models (S100, S990) regarding components like sensors, throttle valve, diagnostic connectors, and hydraulic filters.

Course Format: This course will be delivered in-person and will feature:

- Interactive classroom presentations with detailed diagrams and technical explanations.
- Extensive hands-on practice with the Holder S75 vehicle, covering operational procedures, component identification, maintenance tasks, and diagnostic tool usage.
- Practical troubleshooting exercises and real-world scenarios.
- Dedicated Q&A sessions for in-depth discussion and problem-solving.

IP: Lv2 Holder S-Series Technical

Level 2 Comprehensive Training: Diagnosing Holder S-Series Municipal Vehicles

Target Audience: Experienced Holder S-Series service technicians seeking to learn the latest diagnostic information and hone their diagnostic skills.

Course Overview: This intensive training program offers a deeper look into the S75 and S100 operating systems. Through a blend of interactive classroom instruction and practical, hands-on sessions, participants will gain essential skills to safely and efficiently diagnose issues on the S75. The course will cover the vehicle's diagnostics of its powertrain, hydraulics, electrical components, and advanced diagnostic tools.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: IP:Holder S-Series Technical course, Extranet Access, Competency in vehicle electrical diagnostics, Laptop with Bodas diagnostic software installed, PPE.



IP: Kärcher MC130 / MC150 Technical

Kärcher MC 130 Municipal Cleaner: In-Depth Service, Operation, and Diagnostics

Target Audience: Service technicians, operators, and maintenance personnel responsible for the Kärcher MC 130 Municipal Cleaner.

Course Overview: This intensive two-day in-person training will equip participants with the essential skills to effectively operate, maintain, and diagnose issues on the Kärcher MC 130. Through a combination of theoretical presentations, hands-on "Touch & Feel" workshops, and practical troubleshooting exercises, attendees will gain a deep understanding of the machine's systems, including hydraulics, electrical components, engine (with a focus on Stage V/DPF systems), and sweeping mechanisms. The course will also cover the use of the Kärcher DIAG Municipal tool for advanced diagnostics and software management.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, Competency in vehicle electrical diagnostics, Laptop with Kärcher Diag installed.



IP: Kärcher MC130 / MC150 Technical

Key Learning Objectives:

- **Product Overview:** Understand the key features, specifications, and applications of the Kärcher MC 130, differentiating between MC and MIC models.
- **Basic Operation:** Learn how to drive the MC 130, including FNR switch usage, transport and work modes, articulated steering, and safe curb climbing techniques.
- **Sweeping System Mastery:** Gain proficiency in operating and maintaining the sweeping system, including adjusting brush settings, utilizing fresh and recycling water systems, and performing cleaning procedures.
- **Maintenance & Service:** Understand the comprehensive maintenance plan, including 50-hour, 250-hour, and extended service intervals, and learn to perform key maintenance tasks.
- **"Touch & Feel" Workshops:** Participate in hands-on sessions to familiarize with machine components, answer practical questions, and apply theoretical knowledge.
- **Hydraulic System:** Explore the hydraulic system, including the hydraulic body control system, and engage in workshops to understand pump output, bypass valves, and traction control (HYCOP).
- **Electrical System:** Learn to interpret wiring diagrams and troubleshoot electrical issues using practical exercises.
- **Diagnostic & Troubleshooting:** Develop skills in reading and clearing fault codes, understanding error code structures, and utilizing the Kärcher DIAG Municipal tool for advanced diagnostics, software updates, and parameter adjustments.
- **Practical Troubleshooting Workshops:** Apply diagnostic skills to real-world scenarios, identifying components related to fault codes and determining next steps for problem resolution.
- **Extranet Navigation:** Learn to access and utilize the Kärcher Municipal Extranet for documentation and support.

IP: Karcher MC130 / MC150 Technical

Course Structure:

Day 1:

- Welcome and Introduction
- Product Overview: MC 130 vs. MIC, features, versions
- Basic Operation: Driving, steering, modes, safety features
- Maintenance: Plan, 50h/250h service, additional work
- "Touch & Feel" Workshop (Part I & II): Hands-on component identification and basic tasks
- Sweeping System & Waste Container: Operation, removal, adjustment, cleaning
- Frame: Layout, Hydraulic Body Control System
- Engine STAGE V / DPF: Specifications, maintenance, DPF system explanation
- Municipal Extranet
- Questions & Answers

Day 2:

- Questions & Answers
- Workshop Hydraulic System (Part I & II): Diagrams, calculations, troubleshooting
- Workshop Electrical System: Wiring diagrams, troubleshooting hints
- Diagnostic & Troubleshooting: Error code structure, ECU self-test, fault code reading/clearing
- Kärcher DIAG Municipal: Connecting, reading/clearing codes, software/parameter management
- Workshop Diagnostic & Troubleshooting: Practical problem-solving scenarios
- Hot Topics & Service Bulletins
- Summary Service Training

Duration: 2 Full Days

Requirements: No prior experience with the Kärcher MC 130 is strictly required, but a basic understanding of heavy equipment mechanics or electrical systems is beneficial. Participants are encouraged to bring their questions and real-world scenarios for discussion.

IP: Kärcher MC250 Technical

Kärcher MC 250 Municipal Cleaner: In-Depth Service, Operation, and Diagnostics

Target Audience: Service technicians, operators, and maintenance personnel responsible for the Kärcher MC 250 Municipal Cleaner.

Course Overview: This intensive two-day in-person training will equip participants with the essential skills to effectively operate, maintain, and diagnose issues on the Kärcher MC 250. Through a combination of theoretical presentations, hands-on "Touch & Feel" workshops, and practical troubleshooting exercises, attendees will gain a deep understanding of the machine's systems, including hydraulics, electrical components, VM engine overview, and sweeping mechanisms. The course will also cover the use of the Kärcher DIAG Municipal tool for advanced diagnostics and software management.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, Competency in vehicle electrical diagnostics



IP: Kärcher MC250 Technical

Key Learning Objectives:

- **Product Overview:** Understand the key features, specifications, and applications of the Kärcher MC 130, differentiating between MC and MIC models.
- **Basic Operation:** Learn how to drive the MC 130, including FNR switch usage, transport and work modes, articulated steering, and safe curb climbing techniques.
- **Sweeping System Mastery:** Gain proficiency in operating and maintaining the sweeping system, including adjusting brush settings, utilizing fresh and recycling water systems, and performing cleaning procedures.
- **Maintenance & Service:** Understand the comprehensive maintenance plan, including 50-hour, 250-hour, and extended service intervals, and learn to perform key maintenance tasks.
- **"Touch & Feel" Workshops:** Participate in hands-on sessions to familiarize with machine components, answer practical questions, and apply theoretical knowledge.
- **Hydraulic System:** Explore the hydraulic system, including the hydraulic body control system, and engage in workshops to understand pump output, bypass valves, and traction control (HYCOP).
- **Electrical System:** Learn to interpret wiring diagrams (for both pre-2021 and 2021+ versions) and troubleshoot electrical issues using practical exercises.
- **Diagnostic & Troubleshooting:** Develop skills in reading and clearing fault codes, understanding error code structures, and utilizing the Kärcher DIAG Municipal tool for advanced diagnostics, software updates, and parameter adjustments.
- **Practical Troubleshooting Workshops:** Apply diagnostic skills to real-world scenarios, identifying components related to fault codes and determining next steps for problem resolution.
- **Extranet Navigation:** Learn to access and utilize the Kärcher Municipal Extranet for documentation and support.

IP: Karcher MC250 Technical

Course Structure:

Day 1:

- Welcome and Introduction
- Product Overview: MC 130 vs. MIC, features, versions
- Basic Operation: Driving, steering, modes, safety features
- Maintenance: Plan, 50h/250h service, additional work
- "Touch & Feel" Workshop (Part I & II): Hands-on component identification and basic tasks
- Sweeping System & Waste Container: Operation, removal, adjustment, cleaning
- Frame: Layout, Hydraulic Body Control System
- Engine STAGE V / DPF: Specifications, maintenance, DPF system explanation
- Municipal Extranet
- Questions & Answers

Day 2:

- Questions & Answers
- Workshop Hydraulic System (Part I & II): Diagrams, calculations, troubleshooting
- Workshop Electrical System: Wiring diagrams, troubleshooting hints
- Diagnostic & Troubleshooting: Error code structure, ECU self-test, fault code reading/clearing
- Kärcher DIAG Municipal: Connecting, reading/clearing codes, software/parameter management
- Workshop Diagnostic & Troubleshooting: Practical problem-solving scenarios
- Hot Topics & Service Bulletins
- Summary Service Training

Duration: 2 Full Days

Requirements: No prior experience with the Kärcher MC 130 is strictly required, but a basic understanding of heavy equipment mechanics or electrical systems is beneficial. Participants are encouraged to bring their questions and real-world scenarios for discussion.



IP: Municipal Vehicle Introductory Service Training

Kärcher Municipal Vehicles: Intro to Service, Operation, and Diagnostics

Target Audience: Participants are expected to have prior mechanical and electrical repair experience. The course is designed for a minimum of 4 and a maximum of 8 participants.

Course Description: This course provides an overview of Kärcher Municipal Sweeper and Holder Implement Carriers. It includes instruction on basic operation, maintenance, and diagnostic procedures. Participants will also learn how to navigate Kärcher's online information systems (Extranet and DISIS) for service and parts information. Key topics covered include general maintenance, suction system description and troubleshooting, diagnostics for Kärcher and Holder machines, using Kärcher DIAG and Bosch Rexroth Bodas, reading fault codes, and interpreting wiring diagrams. The training is scheduled over five days, with specific Kärcher and Holder models covered each day.

Delivery Method: In Person, Classroom and Hands On

Length: 4 Days

Requirements: Extranet Access, Competency in vehicle electrical diagnostics, Laptop with Diagnostic software installed, PPE

example

Schedule		
<i>Monday</i>	<i>12:00pm - 4:30pm</i>	<i>Introduction and Holder C-Series</i>
<i>Tuesday</i>	<i>8:00am - 4:30pm</i>	<i>Holder C / S-Series</i>
<i>Wednesday</i>	<i>8:00am - 4:30pm</i>	<i>MC80 and MC130</i>
<i>Thursday</i>	<i>8:00am - 4:30pm</i>	<i>MC250</i>
<i>Friday</i>	<i>8:00am - 12:00pm</i>	<i>MCM600</i>



IP: Kärcher Municipal Cleaner Sales Training

Kärcher Municipal Cleaner: Operation, Maintenance and Key Features

Target Audience: Sales persons

Course Overview: This intensive two-day in-person training will equip participants with the essential skills to effectively operate, maintain, and diagnose common, operator level issues on the Municipal Cleaner lineup. Through a combination of theoretical presentations, hands-on "Touch & Feel" workshops, and practical troubleshooting exercises, attendees will gain a basic understanding of the machine's different systems.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, PPE



IP: Holder Implement Carrier Sales Training

Kärcher Holder Implement Carrier: Operation, Maintenance and Key Features

Target Audience: Sales persons

Course Overview: This intensive two-day in-person training will equip participants with the essential skills to effectively operate, maintain, and diagnose common, operator level issues on the Implement carrier lineup. Through a combination of theoretical presentations, hands-on "Touch & Feel" workshops, and practical troubleshooting exercises, attendees will gain a basic understanding of the machine's different systems.

Delivery Method: In Person, Classroom and Hands On

Length: 2 Days

Requirements: Extranet Access, PPE



IP: Legacy Holder Technical

Kärcher Holder Implement Carrier: Operation, Maintenance and Key Features

Target Audience: Service Technicians

Course Overview: This one-day in-person training is an add on course which can be combined with any other Holder Implement Carrier course. It is designed to show the differences between the new and old models, and equip participants with the essential skills to effectively operate, maintain, and diagnose issues on the Holder C270 and C992.

Delivery Method: In Person, Classroom and Hands On

Length: 1 Days

Requirements: Extranet Access, PPE, Holder C270 and/or C992*

*required if training is at a dealer or customer location



KÄRCHER

MAKE A DIFFERENCE
THANK YOU