

SEÇSAN



TYPE

SCST3-SCSN3 - SCST4-SCST5-SCST6-SCST8 AXLE LOW-BED

OPERATION, MAINTENANCE,
WARRANTY AND SERVICE

MANUAL

 FOREWORD 

The information in this manual contains important instructions concerning the operation and maintenance of the product you have purchased.

Following the operating and maintenance instructions will help avoid hazards, reduce repair costs and increase the safe service life of the product.

Therefore, these instructions must be read carefully by all users.

Please do not hesitate to contact us with any questions or problems regarding our product.

To ensure safe and efficient operation of the trailer on the road, all maintenance operations must be carried out at the specified intervals.

Please remember that the warranty will not remain valid unless you operate and maintain your equipment in accordance with our instructions.

CUSTOMER INFORMATION

Chassis Number

Customer Name

Delivery Date

Trailer Type

Delivered By

Received By

Axle Make and Type

Brake System Make and Type

Stamp - Signature

1. OPERATION

1.1 Coupling the Tractor and Trailer



Before coupling the tractor and trailer:

Apply the parking brake marked 1 in the figure (red button).



Perform safety checks around the trailer and tractor vehicle.

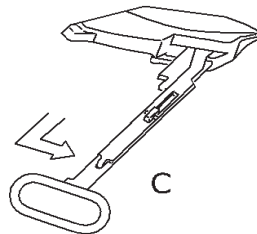
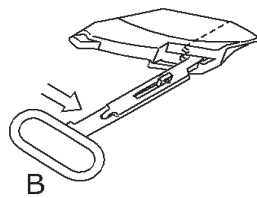
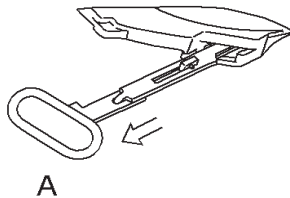
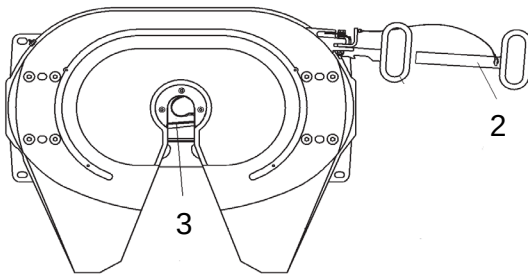
Pull the fifth-wheel handle marked 2 in the figure.

With the handle pulled (Figure A), push it forward (Figure B) and lock it (Figure C). Check that the fifth wheel is sufficiently lubricated.

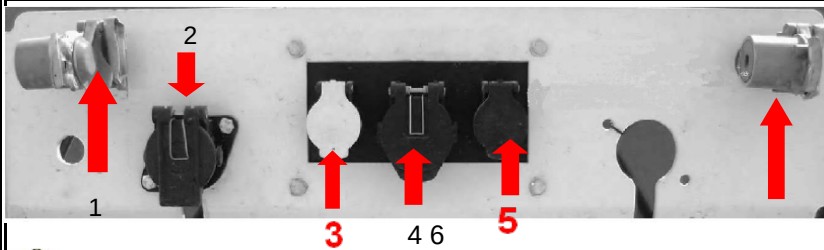
If the amount of grease is insufficient, lubricate it.

Slowly reverse the tractor under the trailer until the handle marked 2 in the figure locks automatically.

After handle 2 is locked, check lock 3 to make sure



it is securely engaged.



First connect the yellow brake coupling (6).

Then connect the red continuous-air coupling (1).



Keep the yellow and red coupling caps closed when the trailer is disconnected from the tractor.

Connect the ABS/EBS cable to the connection marked 2 in the figure. The tractor ignition must be switched off while connecting the cable.

Connect the electrical cables to connection 4 or to connections 3-5 shown in the figure.

Check the clearance between the tractor and trailer.

Raise the landing gear and secure its handle.

Carry out safety checks around the tractor and trailer.

Release the trailer parking brake. (Press the red button.)



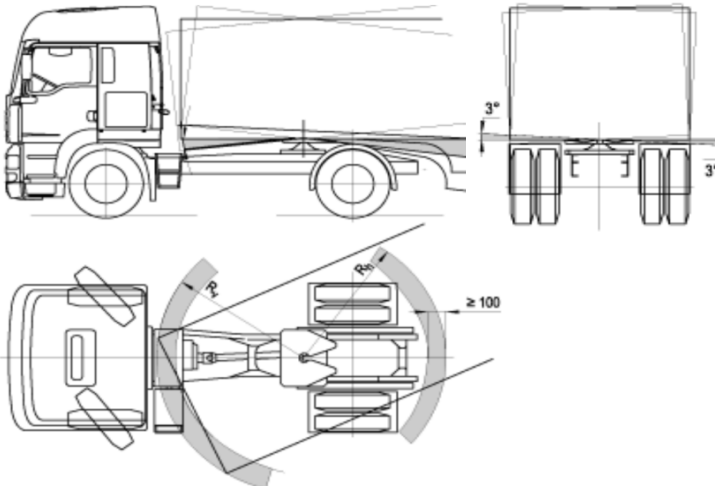
Do not move the vehicle without connecting the ABS/EBS cable, the red continuous-air coupling, the yellow brake coupling and the electrical connection.



Before moving, check that tyre pressures are adequate, the electrical system components are operating, brake air pressure is sufficient,

wheel nuts are tight and the air-suspension level-control lever is in the driving position.

1.2 Operating the Trailer

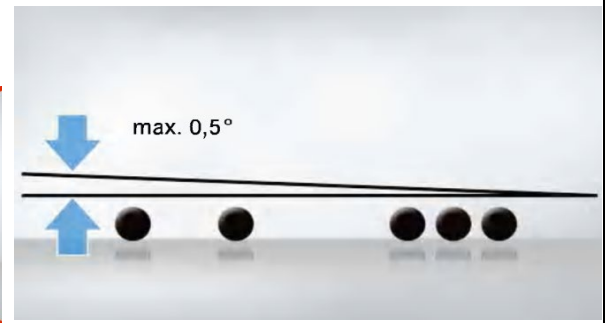


Operate your trailer only within the technically permissible inclination limits.

During operation, do not exceed 6 degrees forward, 7 degrees backward or 3 degrees sideways inclination.

During turning, the articulation angle between the tractor and trailer must not exceed 90 degrees.

Exceeding the angles specified above may damage the trailer and tractor vehicle.





Your trailer is equipped with an EBS braking system.

ABS: Prevents the wheels from locking during braking and the driver from losing control.

RSS: Automatically brakes the trailer if the vehicle exceeds a 3-degree lateral angle.

This braking continues until the vehicle

returns to normal or the driver applies the brakes.

This feature improves the trailer's cornering

safety.

EBS: Provides braking together with the ABS system in proportion to

the load carried by the trailer. This function uses data from the suspension

air springs. Therefore, the suspension

air-spring levels must remain at the level set by the

manufacturer.

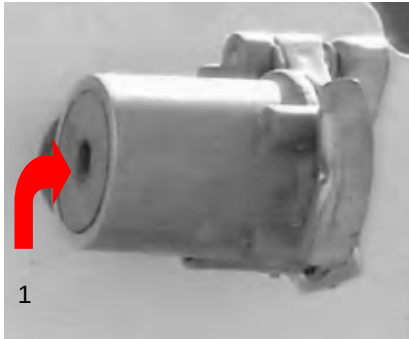


Remember that accidents and malfunctions may occur if the trailer electrical and air connections are not made.



Remember that the trailer braking system can ensure your safety only within physical limits.

The trailer braking system operates with dry and clean air. Therefore, timely maintenance of the tractor air dryer and dryer filters is important for trouble-free operation of the trailer. If this maintenance is not carried out correctly and on time, valves in the trailer braking system may fail prematurely.



The filters on the trailer brake and continuous-air couplings must be checked every three months, cleaned with alcohol, dried with compressed air and then refitted. (1)



The pressure at the tractor red coupling must be at least 8 bar.

The pressure at the yellow coupling must be between 5 and 8 bar.

Excessive pressure at the yellow coupling may damage the trailer braking system.



On the trailer parking-brake valve:

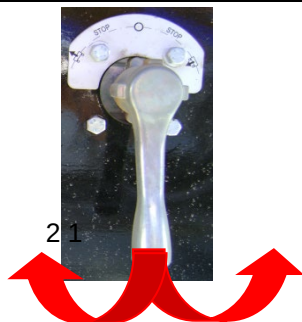
The red button (2) is the parking brake and can be pulled when required to apply the brake.

The black button (3) is the release brake and, when the trailer is disconnected from the tractor, allows the emergency brakes to be released.



Pull the parking-brake button when the trailer is parked. Use the release brake only when necessary.

Do not use the release brake when the trailer is on a slope.



The trailer height-control valve is used to lower or raise the trailer when required.

Turning the lever toward (1) lowers the trailer; turning it toward (2) raises the trailer.

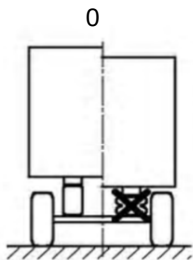
Position (0) is the driving position. When the trailer is moving or parked, the lever must be in position (0).



Driving with the lever in position (1) or (2) may cause accidents, malfunctions and damage.



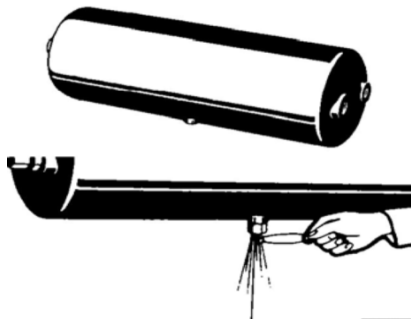
If the trailer ABS warning lamp illuminates in the tractor, visit an authorized SECSAN service center as soon as possible.



Water accumulated in the trailer air tanks must be drained.

Water is discharged by pressing the drain valve located at the bottom of the tank.

Continue draining until no water remains in the tank.



Depending on the tractor, tank pressure is between 6.5 and 8 bar.

If air-tank pressure falls below 3 bar, the brakes are applied.



Do not alter the setting of the restriction valve on the brake air tank.

Do not fill the brake air system with any liquid.

ABS / EBS SOCKET

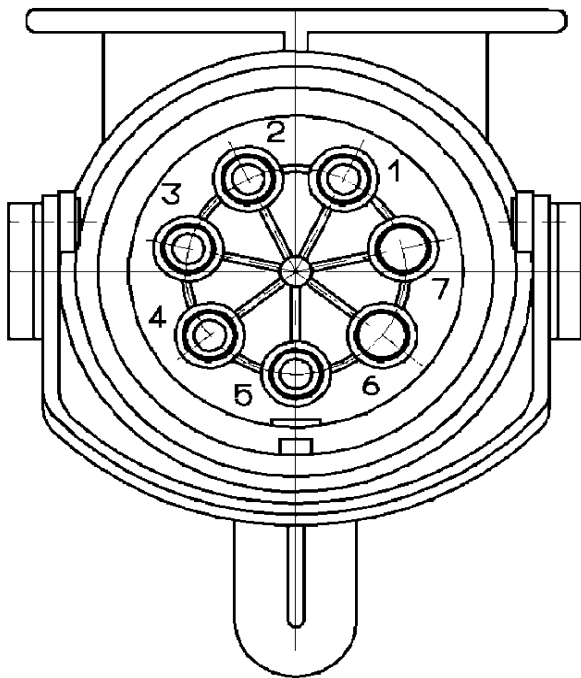


The trailer ABS/EBS system operates on 24 V electrical power supplied by the tractor; therefore,

a break in the cable between tractor and trailer, or excessively high/low voltage, may prevent the ABS/EBS

system from operating. If electrical cables in the braking system are damaged,

they must not be repaired; they must be replaced with new cables.



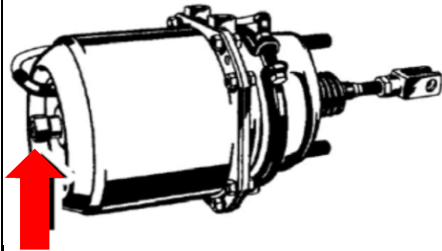
PIN	COLOR	FUNCTION
1	Red	(+) Modulator Main Supply
2	Red - White	(+) ECU Ignition Supply
3	Brown - Blue	(-) ECU Ground
4	Brown	(-) Modulator Ground
5	Yellow - Blue	ABS Warning Lamp
6	White - Green	Communication (High)
7	White - Brown	Communication (Low)

The labels on your trailer axles contain the axle information you may need.

When loading, do not exceed the axle capacity stated on the label. Timely periodic maintenance is essential for long axle service life.



After taking delivery of your trailer, check tyre pressures before loading and check wheel-nut tightness after the first 100 km.

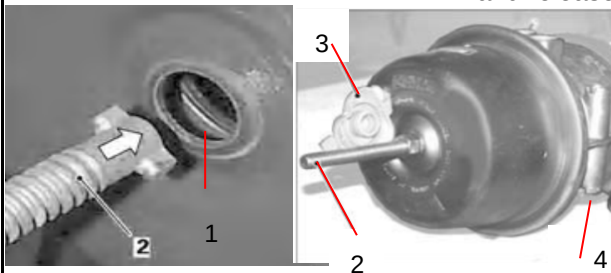


Emergency release of the emergency brake:

In an air-pressure braking system, brakes that lock when air pressure drops can be released by relieving the preload spring inside the brake chamber.

Type G Spring Tristop Brake Chamber:

Loosening the bolt at the rear center of the chamber relieves tension from the loaded spring and releases the brakes.



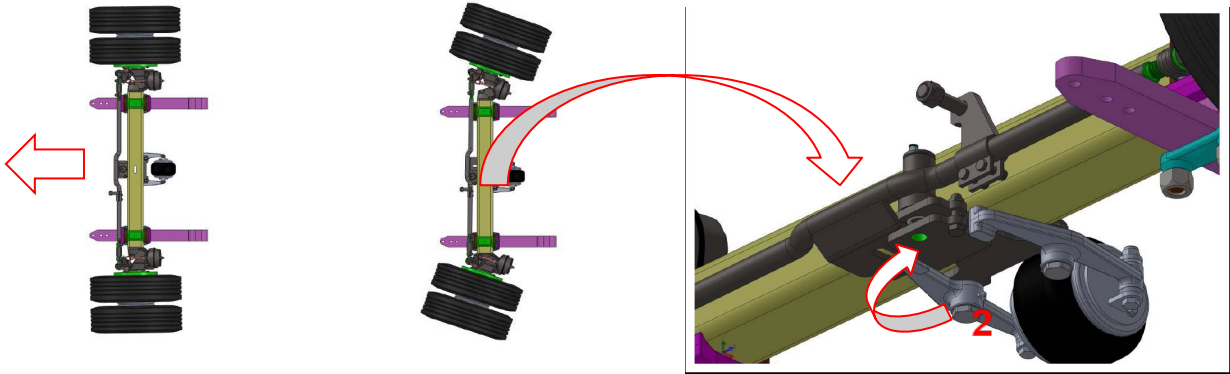
Tighten until the release bolt moves outward. (2)



Before air is supplied to the brake chamber again, release the spring and return it to its original position.



Operating self-steering axles on LOW-BED semi-trailers: (1) When travelling forward, the self-steering axle control switch must be ON. When reversing, the tractor-trailer connection cables must be connected. If the reversing buzzer and reverse lamp operate, the parallel-connected self-steering locking valve activates and the axles lock for reversing. If they do not lock, the cables connecting the tractor and trailer may be disconnected or faulty. (2) Pull the manual locking valve on the control panel; otherwise the axles may be damaged (broken).



Your trailer electrical system operates at 24 V. There are two types of connection between the tractor and trailer: 7-pin and 15-pin.

The trailer electrical circuit is protected against water ingress. Do not interfere with junction boxes, sockets or cables without SECSAN approval.

There is no fuse on the trailer electrical system. In the event of a fault, first check the fuses in the tractor.



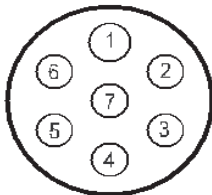
Any modification to the electrical system without SECSAN approval voids the warranty.



When replacing a fuse, use one with the same amperage. If the fuse blows again, contact an authorized SECSAN service center. Using a higher-amperage fuse may damage the vehicle.

7-Pin Connection

ISO 1185



PIN	COLOR
1	White
2	Black
3	Yellow
4	Red
5	Green
6	Brown
7	Unused

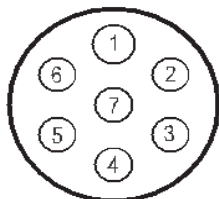
FUNCTION

Ground
Left marker lamp
Left turn signal lamp

Brake lamp

Right marker lamp
Right turn signal lamp

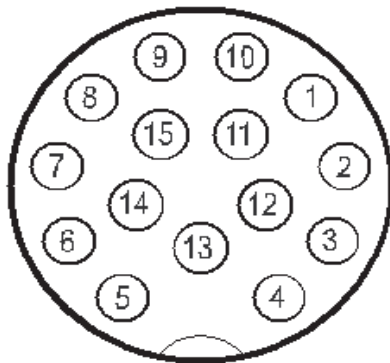
ISO 3731



PIN	COLOR	FUNCTION
1	White	Ground
2	White - Black	
3	Pink	Reverse lamp (self-steering lock parallel connection)
4	Orange	Continuous power
5	Green - Yellow	
6	White - Blue	Lift axle
7	Blue	Fog lamp

15-Pin Connection

ISO 12098



PIN	COLOR	FUNCTION
1	Yellow	Left turn signal lamp
2	Green	Right turn signal lamp
3	Blue	Fog lamp
4	White	Ground
5	Black	Left marker lamp
6	Brown	Right marker lamp
7	Red	Brake lamp
8	Pink	Reverse lamp
9	Orange	Continuous power
10	Green - Yellow	
11	White - Black	
12	White - Blue	Lift axle
13	White - Red	Communication Line - Ground
14	White - Green	Communication Line - High
15	White - Brown	Communication Line - Low

2. WARRANTY

SEÇSAN provides a 12-month warranty for the vehicles it manufactures, starting from the date of delivery to the customer.

For the warranty to remain valid, vehicle maintenance must be performed on time at authorized SEÇSAN service centers, and the user must comply with the conditions and warnings in this manual.

Maintenance performed by service centers must be recorded in this manual. Damage and malfunctions arising from the following conditions are excluded from warranty. Wear parts such as brake pads and discs are not covered by warranty.

1. Maintenance not performed on time at an authorized SEÇSAN service center using original parts,
2. Vehicle not operated in accordance with the conditions stated in this manual,
3. Damage or failures caused by overloading or exceeding axle load capacity,
4. Damage or failures originating from the tractor (incorrect brake/air pressure, electrical current or connections, unsuitable tractor dimensions, etc.),
5. Damage or failures caused by the user,
6. Damage or failures caused by road conditions,
7. Damage or failures caused by unsuitable cargo,
8. Modifications to the chassis, superstructure, electrical installation or braking system without written approval from SEÇSAN,
9. Failure by the customer to comply with the terms of the contract with SEÇSAN,
10. Failure by the user to contact SEÇSAN on the date the damage or failure occurred,

will result in the vehicle being excluded from warranty coverage.

3. MAINTENANCE AND INSPECTIONS

	MAINTENANCE AND INSPECTIONS TO BE PERFORMED BY THE USER	After 50 km	After 500 km	After 5,000 km	Every 5,000 km
1.	Check wheel-nut tightness	x	x	x	x
2.	Check tightness of axle bolts		x	x	x
3.	Check tyre pressures		x	x	x
4.	Check brake system for air leaks			x	x
5.	Check suspension system for air leaks			x	x
6.	Check lighting and warning lamps			x	x
7.	Lubricate moving parts (S-cam, etc.)			x	x
8.	Check king pin wear and tightness			x	x
9.	Visual inspection of brake pads			x	x
10.	Visual inspection of brake disc			x	x
11.	Check air tank			x	x
12.	Check superstructure mounting bolts		x	x	x
13.	Check hydraulic system for leaks		x	x	x
14.	Check line filters			x	x
15.	Lubricate S-cam bearings			x	x
16.	Lubricate brake slack adjusters			x	x

4. TORQUE VALUES

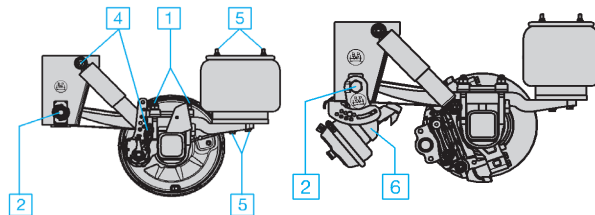
		TORQUE (Nm)	
Size (Metric thread)		8.8	10.9
M 5		5.5	8.1
M 6		9.6	14
M 8		23	34
M 8x1		25	37
M 10		46	67
M 10x1,25		49	71
M	M 12	79	115
M	M 12x1.5	83	120
M	M 14	125	185
M	M 14x1.5	135	200
M	M 16	195	290
M	M 16x1.5	210	310
M	M 18	300	430
M	M 18x1.5	340	485

		TORQUE (Nm)	
Size (Metric thread)		8.8	10.9
M 20		425	610
M	M 20x1.5	475	680
M	M 22	580	820
M	M 22x1.5	630	900
M 24		730	1050
M 24x2		800	1150
M 27		1100	1550
M 27x2		1150	1650
M 30		1400	2000
M 30x2		1500	2150
M 36		2450	3500
M 36x2		2650	3780
M 42		3930	5600
M 42x2		4280	6050

5. PERIODIC MAINTENANCE

	MAINTENANCE	INTERVAL	DESCRIPTION
1.	Initial Maintenance	2,000 km	After the first loaded trip or within the first 2,000 km
2.	Preventive Maintenance 1	60,000 km / 6 months	At 60,000 km or 6 months, whichever comes first
3.	Preventive Maintenance 2	120,000 km / 12 months	At 120,000 km or 12 months, whichever comes first
4.	Preventive Maintenance 3	180,000 km / 24 months	At 180,000 km or 24 months, whichever comes first
5.	Preventive Maintenance 4	240,000 km / 36 months	At 240,000 km or 36 months, whichever comes first
6.	Preventive Maintenance 5	300,000 km / 48 months	At 300,000 km or 48 months, whichever comes first
7.	Preventive Maintenance 6		Software Update System

FOR BPW AXLES

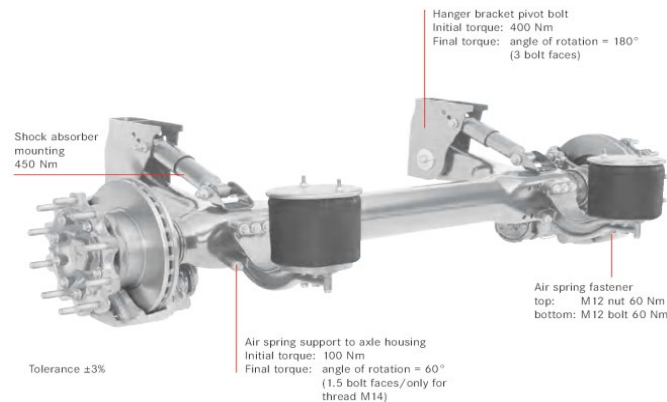


1 M22 550NM

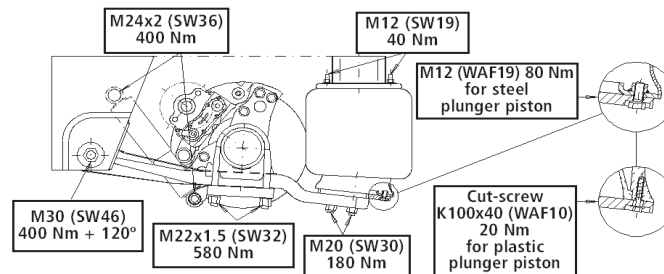
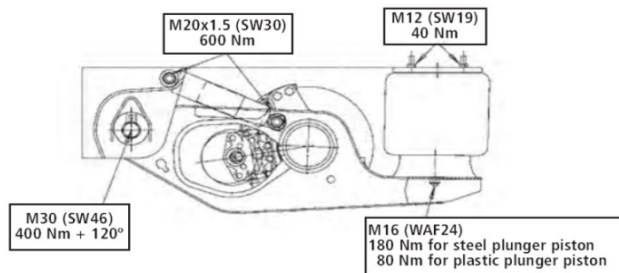
1 M22 650NM

2 M24 650NM 5
M12 66NM 5 M16
230NM 6 M16
210NM

FOR DC (BENZ) AXLES



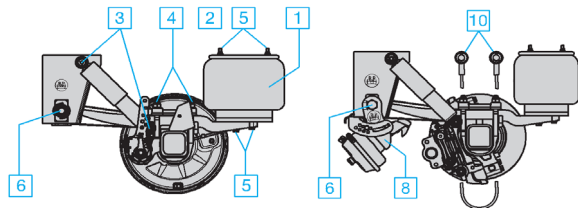
FOR SAF AXLES



Initial Maintenance

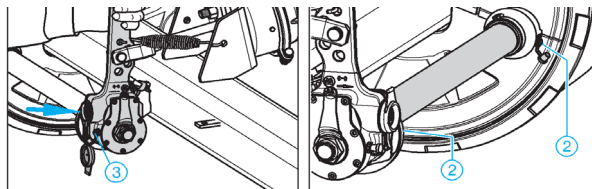
		Trailer KM			Chassis Number
		Driver Name			Trailer Plate
		Date			Tractor Plate
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
				Check trailer/tractor air coupling sockets for leaks	
		Complete Vehicle		Drain water from air tanks	
		King Pin			
	Function / damage check	Lighting			
		Superstructure		Check and adjust the ALB regulator if required	
				Visual inspection of air springs	
	Function check	Landing Gear			
				Check brakes with test equipment	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics			DISC BRAKES
		Service Name		Check function of automatic slack adjusters	DRUM BRAKES
		Location			
		Responsible Person			
		Stamp - Signature			
		NOTES			
					AXLES
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	ELECTRICAL

FOR BPW AXLES



1 M22 550Nm 1 M22
650Nm 2 M24 650Nm
3 M24 420Nm 4 M22
550Nm 4 M24 650Nm
5 M12 66NM 5 M16
230NM 6-8 M16
210NM

LUBRICATION

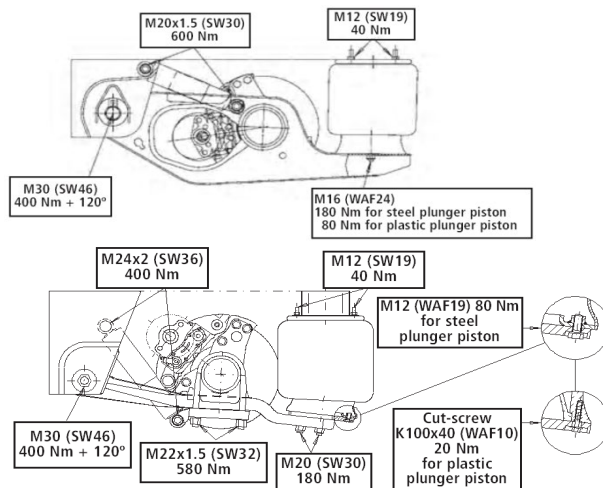


2 BPW - SAF - DC Lubricate with grease

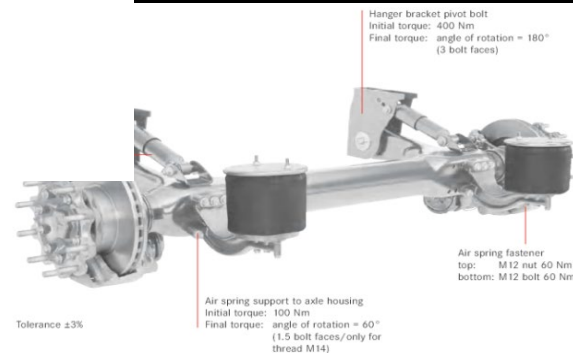
3 BPW - SAF - DC Lubricate with grease

Preventive Maintenance 1

FOR SAF AXLES



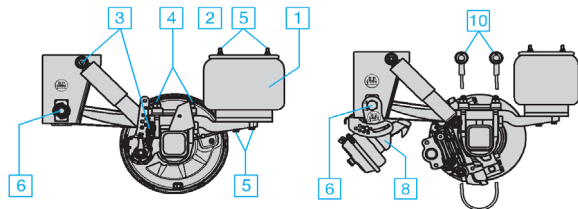
FOR DC (BENZ) AXLES



Preventive Maintenance 1

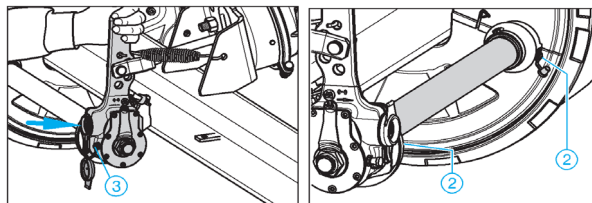
		Trailer KM			Chassis Number
		Driver Name			Trailer Plate
		Date			Tractor Plate
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (hub)	
	Tighten bolted connections	Superstructure		Check and adjust the ALB regulator if required	
	Lubricate moving parts			Visual inspection of air springs	
	Function check	Landing Gear		Check parking-brake function	
	Check connections			Check brakes with test equipment	
	Lubrication			Check brake caliper guides	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	DISC BRAKES
		Service Name			DRUM BRAKES
		Location			
		Responsible Person			
		Stamp - Signature			
		NOTES			
				Check function of automatic slack adjusters	AXLES
				Lubricate automatic slack adjusters	
				Check brake camshaft bearings	
				Lubricate brake camshaft	
				Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	ELECTRICAL
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	

FOR BPW AXLES



1 M22 550Nm 1 M22
650Nm 2 M24 650Nm
3 M24 420Nm 4 M22
550Nm 4 M24 650Nm
5 M12 66NM 5 M16
230NM 6-8 M16
210NM

LUBRICATION

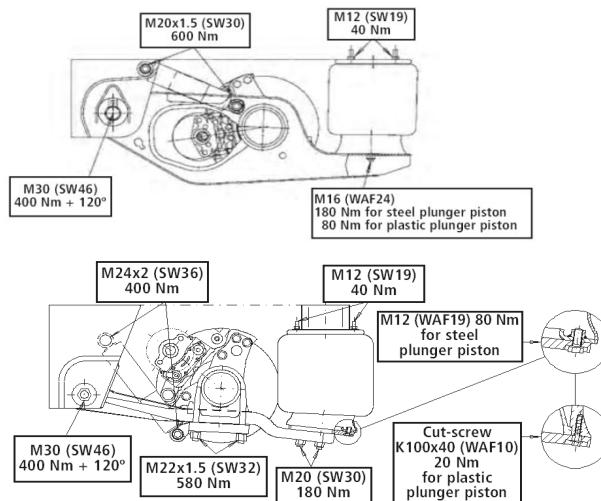


2 BPW - SAF - DC Lubricate with grease

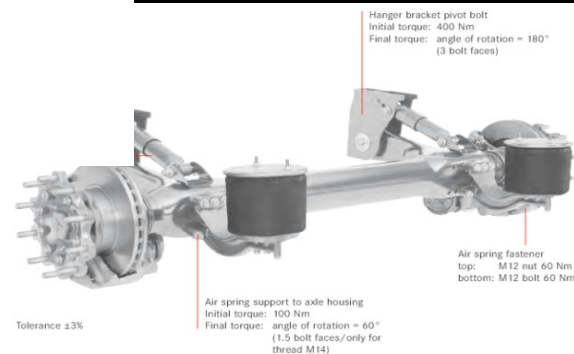
3 BPW - SAF - DC Lubricate with grease

Preventive Maintenance 2

FOR SAF AXLES



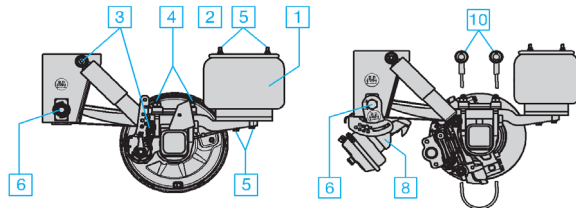
FOR DC (BENZ) AXLES



Preventive Maintenance 2

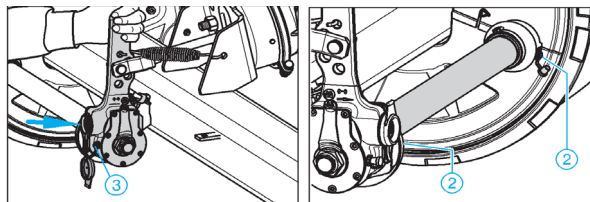
		Trailer KM			Chassis Number
		Driver Name			Trailer Plate
		Date			Tractor Plate
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (hub)	
	Tighten bolted connections	Superstructure		Check and adjust the ALB regulator if required	
	Lubricate moving parts			Visual inspection of air springs	
	Function check			Check parking-brake function	
	Check connections	Landing Gear		Check brakes with test equipment	
	Lubrication			Check brake caliper guides	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	DISC BRAKES
		Service Name		Check function of automatic slack adjusters	DRUM BRAKES
		Location		Lubricate automatic slack adjusters	
		Responsible Person		Check brake camshaft bearings	
		Stamp - Signature		Lubricate brake camshaft	
		NOTES		Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	AXLES
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	ELECTRICAL

FOR BPW AXLES



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550Nm 4 M24 650Nm
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230NM 6-8 M16
210NM

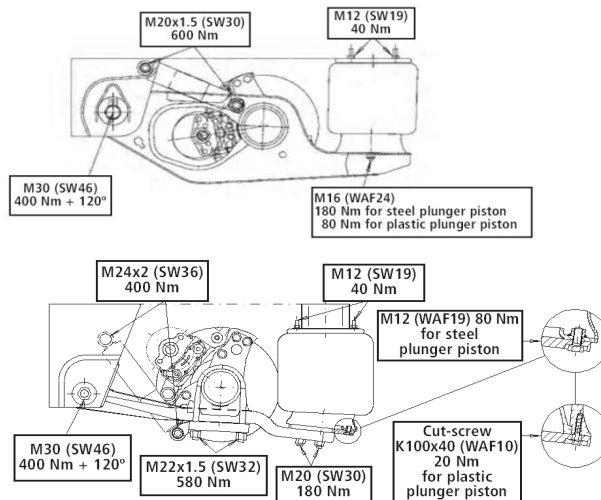
LUBRICATION



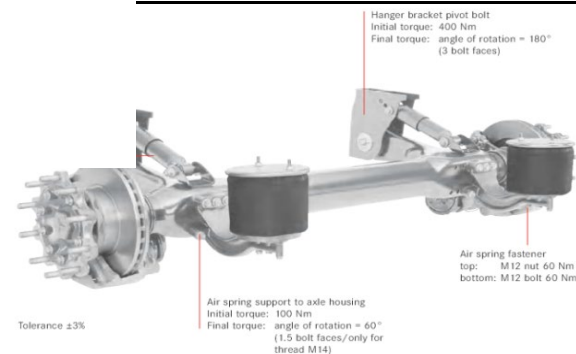
2 BPW - SAF - DC Lubricate with grease

3 BPW - SAF - DC Lubricate with grease

FOR SAF AXLES



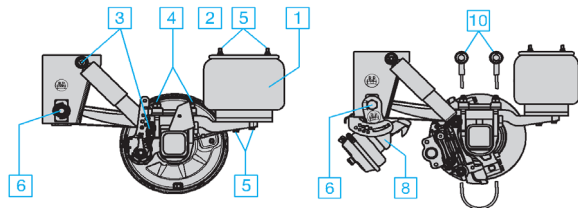
FOR DC (BENZ) AXLES



Preventive Maintenance 3

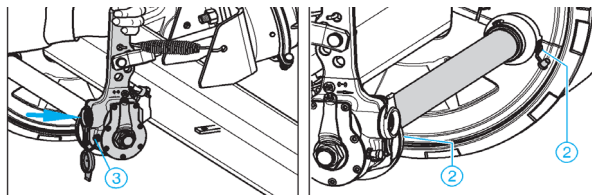
		Trailer KM			Chassis Number
		Driver Name		Trailer Plate	
		Date		Tractor Plate	
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (hub)	
	Tighten bolted connections	Superstructure		Check and adjust the ALB regulator if required	
	Lubricate moving parts			Visual inspection of air springs	
	Function check			Check parking-brake function	
	Check connections	Landing Gear		Check brakes with test equipment	
	Lubrication			Check brake caliper guides	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	DISC BRAKES
		Service Name		Check function of automatic slack adjusters	
		Location		Lubricate automatic slack adjusters	
		Responsible Person		Check brake camshaft bearings	
		Stamp - Signature		Lubricate brake camshaft	
		NOTES		Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	AXLES
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	ELECTRICAL

FOR BPW AXLES



1 M22 550Nm 1 M22
650Nm 2 M24 650Nm
3 M24 420Nm 4 M22
550Nm 4 M24 650Nm
5 M12 66NM 5 M16
230NM 6-8 M16
210NM

LUBRICATION

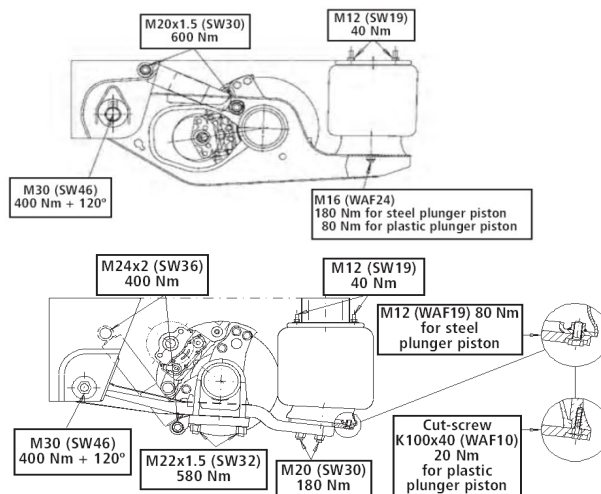


2 BPW - SAF - DC Lubricate with grease

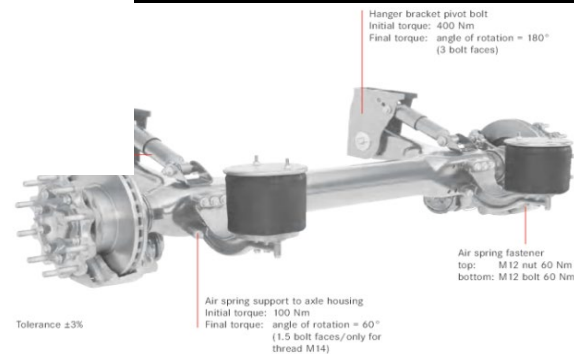
3 BPW - SAF - DC Lubricate with grease

Preventive Maintenance 4

FOR SAF AXLES



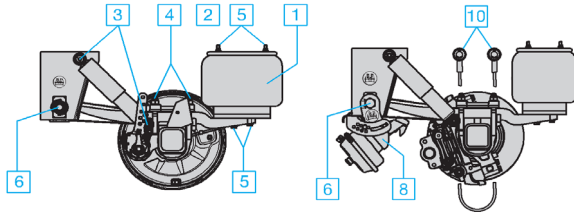
FOR DC (BENZ) AXLES



Preventive Maintenance 4

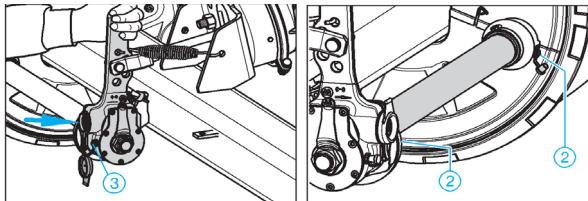
		Trailer KM			Chassis Number
		Driver Name			Trailer Plate
		Date			Tractor Plate
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (hub); renew grease and seals	
	Tighten bolted connections	Superstructure		Check and adjust the ALB regulator if required	
	Lubricate moving parts			Visual inspection of air springs	
	Function check			Check parking-brake function	
	Check connections	Landing Gear		Check brakes with test equipment	
	Lubrication			Check brake caliper guides	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	DISC BRAKES
		Service Name		Check function of automatic slack adjusters	DRUM BRAKES
		Location		Lubricate automatic slack adjusters	
		Responsible Person		Check brake camshaft bearings	
		Stamp - Signature		Lubricate brake camshaft	
		NOTES		Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	AXLES
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	ELECTRICAL

FOR BPW AXLES



1 M22 550Nm 1 M22
650Nm 2 M24 650Nm
3 M24 420Nm 4 M22
550Nm 4 M24 650Nm
5 M12 66NM 5 M16
230NM 6-8 M16
210NM

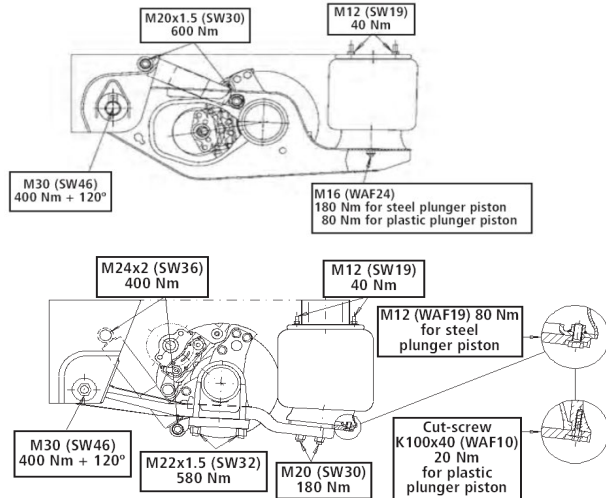
LUBRICATION



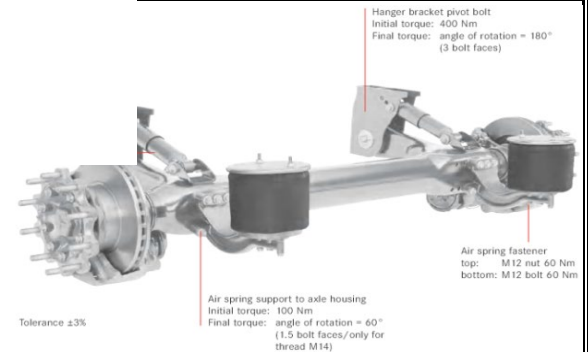
2 BPW - SAF - DC Lubricate with grease

3 BPW - SAF - DC Lubricate with grease

FOR SAF AXLES



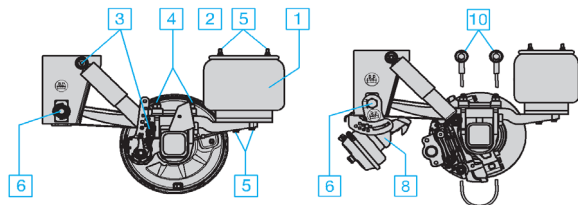
FOR DC (BENZ) AXLES



Preventive Maintenance 5

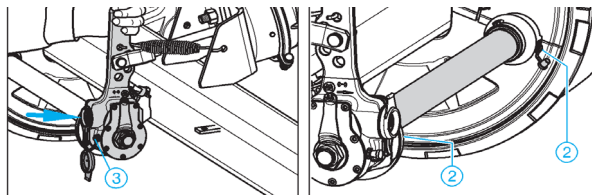
		Trailer KM			Chassis Number
		Driver Name		Trailer Plate	
		Date		Tractor Plate	
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (hub)	
	Tighten bolted connections	Superstructure		Check the ALB regulator	
	Lubricate moving parts			Visual inspection of air springs	
	Function check	Landing Gear		Check parking-brake function	
	Check connections			Check brakes with test equipment	
	Lubrication			Check and lubricate brake caliper guides; renew dust boots	DISC BRAKES
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	
		Service Name		Check function of automatic slack adjusters	
		Location		Lubricate automatic slack adjusters	
		Responsible Person		Check brake camshaft bearings	
		Stamp - Signature		Lubricate brake camshaft	
		NOTES		Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	AXLES
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	ELECTRICAL

FOR BPW AXLES



1 M22 550Nm 1 M22
650Nm 2 M24 650Nm
3 M24 420Nm 4 M22
550Nm 4 M24 650Nm
5 M12 66NM 5 M16
230NM 6-8 M16
210NM

LUBRICATION

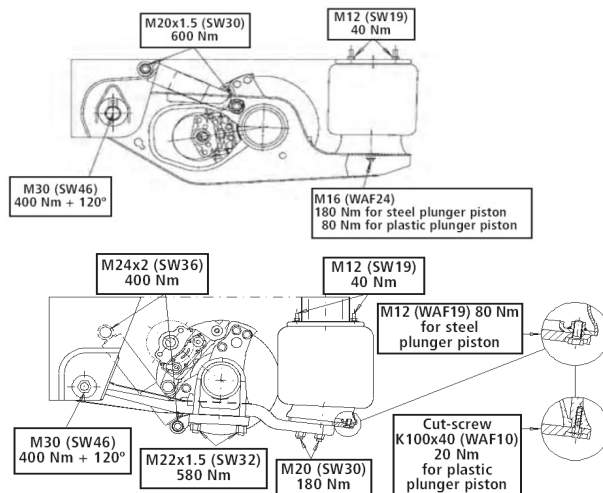


2 BPW - SAF - DC Lubricate with grease

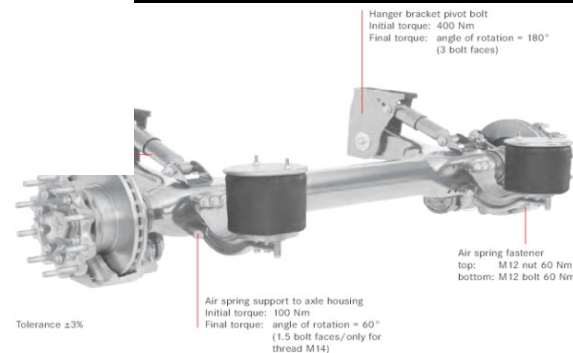
3 BPW - SAF - DC Lubricate with grease

Preventive Maintenance 6

FOR SAF AXLES



FOR DC (BENZ) AXLES



Preventive Maintenance 6

		Trailer KM			Chassis Number
		Driver Name			Trailer Plate
		Date			Tractor Plate
OK	MAINTENANCE	GROUP	OK	MAINTENANCE	GROUP
	Check and tighten wheel nuts	Tyres		Check air system for leaks	BRAKES
	Check tyre air pressure			Check trailer/tractor air coupling sockets for leaks	
	Check connections of vehicle-mounted accessories	Complete Vehicle		Drain water from air tanks	
	Check connections and wear	King Pin		Check brake chamber connections	
	Function / damage check	Lighting		Check axle bearings (complete hub for DC axles); renew grease and seals	
	Tighten bolted connections	Superstructure		Renew brake-chamber hoses	
	Lubricate moving parts			Renew air springs	
	Function check	Landing Gear		Check parking-brake function	
	Check connections			Check brakes with test equipment	
	Lubrication			Check brake caliper guides	
	If fitted, check hydraulic pipes, hoses and fittings for leaks	Hydraulics		Check wear of brake discs and pads (Pad thickness: mm, brake disc thickness: mm)	DISC BRAKES
		Service Name			DRUM BRAKES
		Location			
		Responsible Person			
		Stamp - Signature			
		NOTES			
				Check function of automatic slack adjusters	AXLES
				Lubricate automatic slack adjusters	
				Check brake camshaft bearings	
				Lubricate brake camshaft	
				Check wear of brake drums and linings (Lining thickness: mm, drum thickness: mm)	
				Check shock absorbers for leaks	ELECTRICAL
				Check shock absorber mountings and connections	
				Check axle mounting bolts	
				Check axle lift (if fitted)	
				Check brake-system electrical cables	

Preventive Maintenance 7

- 1.** Software updates for safety-critical electronic systems in your vehicle (Brake ECU/EBS, TPMS, Axle Control Module, etc.) must only be performed by authorized service centers using Original Diagnostic (Fault Detection/Diagnostic) Devices and approved parameter files.
- 2.** Software Version Check: During periodic maintenance, the service technician must check the ECU software versions on the vehicle and verify that the current approved version is installed.
- 3.** Unauthorized Intervention: Third-party software installations, ECU parameter changes or chiptuning applications not approved by the manufacturer adversely affect the vehicle's braking and safety performance, void the warranty and invalidate SUMS verifiability.