



CARE CATALOGUE

GMK MAINTENANCE PARTS, TOOLS & INFORMATION

11/2020

EXTEND THE LIFE OF YOUR CRANE

Dear Customer,

We would like to thank you for the purchase of our crane.

We really appreciate your business and look forward to the opportunity to serve you in the future.

At Manitowoc it is our mission, to help you keep your crane in optimal condition, to ensure performance and maximise your return on investment.

To assist you, we have summarized our maintenance items, tools, repair options and information in this handy guide, to be there when you need it, all at very competitive pricing!

For further assistance contact us or your trusted Manitowoc Service Partner.



To download latest version of this brochure please follow this link or scan QR code.



https://www.manitowoccranes.com/en/Parts_Services/Parts/PartsMobile

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Your contact is:



MAINTENANCE KITS

Simple to order, cost-effective and easily available: GMK Maintenance kits help keep your all-terrain crane making money for you.

SCAN TO LEARN MORE:



https://www.manitowoccranes.com/en/Parts_Services/Parts/PartsMobile

FIND YOUR LOCAL DEALER AT:
WWW.MANITOWOC.COM

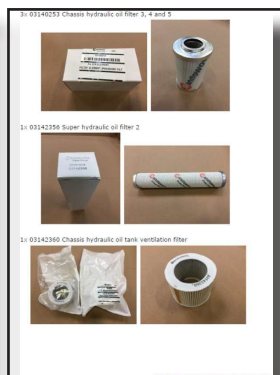
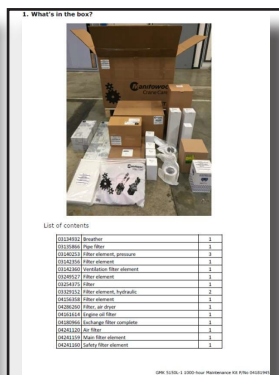
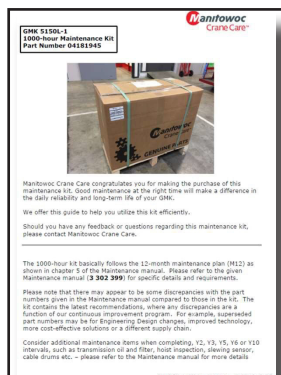
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Now with User Guides

For many of the maintenance kits, with details of the kit contents, where the filters and seals are used, and additional items that we offer to fulfill the planned maintenance.

You can download these guides from our website under:

[www.manitowoccranes.com/Parts/ Mobile Cranes Parts](http://www.manitowoccranes.com/Parts/MobileCranesParts)



Pricing advantage

Benefit from substantial savings by buying kits instead of individual parts.

Crane Reliability

Regular preventive maintenance ensures good reliability.

Please note: The maintenance kits do not contain any fluids or greases. These are available for ordering separately. Details are given in the user guides.

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MAINTENANCE KITS

Description	Part Number
GMK 2035E 1000 hrs	03065750
GMK 3050 TO S/N 8340 1000 hrs	03065743
GMK 3050 TO S/N 8903 1000 hrs	03065744
GMK 3055 / 3060 T3b M-B Engine 1000 hrs	03065749
GMK 3060 C T4F Cummins Engine 1000 hrs	04241475
GMK 4100 T3b Chassis M-B Engine, T3a Superstructure M-B Engine 1000 hrs	03065742
GMK 4100 T3b Chassis M-B Engine, T3a Superstructure M-B Engine 2000 hrs	03065741
GMK 5095 1000 hrs	03144113
GMK 5095 2000 hrs	03144114
GMK 5130-1 1000 hrs	04241196
GMK 5110-1 / 5130-2 T3b Chassis M-B Engine, T3a Superstructure M-B Engine 1000 hrs	03144315
GMK 5110-1 / 5130-2 T3b Chassis M-B Engine, T3a Superstructure M-B Engine 2000 hrs	03144316
GMK 5130-2 from 75.. 1000 hrs	04182405
GMK 5170 / 5220 1000 hrs	03065745
GMK 5170 / 5220 2000 hrs	03065746
GMK 5220 C T3a Cummins Engine 1000 hrs	03065747
GMK 5220 C T3a Cummins Engine 2000 hrs	03065748
GMK 6300L 1000 hrs	04163128
GMK 7450 T3a M-B Engines 1000 hrs	04163129



MAINTENANCE KITS

Description	Part Number
GMK 3060L T3 Cummins Engine 1000 hrs	04299741
GMK 3060L E5 Cummins Engine 1000 hrs	04299742
GMK 4080-2 / GMK 4090 / GMK4100L-1 E5 M-B Engine 1000 hrs	04181392
GMK 5150-1 / GMK 5150L-1 E5 M-B Engine 1000 hrs	04181945
GMK 5180-1, GMK 5200-1, GMK5250L-1, GMK 5250XL-1 E5 M-B Engine 1000 hrs	04165132
GMK 6300L-1 E5 M-B Engine 1000 hrs	04182012
GMK 6400 T4i M-B Engine 1000 hrs	04182195
GMK 7450 T4F Cummins Engine 1000 hrs	04299638
Hatz Diesel Engine 1000 hrs	03319873

*(Kits highlighted in red have user guides available)

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HIGH DENSITY BOOM GREASE

Manitowoc Crane Care is proud to offer this perfectly suited, high density boom lubricant that has exceptional performance, is long lasting, weather resistant and with tested reliability.

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https://www.manitowoccranes.com/en/Parts_Services/Parts/PartsMobile

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HIGH DENSITY BOOM GREASE

Smooth boom operation on a telescopic crane is a fundamental requirement to all lifting duties.

Owing to the construction of modern pinned booms, with relatively thin steel sections and large wear pads, this has never been more important.

An appropriate lubricant with special properties is required.

Manitowoc Crane Care is proud to offer this perfectly suited, **high-density** lubricant that has exceptional performance, is **long-lasting** and **weather-resistant** with **tested reliability**.

The only boom grease product specified and approved by GMK Engineering Design, and packaged specifically for Manitowoc.

Apply as required or routinely during preventive maintenance procedures.



The following sizes are available:

Part Number

02314184

03329071

01373458

02314698

Size

400gr. Cartridge

400gr. Cartridge (for spray gun)

10kg Bucket

25kg Bucket

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OTHER ESSENTIAL LUBRICANTS

Adhesive Suspension Oil

Penetrates the tight tolerances of the moving parts inside the suspension cylinder, guaranteeing lubrication of all bearing surfaces. There are no equivalent or suitable alternative oils or greases for this application.

Part Number: 02310863 1L
02312890 10L



Usage: MegaTRAK Suspension

Bolt Grease 2.0

The next generation of high-graphite universal grease, which performs in a much wider temperature range.

This highly recommended alrounder can be utilized for a variety of tasks like:

- The boom foot pin and lift cylinder pins
- The steering elements of the MegaTrak suspension strut
- Cardan shafts
- The central lubrication system
-

Part Number: 03313195 400g
04163374 1kg



Usage: Boom and Telescope Cylinder pinning bolts

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OTHER ESSENTIAL LUBRICANTS

Penetrant Grease Spray

Applied to the exposed chrome surfaces it fills the plating microstructure through to the underlying steel, giving effective protection against corrosion that other greases and lubricants do not.

Part Number: 01929824 400ml



Usage: Cylinder Rod Protection

Gear Tooth Spray

A high-graphite adhesive grease recommended for lubricating the external teeth of the GMK turntable bearing.

Part Number: S-01032-63 400ml



Usage: Turntable Bearing Gear Teeth

Please also see our website or discuss your requirements with your Manitowoc Crane Care parts contact.

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MAINTENANCE TOOLS

These tools are designed to apply grease efficiently. Powered by compressed air to ensure a homogenous mixture of grease with air.

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MAINTENANCE TOOLS

The right tools can make all the difference and help to make regular maintenance quick and trouble-free.

Boom Lubrication Kit

Part Number 04158888 is designed to provide easy access to inaccessible places for tasks like lubrication inside the boom through the pinning holes.

Consisting of:

Part Number

04159862	Spray Lance
03325445	Boom lubrication pump
02314698	25kg High density boom grease



Part Number

03329027	Hand Spray Gun
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for smooth grease application

Don't let not having the right equipment be the hurdle to regular maintenance!

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USEFUL KITS & TOOLS

Check out our website for more information. We have many different service kits and solutions to assist you.

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USEFUL KITS & TOOLS

Implementing a maintenance strategy can go a long way towards improving reliability by taking the preventive and proactive, instead of the reactive, approach.

Our competitively priced repair solutions, tools and assist devices, for different applications within your maintenance regime, are here to make this as easy and convenient as possible.

You can find more information in the bulletins we have created on each topic on our website.

Subject	Bulletin	Part Number	Description
Wishbone Repair	SB D15-309	04163676	Wishbone Repair Kit
Suspension Mounting Tools	PB D19-308	04257034	Mounting Tool MegaTRAK Strut
		04257055	Mounting Tool Wheel Drive
GMK Sheave Inspection	PB D20-307	04286259	Measuring Tool for Sheave Groove
Oil Analysis		03141012	Oil Analysis Kit
GMK3050-1 Boom Retraction Cable Inspection	PB D20-309	04182194	Boom Retraction Cable Kit
Battery Maintenance	PD D20-310	04326178	Battery Charger with Adaptor Plug
GMK Cardan Shafts	PB D20-308		Recommended Cardan Shaft Care
CCS Jog Dial	PB D20-305	03312583	Repair Kit
Accumulator Charging	PB D20-311	02257617	Accumulator Charging Kit

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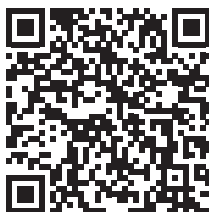




TRAINING

- > High Quality Training, adapted to your needs
- > Training available in several languages
- > Strategic locations around the world

SCAN TO LEARN MORE:



https://www.manitowoccranes.com/en/Parts_Services/Training/TechnicalLearningCenter

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TRAINING

Manitowoc Training Centers offer courses for operators and technicians across the globe to provide in depth instruction on crane operation, maintenance and troubleshooting procedures.



Manitowoc Crane Care trainers provide instruction to thousands of crane technicians and operators each year in our training centers located throughout the world.

Each facility includes interactive training tools, fully furnished classrooms, crane operation simulators, test cranes and lab workstations with equipment appropriate for the specific cranes and curriculum levels. The length of the courses ranges from two days to seven weeks, and over 50 options are offered. We can also arrange Training formulated to your specific requirements at your location.



Web-based courses are also available to build fundamental knowledge and assess new employee knowledge prior to participating in hands-on learning at one of our training centers. All current training schedules can be downloaded from our website.

You can also reach us here:

TrainingGMK@manitowoc.com

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WWW.MANITOWOC.COM

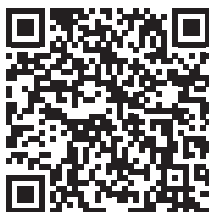




DIAGNOSTIC TOOLS

- > Expert tools for diagnostics and programming
- > Complete listing on our website

SCAN TO LEARN MORE:



https://www.manitowoccranes.com/en/Parts_Services/Training/TechnicalLearningCenter

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DIAGNOSTIC TOOLS

Over the years, there have been different versions of crane operating systems, rated capacity limiters and engine / transmission combinations on GMK cranes. These all require some variation of cables and tools to perform the necessary interaction.

To help you identify all these old and new GMK diagnostic cables and tools that are required for trouble-shooting and programming of GMK cranes we have compiled an overview for your easy reference available for download from our website.

Please note that some of these tools are only available after taking the prerequisite training.

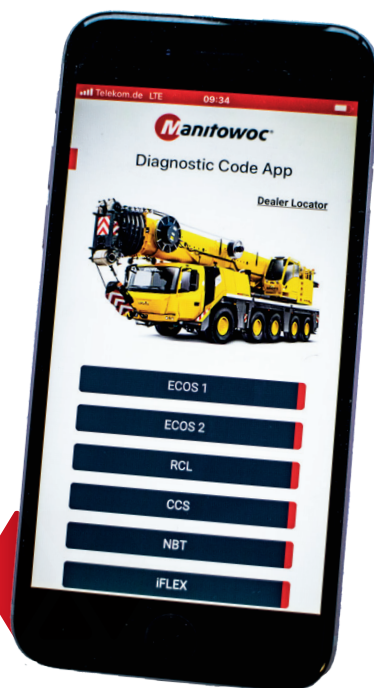
For a complete listing of all available diagnostic tools please reference bulletin D19-007.



For further details contact our Manitowoc Crane Care Service or Training Department.

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DIAGNOSTIC APP

Download Manitowoc's FREE smartphone app for iOS and Android devices to help interpret the diagnostic codes generated by a crane's operating system.

- > Application supports diagnostic codes on all Manitowoc- and Grove-branded cranes running Manitowoc's Crane Control System (CCS) and GMK models running the ECOS1 or ECOS2 systems
- > Quick assistance in troubleshooting
- > Available from the App Store (Apple) and Google Play (Android)

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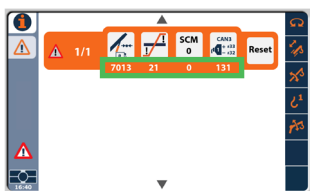


DIAGNOSTIC APP

The process is easy: Once the error code displayed by the crane is entered in the Diagnostic Code App, an explanation of the issue is displayed to assist in immediate troubleshooting.

ERROR SCENARIO

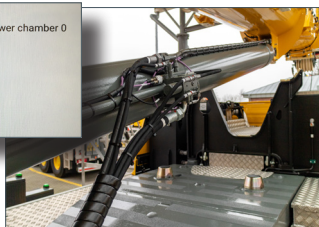
Crane: GMK 4100L-1
System: CCS
Error code: 7013 21 0 131



EXPLANATION

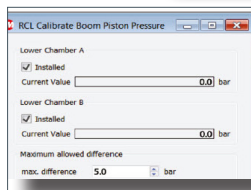
App Display

Component: Pressure sensor lower chamber 0
Condition: Out of tolerance
Device: SCMO
Index: CAN bus 3
Wire:



Lift Cylinder

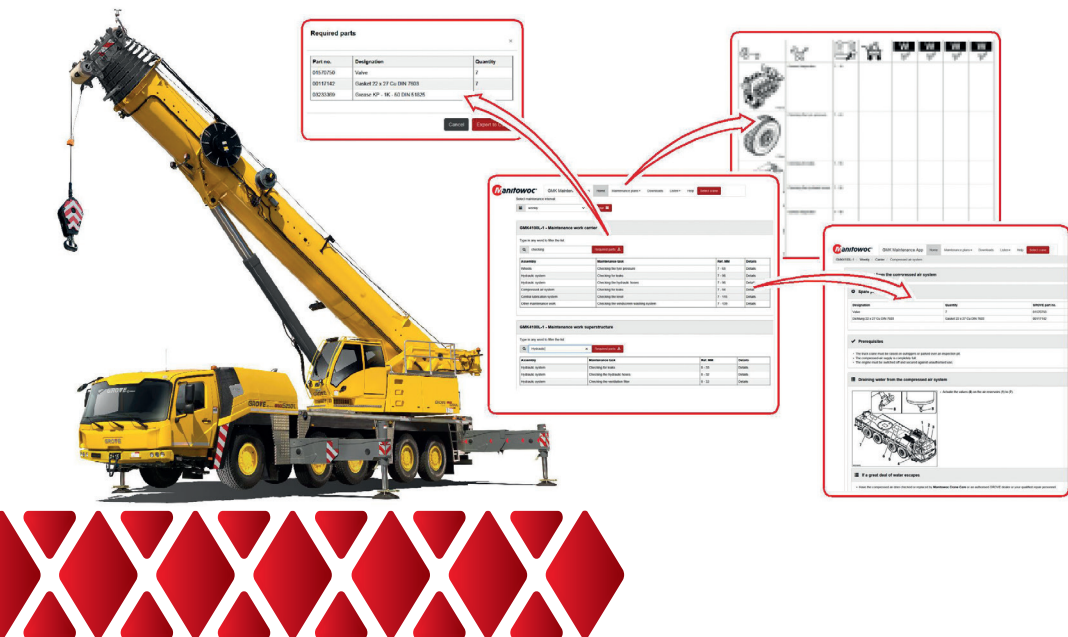
CCS Software
Calibration



Replacement
Transducer
04162501

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GMK MAINTENANCE APP

Create your individual maintenance plan online with our free app and even set reminders for your next maintenance intervals in your calendar.

SCAN TO LEARN MORE:



<https://eu100.manitowoc.com/GMKMaintenance/>

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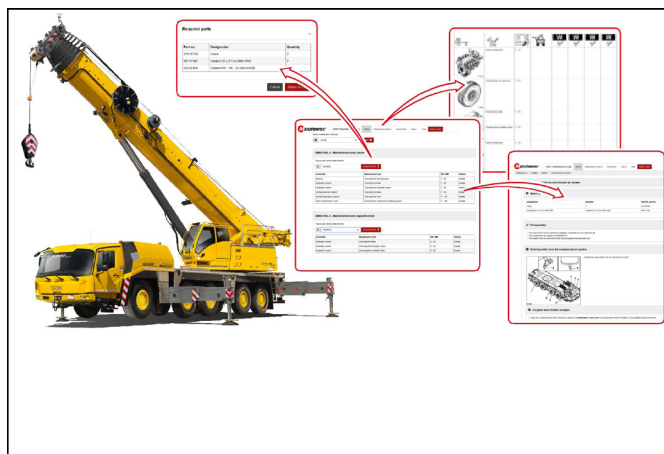
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GMK MAINTENANCE APP

Freely accessible direct access for current production models. Individual maintenance plans by interval or engine hours/mileage in a downloadable format, including a description of the relevant tasks directly from the maintenance manuals.

- > All parts required for the service are displayed and can be downloaded to a local CSV file for quick upload into our online ordering system.
- > You can even set a reminder in your calendar with one mouse-click.
- > Makes Maintenance Scheduling easy and efficient



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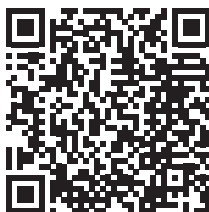




REMANUFACTURED!

We have completely revised our remanufacturing program for GMK parts!

SCAN TO LEARN MORE:



https://www.manitowocranes.com/en/Parts_Services/ServiceAndSupport/Remanufacturing

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REMANUFACTURED!

The carefully selected parts in our remanufacturing program are high value components that include transmissions, gear boxes, hydraulic cylinders, electronic units and other vital parts for your crane, all remanufactured by the original manufacturers.

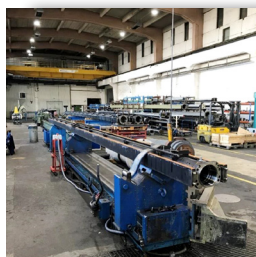
Failure of one major component does not have to be the end of the road for an older crane that has proven its value.

We know its not just the cost of the part, but also labor cost that can quickly add up. So we want to give you the most cost-effective way to get your crane back up and running every single time!

And the advantages of our offer are compelling:

- > Fast availability
- > Priced at 75 % of new
- > Attractive core return credit for usable old part (not valid in the Americas or Asia Pacific)
- > 12 months' warranty for remanufactured parts

Cylinder Remanufacturing



Disassembly



Inspection

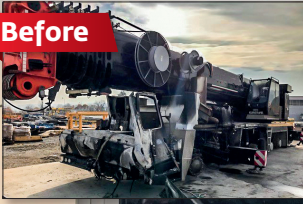


Remanufactured
Cylinder

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Before



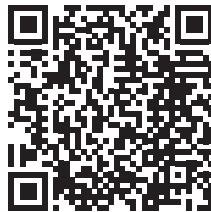
After



REBUILD!

Our qualified EnCORE facilities and partners can give your crane a new lease of life.

SCAN TO LEARN MORE:



https://www.manitowoccranes.com/en/Parts_Services/ServiceAndSupport/Remanufacturing

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REBUILD!

When something bad happens, we are here to help. Our qualified EnCORE facilities and partners can give your crane a new lease of life.

Whether rebuild, repair or remanufacturing exchange, our EnCORE program provides cost effective solutions.

With same-as-new factory warranties, to reduce downtime and extend the life of your crane, it is an offer you should definitely take a look at.

Discuss your needs with your local Manitowoc Crane Care representative.

GMK5130-2

Before



After



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CRANE CARE BROCHURE

Download a PDF version of our brochure, detailing Crane Care's global versatility.

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CRANE CARE

A WORLDWIDE SUPPORT NETWORK

In this brochure we introduce you to our network that spans the globe and explains what makes us the differentiator in aftermarket support.

With over 90 years of experience manufacturing cranes, Manitowoc has developed resources that are critical in helping to maximize the life of your cranes.

- > **Parts** are readily available through our online ordering center and call centers around the world
- > **Excellent service and technical support** enable your cranes to be maintained and repaired quickly and correctly.
- > **Our training programs** for technician certification are provided in dedicated facilities with hands-on interaction.
- > **The EnCORE program** helps extend the life of your crane and give it a second life by restoring parts and components

Download this brochure from our website, or order it from us and show your customers how together our organisation supports their investment worldwide!

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NOTES

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