

Maintenance Kit Guide 500h / 1000h / 2000h

GMK 4080-3 / GMK 4090-1 / GMK 4100L-2

Mercedes E5 / T3 engine

500 h Maintenance Kit

Help keep your crane making money for you!
 Regular preventative maintenance ensures good reliability.
 Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 500 hour kit is equivalent to an average 6 month inspection.



*The sample image may show a different content than listed below

Should you have any feedback or questions regarding maintenance kits, please contact Grove Product Support.

500h Maintenance Kit P/No 04425837

Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	500h kit P/No
GMK 4080-3	Mercedes	T3	4080 5101	3 303 190/1	04425837
	Mercedes	E5	4080 4101		
GMK 4090-1	Mercedes	T3	4090 5101	3 303 188/9	04425837
	Mercedes	E5	4090 4101		
GMK 4100L-2	Mercedes	T3	4100 7101	3 303 149/50	04425837
	Mercedes	E5	4100 4301		

The kits basically follow the maintenance plans as shown in chapter 5 of the Maintenance manual. Please refer to this for further details and requirements. There may appear to be some discrepancies with the part numbers given in the Maintenance manual compared to those in the kit. The kit contains the latest recommendations, where any updates are a function of our continuous improvement.

Kit contents

Part No.	Description	Quantity
00117151	Seal (axle center drives, transfer case, angle drive)	6
00117134	Seal (transfer case)	1
04181265	Gasket (Axle lines Final drives)	8
04256786	Gasket set complete (chassis hydraulic oil filter 1 & 2)	2
04165792	Gasket set (super hydraulic oil filter 1)	1

1000 h Maintenance Kits

Help keep your crane making money for you!
 Regular preventative maintenance ensures good reliability.
 Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 1,000 hour kit is equivalent to an average 12 month inspection.



*The sample image may show a different content than listed below

Should you have any feedback or questions regarding maintenance kits, please contact Grove Product Support.

1000h Maintenance Kit P/No 04361962

Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h kit P/No
GMK 4080-3	Mercedes	T3	4080 5101	3 303 190/1	04361962
	Mercedes	E5	4080 4101		
GMK 4090-1	Mercedes	T3	4090 5101	3 303 188/9	04361962
	Mercedes	E5	4090 4101		
GMK 4100L-2	Mercedes	T3	4100 7101	3 303 149/50	04361962
	Mercedes	E5	4100 4301		

The kits basically follow the maintenance plans as shown in chapter 5 of the Maintenance manual. Please refer to this for further details and requirements. There may appear to be some discrepancies with the part numbers given in the Maintenance manual compared to those in the kit. The kit contains the latest recommendations, where any updates are a function of our continuous improvement.

Kit contents

Part No.	Description	Quantity
01576026	Chassis hydraulic oil tank breather	1
03134932	Super hydraulic oil tank breather	1
04362243	Chassis hydraulic oil filter 3 & 4	2
03142356	Super hydraulic oil filter 2	1
03142360	Suspension overflow tank breather	1
04293664	Chassis cab (2020) pollen filter	1
04293649	Chassis cab (2020) air filter	1
03329152	Chassis hydraulic oil filter 1 & 2	2
04362245	Super hydraulic oil filter 1	1
04161529	Engine oil drain screw Plug	1
04286396	Engine oil filter	1
04286260	Filter, Air Dryer	1
04326283	Fuel filter 1 & 2 kit	1
04241157	Main air filter element	1
04241158	Safety air filter element	1
00117125	Sealing ring (slewing gear)	2
00117132	Sealing ring (slewing gear)	2
00117134	Seal (transfer case)	9
00117145	Seal (axle center drives, final drives, transmission)	1
00117151	Seal (axle center drives, transfer case, angle drive)	6
01371208	Seal (axle center drives)	4
03135867	Gasket set complete (chassis hydraulic oil filter 3 & 4)	2
03326049	Seal kit (super hydraulic oil filter 2)	1
04256786	Gasket set complete (chassis hydraulic oil filter 1 & 2)	2
04165792	Gasket set (super hydraulic oil filter 1)	1
04181265	Gasket (Axle lines Final drives)	8
04158759	AdBlue filter cartridge	1

2000 h Maintenance Kits

Help keep your crane making money for you!
 Regular preventative maintenance ensures good reliability.
 Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 2,000 hour kit is equivalent to an average 2 year inspection.



*The sample image may show a different content than listed below

Should you have any feedback or questions regarding maintenance kits, please contact Grove Product Support.

2000h Maintenance Kit P/No 04425838

Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	2000h kit P/No
GMK 4080-3	Mercedes	T3	4080 5101	3 303 190/1	04425838
	Mercedes	E5	4080 4101		
GMK 4090-1	Mercedes	T3	4090 5101	3 303 188/9	04425838
	Mercedes	E5	4090 4101		
GMK 4100L-2	Mercedes	T3	4100 7101	3 303 149/50	04425838
	Mercedes	E5	4100 4301		

The kits basically follow the maintenance plans as shown in chapter 5 of the Maintenance manual. Please refer to this for further details and requirements. There may appear to be some discrepancies with the part numbers given in the Maintenance manual compared to those in the kit. The kit contains the latest recommendations, where any updates are a function of our continuous improvement.

Kit contents

Part No.	Description	Quantity
01576026	Chassis hydraulic oil tank breather	1
03134932	Super hydraulic oil tank breather	1
04362243	Chassis hydraulic oil filter 3 & 4	2
03142356	Super hydraulic oil filter 2	1
03142360	Suspension overflow tank breather	1
04293664	Chassis cab (2020) pollen filter	1
04293649	Chassis cab (2020) air filter	1
03329152	Chassis hydraulic oil filter 1 & 2	2
04362245	Super hydraulic oil filter 1	1
04161529	Engine oil drain screw Plug	1
04286396	Engine oil filter	1
04286260	Filter, Air Dryer	1
04326283	Fuel filter 1 & 2 kit	1
04241157	Main air filter element	1
04241158	Safety air filter element	1
00117125	Sealing ring (slewing gear)	2
00117132	Sealing ring (slewing gear)	2
00117134	Seal (transfer case)	9
00117145	Seal (axle center drives, final drives, transmission)	2
00117151	Seal (axle center drives, transfer case, angle drive)	6
01371208	Seal (axle center drives)	4
03135867	Gasket set complete (chassis hydraulic oil filter 3 & 4)	2
03326049	Seal kit (super hydraulic oil filter 2)	1
04256786	Gasket set complete (chassis hydraulic oil filter 1 & 2)	2
04165792	Gasket set (super hydraulic oil filter 1)	1
04181265	Gasket (Axle lines Final drives)	8
04158759	AdBlue filter cartridge	1
03328342	Strainer Transmission	1

Part No.	Description	Quantity
03328343	Spring Transmission	1
03328344	Gasket Transmission	1

Additional Maintenance Items (not included in the kit)

OILS AND GREASES

Many oils and greases will be available locally to you, we strongly recommend that the specifications given in chapter 6 of the Maintenance manual be followed when selecting any equivalents. These oils and greases have no equivalent and should be ordered from our Parts Department, as required:

Sliding surface 'BOOM GREASE Plus'

- 400 gr. cartridge for spray gun - part number **04299656**
- 400 gr. cartridge - part number **04299657**
- 10 kg can - part number **04299654**
- 25 kg bucket - part number **04299655**

Cylinder rod corrosion protection (400ml spray) - part number **01929824**

Boom pinning 'BOLT GREASE 2.0' (400g cartridge) - part number **03313195**

Suspension lubricant (1-liter bottle) P/No 02310863, (10-Liter) - part number **02312890**

Turntable bearing gear teeth adhesive grease (400ml spray) - part number **S-01032-63**

OIL ANALYSIS KIT

As part of the annual maintenance, you should take a sample from the hydraulic system (chapter 7 of the maintenance manual) to determine the condition of the hydraulic oil. We recommend our oil analysis kit, which is available under part number **03141012**. The kit contains: an oil sample bottle, oil description form (to be completed) and return envelope. The price of this kit includes laboratory analysis of the sample and report.



GMK BOOM GREASE KIT

Makes regular maintenance quick and trouble-free. Boom lubrication with the right tools! The boom lubrication kit is designed to provide easy access to inaccessible areas for tasks like lubrication inside the boom through the pinning holes

Tested by our technicians. – Boom Grease Kit part number: **04414162**

Works with High-Pressure Hose, 25m (purchased separately) - part number: **03329072**

For convenience you can also order the total package “Boom Lubrication Kit” including the boom grease and the spray lance under part number **04414402**



p/n 04414162



p/n 03329072



p/n 04414402

GMK BATTERY CHARGER

Keep your battery charged and ready to go!

Regular preventative maintenance ensures good reliability. Easy and convenient, with the matching Harting plug to connect to your GMK crane already attached.

Heavy-duty battery charger (220V; 24V - 20A, 110 V; 24V - 10A).

Part Number (110V): **04326279**

Part Number (220V): **04326178**

