



GARE CATALOGUE

GMK MAINTENANCE PARTS, TOOLS & INFORMATION

10/2022

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 Grove Product Support 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 Service Partner.



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

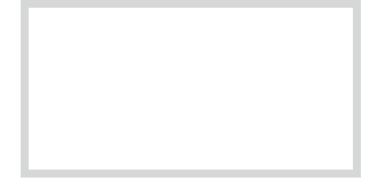


https://www.manitowoc.com/parts/mobile-cranes-parts

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Your contact is:







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.manitowoc.com/parts/mobile-cranes-parts

GROVE®

Now with User Guides

For all 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







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.







Crane model	Engine		Crane S/No start	Maintenance Manual	1000h or 2000h kit P/No
GMK 2035E	Mercedes	E3a	2035 2001	3 112 340/1 or 3 112 983/4	03065750
CMK 2050 1	Mercedes	Еза	3050 2001		03065749
GMK 3050-1	Mercedes	E3b	3050 1001		03065749
	Mercedes	Еза	3055 9001	3 112 547/8 or 3 112 739/40	03065749
	Mercedes	Еза	3055 2001	3 733,40	03065749
	Mercedes	E3b	3055 1001		03065749
GMK 3060	Mercedes	Еза	3060 4101	3 112 882/3 or	03065749
	Mercedes	E3b	3060 5001	3 302 476/7	03065749
GMK 3060C	Cummins	T4F*	3060 6001	3 302 573/4	04241475

* some T3 downgrades

GMK 3050-2	Cummins	T4F / E5	3050 2501	2 202 952/5	04299742
	Cummins	T3	3050 1501	3 302 853/5	04299741
CMV 2050 2	Cummins	T4F / E5	3050 2501	,	04299742
GMK 3050-3	Cummins	T3	3050 1601	3 303 129/30	04299741
CMV 2060 1	Cummins	T4F / E5	3060 2601		04299742
GMK 3060-1	Cummins	T3	3060 1501	3 302 990/1	04299741
GMK 3060-2	Cummins	T4F / E5	3060 2601	2 202 121/2	04299742
	Cummins	T3	3060 1601	3 303 131/2	04299741
CMK 2060L	Cummins	T4F / E5	3060 7001	0/-	04299742
GMK 3060L	Cummins	Т3	3060 4501	3 302 778/9	04299741
GMK 3060L-1	Cummins	T4F / E5	3060 7101	3 303 086/7	04299742
	Cummins	Т3	3060 4601	3 303 086/7	04299741

MAINTENANCE KITS

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h or 2000h kit P/No
			4080 2001	3 112 742/3 or	04175660
GMK 4080-1	Mercedes			3 113 167/8 or	
		E3b	4080 3001	3 113 169/70	04175660
GMK 4100	Mercedes	Chassis E3b	41006001	3 112 748/9	02065742
GMK 4100L	Mercedes	Super E3a	4100 6001	3 112 628/9	03065742
GMK 4100	Mercedes	Chassis E3b	4100 6501	3 113 094/5	04261046
GMK 4100L	Mercedes	Super E ₃ b	4100 6501	3 113 101/2	04361946
GMK 4080-2	Mercedes	T4F	4080 4001	3 302 759/60	04181392
		T3	4080 5001	3 302 759/00	04181392
CMV 4000	Mercedes	T4F	4090 4003	3 302 648/9	04181392
GMK 4090		T3	4090 5001	3 302 048/9	04181392
CMV	Mercedes	T4F	4100 7001	2 202 262/4	04181392
GMK 4100L-1		T ₃	4100 4001	3 302 363/4	04181392
	Mercedes	T ₃	4080 5101		04361962
GMK 4080-3		E ₅	4080 4101	3 303 190/1	04361962
	Mercedes	T4F	4080 4080		04361969
GMK 4090-1	Mercedes	T ₃	4090 5101		04361962
	Merceues	E ₅	4090 4101	3 303 188/9	04361962
	Mercedes	T4F	4090 4080		04361969
	Mercedes	T ₃	4100 7101		04361962
GMK 4100L-2	ivicicedes	E5	4100 4301	3 303 149/50	04361962
	Mercedes T4F		4100 4250		04361969

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Crane model	Engine		Crane S/No start	Maintenance Manual	1000h or 2000h kit P/No	
CMV Md	Chassis E3b	5005 5004	2 112 972/4	02144332		
GMK 5095	Mercedes	Super E3a	5095 5004	3 112 873/4	03144113	
CMV soos	Mercedes	Chassis E3b		2 332 007/9	04361947	
GMK 5095	Merceues	Super E ₃ b	5095 5501	3 113 097/8		
CMV =310.1	Marcadas	Chassis E3b	5310 6001	2 222 922/2		
GMK 5110-1	Mercedes	Super E3a	5110 6001	3 112 811/2	03144315	
CMV 5330 3	Marcadas	Chassis E3b	F120 F001	2 222 772 /2	03144315	
GMK 5130-2	Mercedes	Super E3a	5130 7001	3 112 751/2		
CMV 5330.3	Marcadas	Chassis E3b	_		04182405	
GMK 5110-1	Mercedes	Super E ₃ b	5110 6501	3 113 099/100		
CMV 5120 2	Marcadas	Chassis E3b		2 112 001/2	04182405	
GMK 5130-2	Mercedes	Super E ₃ b	5130 7501	3 113 091/2		
CNAV Massada	Marcadas	T4F	5150 0002	3 302 400/1 or	04181945	
GMK 5150	Mercedes	T ₃	5150 7001	3 303 036/7	04181945	
CMV FIFOL	Marcadas	T4F	5150 1001	3 302 398/9 or	04181945	
GMK 5150L	Mercedes	T3	5150 9001	3 303 034/5	04181945	
		E5	5150 3501		04326493	
GMK 5150-1	Mercedes	T4F	5150 0501	3 302 979/80	04326493	
		T ₃	5150 7501		04326493	
GMK5150L-1		E5	5150 4501		04326493	
	Mercedes	T4F	5150 1501	3 302 977/8	04326493	
		T3	5150 9501		04326493	

MAINTENANCE KITS

Crane model	Engine		Engine Crane S/No start		Maintenance Manual	1000h or 2000h kit P/No
GMK 5170-1 Merced	Mercedes	Chassis E3b	5170 4001	3 112 876/7 or	03065745	
GIVIN 3170 1	Wiciccucs	Super E ₃ b	31/0 4001	3 113 028/9	03003/43	
GMK 5220	Mercedes	Chassis E3b	5220 4001	3 113 026/7 or	03065745	
GIVIN 5220	iviciccucs	Super E ₃ b	5220 4001	3 302 372	03003743	
		E5	5180 6500	,_	04165132	
GMK 5180-1	Mercedes	T4F	5180 5001	3 302 935/6 or 3 303 079/80	04165132	
		Т3	5180 6002	3303 273,00	04165132	
	Mercedes	E5	5200 8501	3 302 745/6 or 3 303 081/2	04165132	
GMK 5200-1		T4F	5200 5001		04165132	
		Т3	5200 6001	332324	04165132	
CMK rarol	Mercedes	T4F	5250 5001	3 302 733 or	04165132	
GMK 5250L	Mercedes	T3	5250 6001	3 302 744	04165132	
		E5	5250 7001	3 302 870/1 or 3 303 050/1	04165132	
GMK 5250L-1	Mercedes	T4F	5250 5501		04165132	
		T3	5250 6501	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	04165132	
	Mercedes	E5	5250 9501		04165132	
GMK 5250XL-1		T4F	5250 8501	3 302 965/6 or 3 303 077/8	04165132	
		T ₃	5250 4501	33:3-77	04165132	





1000h or Crane S/No Maintenance Crane **Engine** 2000h kit model start Manual P/No Mercedes E3b/T4i 6300 4001 04163128 3 302 841/2 or GMK 6300L 3 112 924/5 Mercedes 04163128 E3a/T3 6300 3001 GMK 6300L Mercedes T4F 6300 5001 04182012 3 302 443/4 Mercedes T3 6300 3502 04326516 3 302 718/9 or 6300 5096 GMK 6300L-1 T₄F 04182012 3 112 873/4 Mercedes E5 6300 6001 04182012 E3b/T4i Mercedes 6400 2001 04182195 3 113 072/3 or GMK 6400 3 302 755/6 Mercedes E3a/T3 6400 3001 04182195 GMK6400-1 Mercedes E5 6400 4001 04362376 3 303 218 GMK 7450 E3a / T3 Mercedes 7450 8001 04163129 3 112 912/52 GMK 7450 Cummins T₄F 7450 9001 3 302 576/7 04299638

NOTES







BOOM GREASE PLUS

We are proud to offer this new generation, high density boom sliding surface lubricant that has exceptional performance in all temperatures, is long lasting, weather resistant and with tested reliability.

SCAN TO LEARN MORE:



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BOOM GREASE PLUS

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.

Furthermore, to ensure the smooth functioning of the cranes in different weather conditions, such as high heat, rain, snow, and ice, or even a high level of dust, a special lubricant is essential.

With our latest lubricant solution,

Boom Grease *Plus*, we have nearly doubled the density at high temperatures, while maintaining the low-temperature properties. This further reduces wear and prevents stick-slip in all weather conditions.



Perfectly mixable with our previous boom grease. No cleaning out of systems, or washing off from boom surfaces necessary.

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

The following sizes are available:

Part Number	Size		
04299657 (replaces: 02314184)	400gr. Cartridge		
04299656 (replaces: 03329071)	400gr. Cartridge (for spray gun)		
04299654 (replaces: 01373458)	ıokg Bucket		
04299655 (replaces: 02314698)	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



Bolt Grease 2.0

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

This highly recommended allrounder 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 4009 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

Cantoucc Pressured Genes Sorry

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 usual parts contact.







MAINTENANCE TOOLS

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

SCAN TO LEARN MORE:



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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 04299655 25kg Boom Grease *Plus*



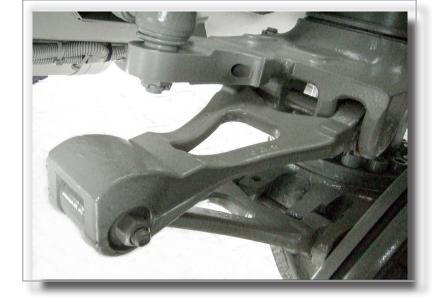
Part Number 03329027 Hand Spray Gun

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 D15-007	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 220V 04326279 110V	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
Hydraulic Leaks	PB D22-301	03312789 450ml 03312791 150ml	Leak Detection Agent
GMK Hoist Maintenance	PB D22-308	see bulletin	Hoist brake & gear exchange program

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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:



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TRAINING

Our Training Centers offer courses for operators and technicians across the



globe to provide in depth instruction on crane operation, maintenance and troubleshooting procedures. Experienced 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:

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TrainingGMK@manitowoc.com









DIAGNOSTIC TOOLS

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

SCAN TO LEARN MORE:



https://www.manitowoc.com/parts/mobile-cranes-parts

GROVE[®]

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 neccessary 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 Grove Product Support.





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 our 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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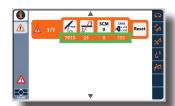


DIAGNOSTIC APP

The proccess 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



CCS Software Calibration



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Replacement Transducer 04162501





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:

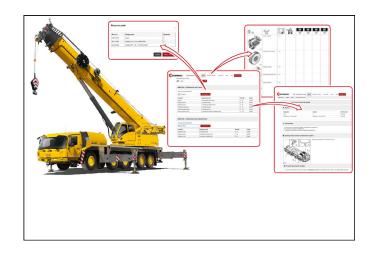


https://www.manitowoc.com/parts/mobile-cranes-parts

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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We will remanufacture as new

REMANUFACTURED!

We have completely revised our remanufacturing program for GMK parts!

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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





REBUILD!

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

SCAN TO LEARN MORE:



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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 Grove Product Support.

GMK5130-2

Before









NOTES





NOTES





The Manitowoc Company, Inc.

Regional headquarters

Americas

Milwaukee, Wisconsin, USA

Tel: +1 414 760 4600

Shady Grove, Pennsylvania, USA

Tel: +1 717 597 8121

APAC

Shanghai, China

Tel: +86 21 6457 0066

Singapore

Tel: +65 6264 1188

Europe and Africa

Dardilly, France - TOWERS

Tel: +33 (0) 472182020

Wilhelmshaven, Germany - MOBILE

Tel: +49 (0) 4421 294 0

Middle East and India

Dubai, UAE

Tel: +971 4 8862677

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