

Modification notes

12.01.2017	"Maintenance intervals for replacing coolant on vehicles with code B3H (Secondary water retarder)" changed.	J1, J2, J3, J6	
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- ☐ **W = Maintenance (depends on the indicator in the display)**
 - ☐ **M = Engine maintenance (depends on the indicator in the display)**
 - ☐ **Z = Additional operations:**
 - ☐ Transmission maintenance (dependent on indication on display)
 - ☐ Axle maintenance (dependent on indication on display)
 - ☐ Diesel particulate filter maintenance (dependent on indication in display), as from VIN 880138, with ENGINE 936.9.
 - ☐ J1 - J6 = Time-based servicing scheme - Maintenance operations annually, every 2, 3, 6 years
 - ☐ J1 = Additional operation annually
 - ☐ J2 = Additional operations every 2 years
 - ☐ J3 = Additional operations every 3 years
 - ☐ J6 = Additional operations every 6 years
 - ☐ JS = Time-based servicing scheme - Safety-relevant operations once annually (following consultation with customer)
 - ☐ V2 = Adjust valve clearance (for 2nd, 4th, 6th, 8th etc. engine maintenance), engine 936.9
 - ☐ V3 = Adjust valve clearance (for 1st, 4th, 7th, 10th etc. engine maintenance), engine 470.9, 471.9, 473.9
 - ☐ Z1 = Additional operations once at 1st maintenance
 - ☐ Z2 = Additional operations (diesel particulate filter) for every 2nd maintenance - engine maintenance, up to VIN 880137, with engine 936.9
 - ☐ Z4 = Additional operations every 4 years
 - ☐ ZX = Additional operations (diesel particulate filter) for 3rd maintenance - engine maintenance, then for each 2nd maintenance - engine maintenance, engine 470.9, 471.9, 473.9



G00.20-3129-11

Order number

Current mileage _____

Signature _____

W	M	Z		Input condition not OK:	
Completed					
					
					
			Inspection through Service Advisor		
			Check vehicle for damage to paintwork, corrosion and accident damage	-----	
			Lateral protection, roof/side spoilers		

☐	☐		Seat belts: Check condition and function https://truckmanualshub.com/ 	☐
☐	☐		Date of tachograph inspection 	☐
☐	☐		Read out remaining distance for diesel particulate filter (DPF) in display ### ## as of VIN 880138, with ENGINE 936.9 ☐ Depending on the remaining distance agree to change the diesel particulate filter with the customer.	
☐	☐		Remove loose objects from the cab 	
	☐	☐	Determine oil quality for oil change of major assembly ☐ Enter oil quality for each maintenance point.	
☐	☐		Enter and confirm completion of service items in Digital Service Booklet (DSB) Only in countries in which DSB is available. ☐ Upon completion of the maintenance operations, print out service report for customer.	
	☐		Engine maintenance Engine - oil and filter change Engine 470.9, 471.9, 473.9 Engine 936.9 ☐ After obtaining special order. Oil quality to be used: Mercedes-Benz oil recommended. Check the oil quality setting in the maintenance system; change if necessary.	AP18.00-W-0101H AP18.00-W-0101MD
	☐		Fuel filter: Filter service Replace fuel filter Replace fuel prefilter Remove water from water separator Engine 470.9, 471.9, 473.9	AP47.20-W-0780H AP47.20-W-0781H AP47.20-W-0780-01H
	☐		Fuel prefilter with water separator: Replace filter element With CODE M8Y (Fuel prefilter, fixed to the chassis, additional)	AP47.20-W-0783H
	☐		Check poly-V belt at visible points for wear and damage 	☐
	☐		Replace V-belt Motor 963 with code N7F (Front engine power take-off, preinstallation for refrigerator unit AW15), or with code N7G (Front engine power take-off, preinstallation of refrigerator unit AW22,5, or) with code N7H (Front engine power take-off, preinstallation of refrigerator unit AW30) ☐ After obtaining special order.	AP13.22-W-1351H
		☐	Additional scopes for transmission — Oil service subject to separate repair order Transmission maintenance (dependent on indication on display) Manual transmission: Oil change Transmission 715.3/5 ☐ Oil quality to be used: Mercedes-Benz oil recommended. Check the oil quality setting in the maintenance system; change if necessary.	AP26.00-W-2601H
		☐	Transfer case: Oil change 	

 Oil quality to be used:

Mercedes-Benz oil recommended.
Check the oil quality setting in the
maintenance system; change if
necessary.

**Additional scopes for axles — Oil service
subject to separate repair order**

Axle maintenance (dependent on indication on
display)

☐

Front axle oil change

FRONT AXLE 730.15

AP33.00-W-3301H

 Oil quality to be used:

Mercedes-Benz oil recommended.
Check the oil quality setting in the
maintenance system; change if
necessary.

☐

Front axle through-drive housing: oil change

Front axle 730.152

AP33.00-W-3303H

 Oil quality to be used:

Mercedes-Benz oil recommended.
Check the oil quality setting in the
maintenance system; change if
necessary.

☐

Rear axle: Oil change

REAR AXLE 746.220/301, 748.595,
771.01

AP35.00-W-3501H

Rear axle 748.28/29

AP35.00-W-3501HA

 Oil quality to be used:

Mercedes-Benz oil recommended.
Check the oil quality setting in the
maintenance system; change if
necessary.

☐

Rear axle through-drive housing: oil change

REAR AXLE
748.281/283/291/293/295

AP35.00-W-3502H

 Oil quality to be used:

Mercedes-Benz oil recommended.
Check the oil quality setting in the
maintenance system; change if
necessary.

Exhaust aftertreatment

Diesel particulate filter maintenance (dependent on
indication in display), as from VIN 880138, with
ENGINE 936.9.

☐

Exhaust aftertreatment unit: Replace diesel
particulate filter (DPF)

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.### ## as of VIN 880138 with
engine 936.9

AP49.20-W-0001H

 Enter numbers in "Installed DPF
data" table.

Before removing the DPF, compare
the lead seal no. and ID no. in the
maintenance booklet with each
other.

**Time-based servicing scheme, every
year, every 2, 3, 6 years**

J1 - J6 = Time-based servicing scheme - Maintenance
operations annually, every 2, 3, 6 years

☐

Check that engine, transmission, retarder,
axles, steering, power steering pump, cab
tilt system are not leaking and are in good
condition



In the event of fluid loss,

↓
Determine and rectify cause, subject
to separate repair order.

AP00.20-W-0050H

☐	Check air intake line between air filter, charge air cooler and engine for leaks and condition	○	AP09.00-W-0953H
	If leaks are present ↓ Determine and rectify cause, subject to separate repair order.		
☐	Check cooling and heating system, radiator, lines and hoses for leaks and condition	○	AP20.00-W-2050H
	If there is fluid loss or damage ↓ Determine and rectify cause, subject to separate repair order.		
☐	Check exhaust system for leaks and condition	○	AP49.00-W-4950H
	If damaged or leaking ↓ Determine and rectify cause, subject to separate repair order.		
☐	Check all reservoirs, equipment, shock absorbers, covers, boots, dust caps for leaks and condition	○	AP00.20-W-0052H
	If damage is present ↓ Replace affected parts, subject to separate repair order.		
☐	Check all lines, hoses and sensor cables for chafe marks and correct routing	○	AP00.20-W-0051H
	If there is damage or fluid loss ↓ Determine and rectify cause, subject to separate repair order.		
☐	Air filter with drain valve: Drain dust		AP09.10-W-0931H
	With CODE M8L (Cyclone prefilter, for coarse dust)		
☐	Engine cooling system: Check anticorrosion/antifreeze protection	○	AP20.00-W-2010H
	 _____ °C Correct subject to a separate repair order.		
☐	Battery in tire pressure sensor: Check charge level	○	AP40.15-W-4056-01H
	With CODE S1Y (Tire pressure monitor)		
☐	Tire pressure: Check/correct	○	AP40.15-W-4060H
	 Including spare tire.		
☐	Batteries: Check fluid level	○	AP54.10-W-5410H
	Except CODE C7K (Battery carrier, batteries stacked)		
☐	Signaling system, indicator lamps: Check function	○	AP54.00-W-5451H

☐		Windshield wipers, windshield washer system, headlamp cleaning system: Check function and setting	.....	○	AP82.30-W-8252H
☐		Replace dust filter for heating/air conditioning	.....		AP83.00-W-8381H
		Additional time-based servicing scheme, every year J1 = Additional operation annually			
	☐	Lubricating with grease gun: Steering knuckle, axle load compensation (four-axle vehicles), propeller shaft universal joints (all-wheel drive vehicles and propeller shaft between 1st and 2nd rear axle), brake shafts (drum brakes), trailer hitch, dumper system	.....		AP00.20-W-0020H
	☐	Fifth wheel coupling: Refill lubricant dispenser	.....		AP31.10-W-3155H
	☐	Check coolant for soiling	.....	○	AP20.00-W-1100H
		With code B3H (Secondary water retarder) and except code M8T (Coolant filter) If coolant is found to be discolored. ↓ Replace coolant.			AP20.00-W-2080H
		 Pay attention to composition of coolant!			
	☐	Replace coolant and coolant filter insert	.....		AP20.00-W-2080H AP20.00-W-2040H
		With code B3H (Secondary water retarder) and with code M8T (Coolant filter) Refill with new coolant Replace coolant filter insert With code M8T (Coolant filter)  Pay attention to composition of coolant!			
	☐	Air suspension valve of leading or trailing axle: Check setting	.....	○	AP32.22-W-3200H
	☐	Check auxiliary steering	.....	○	AP46.80-W-4600HA AP46.80-W-4600H
		With CODE JCLM (CTT steering system, electrohydraulic) With CODE JCLV (CTT steering system, displacement steering)			
	☐	Auxiliary steering: Check condition of filter at maintenance indicator of filter	.....	○	AP46.80-W-4630H
		With CODE JCLM (CTT steering system, electrohydraulic)			
	☐	Replace filter in fuel tank ventilation line	.....		AP47.20-W-0795A
	☐	Compressed-air drier - replacing granulate cartridges	.....		AP42.60-W-4381H
		With CODE B1C (Electronic compressed-air supply unit, low), or CODE B1D (Electronic compressed-air supply unit, medium)			

 Oil quality to be used:

Mercedes-Benz oil recommended.

☐	Air suspension valve of leading or trailing axle: Check setting	----- Model 964 with code JZAB (Chassis modification to 10x4/6 trailing axle) or with code JZAO (chassis modification to 10x4/6 leading axle)	○ AP32.22-W-3200H
☐	Compressed-air drier - replacing granulate cartridges	----- With CODE B1C (Electronic compressed-air supply unit, low), or CODE B1D (Electronic compressed-air supply unit, medium) With CODE B1E (Electronic compressed air supply unit, upright)  Note installation date for granulate cartridges!	○ AP42.60-W-4381H AP42.60-W-4381HA
☐	Check auxiliary steering	----- With CODE JCLM (CTT steering system, electrohydraulic) With CODE JCLV (CTT steering system, displacement steering)	○ AP46.80-W-4600HA AP46.80-W-4600H
☐	Auxiliary steering: Oil and filter change	----- With CODE JCLM (CTT steering system, electrohydraulic)	AP46.80-W-4610H
☐	Replace filter in fuel tank ventilation line	-----	AP47.20-W-0795A
☐	Batteries: Check fluid level	----- With CODE C7K (Battery carrier, batteries on top of each other)	○ AP54.10-W-5410HA
☐	Dumper system: oil change	----- Model 964.2  Oil quality to be used: Mercedes-Benz oil recommended.	AP55.20-W-5501H
☐	Hydraulic auxiliary drive (HAD): Check condition of all lines and hoses, oil reservoir, oil cooler, hydraulic motor and valve block and that they are leak-tight.	----- With CODE A1H (Hydraulic Auxiliary Drive (HAD))	○
☐	Check chassis preservation	----- With CODE Y3M (Mercedes-Benz chassis protection seal)  Rectify any visible damage, subject to a separate repair order.	○ AP97.20-W-9750K

Additional time-based servicing scheme, every 3 years

J3= Additional operations every 3 years

☐	Lubricating with grease gun: Steering knuckle, axle load compensation (four-axle vehicles), propeller shaft universal joints (all-wheel drive vehicles and propeller shaft between 1st and 2nd rear axle), brake shafts (drum brakes), trailer hitch, dumper system	-----	AP00.20-W-0020H
☐	Fifth wheel coupling: Refill lubricant dispenser	-----	



Replace air filter element

Except CODE M8A (Air intake, from front)
With CODE M8A (Air intake, from front)
 Note installation date and information in maintenance computer!

AP09.10-W-0980HA

AP09.10-W-0980HB



Refill with new coolant

Except code B3H (Secondary water retarder)

 Pay attention to composition of coolant!

AP20.00-W-2080H



Replace coolant and coolant filter insert

With code B3H (Secondary water retarder) and with code M8T (Coolant filter)

Replace coolant

Replace coolant filter insert

With code M8T (Coolant filter)

 Pay attention to composition of coolant!

AP20.00-W-2080H

AP20.00-W-2040H



Check coolant for soiling

With code B3H (Secondary water retarder) and except code M8T (Coolant filter)

If coolant is found to be discolored.



Replace coolant.

 Pay attention to composition of coolant!

AP20.00-W-1100H

AP20.00-W-2080H



Fifth wheel coupling: Replace lubricant dispenser and fifth wheel coupling locking mechanism

MODEL 963 with CODE Q4Z (Low-maintenance fifth wheel coupling, locking mechanism lubricated)

AP31.10-W-3152H



Replace fifth wheel coupling lock indicator

Model 963 with code Q6M (Fifth wheel coupling, with sensed plate, Jost JSK 42MK)

AP31.10-W-3154H



Air suspension valve of leading or trailing axle: Check setting

Model 964 with code JZAB (Chassis modification to 10x4/6 trailing axle) or with code JZAO (chassis modification to 10x4/6 leading axle)

AP32.22-W-3200H



Compressed-air drier - replacing granulate cartridges

With CODE B1C (Electronic compressed-air supply unit, low), or CODE B1D (Electronic compressed-air supply unit, medium)

With CODE B1E (Electronic compressed air supply unit, upright)

 Note installation date for granulate cartridges!

AP42.60-W-4381H

AP42.60-W-4381HA

		☐	Replace buffer battery of power steering https://truckmanualshub.com/	Model 964 with code C6H (Steering, Servotwin)	AP46.25-W-4601H
		☐	Check auxiliary steering	With CODE JCLM (CTT steering system, electrohydraulic) With CODE JCLV (CTT steering system, displacement steering)	AP46.80-W-4600HA AP46.80-W-4600H
		☐	Auxiliary steering: Check condition of filter at maintenance indicator of filter	With CODE JCLM (CTT steering system, electrohydraulic)	AP46.80-W-4630H
		☐	Replace filter in fuel tank ventilation line		AP47.20-W-0795A
		☐	Batteries: Check fluid level	With CODE C7K (Battery carrier, batteries on top of each other)	AP54.10-W-5410HA
		☐	Dumper system: oil change	Model 964.2  Oil quality to be used: Mercedes-Benz oil recommended.	AP55.20-W-5501H
		☐	Hydraulic auxiliary drive (HAD): Check condition of all lines and hoses, oil reservoir, oil cooler, hydraulic motor and valve block and that they are leak-tight.	With CODE A1H (Hydraulic Auxiliary Drive (HAD))	
		☐	Remove air conditioning dust filter	With CODE D6H (Stationary air conditioner)	AP83.30-W-8388H
		☐	Check chassis preservation	With CODE Y3M (Mercedes-Benz chassis protection seal)  Rectify any visible damage, subject to a separate repair order.	AP97.20-W-9750K
		☐	Additional time-based servicing scheme, every 6 years J6 = Additional operations every 6 years		
		☐	Lubricating with grease gun: Steering knuckle, axle load compensation (four-axle vehicles), propeller shaft universal joints (all-wheel drive vehicles and propeller shaft between 1st and 2nd rear axle), brake shafts (drum brakes), trailer hitch, dumper system		AP00.20-W-0020H
		☐	Fifth wheel coupling: Refill lubricant dispenser	Model 963 with code Q5A (Fifth wheel coupling, low-maintenance latch + plate) from Jost	AP31.10-W-3155H
		☐	Replace air filter element	Except CODE M8A (Air intake, from front) With CODE M8A (Air intake, from front)	AP09.10-W-0980HA AP09.10-W-0980HB

				1. Note installation date and information in maintenance computer!	
☐	Replace AdBlue® filter	-----			AP14.40-W-1481H
☐	Refill with new coolant	-----		Except code B3H (Secondary water retarder)	AP20.00-W-2080H
				Pay attention to composition of coolant!	
☐	Replace coolant and coolant filter insert	-----		With code B3H (Secondary water retarder) and with code M8T (Coolant filter) Replace coolant Replace coolant filter insert With code M8T (Coolant filter)  Pay attention to composition of coolant! Replace drain plugs with magnet (2 pcs) in the connection fitting on retarder every 2 years.	AP20.00-W-2080H AP20.00-W-2040H
☐	Refill with new coolant	-----		With code B3H (Secondary water retarder) and except code M8T (Coolant filter)  Pay attention to composition of coolant! Replace drain plugs with magnet (2 pcs) in the connection fitting on retarder every 2 years.	AP20.00-W-2080H
☐	Replace coolant hoses of coolant lines for secondary water retarder	-----		Engine 936.9 with code B3H (Secondary water retarder)	AP20.20-W-2082K
☐	Fluid coupling: Change oil and filter	-----		With CODE G3Y (Turbo retarder clutch) Oil change Replace filter element of oil separator  Oil quality to be used: Mercedes-Benz oil recommended.	AP25.50-W-2501H AP25.50-W-2581H
☐	Fifth wheel coupling: Replace lubricant dispenser and fifth wheel coupling locking mechanism	-----		MODEL 963 with CODE Q4Z (Low-maintenance fifth wheel coupling, locking mechanism lubricated)	AP31.10-W-3152H
☐	Replace fifth wheel coupling lock indicator	-----		Model 963 with code Q6M (Fifth wheel coupling, with sensed plate, Jost JSK 42MK)	AP31.10-W-3154H
☐	Air suspension valve of leading or trailing axle: Check setting	-----		Model 964 with code JZAB (Chassis modification to 10x4/6 trailing axle) or with code JZAO (chassis modification to 10x4/6 leading axle)	AP32.22-W-3200H

☐	Compressed-air drier - replacing granulate cartridges	https://truckmanualshub.com/ With code B1C (Electronic compressed-air supply unit, low), or with code B1D (Electronic compressed-air supply unit, medium) With CODE B1E (Electronic Air-Processing Unit (EAPU), high)  Note installation date for granulate cartridges!	AP42.60-W-4381H AP42.60-W-4381HA
☐	Replace buffer battery of power steering	Model 964 with code C6H (Steering, Servotwin)	AP46.25-W-4601H
☐	Check auxiliary steering	With CODE JCLM (CTT steering system, electrohydraulic) With CODE JCLV (CTT steering system, displacement steering)	AP46.80-W-4600HA AP46.80-W-4600H
☐	Auxiliary steering: Oil and filter change	With CODE JCLM (CTT steering system, electrohydraulic)	AP46.80-W-4610H
☐	Replace filter in fuel tank ventilation line		AP47.20-W-0795A
☐	Batteries: Check fluid level	With CODE C7K (Battery carrier, batteries on top of each other)	AP54.10-W-5410HA
☐	Dumper system: oil change	Model 964.2  Oil quality to be used: Mercedes-Benz oil recommended.	AP55.20-W-5501H
☐	Hydraulic auxiliary drive (HAD): Check condition of all lines and hoses, oil reservoir, oil cooler, hydraulic motor and valve block and that they are leak-tight.	With CODE A1H (Hydraulic Auxiliary Drive (HAD))	
☐	Remove air conditioning dust filter	With CODE D6H (Stationary air conditioner)	AP83.30-W-8388H
☐	Check chassis preservation	With CODE Y3M (Mercedes-Benz chassis protection seal)  Rectify any visible damage, subject to a separate repair order.	AP97.20-W-9750K
☐	Perform cavity preservation	With CODE X3U (10 year anti-corrosion warranty)	AP97.20-W-9780K
☐	Safety-related work JS = Time-based servicing scheme - Safety-relevant operations once annually (following consultation with customer) Leaf springs/spring bellows: Visual inspection for damage		AP32.20-W-3255H

		☐	Trailer hitch: Check function, play and attachment		https://truckmanualshub.com/	AP31.10-W-3151H
		☐	Fifth wheel coupling: check function, play and attachment			AP31.10-W-3150H
		☐	Read out brake wear in display			AP42.00-W-4293H
			 Enter result in "Residual brake lining thickness" table. Check brake lining thickness when remaining time is low through visual inspection. Replace brake linings according to findings subject to separate repair order.			
		☐	Checking condition of steering mechanism			AP46.00-W-4650H
		☐	Dumper system: check operation, play and mounting Model 964.2			AP55.20-W-5550H
		☐	Headlights: Check adjustment, adjust Model 963 with code F7A (bumper, corners made of plastic) Model 963, 964 with code F7B (bumper, corners made of steel)			AP82.10-W-8260H AP82.10-W-8260HA
		☐	Additional operations for engine V2 = Adjust valve clearance (for 2nd, 4th, 6th, 8th etc. engine maintenance), engine 936.9 Check and adjust valve clearance on engine and engine brake Engine 936.9			AP05.30-W-0560MD
		☐	V3 = Adjust valve clearance (for 1st, 4th, 7th, 10th etc. engine maintenance), engine 470.9, 471.9, 473.9 Check and adjust valve clearance on engine and engine brake Engine 470.9, 471.9, 473.9			AP05.30-W-0560H
		☐	Additional operations for 1st maintenance (once only) Z1 = Additional operations once at 1st maintenance Tighten bolts and nuts: Tensioning straps for fuel tank  Observe official torque specifications!			AP00.20-W-0073H
		☐	Additional operations for exhaust aftertreatment Z2 = Additional operations (diesel particulate filter) for every 2nd maintenance - engine maintenance, up to VIN 880137, with engine 936.9 Exhaust aftertreatment unit: Replace diesel particulate filter (DPF) ### up to VIN 880137 with engine 936.9  Enter numbers in "Installed DPF data" table. Before removing the DPF, compare the lead seal no. and ID no. in the maintenance booklet with each other.			AP49.20-W-0001H
		☐	ZX = Additional operations (diesel particulate filter) for 3rd maintenance - engine maintenance, then for each 2nd maintenance - engine maintenance, engine 470.9, 471.9, 473.9 Exhaust aftertreatment unit: Replace diesel particulate filter (DPF) Engine 470.9, 471.9, 473.9 with code M5Z (Euro VI engine variant)			AP49.20-W-0001H

			1 Enter numbers in "Installed DPF data" table. Before removing the DPF, compare the lead seal no. and ID no. in the maintenance booklet with each other.
		☐	Additional operations every 4 years Z4 = Additional operations every 4 years Automatic transmission: Oil and filter change ----- Model 963 with transmission 723.6 i Oil quality to be used: Mercedes-Benz oil recommended. Check the oil quality setting in the maintenance system; change if necessary. AP27.00-W-2702K
☐	☐	☐	Completion work on maintenance system Process service data in display ----- i Confirm work conducted, reset intervals. Check oil quality and SAE grade; change if necessary. AP00.20-W-0041H

Remaining brake lining thickness

Remaining distance in km		Remaining time	
1st front axle		1st front axle	
2nd front axle		2nd front axle	
1st rear axle		1st rear axle	
2nd rear axle		2nd rear axle	

Data for installed DPF

DPF at top		DPF at bottom	
ID no.:		ID no.:	
Lead seal no.:		Lead seal no.:	