

11 Spares, Operating Materials, Service

11.1 Note the nameplate

The nameplate contains all information to identify your machine. This information is essential to us in order to provide you with optimal service.

- Please give the information from the nameplate with every inquiry and order for spares.

11.2 Ordering consumable parts and operating fluids/materials

KAESER consumable parts and operating materials are original KAESER products. They are specifically selected for use in our machines and ensure trouble-free operation.

Unsuitable or poor quality consumable parts and operating fluids/materials may damage the machine or impair its proper function.

Personal injury may result from machine damage.

⚠ WARNING

There is risk of personal injury or damage to the machine resulting from the use of unsuitable spares or operating fluids/materials.

- Use only original KAESER parts and operating fluids/materials.
- Do not use alternative consumable parts and operating fluids and materials.

Compressor

Name	Quantity	Number
Air filter element	1	1260
Oil filter	1	1210
Oil separator cartridge set	1	1450
Cooling oil	1	1600

Tab. 68 Compressor spare parts

KUBOTA engine parts

Name	Quantity	Number
Air filter element	1	1280
Fuel prefilter insert	1	1915
Main fuel filter cartridge	1	1920
Oil filter cartridge	1	1905
Oil drain plug sealing ring	1	4496
Injector nozzle	1	4475
Injector sealing ring	1	4476
V-belt	1	4470
Engine oil	1	1925

Tab. 69 Engine spare parts

11.3 KAESER AIR SERVICE

KAESER AIR SERVICE offers:

- Authorized service technicians with KAESER factory training.
- Increased operational reliability ensured by preventive maintenance.
- Energy savings achieved by avoidance of pressure losses.
- The security of genuine KAESER spare parts.
- Increased legal certainty as all regulations are kept to.

➤ Why not sign a KAESER AIR SERVICE maintenance agreement.

The advantages:

Lower costs and higher compressed air availability.

11.4 Service Addresses

Addresses of KAESER representatives are given at the end of this manual.

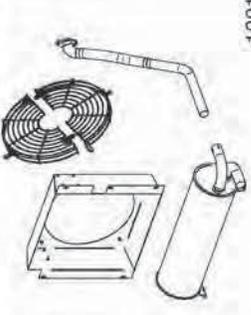
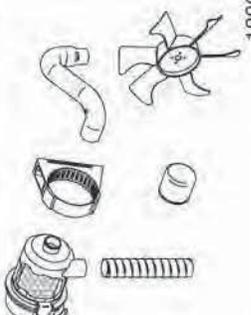
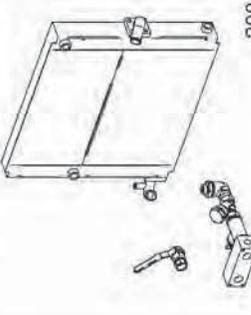
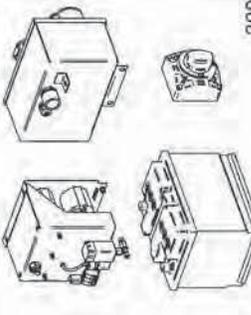
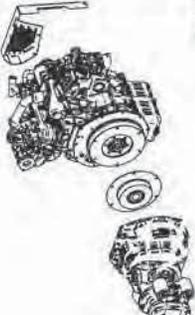
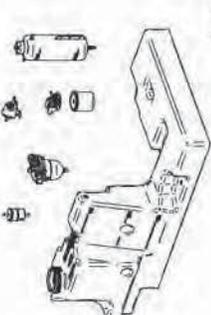
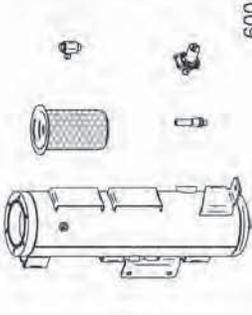
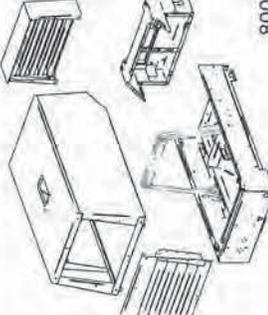
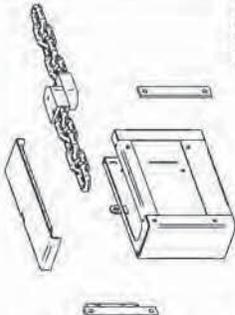
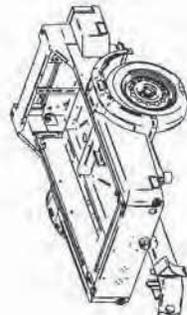
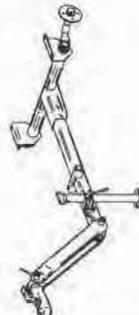
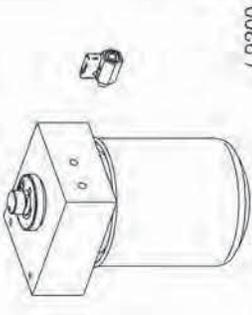
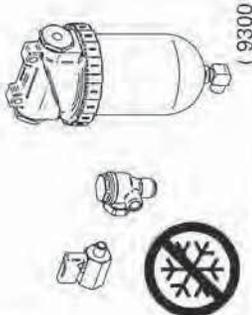
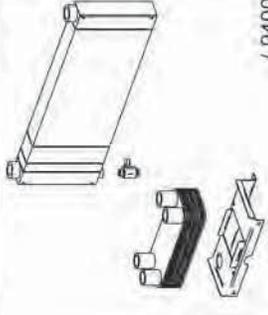
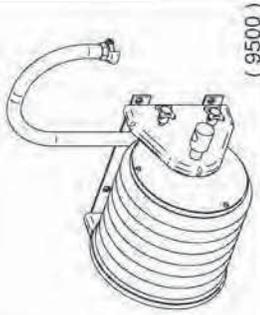
11.5 Spares for service and repair

Use this parts list to plan your material requirements according to operating conditions and order the required spare parts.



- Make sure that any service or repair tasks not described in this manual are carried out by an authorized KAESER service representative.

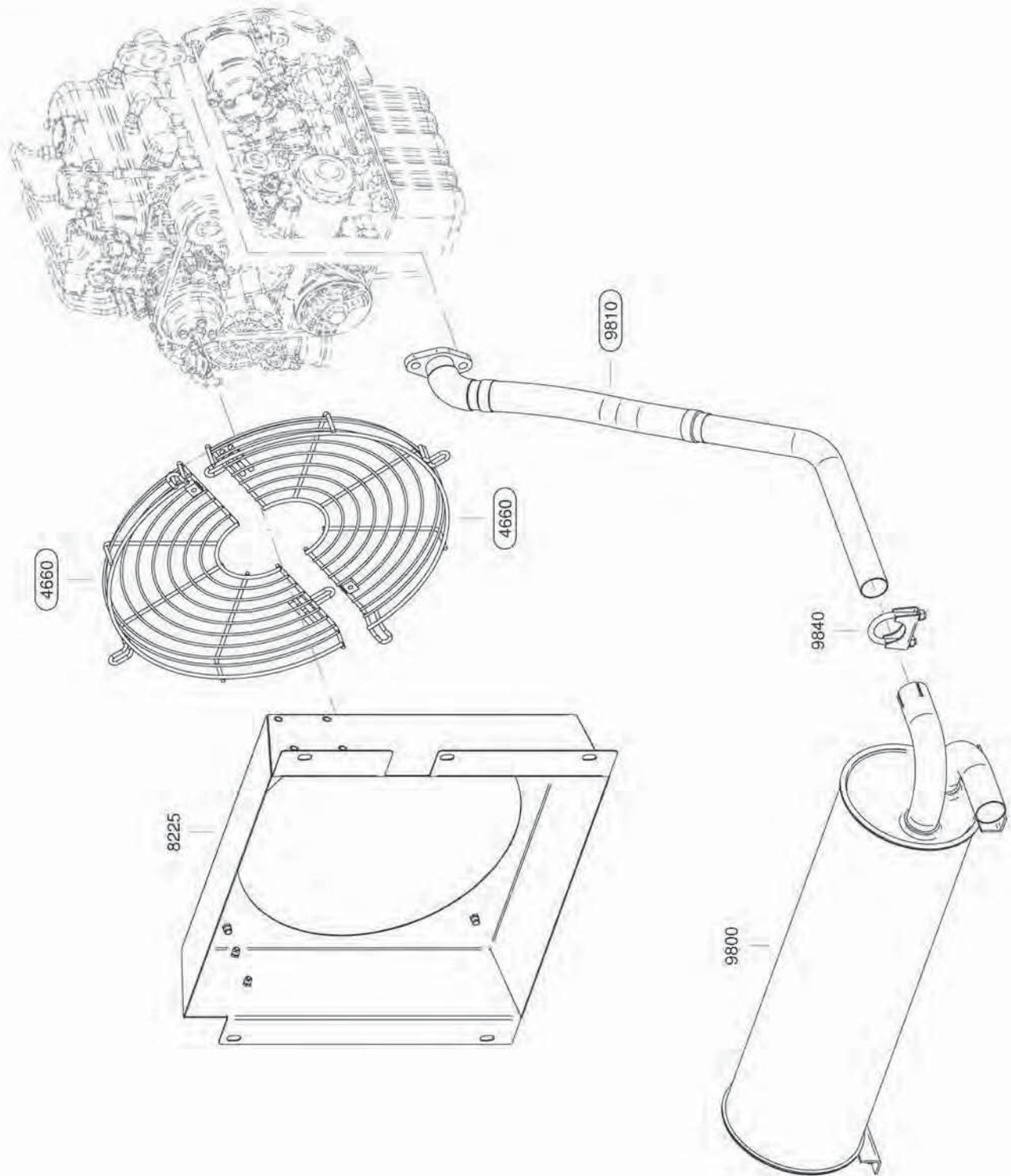
Service-Kit
(Option)

 <p>1001</p>	 <p>1006</p>	 <p>2001</p>	 <p>3001</p>
 <p>4001</p>	 <p>5001</p>	 <p>6001</p>	 <p>8000</p>
 <p>(8650)</p>	 <p>8800</p>	 <p>8900</p>	 <p>(9100)</p>
 <p>(9200)</p>	 <p>(9300)</p>	 <p>(9370)</p>	 <p>(9400)</p>
 <p>(9500)</p>			

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Service-Kit
(Option)

SEG-3469_01



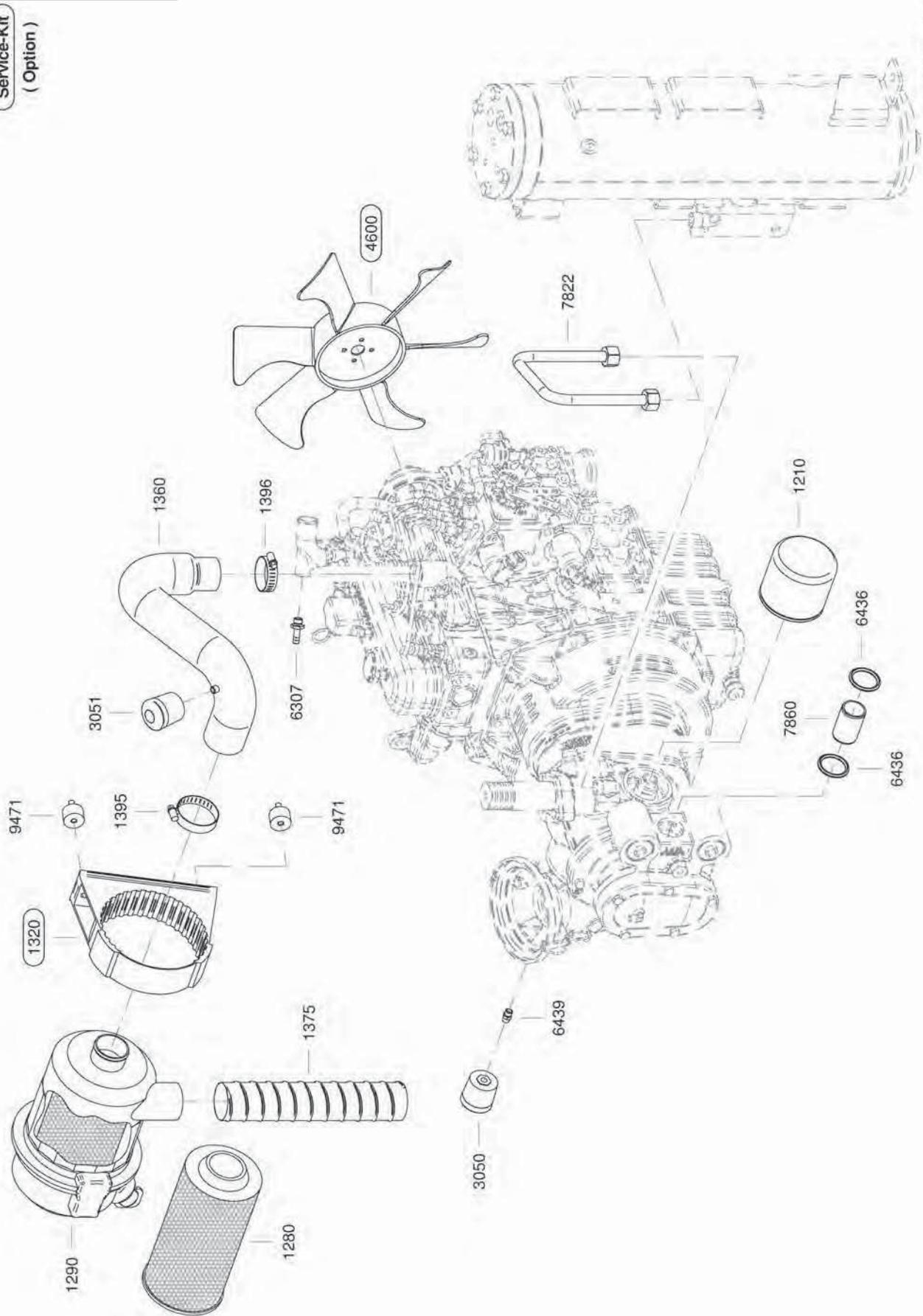
Legend	KAESER
Inlet air/Cooling air/Exhaust	SEL-2598_01E

Item	Description	Option
4660	Fan cover	
8225	Fan casing	
9800	Exhaust silencer	
9810	Engine exhaust pipe	
9840	Exhaust pipe clamp	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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		Legend	KAESER
		Airend/Engine	SEL-2600_01E
Item	Description	Option	
1210	Compressor oil filter		
1280	Engine air filter element		
1290	Engine air filter with housing		
1320	Air filter holder, engine		
1360	Engine air intake hose		
1375	Mot. air filt. supply air hose		
1395	Hose clamp		
1396	Hose clamp		
3050	Air filter maint. indicator		
3051	Air filter maint. indicator		
4600	Engine fan		
6307	Hose connection.		
6436	Gasket		
6439	Screw-in connector		
7822	Oil pipe		
7860	Pressure pipe		
9471	Rubber pad		

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Legend	KAESER
Oil circuit/Comprsd.air outlet	SEL-2602_01E

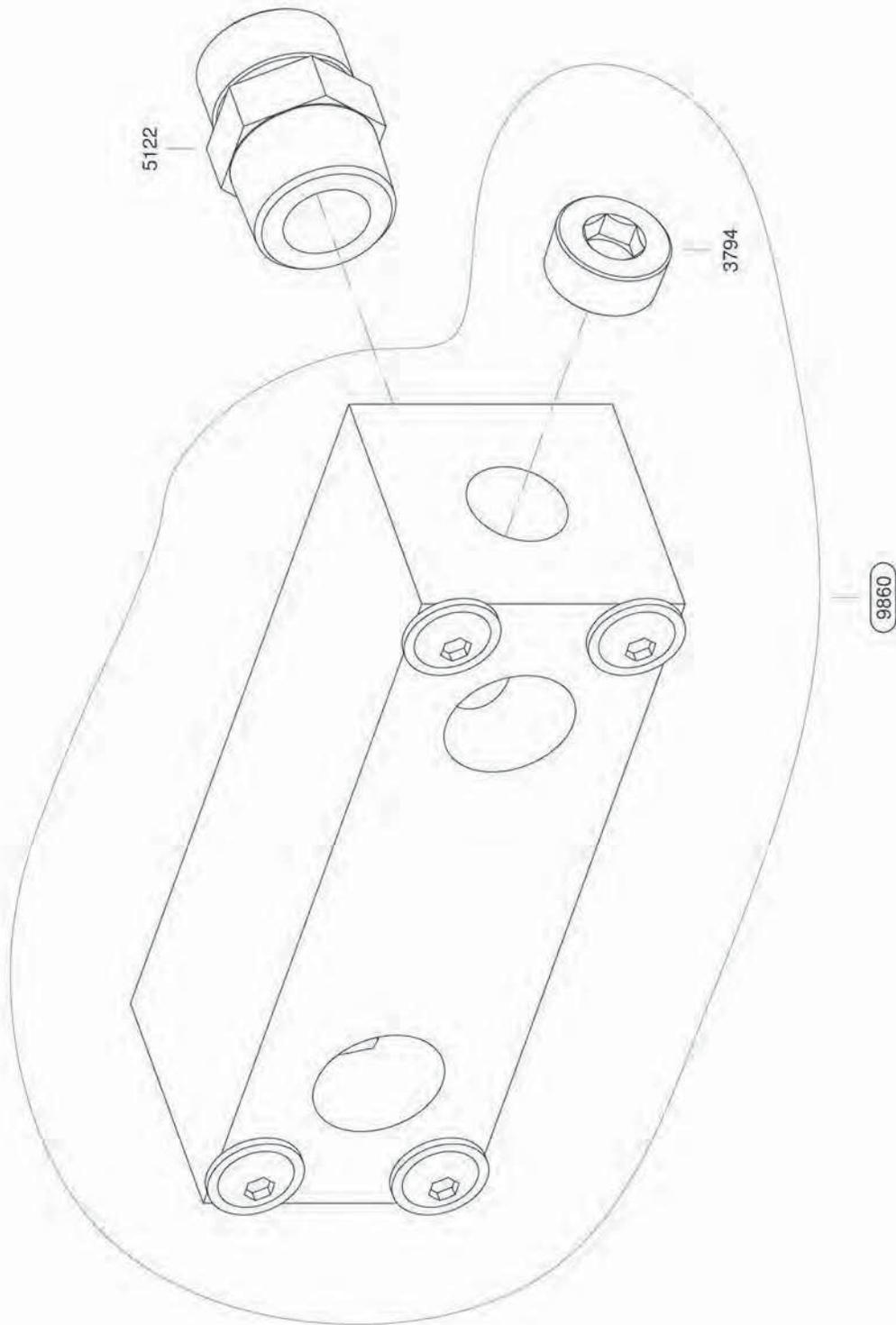
Item	Description	Option
3781	Closing plug	
5050	Radiator	
5124	Double nipple	
5139	Elbow fitting	
5163	Elbow fitting	
7110	Hose line	
7350	Control line kit	
7827	Oil pipe	
7828	Oil pipe	
7892	Pipe clamp	
9600	Air distribution	
9867	Gasket	
9870	Outlet valve	
9872	Claw coupling	X
9873	Adapter	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3475_01



Legend	KAESER
Air distribution	SEL-2604_01E

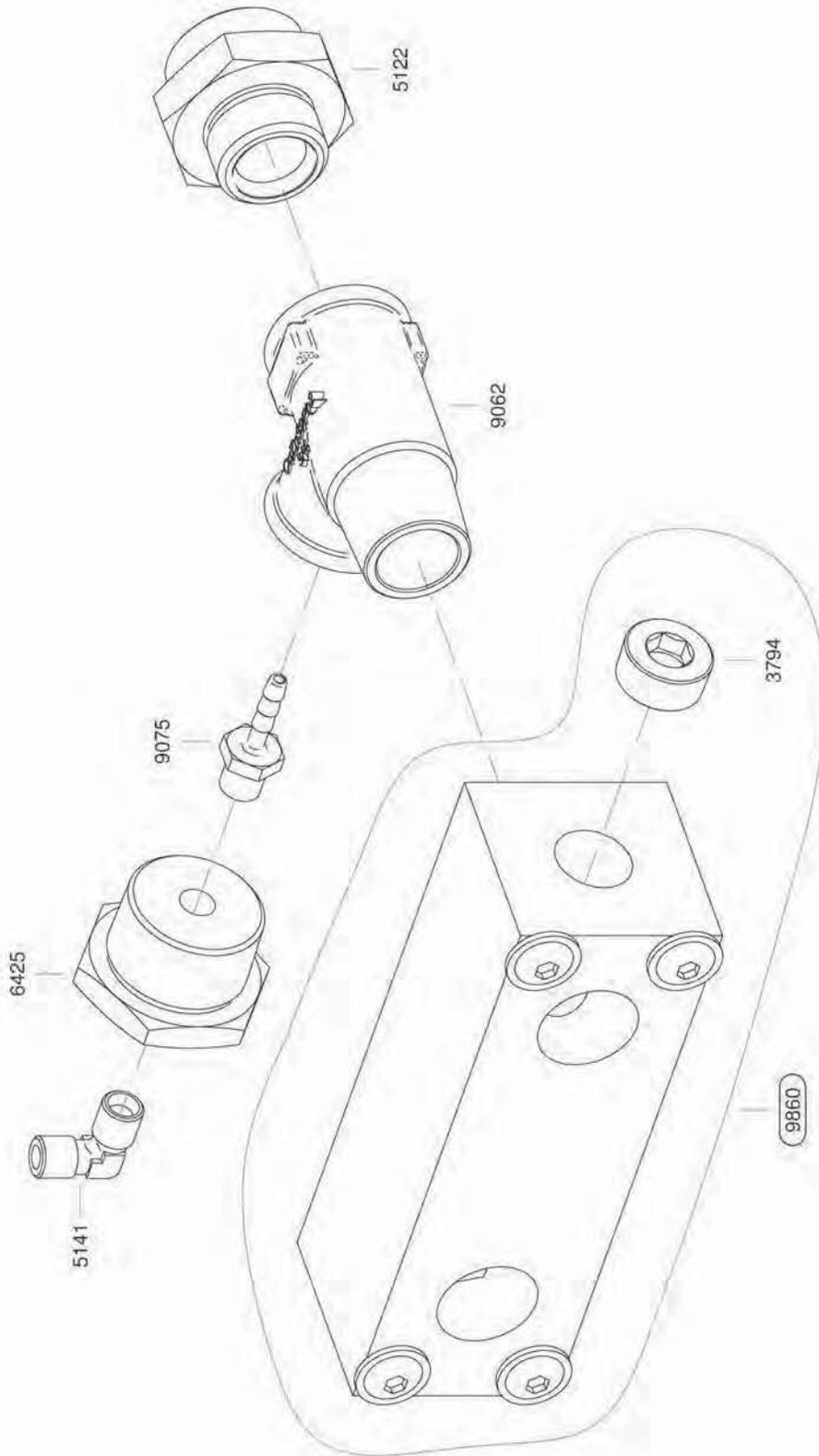
Item	Description	Option
3794	Plug	
5122	Double nipple	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3476_01



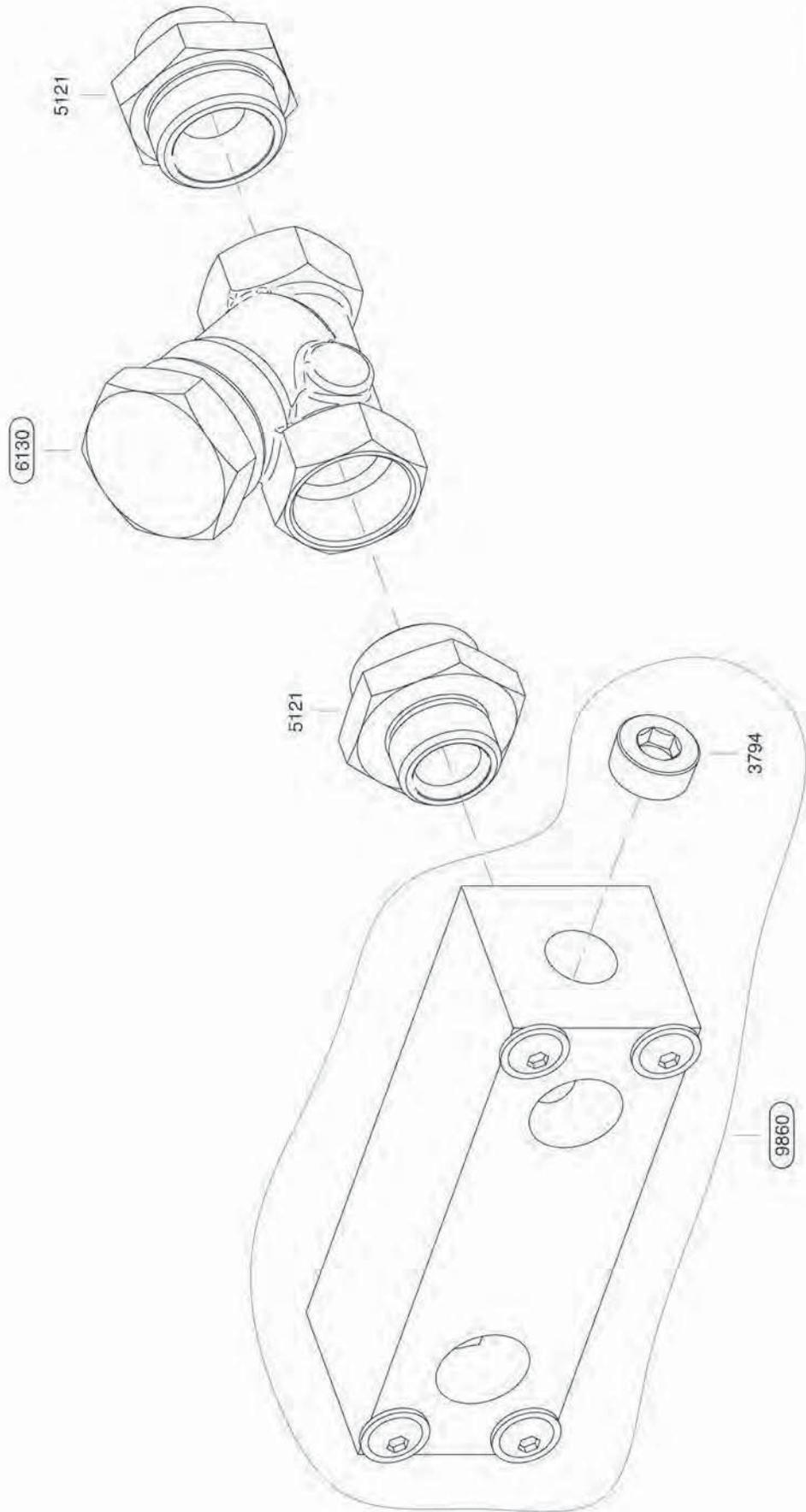
Legend	KAESER
Air distribution	SEL-2605_01E

Item	Description	Option
3794	Plug	
5122	Double nipple	
5141	Elbow fitting	
6425	Reducer	
9062	T-pieces	
9075	Male hose fitting	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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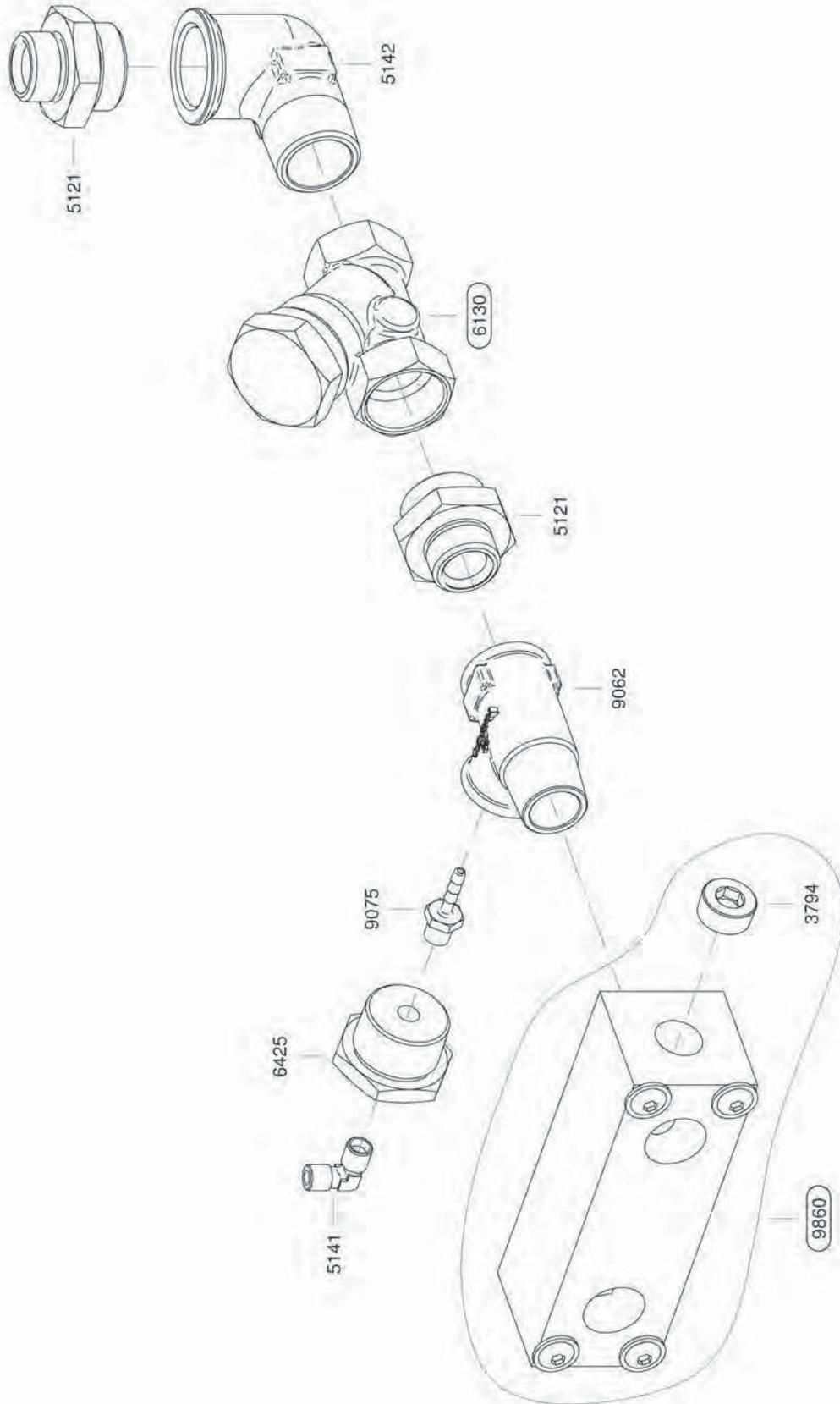
Legend	KAESER
Air distribution	SEL-2606_01E

Item	Description	Option
3794	Plug	
5121	Double nipple	
6130	Comp. air pipe check valve	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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Legend	KAESER
Air distribution	SEL-2607_01E

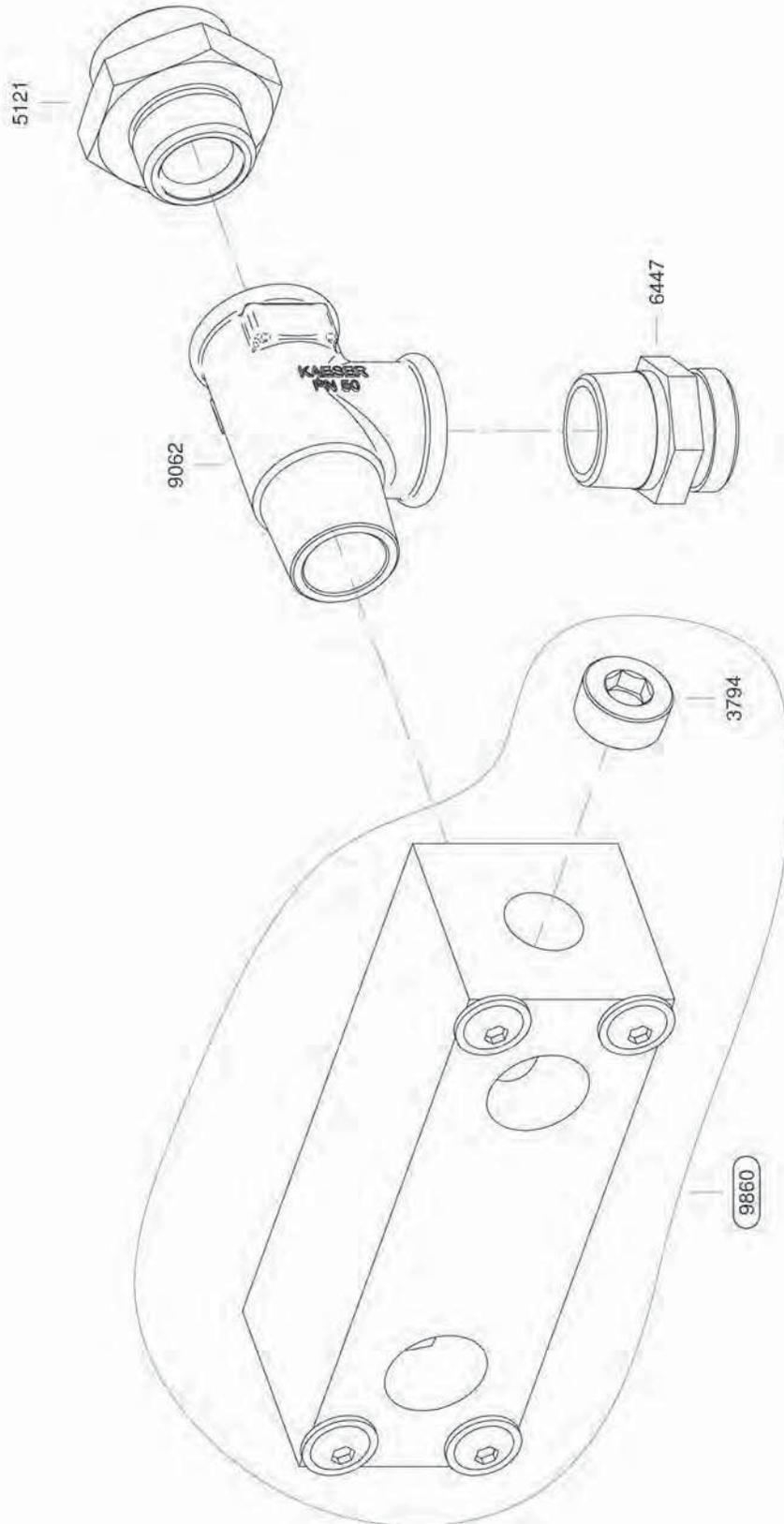
Item	Description	Option
3794	Plug	
5121	Double nipple	
5141	Elbow fitting	
5142	Elbow fitting	
6130	Comp. air pipe check valve	
6425	Reducer	
9062	T-pieces	
9075	Male hose fitting	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

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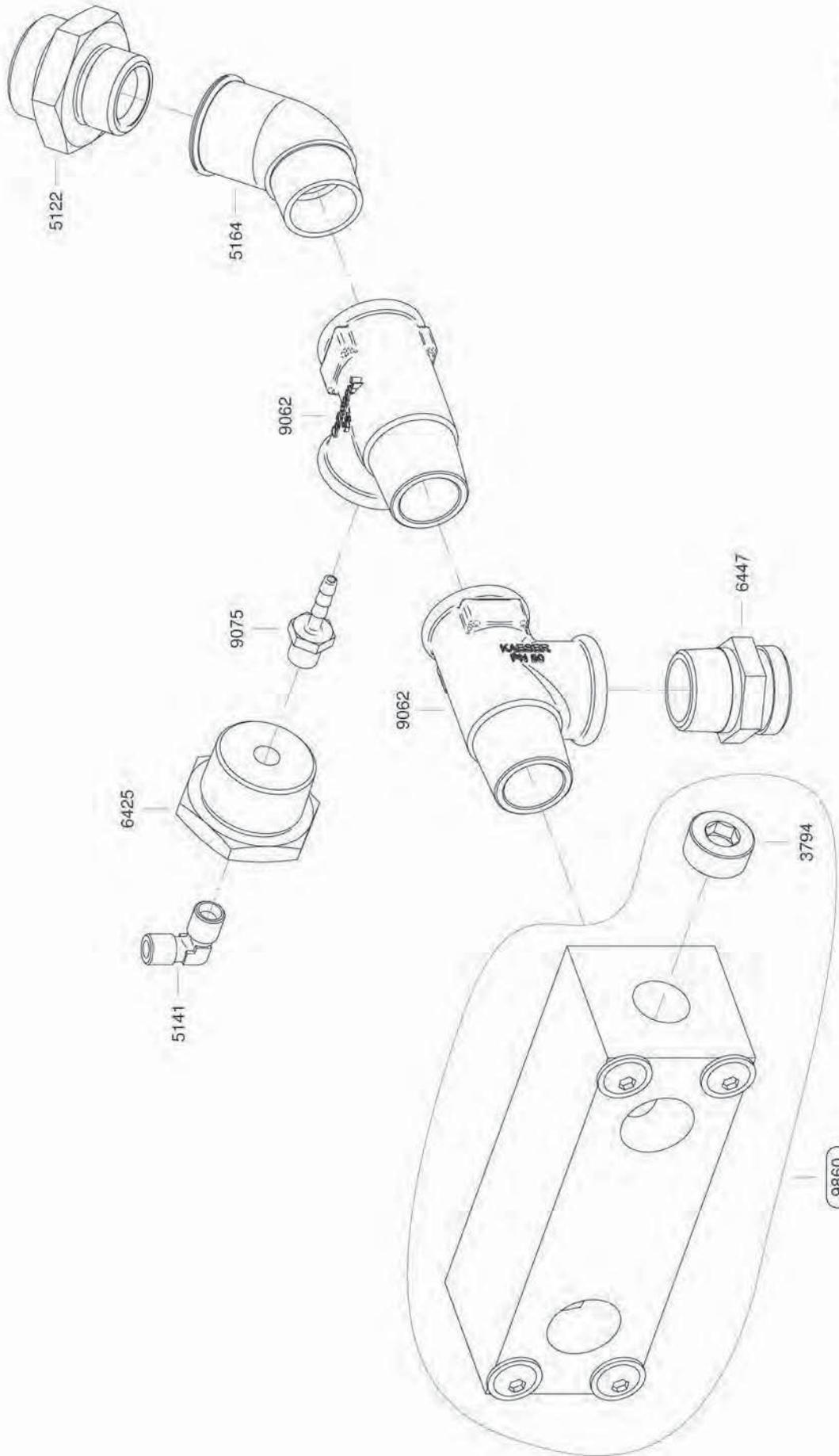
Legend	KAESER
Air distribution	SEL-2608_01E

Item	Description	Option
3794	Plug	
5121	Double nipple	
6447	Screw-in connector	
9062	T-pieces	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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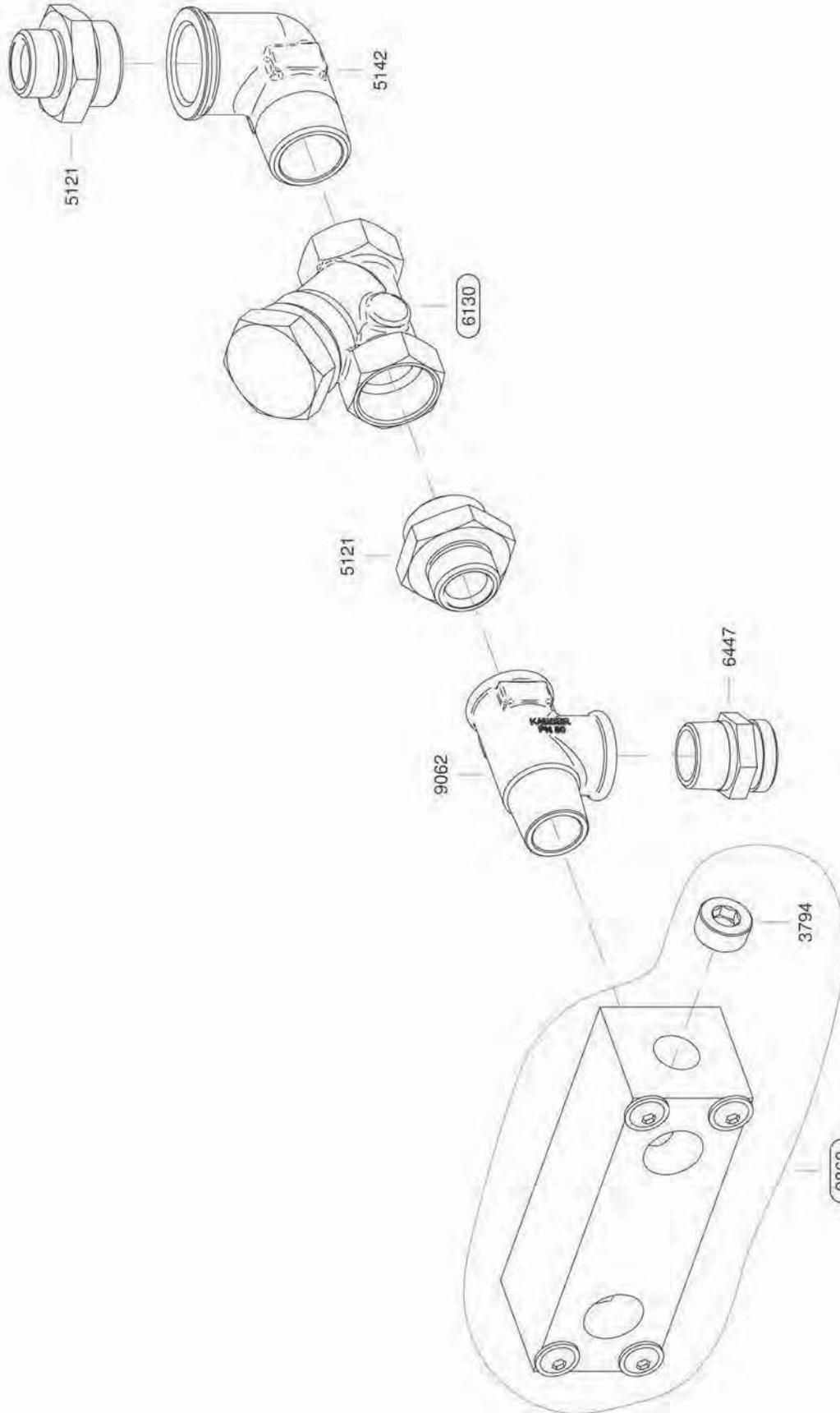
Legend	KAESER
Air distribution	SEL-2609_01E

Item	Description	Option
3794	Plug	
5122	Double nipple	
5141	Elbow fitting	
5164	Elbow fitting	
6425	Reducer	
6447	Screw-in connector	
9062	T-pieces	
9075	Male hose fitting	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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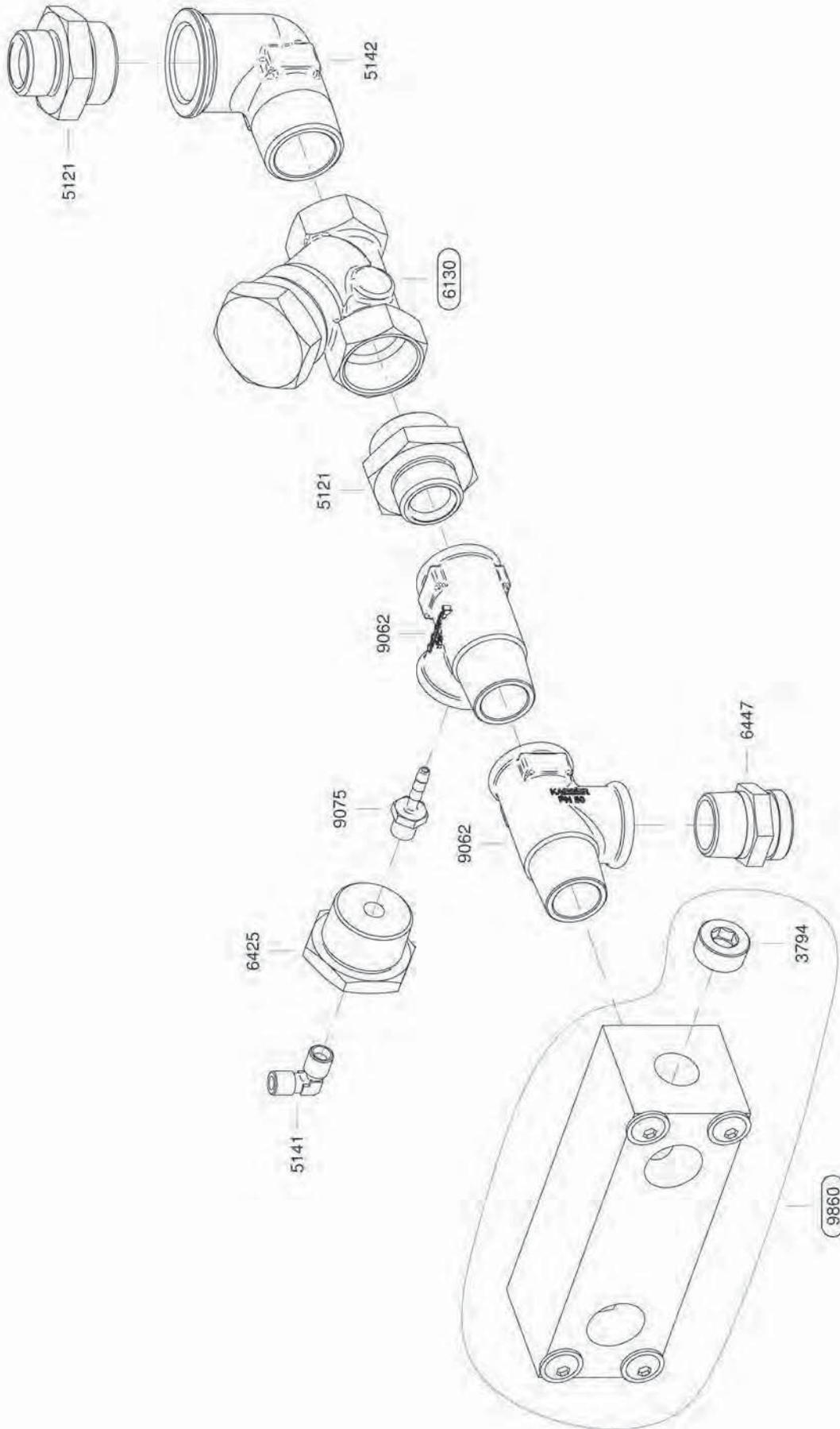
Legend	KAESER
Air distribution	SEL-2610_01E

Item	Description	Option
3794	Plug	
5121	Double nipple	
5142	Elbow fitting	
6130	Comp. air pipe check valve	
6447	Screw-in connector	
9062	T-pieces	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



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Legend	KAESER
Air distribution	SEL-2611_01E

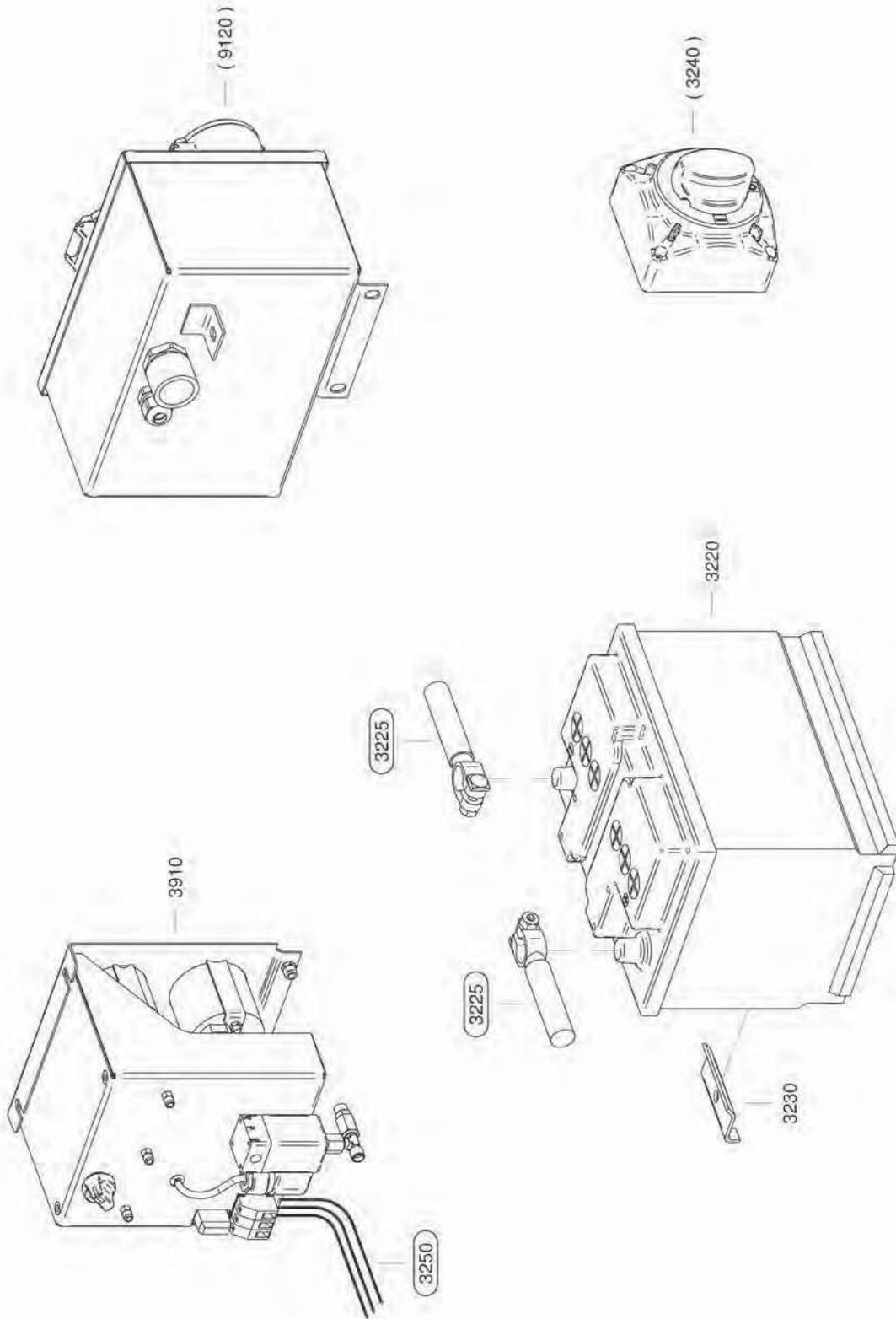
Item	Description	Option
3794	Plug	
5121	Double nipple	
5141	Elbow fitting	
5142	Elbow fitting	
6130	Comp. air pipe check valve	
6425	Reducer	
6447	Screw-in connector	
9062	T-pieces	
9075	Male hose fitting	
9860	Compressed air distributor	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3483_01



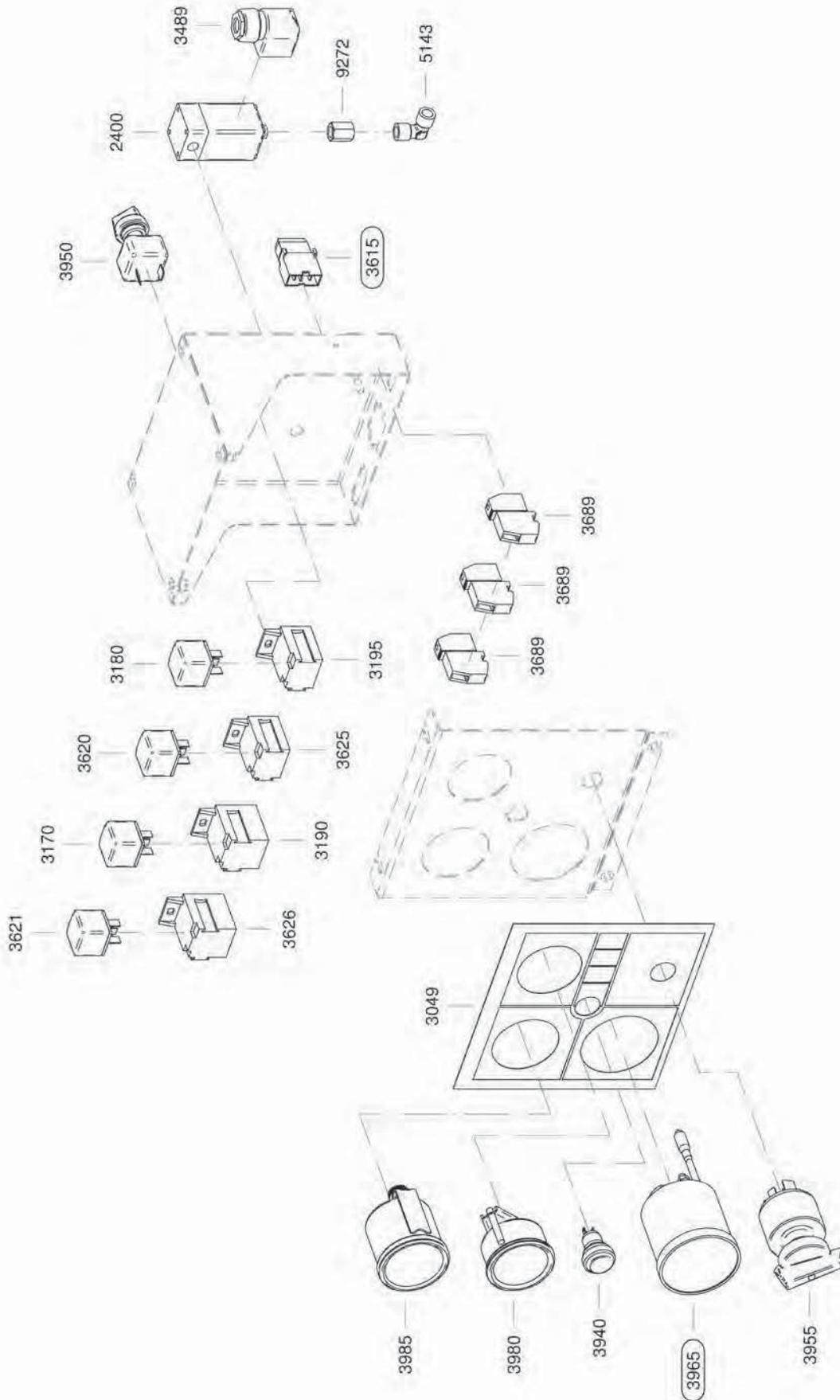
Legend	KAESER
Electrics/Instruments	SEL-2612_01E

Item	Description	Option
3220	Battery	
3225	Battery cable	
3230	Battery bracket	
3240	Battery isolating switch	X
3250	Drive motor cable set	
3910	Operating panel	
9120	Generator panel	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



SEG-3484_01

Legend	KAESER
Operating panel	SEL-2613_01E

Item	Description	Option
2400	Start control valve	
3049	Control label	
3170	Starting relay	
3180	Shutdown relay	
3190	Power relay socket	
3195	Power relay socket	
3489	Right-angle plug	
3615	Fuse socket (set)	
3620	Control relay	
3621	Control relay	
3625	Control relay socket	
3626	Control relay socket	
3689	Bushing clamp	
3940	Charging/fault indicator lamp	
3950	Main switch	
3955	Starter switch	
3965	Temperature indicator	
3980	Panel pressure indicator	
3985	Operating hours counter	
5143	Elbow fitting	
9272	Towbar centre-piece	
	Mehrere Positionsnummern fehlen noch in Zeichnung 9999	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

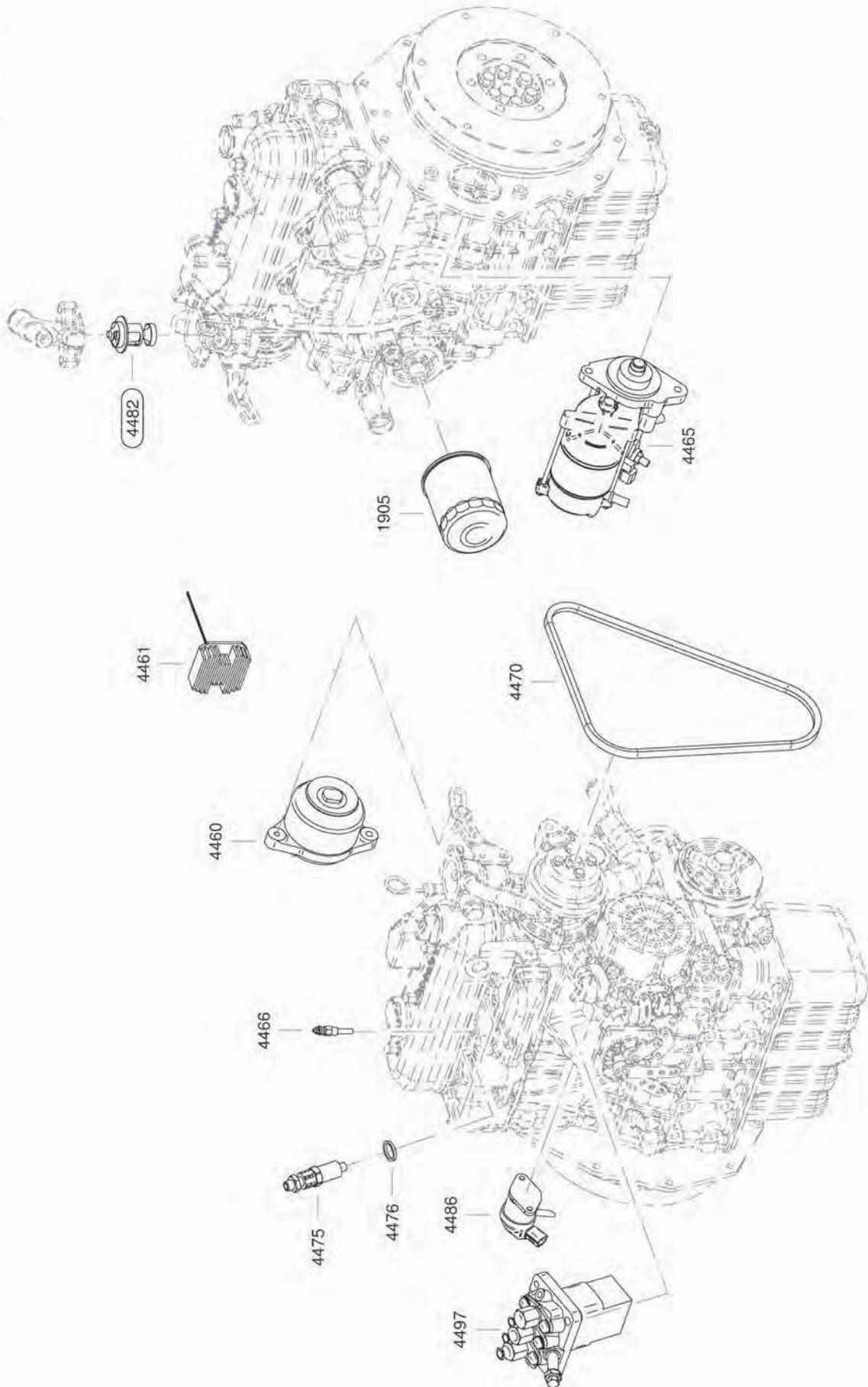
		Legend	KAESER
		Airend/Engine/Oil-filling	SEL-2614_01E
Item	Description	Option	
1255	Air filter housing, compressor		
1256	Snap fastener		
1260	Compressor air filter element		
1600	SIGMA FLUID		
1925	Engine oil		
2040	Inlet valve		
2064	Overhaul kit, combination valve		
4050	SIGMA exchange airend		
4060	Oil drain airend		
4400	Drive coupling		
4420	Belt guard		
4430	Airend support rack		
4450	Engine		
4481	Oil pressure switch		
4483	Temperature switch		
4495	Engine oil drain		
4496	Oil drain seal		
4760	Engine preheater	X	
4950	Speed adjusting		
4951	Swivel joint		
4990	Compressor mountings		
4991	Engine mountings		
4992	Motor support rack		
5144	Elbow fitting		
7561	Hose line		
7615	Inlet port		
8585	Bracket		
9862	Gasket		

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3486_01



Legend	KAESER
Engine	SEL-2615_01E

Item	Description	Option
1905	engine oil filter	
4460	Alternator	
4461	Alternator regulator	
4465	Starter	
4466	Glow plug	
4470	Engine belt	
4475	Injector nozzle	
4476	Injector nozzle seal	
4482	Coolant thermostat	
4486	Fuel cut-off	
4497	Injection pump	

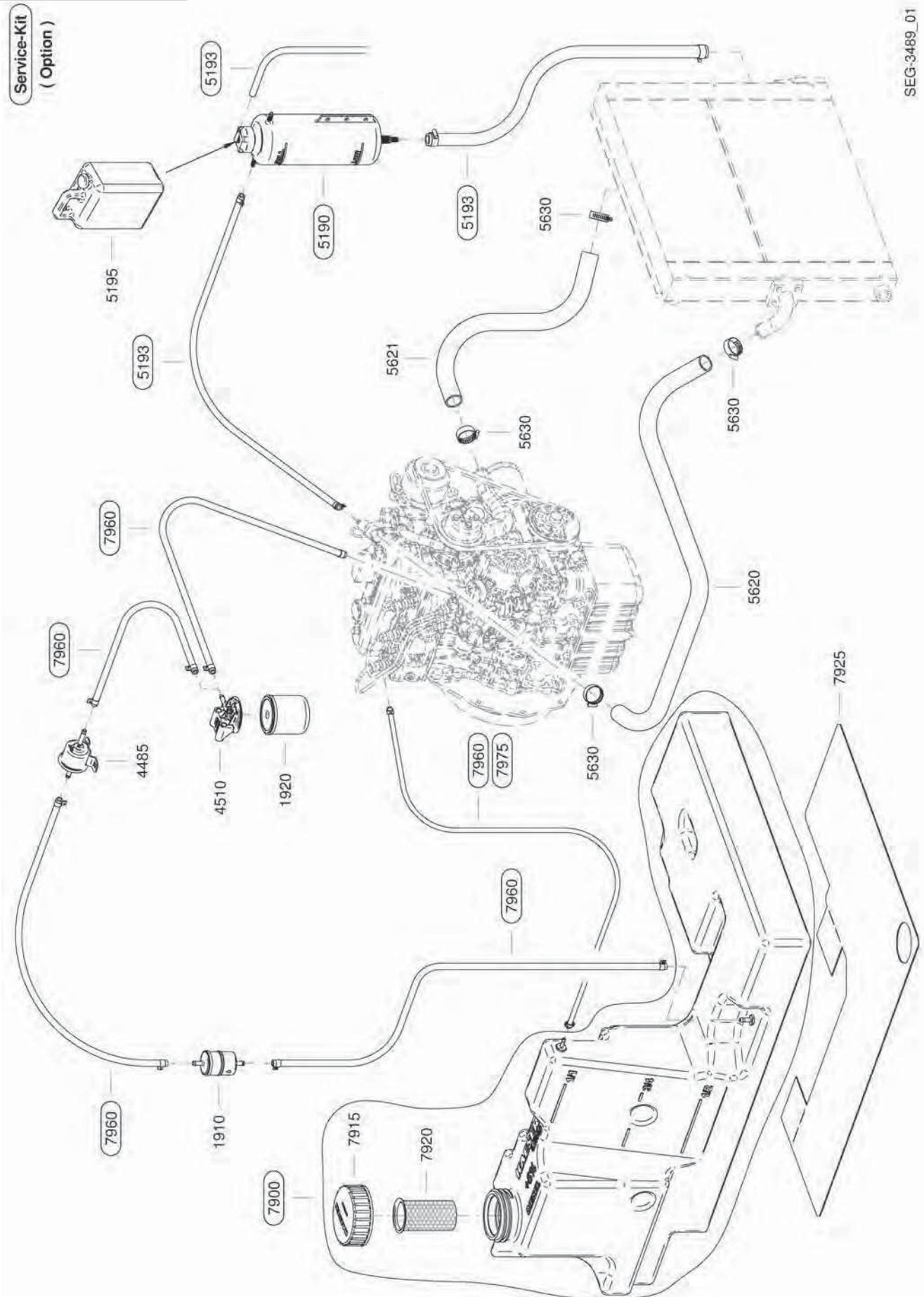
Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

		Legend	KAESER
		Engine cooling	SEL-2617_01E
Item	Description	Option	
1910	Fuel filter		
1920	Fuel micro-filter		
1980	Fuel filter with water trap		
4062	Vent plug		
4485	Fuel pump		
4510	Oil filter connector		
5190	Expansion tank		
5193	Expansion tank hose kit		
5195	Engine antifreeze agent 1/4gal		
5620	Coolant hose		
5621	Coolant hose		
5630	Hose clamp		
7900	Fuel tank		
7915	Fuel tank cap		
7920	Fuel strainer		
7925	Tank support		
7960	Fuel lines kit		
7970	Fuel line connection		
7975	Fuel return line		

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.



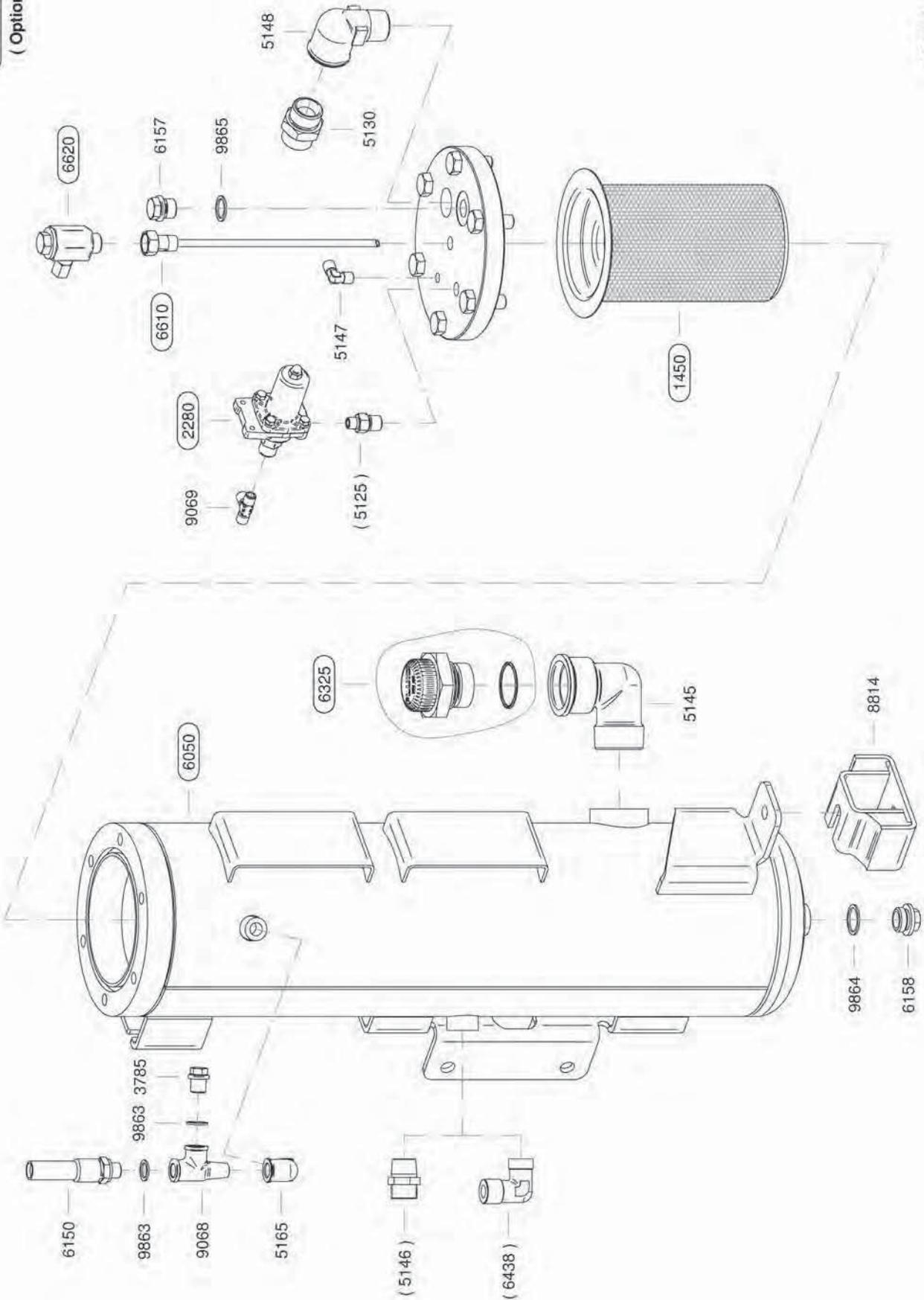
Legend	KAESER
Engine cooling	SEL-2618_01E

Item	Description	Option
1910	Fuel filter	
1920	Fuel micro-filter	
4485	Fuel pump	
4510	Oil filter connector	
5190	Expansion tank	
5193	Expansion tank hose kit	
5195	Engine antifreeze agent 1/4gal	
5620	Coolant hose	
5621	Coolant hose	
5630	Hose clamp	
7900	Fuel tank	
7915	Fuel tank cap	
7920	Fuel strainer	
7925	Tank support	
7960	Fuel lines kit	
7975	Fuel return line	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



SEG-3490_01

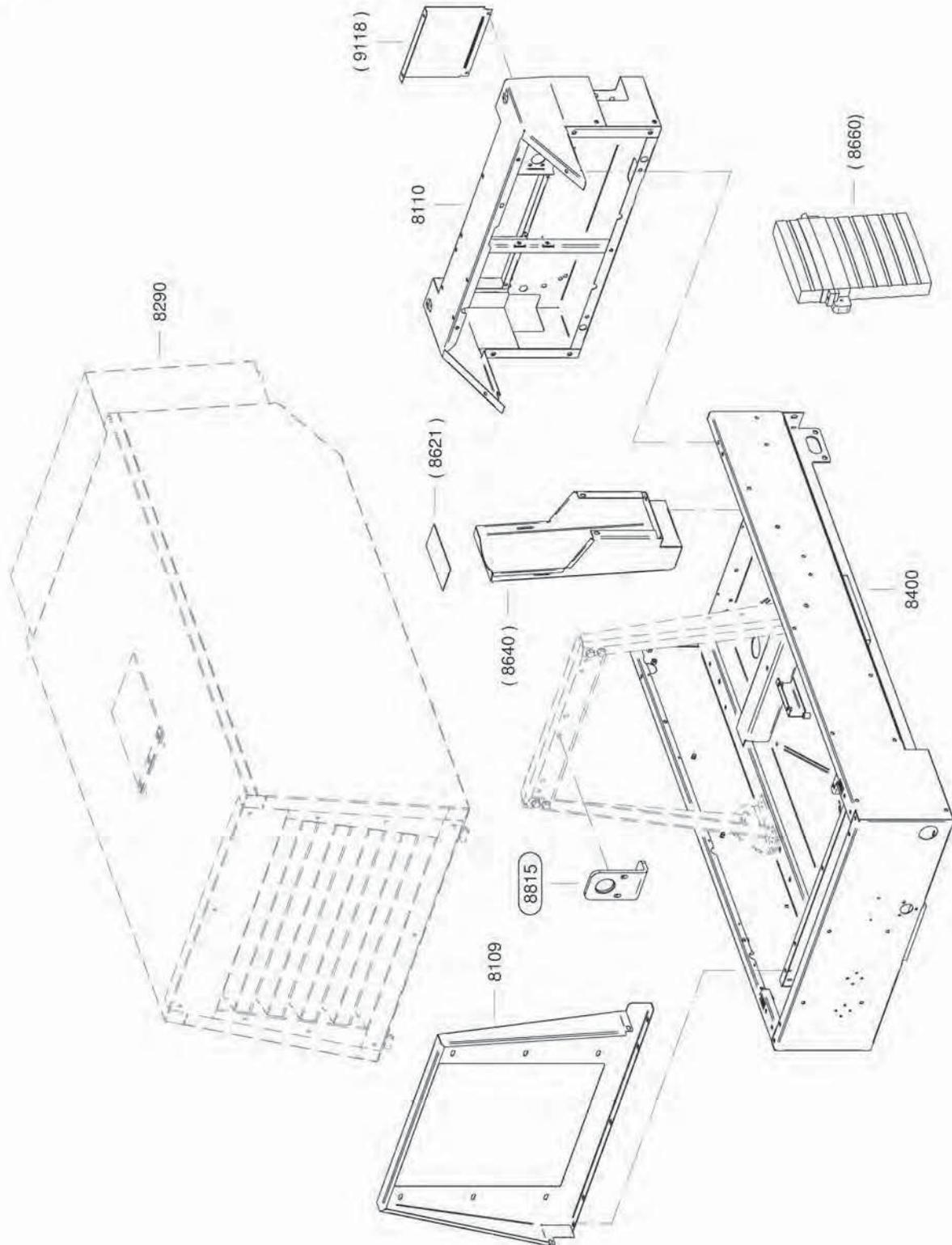
		Legend	KAESER
		Oil separation/control air	SEL-2619_01E
Item	Description	Option	
1450	Oil separator cartridge		
2280	Proportional controller		
3785	Closing plug		
5125	Double nipple		
5130	Double nipple		
5145	Elbow fitting		
5146	Elbow fitting		
5147	Elbow fitting		
5148	Elbow fitting		
5165	Elbow fitting		
6050	Oil separator tank		
6150	OST pressure relief valve		
6157	Filler plug		
6158	Filler plug		
6325	Remove plug		
6438	Screw-in connector		
6610	Suction line kit		
6620	Dirt trap, oil scavenge line		
8814	Machine foot		
9068	T-pieces		
9069	T-pieces		
9863	Gasket		
9864	Gasket		
9865	Gasket		

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3491_01



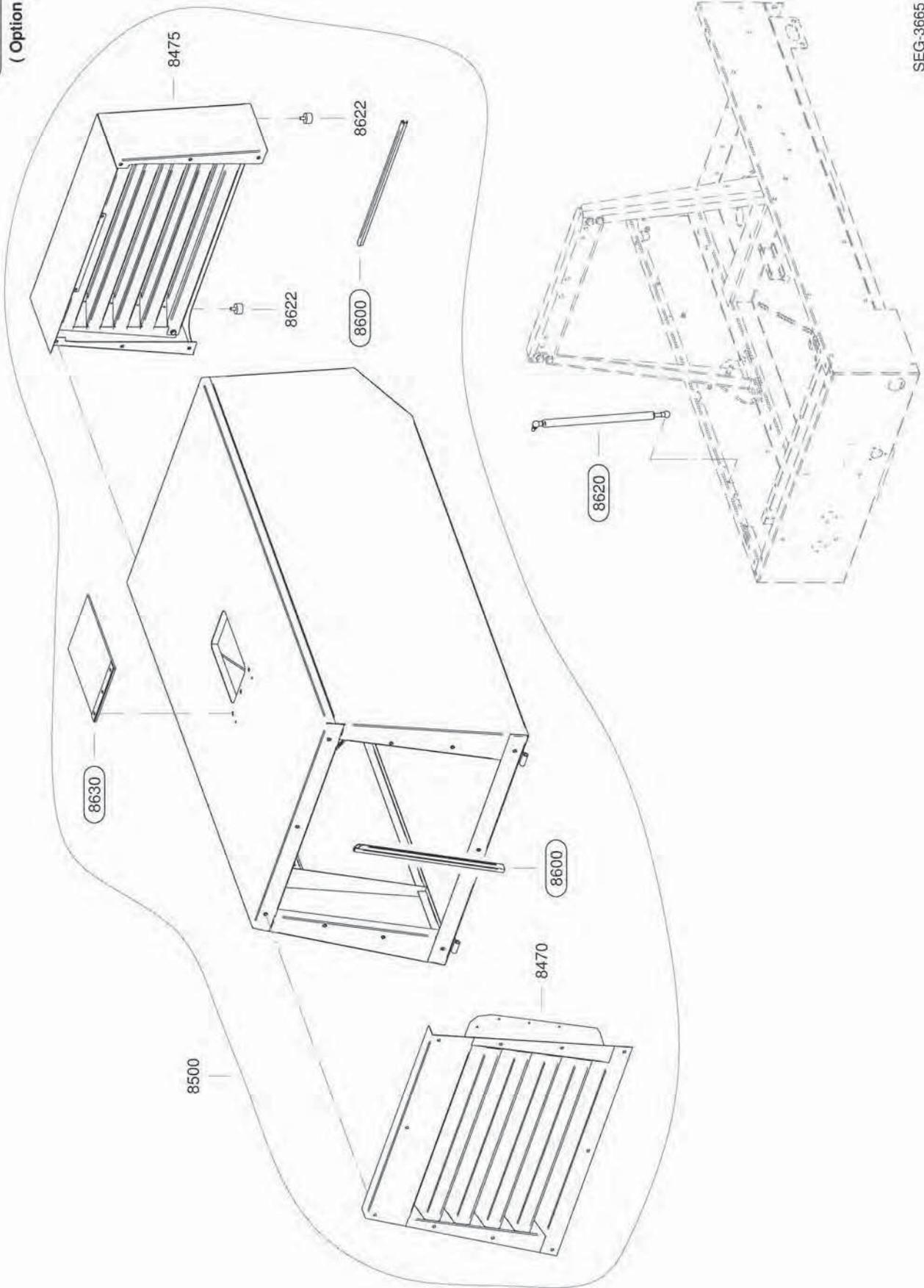
Legend	KAESER
Bodywork	SEL-2620_01E

Item	Description	Option
8109	Bulkhead	
8110	Back plate	
8290	Bodywork superstructure	
8400	Lower bodywork	
8621	Rubber pad	X
8640	tool box provides sufficient	X
8660	Document bag	X
8815	Lifting eye	
9118	Generator cabinet cover	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



SEG-3665_01

		Legend	KAESER
		Bodywork superstructure	SEL-2703_01E

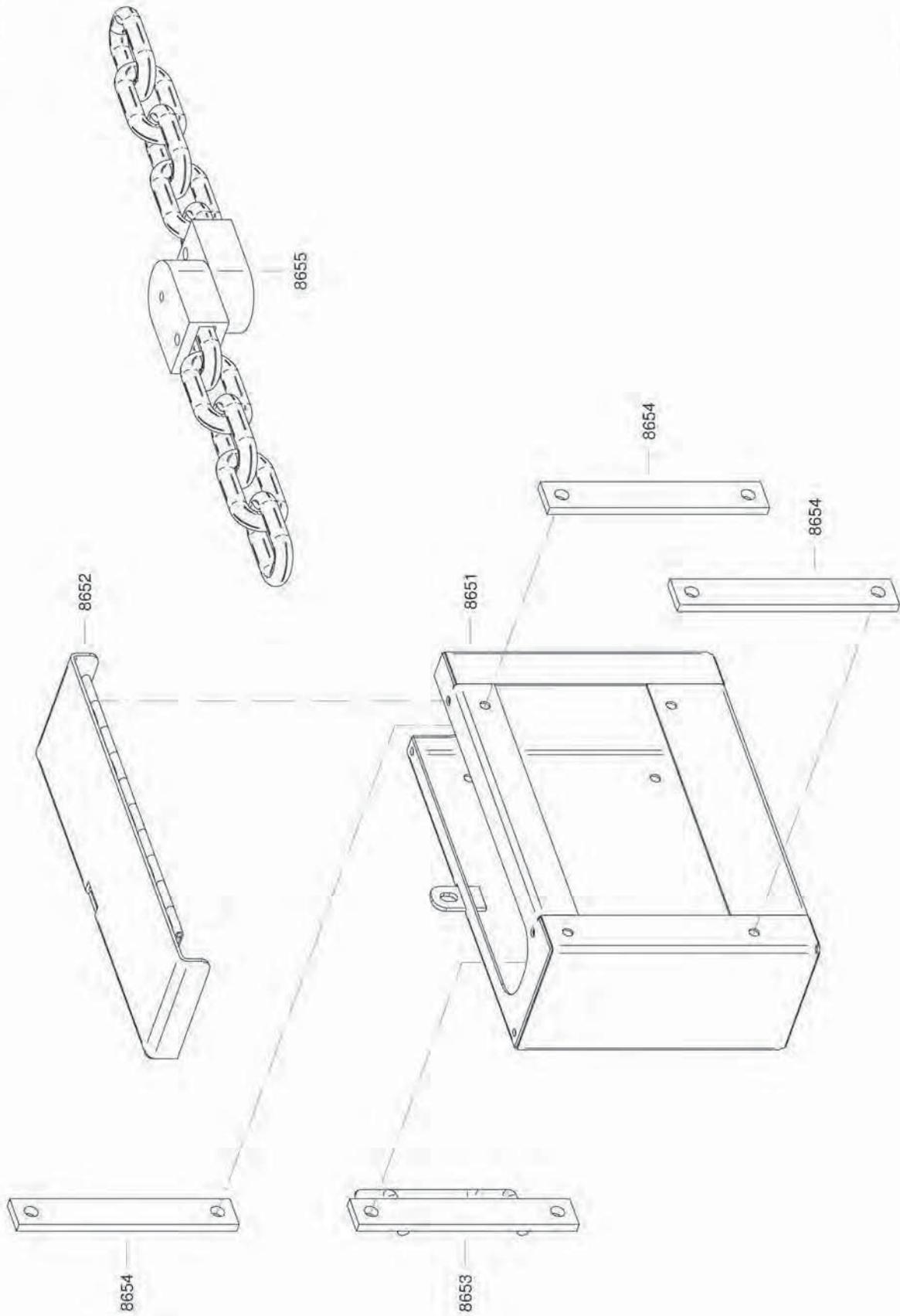
Item	Description	Option
8470	Exhaust air grill	
8475	Inlet air grill	
8500	Canopy	
8600	Sealing profile	
8620	Bodywork gas spring	
8622	Rubber pad	
8630	Cover for lifting eye	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3492_01

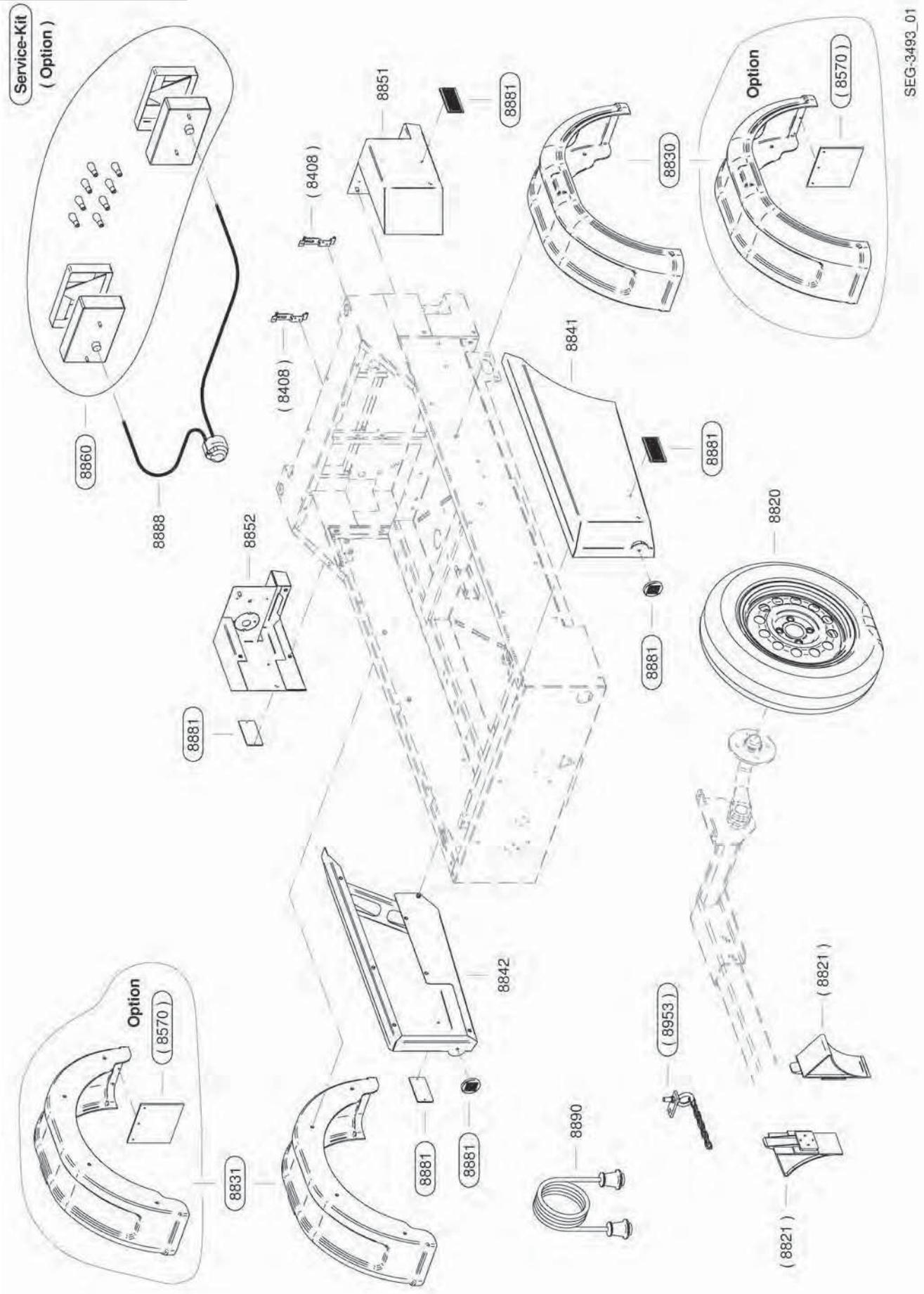


Legend	KAESER
Set theft-chain	SEL-2621_01E

Item	Description	Option
8651	Box f. Anti-theft chain	
8652	Cover	
8653	Saddle	
8654	flat steel	
8655	Security chain	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

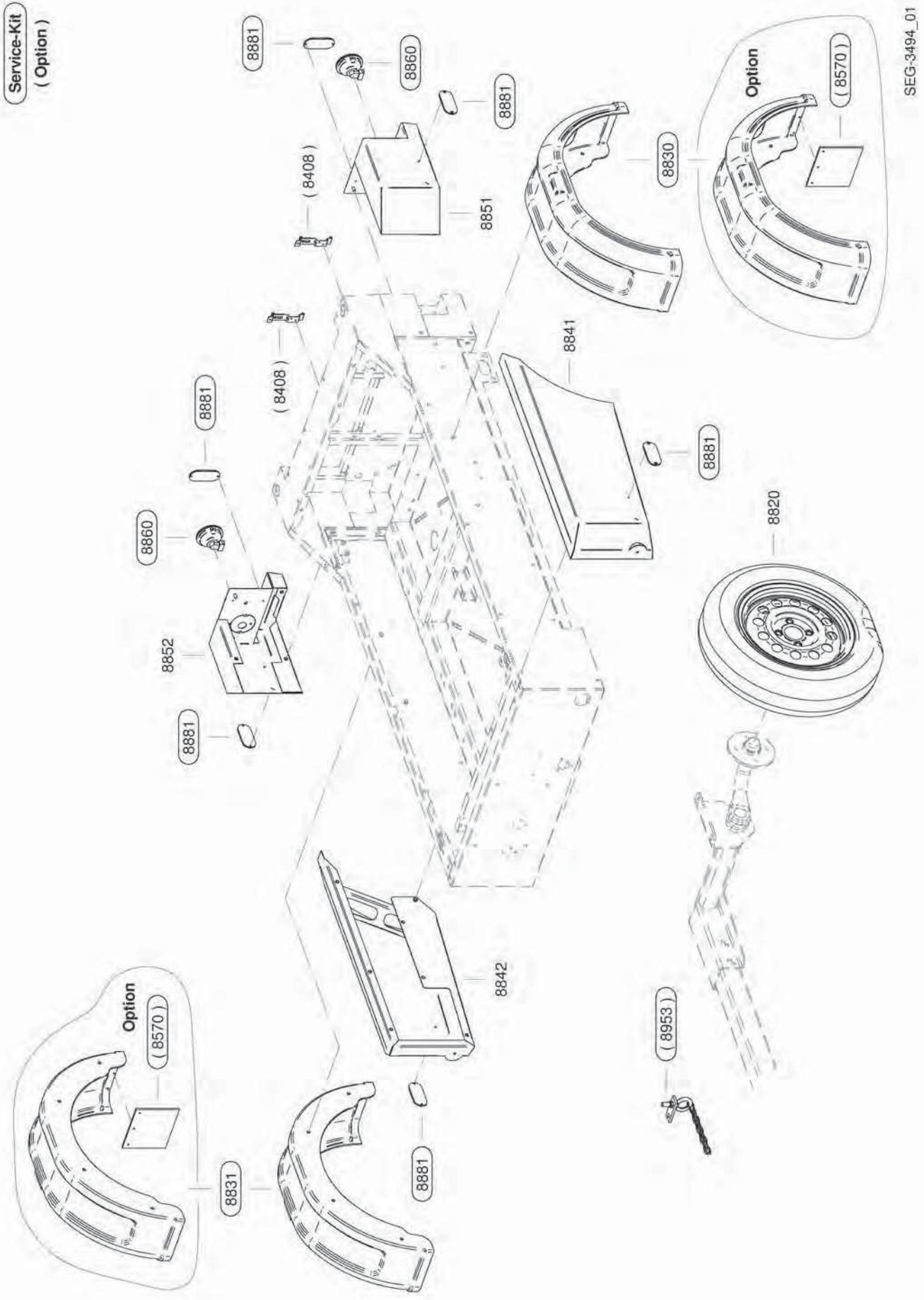


SEG-3493_01

		Legend	KAESER
		Sub-frame/Lighting	SEL-2622_01E
Item	Description	Option	
8408	Support, registration plate	X	
8570	Splash guard	X	
8820	Wheel cpl.		
8821	Chock	X	
8830	Left mudguard		
8831	Right mudguard		
8841	Collision guard, front-left		
8842	Collision guard, front-right		
8851	Collision guard, rear-left		
8852	Collision guard, rear-right		
8860	Lighting set		
8881	Reflectors (set)		
8888	Lighting connector cable		
8890	Vehicle connector cable		
8953	safety chain	X	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

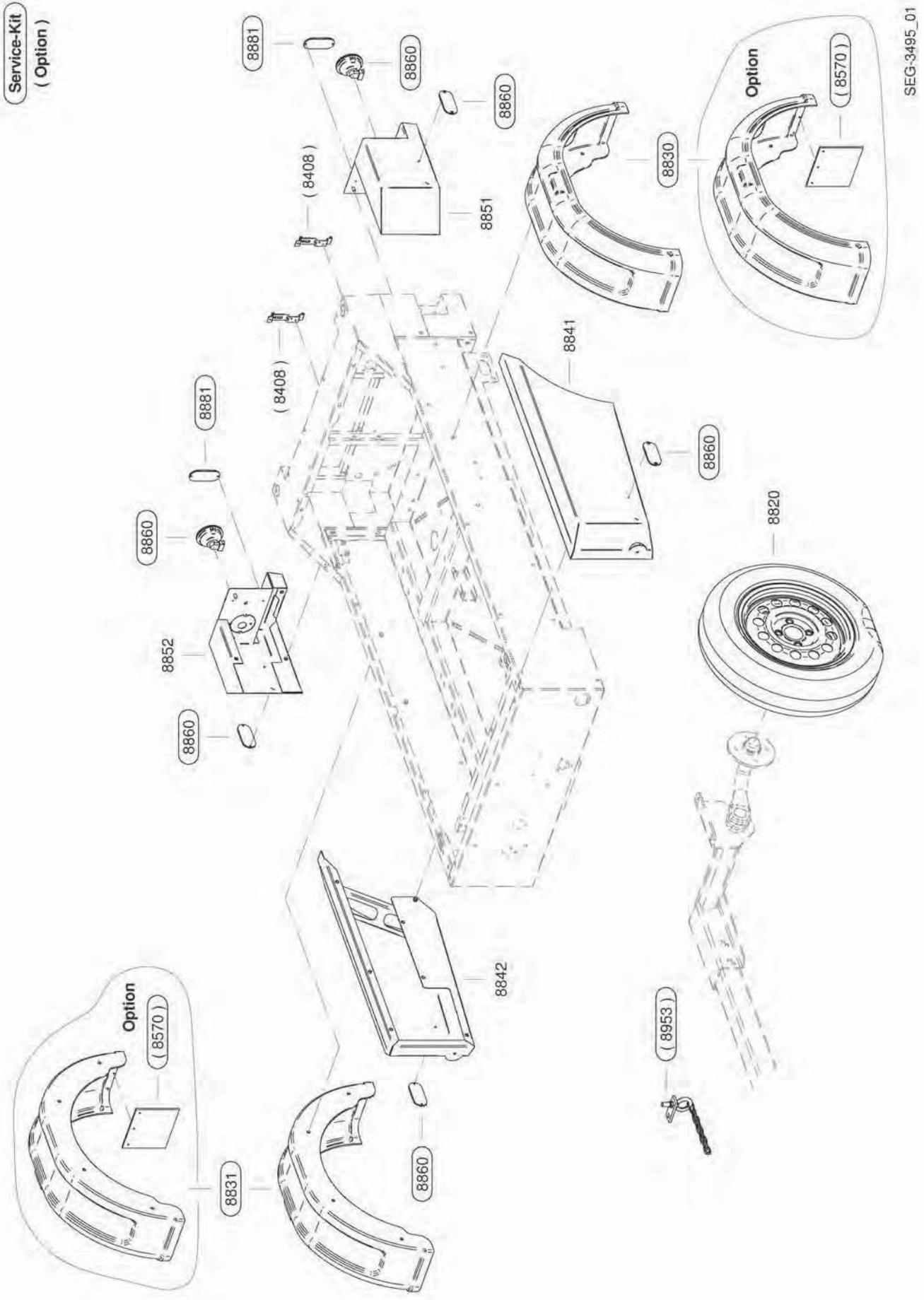


SEG-3494_01

		Legend	KAESER
		Sub-frame/Lighting	SEL-2623_01E
Item	Description	Option	
8408	Support, registration plate	X	
8570	Splash guard	X	
8820	Wheel cpl.		
8830	Left mudguard		
8831	Right mudguard		
8841	Collision guard, front-left		
8842	Collision guard, front-right		
8851	Collision guard, rear-left		
8852	Collision guard, rear-right		
8860	Lighting set		
8881	Reflectors (set)		
8953	safety chain	X	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.



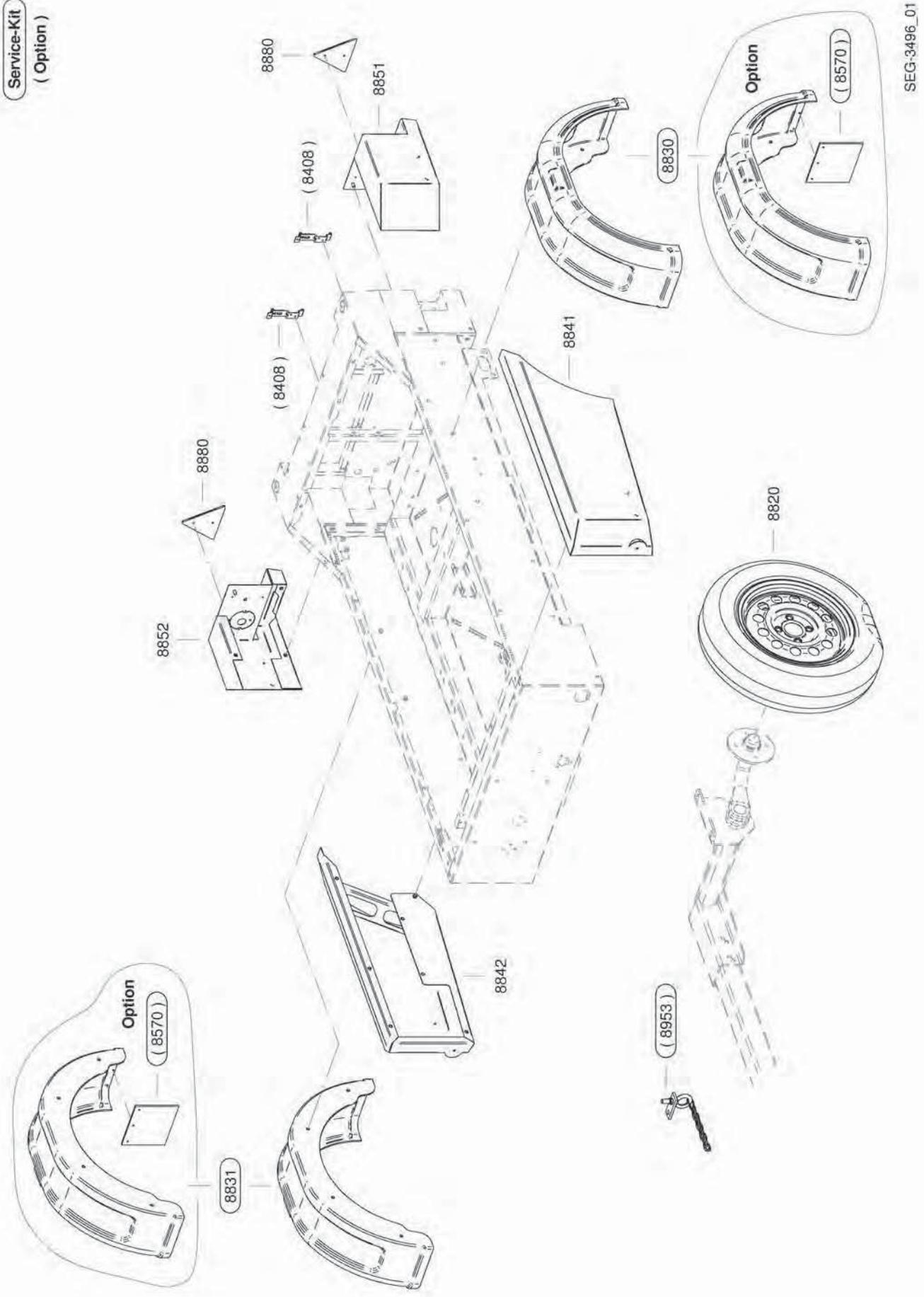
		Legend	KAESER
		Sub-frame/Lighting	SEL-2624_01E
Item	Description	Option	
8408	Support, registration plate	X	
8570	Splash guard	X	
8820	Wheel cpl.		
8830	Left mudguard		
8831	Right mudguard		
8841	Collision guard, front-left		
8842	Collision guard, front-right		
8851	Collision guard, rear-left		
8852	Collision guard, rear-right		
8860	Lighting set		
8881	Reflectors (set)		
8953	safety chain	X	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit

(Option)



SEG-3496_01

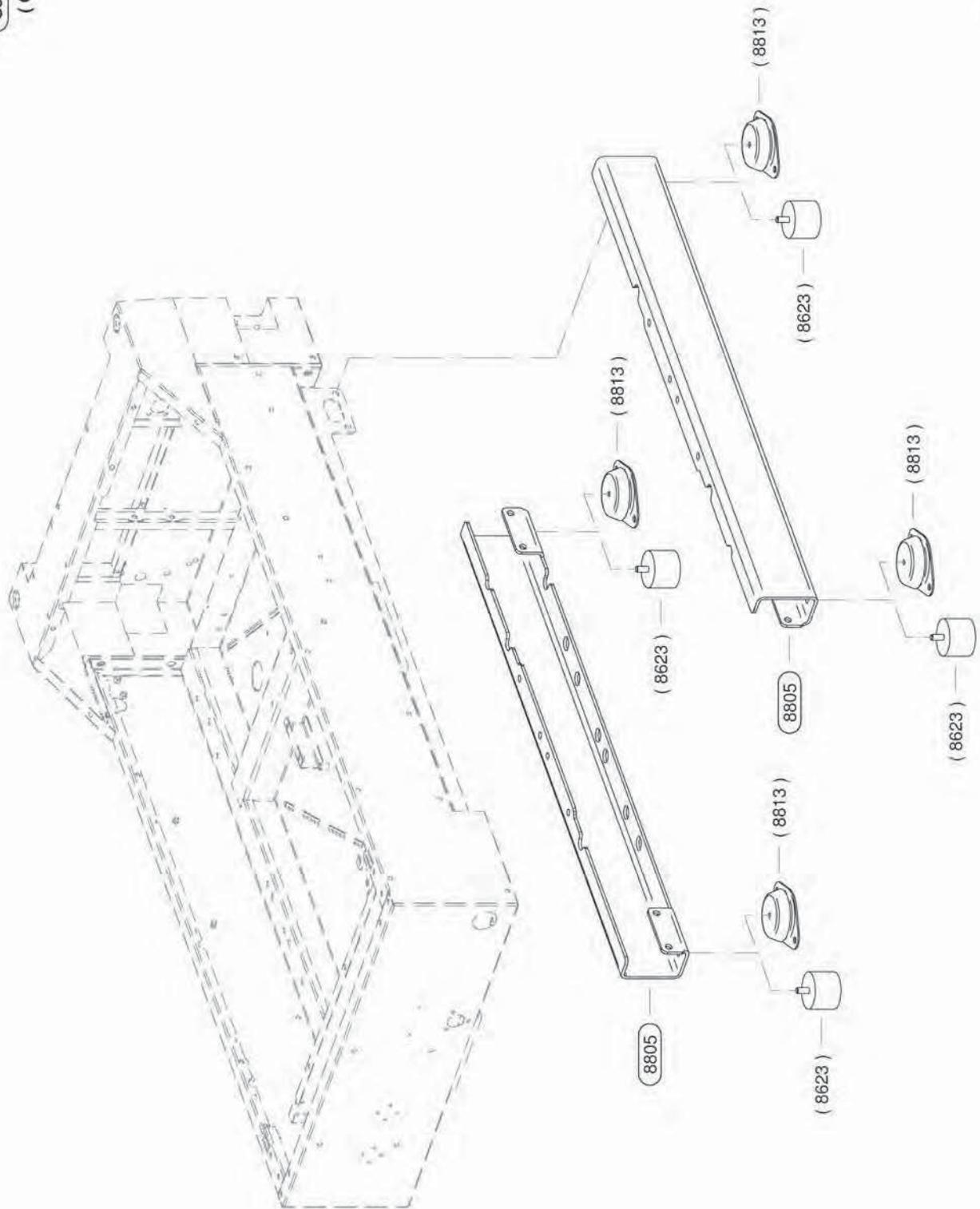
Legend	KAESER
Sub-frame/Lighting	SEL-2625_01E

Item	Description	Option
8408	Support, registration plate	X
8570	Splash guard	X
8820	Wheel cpl.	
8830	Left mudguard	
8831	Right mudguard	
8841	Collision guard, front-left	
8842	Collision guard, front-right	
8851	Collision guard, rear-left	
8852	Collision guard, rear-right	
8880	Reflector	
8953	safety chain	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



SEG-3497_01

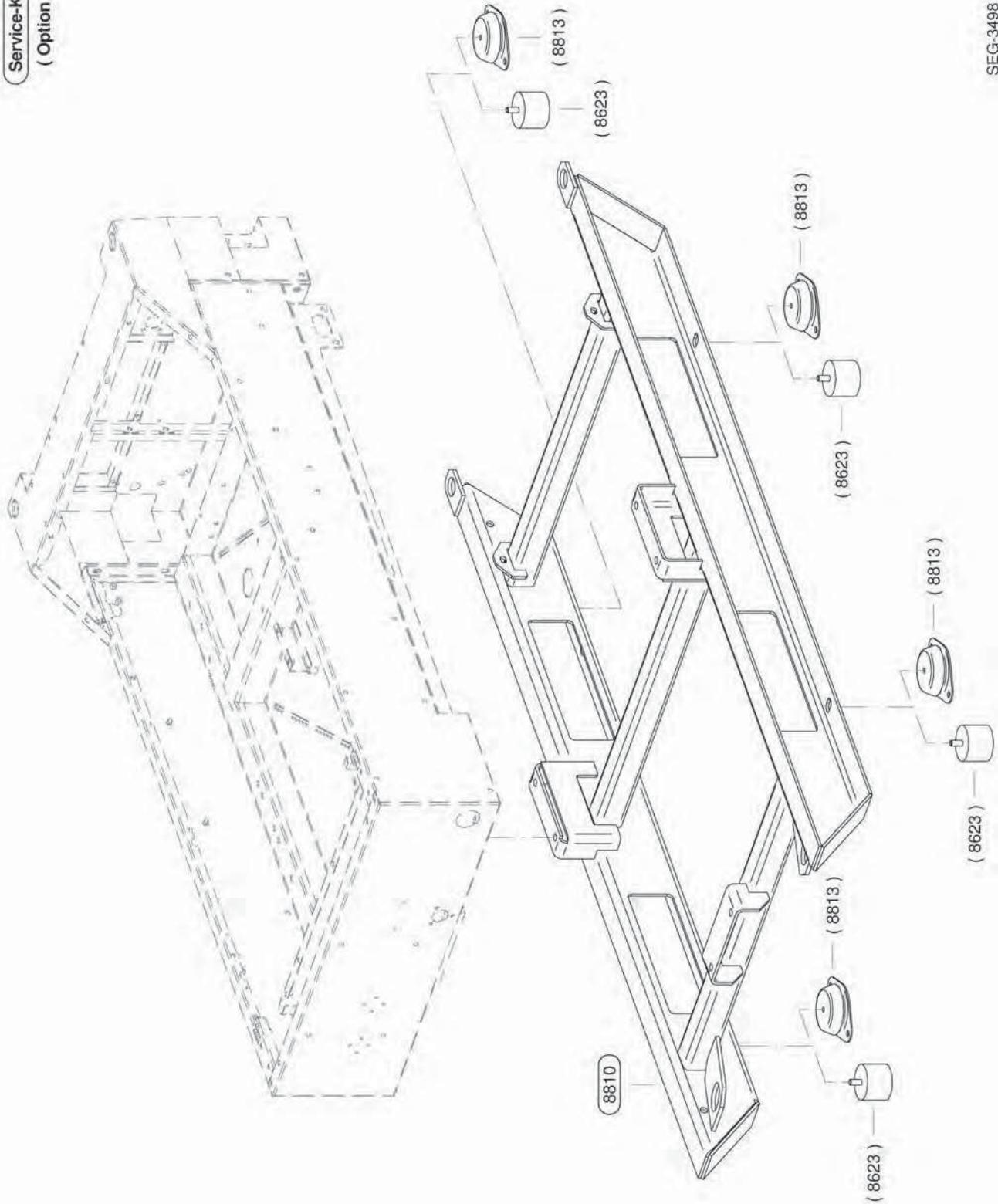
Legend	KAESER
Sub-frame/Lighting	SEL-2626_01E

Item	Description	Option
8623	Rubber pad	X
8805	Chassis strut	
8813	Machine foot	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)



SEG-3498_01

Legend	KAESER
Sub-frame/Lighting	SEL-2627_01E

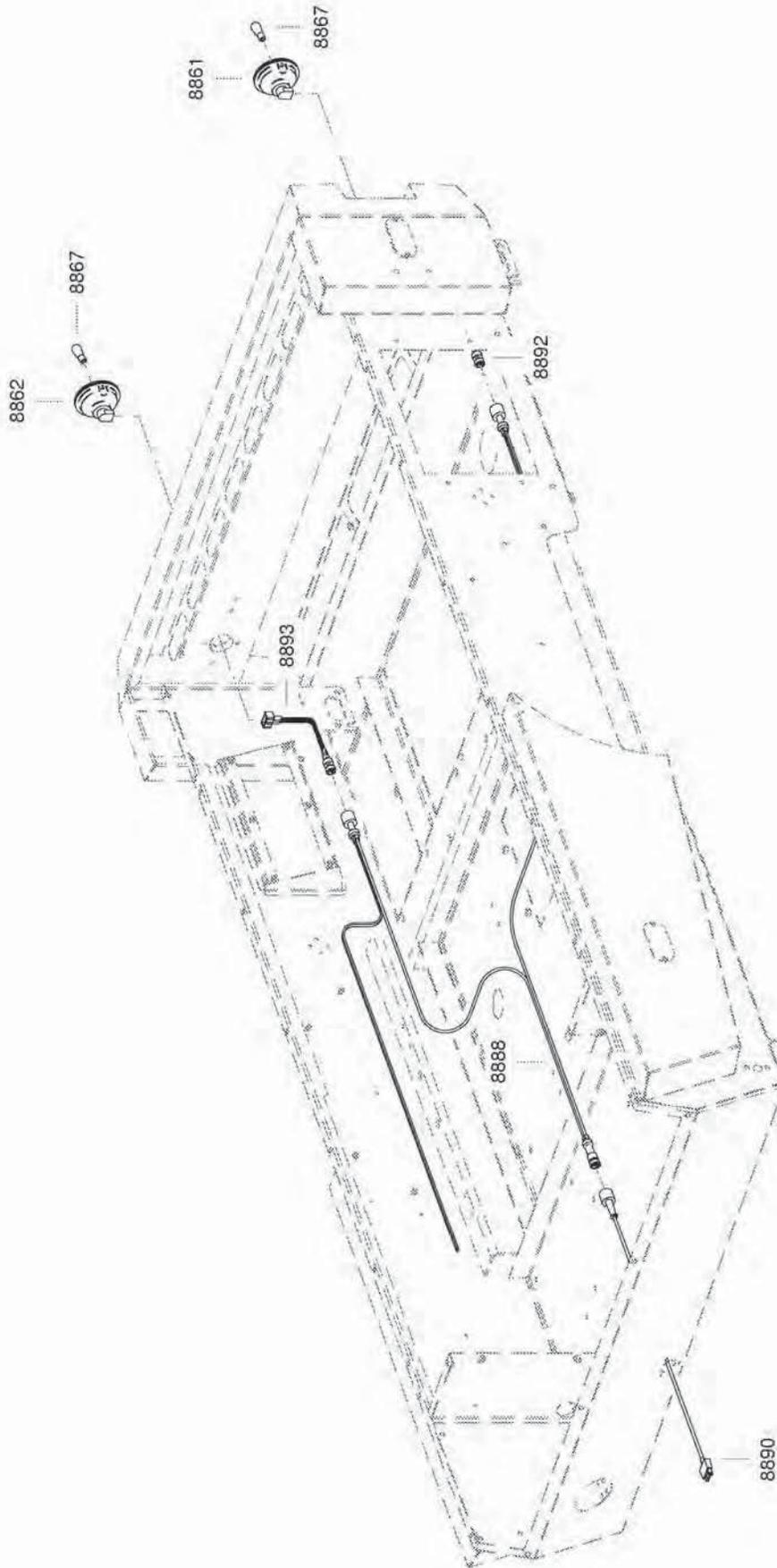
Item	Description	Option
8623	Rubber pad	X
8810	Skids	
8813	Machine foot	X

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit

SEG-2271_01



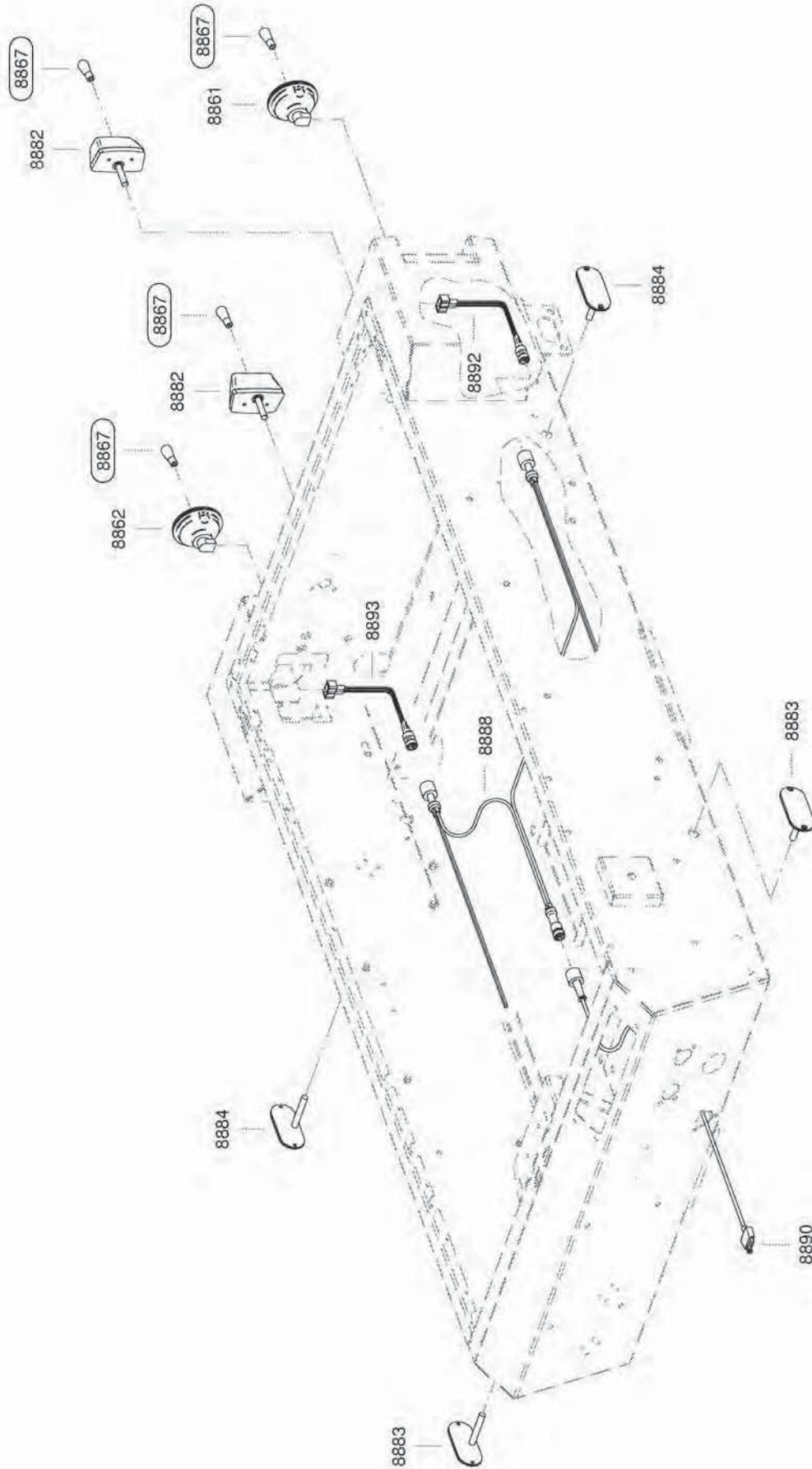
Legend	KAESER
Lighting set USA	SEL-1959_01E

Item	Description	Option
8861	Left rear light	
8862	Right rear light	
8867	Lighting bulb set	
8888	Connector cable	
8890	Connector cable, vehicle	
8892	Connecting cable left (blue)	
8893	Connecting cable right (red)	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit



SEG-2558_01

Legend	KAESER
Lighting set	SEL-2032_01E

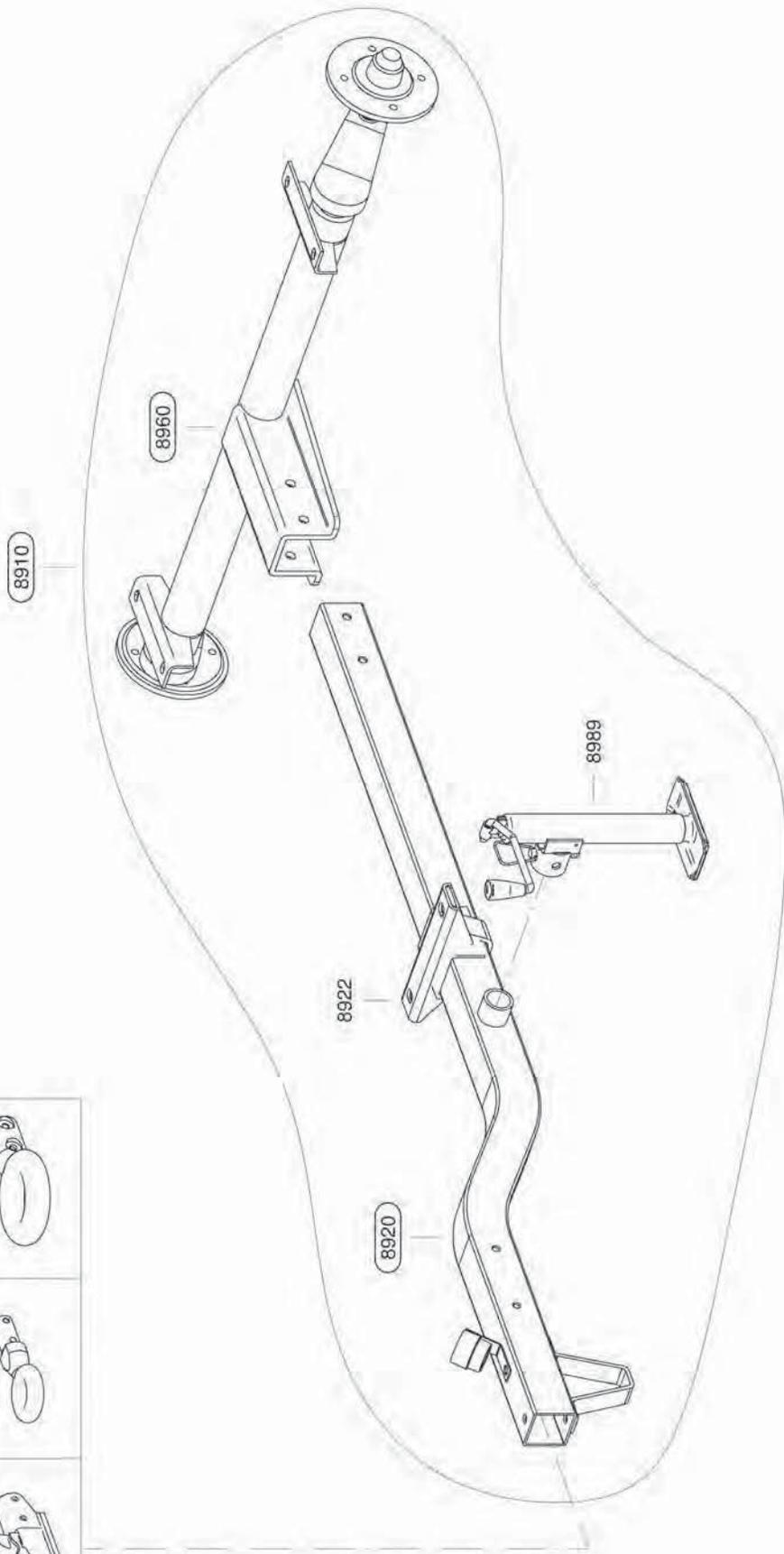
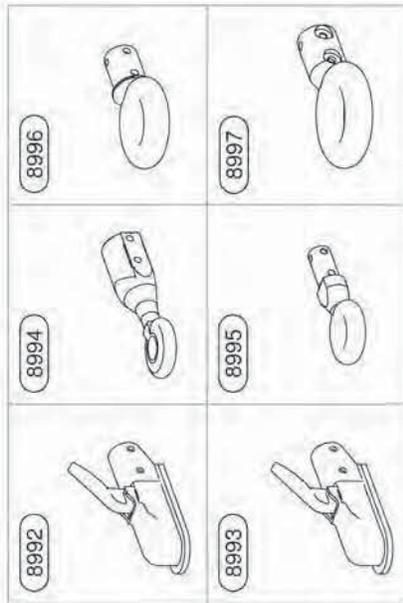
Item	Description	Option
8861	Left rear light	
8862	Right rear light	
8867	Lighting bulb set	
8882	Number plate lamp	
8883	Side marker lamp yellow	
8884	Side marker lamp red	
8888	Connector cable	
8890	Vehicle connector cable	
8892	Left connecting cable (blue)	
8893	Right connecting cable (red)	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3689_01



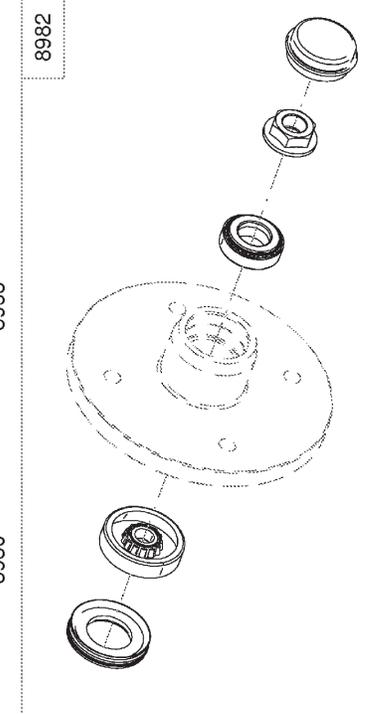
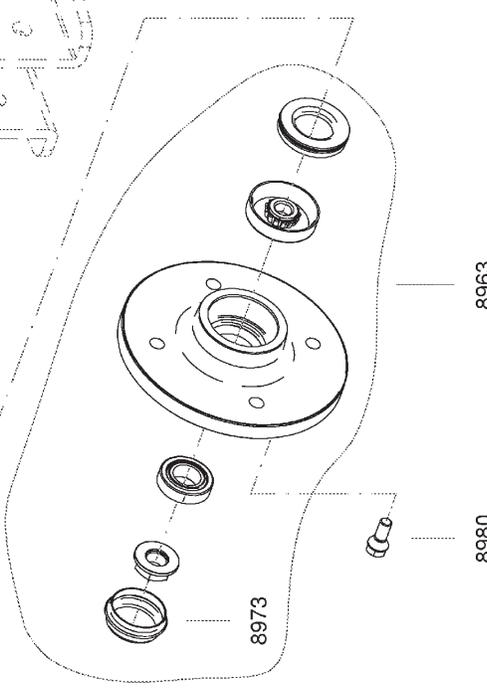
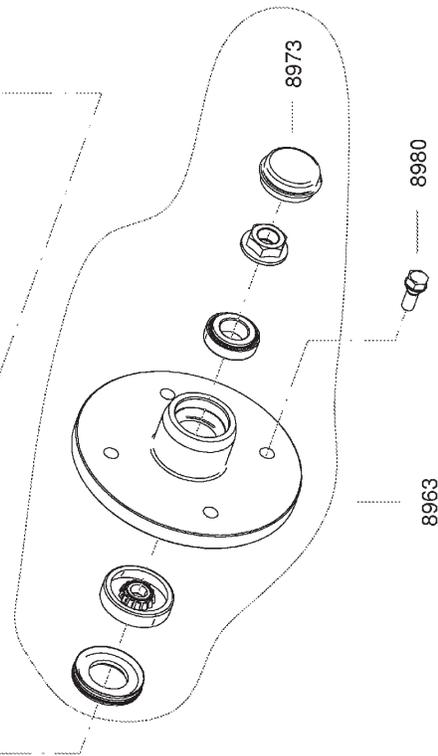
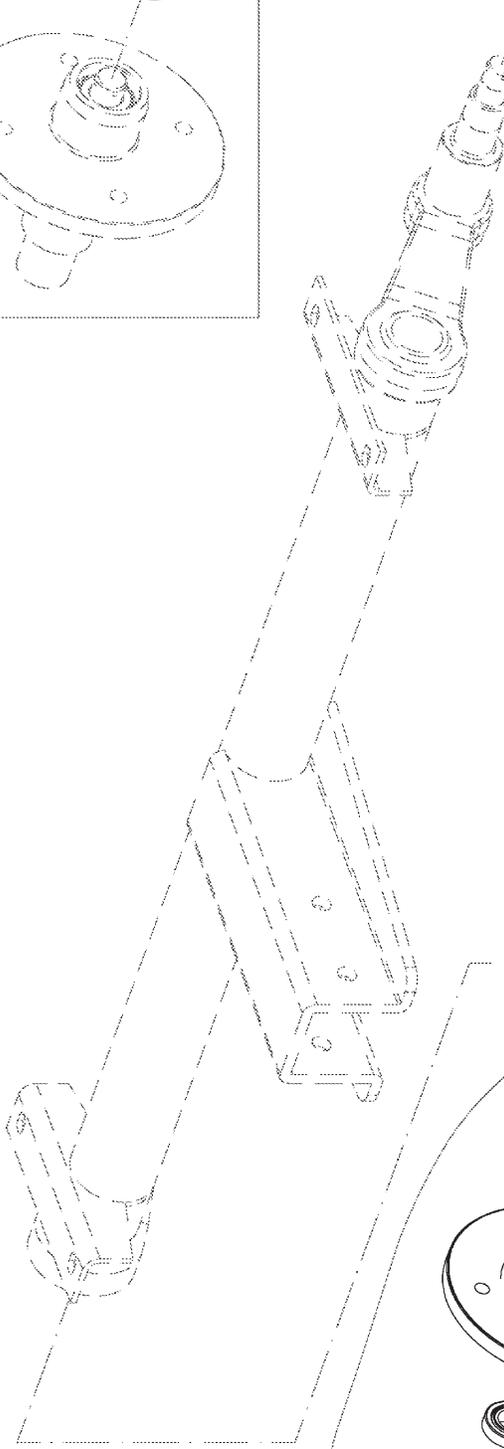
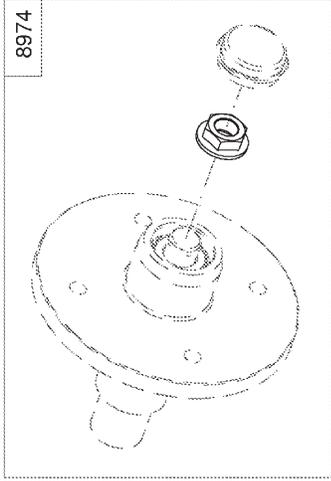
Legend	KAESER
Chassis	SEL-2713_01E

Item	Description	Option
8910	Chassis, complete	
8920	Towbar, complete	
8922	Chassis support rack	
8960	Complete axle	
8989	Prop	
8992	Ball coupling for car, ø 50 (DIN)	
8993	Ball coupling for car, 2"	
8994	Towing eye for HGV, ø 40 (DIN)	
8995	Towing eye (truck), Ø 45	
8996	Towing eye (truck), Ø 68 x 42	
8997	Towing eye (truck), Ø 76	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

8974



SEG-1984_01

Legend	KAESER
Axle, complete	SEL-1871_01E

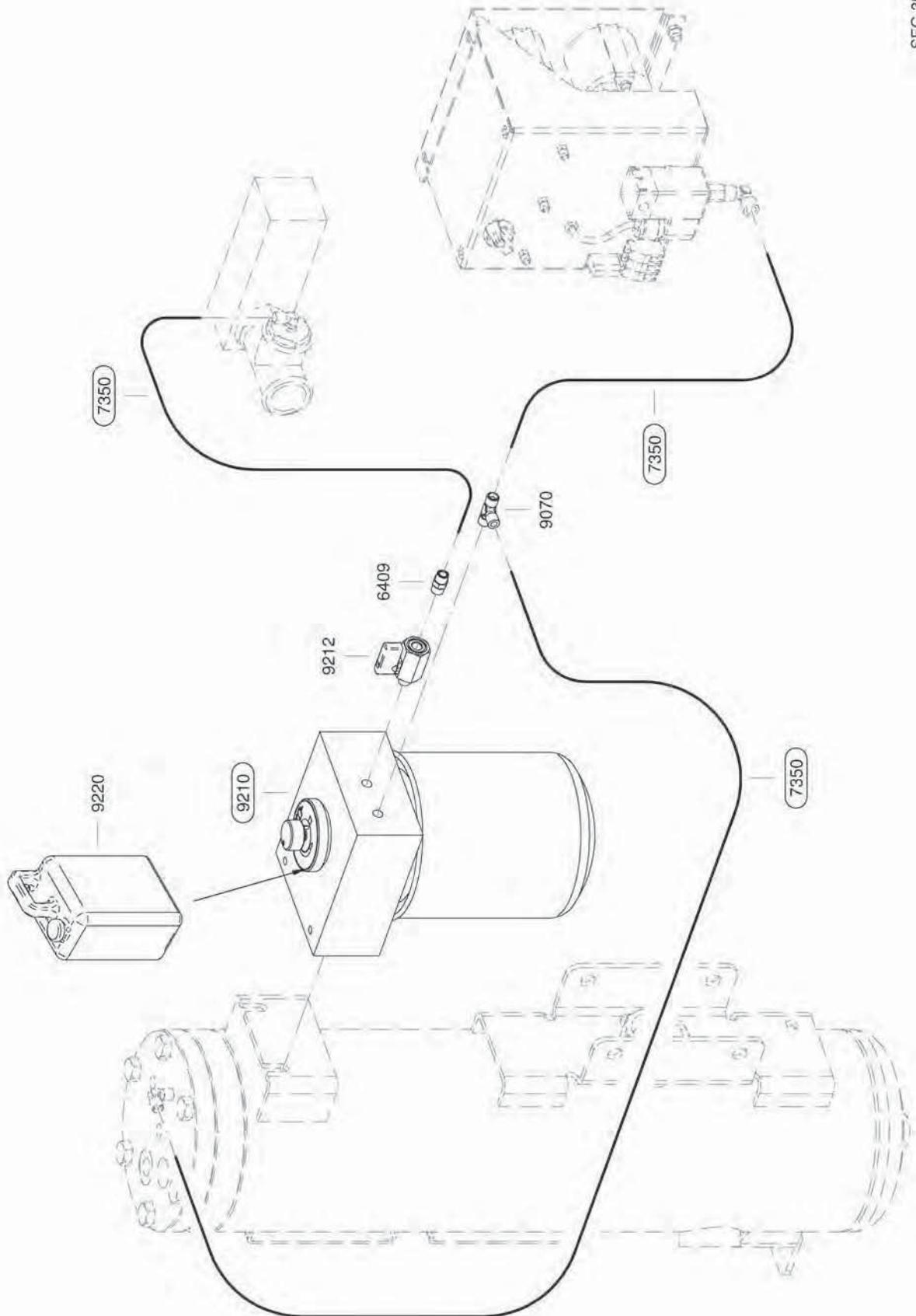
Item	Description	Option
8963	Wheel hub	
8973	Grease cap for the brake drum	
8974	Flanged locknut, axle bearing	
8980	Wheel bolt	
8982	Wheel bearing set	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3500_01



Legend	KAESER
Tool lubrication	SEL-2629_01E

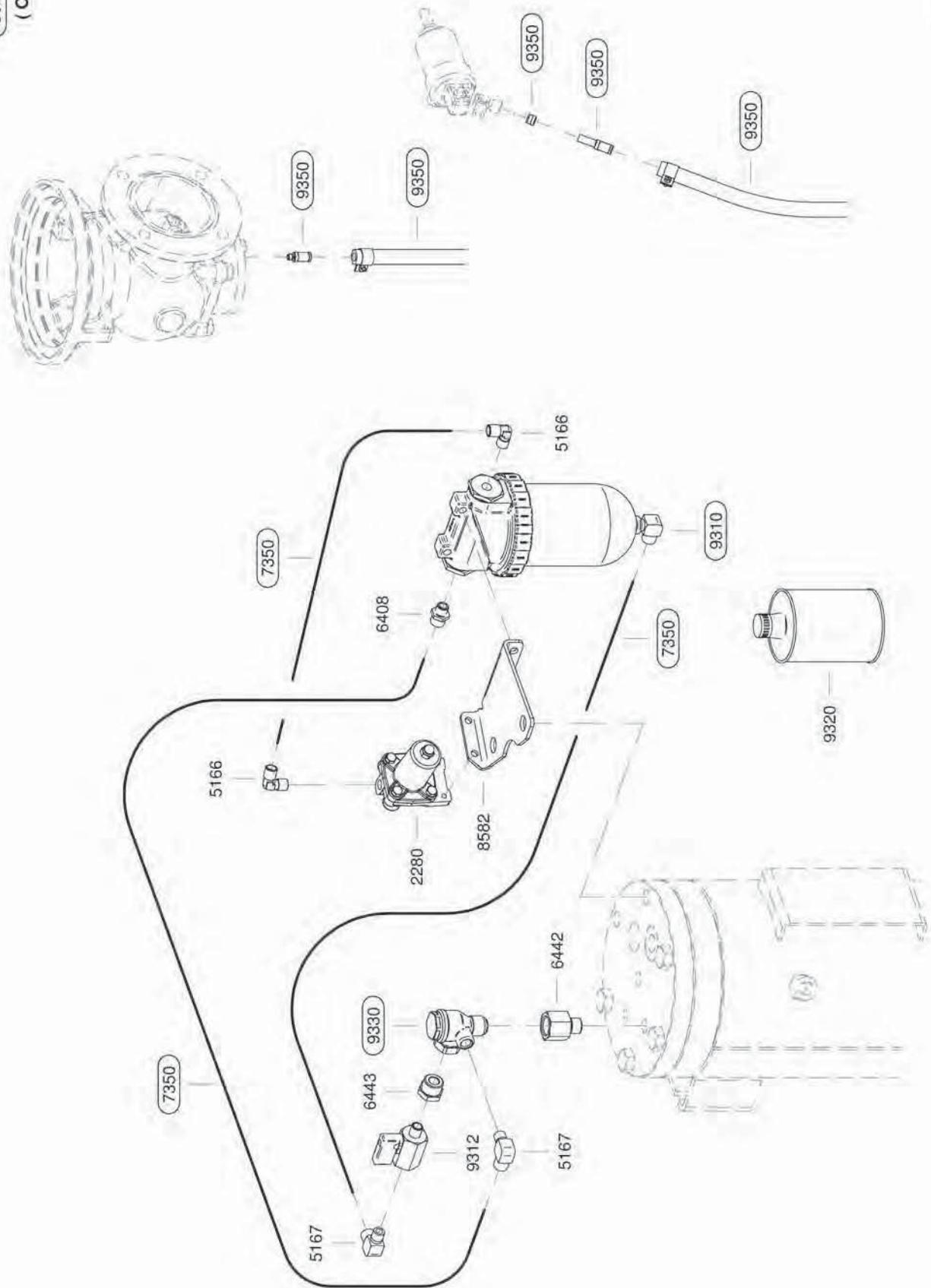
Item	Description	Option
6409	Screw-in fitting	
7350	Control line kit	
9070	T-pieces	
9210	Tool lubricator	
9212	Tool lubricator shut-off valve	
9220	Tool oil	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3502_01



Legend	KAESER
Frost protection device	SEL-2631_01E

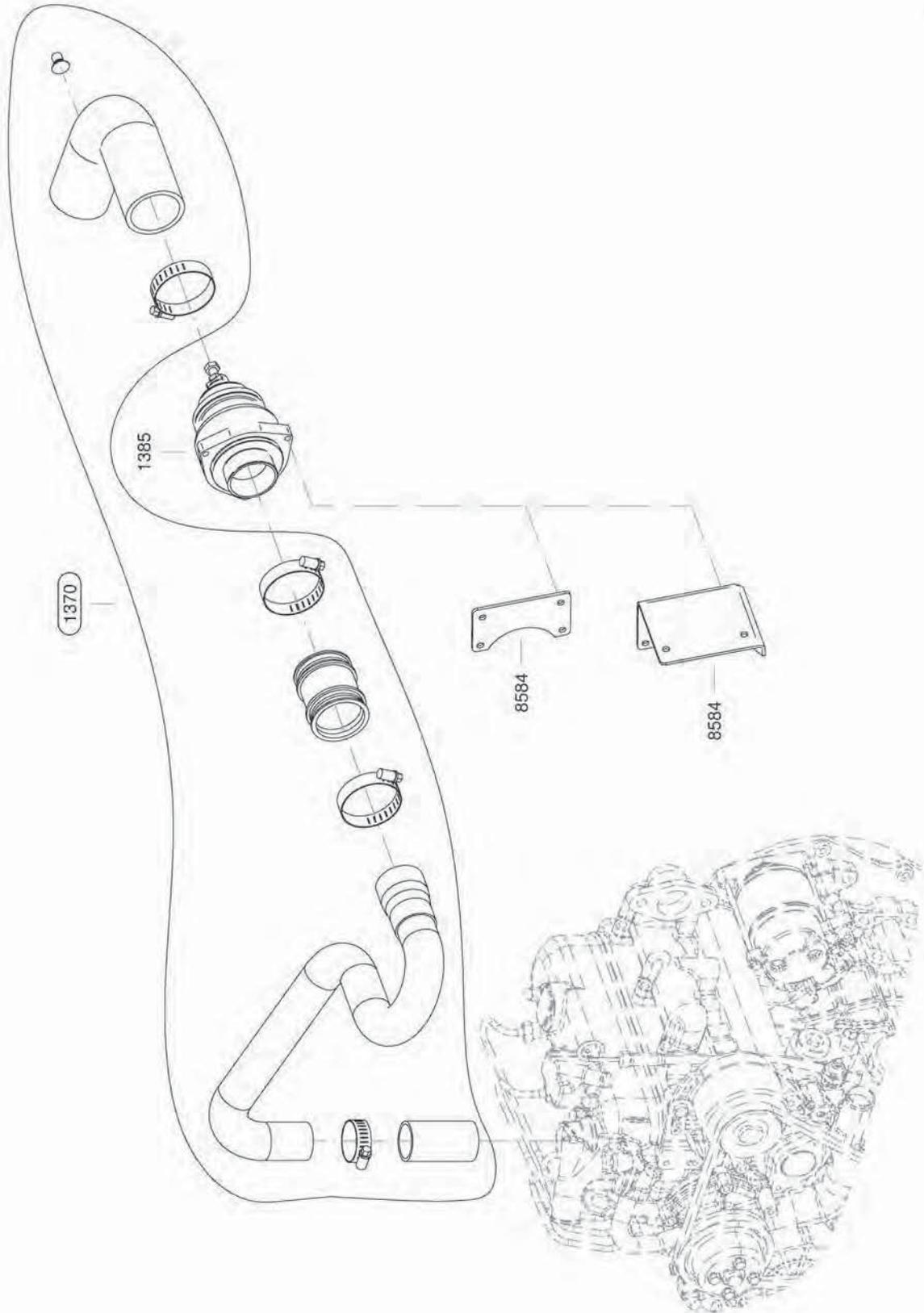
Item	Description	Option
2280	Proportional controller	
5166	Elbow fitting	
5167	Elbow fitting	
6408	Screw-in fitting	
6442	Reducer	
6443	Reducer	
7350	Control line kit	
8582	Bracket	
9310	Frost protector	
9312	Frost protector shut-off valve	
9320	Frost protector antifreeze	
9330	Defroster check valve	
9340	Defroster control line kit	
9350	Antifreeze drain set	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3503_01



Legend	KAESER
Engine air intake shut-off	SEL-2632_01E

Item	Description	Option
1370	Stop valve connection kit	
1385	Engine stop valve	
8584	Bracket	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

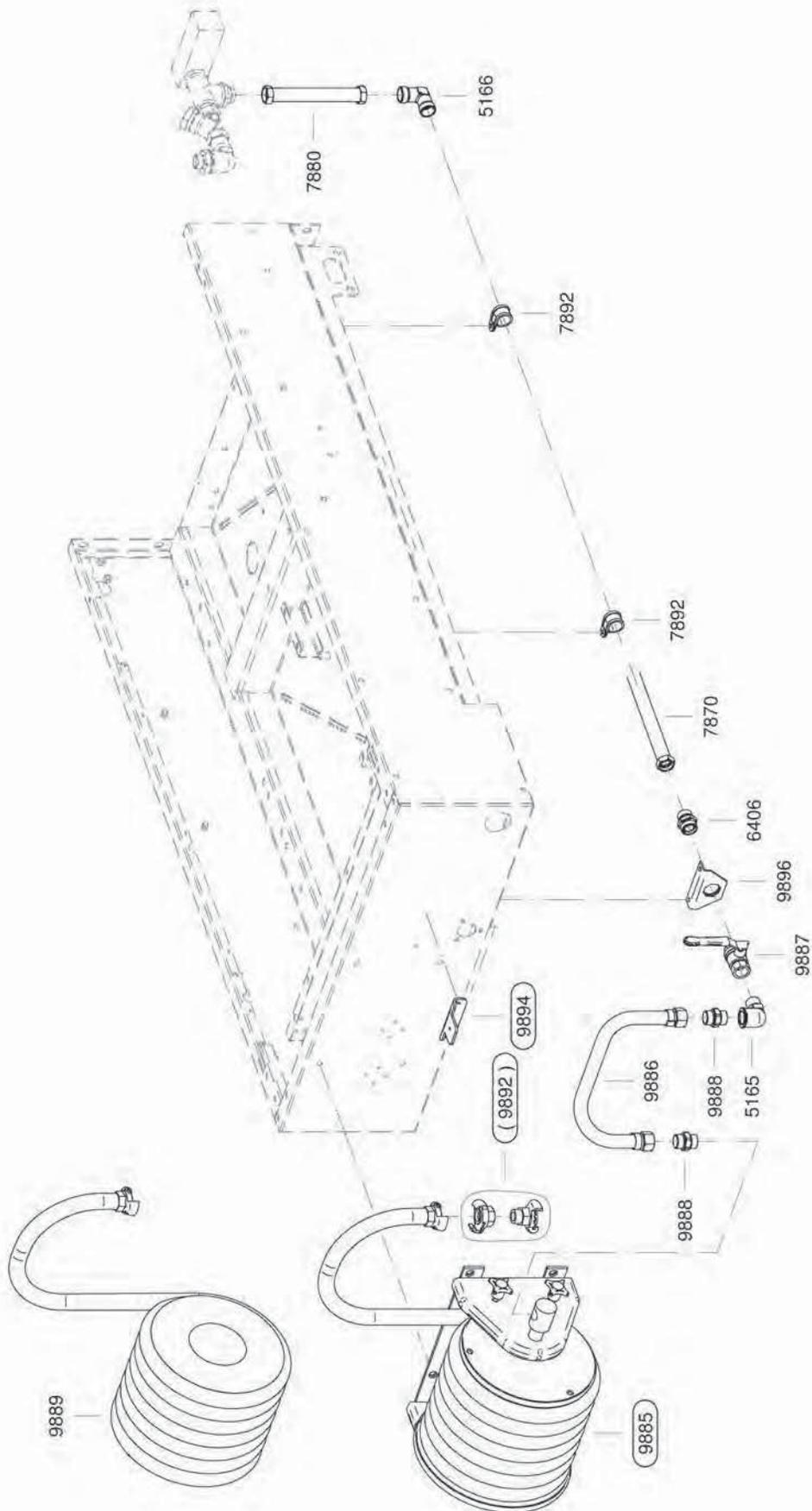
		Legend	KAESER
		Compressed Air Treatment	SEL-2635_01E
Item	Description	Option	
5129	Double nipple		
5163	Elbow fitting		
6444	Reducer		
6451	Condensate drain pipe		
7172	Hose line		
7200	Hose line		
7350	Control line kit		
8577	Support, left		
8578	Support, right		
9410	Compressed air after-cooler		
9415	Separator dirt trap		
9441	Condensate drain line kit		
9470	Aftercooler frame		

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

Service-Kit
(Option)

SEG-3507_01



Legend	KAESER
Hose reel	SEL-2636_01E

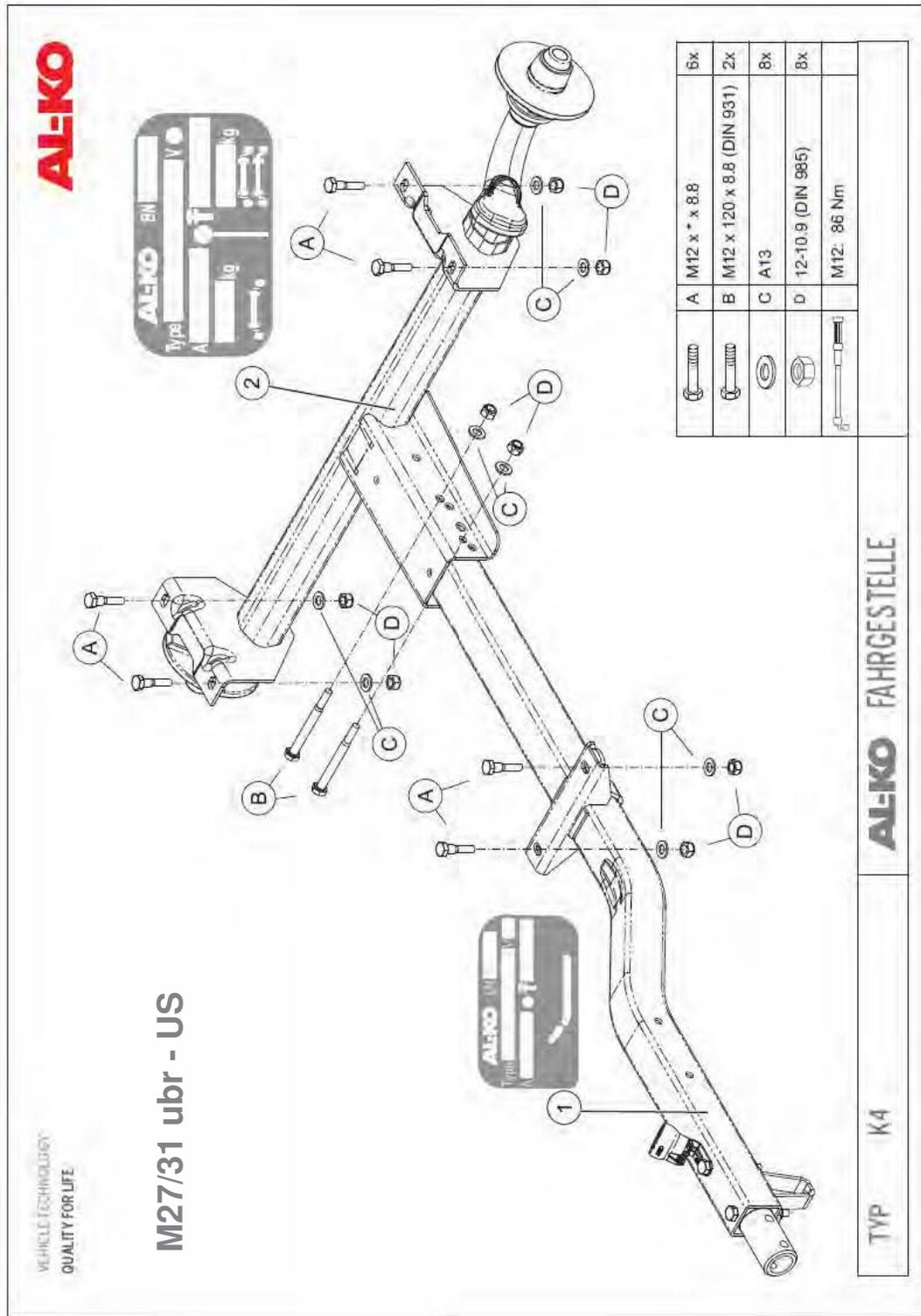
Item	Description	Option
5165	Elbow fitting	
5166	Elbow fitting	
6406	Screw-in connector	
7870	Pressure pipe	
7880	Pressure pipe	
7892	Pipe clamp	
9885	Hose reel	
9886	Consumer feed lines	
9887	Hose reel ball valve	
9888	Adapter	
9889	Spare part hose line	
9892	Claw coupling	
9894	Retainer claw coupling	
9896	Support bracket ball valve	

Please quote the part number and serial number of the machine together with the item number and the description of the part when ordering.

Before and during all work, be sure to read and follow the safety and service instructions in the machine's service manual.

11.6 Option sh
Assembly diagrams - chassis

Chassis option sh



KAESER-Dok.-Nr.:TDB-8.2706.1-MON_01D

Montagebild Fahrgestell M27-31 ubr US

R:\TBDoku\Homologierung-Mobilar\Montagebilder\M 27-31

12 Decommissioning, Storage and Transport

12.1 De-commissioning

De-commissioning is necessary, for example, under the following circumstances:

- The machine is temporarily not needed
- The machine will not be needed for a considerable time.
- The machine is to be scrapped.

Precondition The machine is shut down.

Machine dry and cool.

1. Carry out the following de-commissioning procedures.
2. Place a notice on the instrument panel describing the de-commissioning procedures carried out.

12.1.1 Temporary de-commissioning

Decommissioning for about 4 months.

Material Plastic sheeting

Moisture-resistant adhesive tape

1. Disconnect the battery (the minus terminal first and then the plus terminal).
2. Close off the following openings with plastic foil and moisture-resistant adhesive tape.
 - Engine air inlet
 - Compressor air inlet
 - Exhaust silencer
3. Attach the following notice on the instrument panel showing the decommissioning measures taken.

Attention!

1. The machine is temporarily decommissioned.
2. The following machine openings have been covered:

- Engine air inlet
- Compressor air inlet
- Exhaust silencer

3. Recommission according to service manual.

Date / signature

Tab. 70 "Temporarily decommissioned" information notice

Decommissioning of the compressor for several weeks during severe frost

1. **NOTICE** *Danger of batteries freezing!*
Discharged batteries are subject to frost damage and can freeze at 14 °F.
 - *Store batteries in a frost-free place.*
 - *Store batteries preferably fully charged.*

2. Remove the battery (batteries) and store in a frost-free room.
3. Make sure batteries are fully charged.

12.1.2 Long-term decommissioning and storage

Decommissioning the machine for 5 months or longer.

- Material
- Receptacle
 - Preserving oil
 - Preservative
 - Desiccant
 - Plastic sheeting
 - Moisture-resistant adhesive tape

➤ The following measures must be taken for long-term decommissioning and storage:

Long-term decommissioning and storage tasks	See chapter	Complied?
➤ Check engine coolant.	10.3.1	
➤ Drain the engine oil.	10.3.4	
➤ Drain the oil from the oil separator tank and the oil cooler.	10.4.3	
➤ Fill the separator tank and engine with preserving oil.	10.4.2 10.3.4	
➤ Run the machine for about 10 minutes to coat all parts with a protective oil film.	–	
➤ Disconnect the battery, the negative terminal first and then the positive terminal, and store in a frost-free room.	–	
➤ Check the battery fluid level.	10.6	
➤ Check the battery charge monthly and recharge if necessary to prevent the battery fluid freezing.	–	
➤ Clean the battery terminals and coat with acid-resistant grease.	–	
➤ Close the compressed air outlet valves.	–	
➤ Use plastic sheeting and moisture-resistant adhesive tape to seal off the following openings:	–	
<ul style="list-style-type: none"> ■ Engine air inlet ■ Compressor air inlet ■ Exhaust silencer 		
➤ Clean the bodywork and treat with preservative.	–	
➤ Hang a notice on the instrument panel informing of the decommissioning measurements taken.	–	

Tab. 71 "Long-term decommissioning and storage" checklist

- Hang the following notice on the instrument panel informing of the decommissioning measures taken.

Attention!

1. The machine is decommissioned.
2. It is filled with preserving oil.
3. For recommissioning:
 - Take measures for recommissioning the compressor after a long period of storage.
 - Recommission according to the service manual.

Date / signature

Tab. 72 "Long-term decommissioning and storage" information notice

- Store in a dry place with consistent temperature.

12.2 Transport

Precondition Machine switched off and locked off.
 The machine is fully vented, the pressure gauge reads 0 psig.
 Machine is cooled down.
 All compressed air consumers are disconnected.
 All connecting lines and hoses disconnected and removed.
 Any loose or movable parts that may fall when transporting are removed or secured.

12.2.1 Safety



Allow transportation only by personnel trained in safely dealing with motor vehicles and the transporting of goods.

1. **⚠ WARNING** *There is danger of being run over or crushed by an overturning vehicle. Death or serious injury can result from being crushed or run-over by a machine under tow.*
 - *Riding on the machine while it is under tow is strictly forbidden.*
2. Make sure the danger area is clear of personnel.

12.2.2 Towing the compressor on the road

Machines with appropriate chassis versions and running gear are approved for towing on public roads. The machine is designed for a maximum towing speed of 60 miles per hour. National and local regulations must be observed when towing the machine on public highways.

1. **⚠ WARNING** *Risk of accident when towing an unlit machine on public roads. Death or severe injury possible due to accidents with an unlit trailer.*
 - *Do not tow machines without illumination on public roads.*
2. Observe the safety instructions in chapter 3.5.2 "Safe machine operation".

12.2.2.1 Preparing for transport
Additional loading

Do not exceed the permissible loading (overall weight, coupling load, axle load). Observe national traffic laws. If additional loading is not permitted, the load must be transported in the towing vehicle.

1. Check that loading the machine with tools or accessories during transport is permissible.
2. Place additional loads only in the spaces provided (if available) and secure carefully.

Additional precautions for very dirty machines

The machine can become very dirty after prolonged use on a construction site. A machine in such condition is not suitable for towing on public roads.

1. Clean the machine, particularly the chassis, running gear, the lights and direction indicators.
2. Check the function of wheels, brakes, lights and signalling equipment.
Functional defects must be repaired prior to transport.

Additional precautions for conditions of snow and ice

Considerable snow or ice may build up on the machine under low temperature conditions.

1. **⚠ CAUTION** *Accident hazard due to snow or ice falling off the machine. Snow or ice falling off of the towed machine can endanger any following vehicles. Problems with driving dynamics and damage to the machine could occur. The maximum permissible axle load could be exceeded.*
➤ *Do not tow the machine if it is coated in snow or ice.*
2. Remove any snow or ice before towing.

Observe / perform the following prior to transport

1. Make sure the towing hitch is compatible with the ball or eye coupling on the towed machine.
2. Check that the machine is shut down and secured against accidental restarting.
3. Detach all connecting lines and hoses.
4. Make sure there are no unsecured tools lying on or in the machine.
5. Close and lock the canopy.

Option sa, sb Adjust the towbar to the height of the towing vehicle hitch

When the machine is coupled up, the towbar must be parallel with the ground.

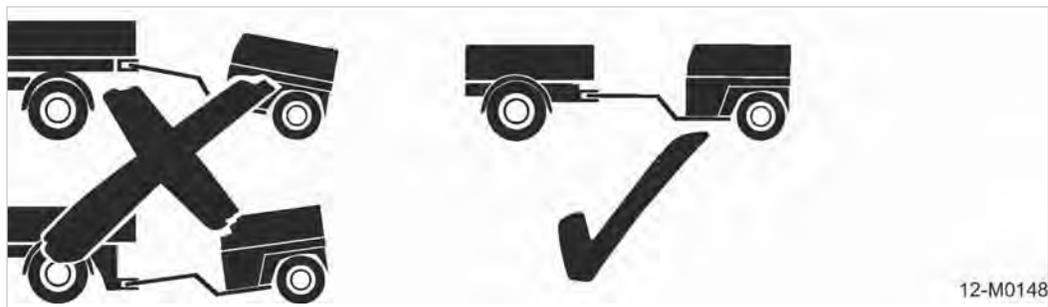


Fig. 59 Towing alignment

12-M0148

1. **⚠ WARNING** *Unstable towing alignment.*
The permissible loading range may be exceeded or undercut.
Personal injury due to an accident during the transport is possible.
Damage to the machine and/or towing vehicle or tow hitch is possible.
 - *Do not hitch the machine at an angle to the towing vehicle.*
 - *Ensure that the towbar is horizontal when coupled to the towing vehicle.*
2. Adjust the towbar height to suit the height of the hitch on the towing vehicle.

Further information See chapter 6.4 for towbar height adjustment.

12.2.2.2 Coupling-up

Option sa, sb, sd, se Coupling machine with ball coupling (EC version):

To couple up the compressor, lower the open coupling onto the ball of the towing vehicle so that it clicks into place. The coupling is fully locked when the green locking indicator protrudes and is visible from the side.

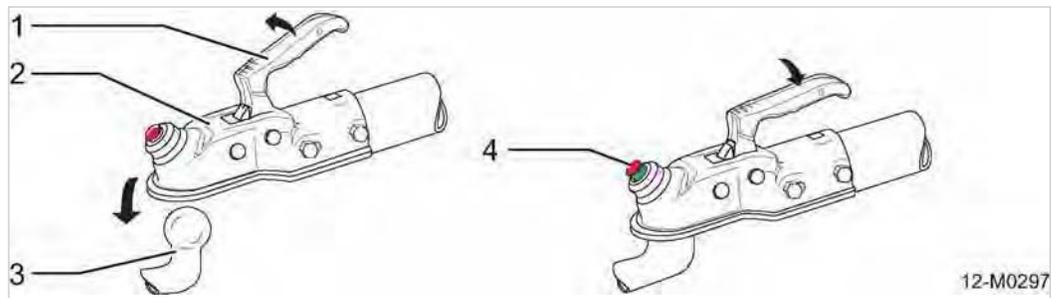


Fig. 60 Ball coupling (ALKO-EU version)

- | | |
|-------------------|----------------------------------|
| ① Coupling handle | ③ Towing vehicle ball hitch |
| ② Ball coupling | ④ Locking indicator (protruding) |

1. **⚠ NOTICE** *High risk of injury by trapped fingers!*
They can be trapped in the spring-loaded closing mechanism.
 - *Never place your fingers inside an open ball coupling.*
 - *Wear safety gloves.*
2. Pull up the coupling handle. The coupling opens
3. **⚠ WARNING** *Risk of accident due to unhitching of the ball coupling during transport!*
If the coupling is not fully closed the compressor can become uncoupled from the towing vehicle and cause an accident.
 - *The proper seating of the trailer coupling must be verified.*
4. Place the open coupling over the towing vehicle ball hitch.
 The weight on the coupling will cause it to audibly latch. The coupling locks automatically. Closing and locking is automatic.
5. Push the handle down to be certain of locking.
 The coupling is fully locked when the handle is fully down and can be pushed no further.
6. Check correct coupling.
 - Check that the coupling handle cannot be pushed further down.
 - Check that the locking indicator is protruding and visible.



The locking indicator is not visible.

- Lift the handle and uncouple.
- Set the coupling back on the towing vehicle ball hitch and push down.

Checking the ball coupling wear indicator (EU version):

The ball coupling is equipped with a wear indicator.

The wear indicator shows:

- The wear limit of the coupling ball on the towing vehicle.
- The wear limit of the ball hitch.

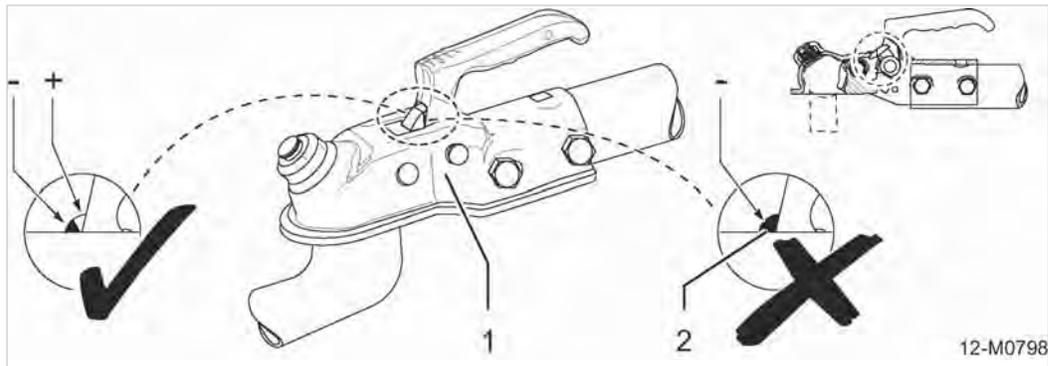


Fig. 61 Ball coupling wear indicator (ALKO-EU version)

- ① Ball coupling
- ② Wear indicator
- ⊕ Green zone (OK)
- ⊖ Red zone (wear limit exceeded)

1. **⚠ WARNING** *Danger of accident from worn coupling!*
The machine may detach from the towing vehicle.
 - *The machine must not be hitched and transported.*
 - *Have the ball coupling and ball hitch checked.*
 - *Replace worn parts.*
2. Couple up the machine and tow slowly and carefully for about 500 yards.
The action of towing sets the coupling mechanism to maximum closure and gives a true reading on the wear indicator.
3. Interpret the wear indicator as follows:

Wear indicator	Meaning
Green zone showing	<ul style="list-style-type: none"> ■ Ball hitch is in new condition. ■ Towing vehicle ball hitch wear within acceptable limits. ➤ No action necessary.

Wear indicator	Meaning
Red zone showing	<ul style="list-style-type: none"> ■ Ball hitch wear at acceptable limit, ball coupling unworn. ■ Ball hitch in new condition; ball coupling showing increased wear. ■ Both ball and coupling showing increased wear. ■ Ball coupling is damaged. <p>➤ Have the ball coupling and ball hitch checked by a specialized workshop or an authorized KAESER service representative.</p> <p>➤ Replace worn parts.</p>

Tab. 73 Ball coupling wear indications

Option sh Coupling machine with ball coupling (US version):

To couple up the compressor, lower the open coupling onto the ball hitch of the towing vehicle so that it clicks into place.

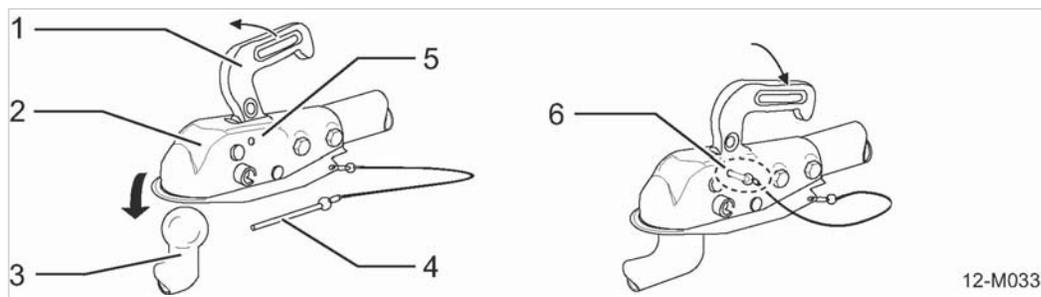


Fig. 62 Ball coupling (ALKO-USA version)

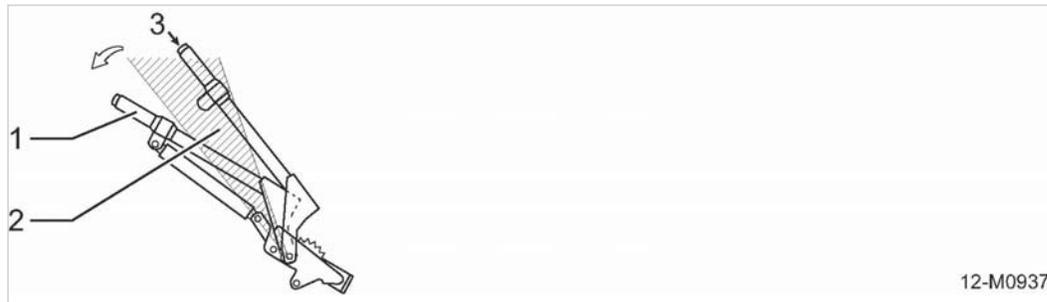
- | | |
|-----------------------------|-----------------------------------|
| ① Coupling handle | ④ Safety pin |
| ② Ball coupling | ⑤ Mounting opening for safety pin |
| ③ Towing vehicle ball hitch | ⑥ Ball hitch properly secured |

1. **NOTICE** *High risk of injury by trapped fingers! They can be trapped in the spring-loaded closing mechanism.*
 - Never place your fingers inside an open ball coupling.
 - Wear safety gloves.
2. Check if the security pin is removed from the coupling and draw it out if not.
3. Pull up the coupling handle.
The coupling opens.
4. **WARNING** *Risk of accident due to unhitching of the ball coupling during transport! If the coupling is not fully closed the compressor can become uncoupled from the towing vehicle and cause an accident.*
 - The proper seating of the trailer coupling must be verified.
 - Check correct location of the security pin.
5. Place the open coupling over the towing vehicle ball hitch.
The weight on the coupling will cause it to audibly close. The coupling locks automatically. Closing and locking is automatic.

6. Push the handle down to be certain of locking.
The coupling is fully locked when the handle is fully down and can be pushed no further.
7. Insert the security pin in the ball coupling fixing opening.

12.2.2.3 Ensure transport readiness of the coupled machine

Option sb, sd, se



12-M0937

Fig. 63 Release the parking brake with gas spring assistance

- ① Parking brake lever
- ② Dead point zone
- ③ Brake lever release button

Option sa, sb Preparing a machine with an adjustable chassis for transport

Option sb



12-M1432

Fig. 64 Automatic jockey wheel in transport position

1. Check the height adjustment. See also chapter 6.4.
Check if:
 - The teeth in the tow bar height adjusting joints are fully engaged.
 - The locking levers are tightened
 - The security pin is fully inserted.
2. Push the support upward or crank the automatic jockey wheel to the op (end stop).
The relieved automatic jockey wheel of the coupled machine swivels into transport position, see illustration 64.
3. Check that the wheels are securely fitted and the tires are in good condition.
4. Check the tire pressures.
5. Connect the cable for the lighting and indicator systems and carry out a function check.

6. Release the parking brake:
(see Fig. 63).
 - Pull the brake lever a little further on and press the release button.
 - Hold the release button in and push the lever down past the dead point zone.
7. Install the safety chains and/or contact breaking cable at the towing vehicle, see illustration 66 and 67.
8. Remove the chocks.

Option sd, se **Preparing a machine with a fixed-height chassis (with parking brake) for transport**

1. Wind the jockey wheel to its uppermost position.
2. Check that the wheels are securely fitted and the tires are in good condition.
3. Check the tire pressures.
4. Connect the cable for the lighting and indicator systems and carry out a function check.
5. Release the parking brake:
(see Fig. 63).
 - Pull the brake lever a little further on and press the release button.
 - Hold the release button in and push the lever down past the dead point zone.
6. Contact breaking cable at the towing vehicle, see illustration 67.
7. Remove the chocks.

Option sh **Preparing a machine with a fixed-height chassis (without parking brake) for transport**

Option sh

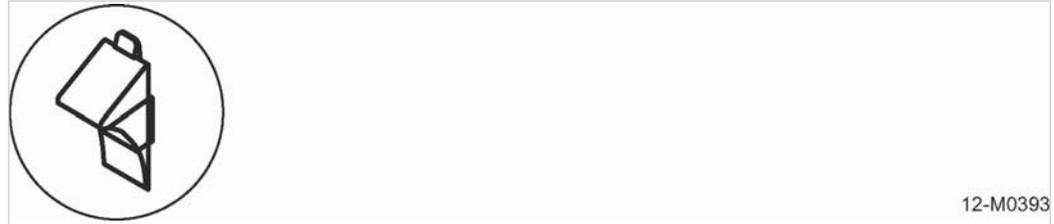


Fig. 65 Safety signs: secure chocks

1. **⚠ WARNING** *Missing chocks!*
Serious injury or death can result from an unsecured machine rolling away.
 - *Secure the chocks in the transport securing device before transporting the machine.*
 - *Immediately replace missing chocks.*
2. Wind the jockey wheel to its uppermost position.
3. Check that the wheels are securely fitted and the tires are in good condition.
4. Check the tire pressures.
5. Attach the lighting and indicator systems and carry out a function check.
6. Remove the chocks and secure them in the transport securing device.



Replacement chocks can be obtained from KAESER. A list is given at the end of this manual. The part number of the chock is 5.1325.0.

Option sa Additional breakaway prevention

The towbar may also be equipped with two safety chains as additional protection against break-away from the towing vehicle.

It is essential that both safety chains be attached to the towing vehicle before towing.

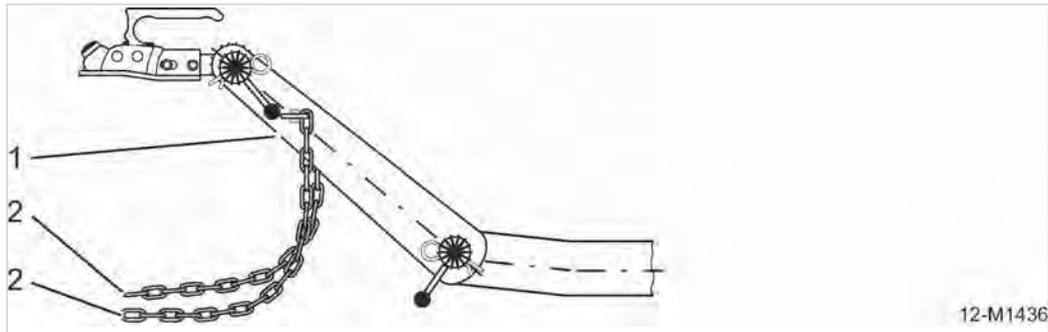


Fig. 66 Installing the safety chains

- ① Height adjustable towbar
- ② Safety chains

1. Check if the towbar is provided with safety chains.
2. If available, pick up the ends of the chains and cross the chains.
3. Loop the ends over the hooks provided on the towing vehicle.
4. If no special hooks are provided, secure the chains to the ball hitch.

Option sb, sd, se Ensure emergency braking in the case of breakaway from the towing vehicle:

If the compressor breaks away from the towing vehicle, the cable tightens and pulls on the emergency brake (parking brake).

It is essential that the breakaway cable is threaded through its guides for correct emergency braking.

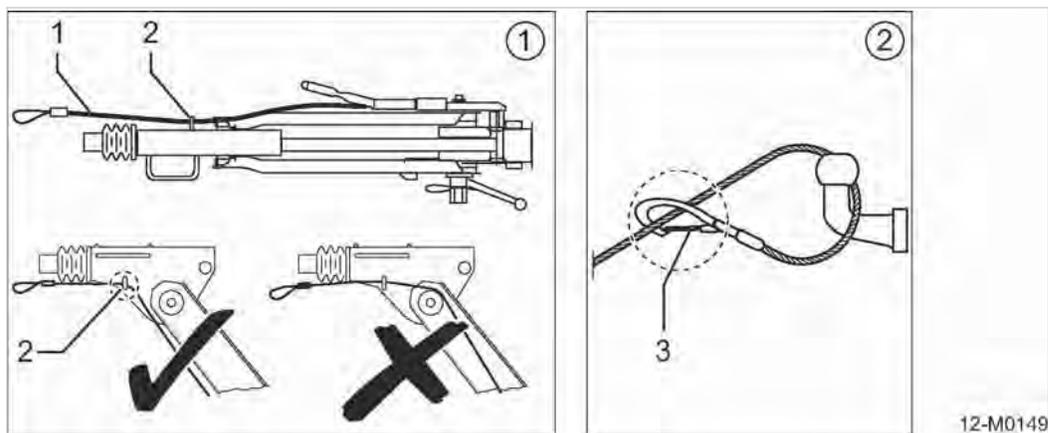


Fig. 67 Contact braking cable attachment

- ① Breakaway cable
- ② Breakaway cable guide (eye)
- ③ Connection (spring clip)

1. **NOTICE** *Inadvertent braking!*
If the breakaway cable is too short it can apply the brakes when rounding a curve. This imposes high wear on the braking system.
 - *Use a contact braking cable of sufficient length.*
2. Thread the breakaway cable through the guide welded on the side of the towbar.
3. Loop the end of the cable round the towing vehicle hitch and secure with the spring clip.

12.2.3 Parking the compressor

Towing compressors with parking brake

The parking brake is not a running brake and is used only to lock the wheels when the machine is positioned. The gas spring automatically increases parking brake force if the machine rolls backwards or when parked on a slope.

Option sb, sd, se

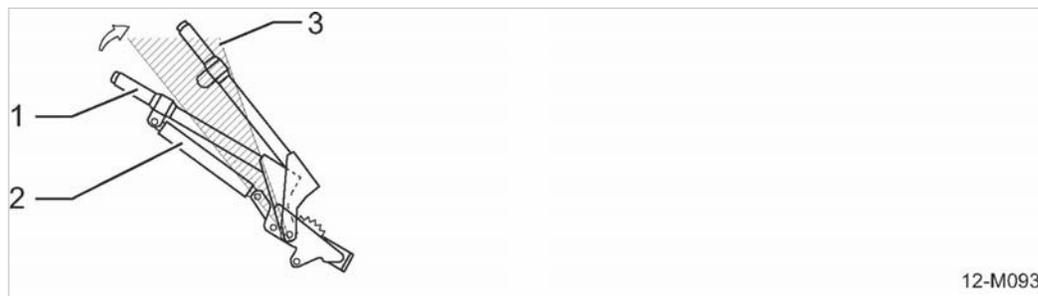


Fig. 68 Actuating the parking brake with gas spring assistance

- ① Parking brake lever
- ② Gas spring
- ③ Dead point zone

- Always engage the parking brake when parking the machine.

12.2.3.1 Option sa Parking a machine with a height-adjustable chassis

When parking on a slope, securely chock the machine before uncoupling.

⚠ WARNING

Machine without parking brake.

Serious injury or death can result from an unsecured machine rolling away.

- *Securely chock the machine before uncoupling.*
- *As a general rule, the machine should always be blocked with chocks when it is not being moved.*

1. Use a coupled towing vehicle to move the machine into position.
2. Place chocks under the wheels.
3. Loosen the lighting and signaling system.
4. Throw the clamping lever to loosen the support.
5. Manually lower the support.

6. Throw the clamping lever to re-secure the support.
The support must be secured.
7. Pull up and lift the coupling release lever.
8. Position the towing mechanism laterally next to the towing device of the towing vehicle.
9. Slowly remove the towing vehicle from the machine.

12.2.3.2 Option sb

Parking a machine with a height-adjustable chassis and automatic jockey wheel

In a parked machine which is separated from the towing vehicle, the machine's bearing load affects the automatic jockey wheel.

For this reason, the automatic jockey wheel of a separated machine must be wound down until the cam ② no longer touches the bead ①. The automatic folding of the wheel suspension is thus blocked (see figure 69/A).

When the jockey wheel of a separated machine is wound up further, the bead pushes against the cam of the retaining pin (see figure 69/B). The retaining pin ③ unlocks the wheel suspension ④ which will abruptly fold (see figure 69/C).

⚠ WARNING

A folding wheel suspension during winding up causes the towing device to suddenly crash onto the ground, potentially causing severe injuries to legs and/or feet.

- Wind the automatic jockey wheel only up when the machine is coupled to a towing vehicle.
- Wind the automatic jockey wheel up only as far as the bead does not touch the cam.
- Do not place your feet beneath the towing device.

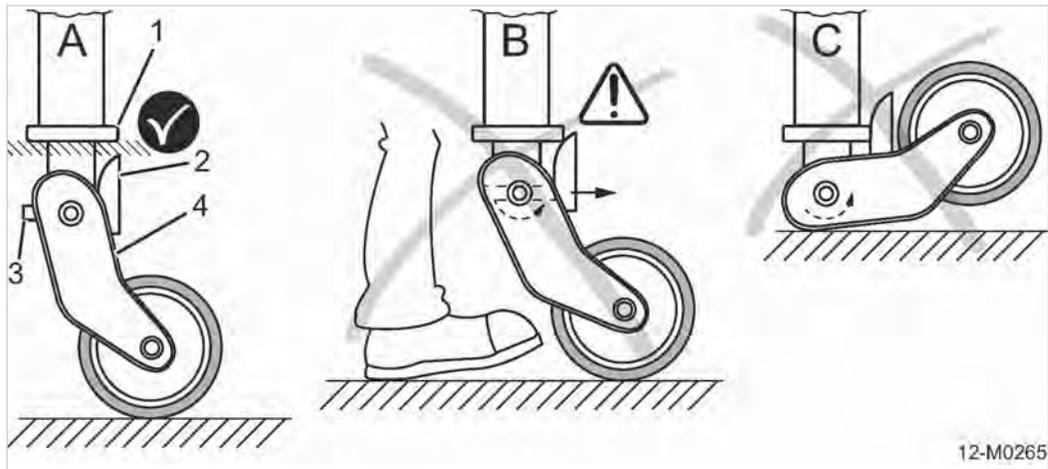


Fig. 69 Warning "Risk of injury due to falling towing device"

- | | |
|--------|--------------------|
| ① Bead | ③ Retaining pin |
| ② Cam | ④ Wheel suspension |

1. Use a coupled towing vehicle to move the machine into position.
2. Place chocks under the wheels.
3. Loosen the lighting and signaling system.

4. Pull on the parking brake past the dead point zone (see figure 68).
The gas spring holds the brake under tension.
5. Detach the breakaway cable.
6. Lower the jockey wheel.
7. Pull the coupling handle up and lower the jockey wheel further.
The ball coupling must be released from the towing device of the towing vehicle.
8. Check whether the ball coupling is positioned higher than the towing device of the towing vehicle.
9. If necessary, lower the jockey wheel further.
10. Slowly remove the towing vehicle from the machine.

12.2.3.3 Option sd, se**Parking a machine with a fixed-height chassis with parking brake**

When parking on a slope, securely chock the machine before uncoupling.

1. Use a coupled towing vehicle to move the machine into position.
2. Place chocks under the wheels.
3. Dismantle the lighting and signalling system.
4. Pull on the parking brake past the dead point zone (see figure 68).
The gas spring holds the brake under tension.
5. Detach the breakaway cable.
6. Lower the jockey wheel.
7. Pull the coupling handle up and lower the jockey wheel further.
The ball coupling must be released from the towing device of the towing vehicle.
8. Check whether the ball coupling is positioned higher than the towing device of the towing vehicle.
9. If necessary, lower the jockey wheel further.
10. Slowly remove the towing vehicle from the machine.

12.2.3.4 Option sh**Parking a machine with a fixed-height chassis without parking brake**

When parking on a slope, securely chock the machine before uncoupling.

 WARNING

Machine without parking brake.

Serious injury or death can result from an unsecured machine rolling away.

- *Securely chock the machine before uncoupling.*
- *As a general rule, the machine should always be blocked with chocks when it is not being moved.*
- *The machine should not be maneuvered by hand.*

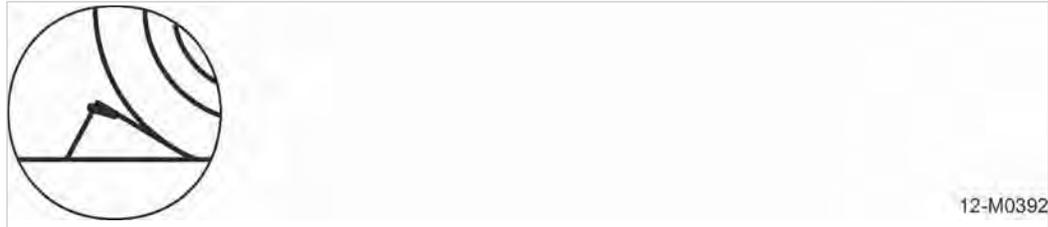


Fig. 70 Safety sign - secure the chocks

1. Use a coupled towing vehicle to move the machine into position.
2. Place chocks under the wheels.
3. Dismantle the lighting and signalling system.
4. Lower the support.
5. Withdraw the security pin from the ball coupling.
6. Pull the coupling handle up and lower the support further.
The ball coupling must be released from the towing device of the towing vehicle.
7. Insert the security pin in the ball coupling fixing opening.
8. Check whether the ball coupling is positioned higher than the towing device of the towing vehicle.
9. If necessary, lower the jockey wheel further.
10. Slowly remove the towing vehicle from the machine.

12.2.4 Transporting with a crane

Additional precautions for conditions of snow and ice

Considerable snow or ice may build up on the machine under low temperature conditions. This may adversely effect the machine's center of gravity. It is possible that the permissible loading on the crane or lifting eye is exceeded.

- Perform the following tasks in snow and ice conditions:
 - Remove any snow and ice from the machine before lifting by a crane.
 - Make sure the lifting eye cover plate is freely accessible and can be opened.

Perform the following tasks prior to moving the machine by crane

A lifting eye is provided for transporting with a crane. The lifting eye is located beneath a lift-up cover in the center of the canopy.

Precondition The canopy is closed and locked

1. Open the lifting eye cover.
2. Position the crane hook vertically over the lifting eye.
3. Engage the hook in the eye.
4. Lift the machine carefully.

Take care when setting down the machine

1. **NOTICE** *Incorrect setting down can damage the machine.*

Machine components, particularly the chassis, can be damaged by incorrectly setting down.

- *Set the machine down carefully.*
- *Do not set down unevenly.*

2. Set the machine down slowly and carefully.

12.2.5 Option sc Transporting with a forklift truck

Precondition The machine is shut down.
All connecting lines and hoses disconnected and removed.

⚠ CAUTION

*Damage to the machine by incorrect lifting with a fork truck.
The machine may fall or be damaged by the forks.*

- *Do not use a fork truck to lift towable machines.*
- *Only stationary machines with skids may be transported with a fork truck.*
- *Pick up the machine only from the side with the forks through the lifting lugs.*

Option sc

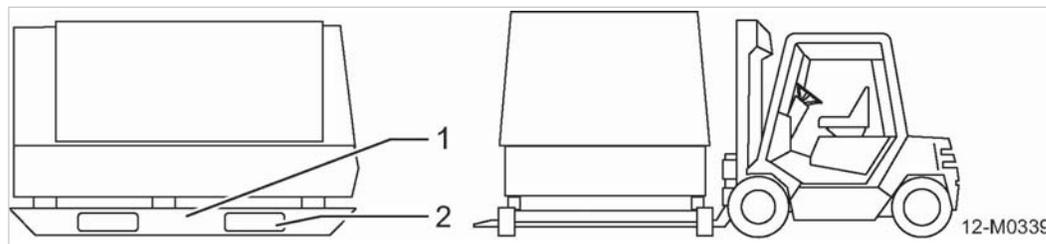


Fig. 71 Transport using a forklift truck

- ① Skids
- ② Lifting lugs

1. Close and lock the access doors or canopy.
2. Position the fork truck to the side of the machine with the forks lined up with the lifting lugs.
3. Drive the forks fully through the lifting lugs as far as possible.
The forks are fully under the machine.
4. Lift the machine carefully.

12.2.6 Transporting as a load

The medium of transport determines the type of packing and securing.

Packing and securing methods must be such that, assuming proper handling, the goods arrive in perfect condition at the destination.

Other measures must be taken for the transport of machines by sea or air. Please contact KAESER Service for more information.

Material Chocks
Restraints or timber balks
Straps

Load securing devices



- National directives and regulations for securing loads should be followed.
- Load securing is taken to mean that by full braking or sudden turning the load will not slide, fall, roll or cause unnecessary noise. Accepted technical regulations should be observed.
- Responsibility for properly secured loads falls on the driver, the vehicle keeper, and the carrier.

Use chocks, restrainers or timber balks for securing the load.
If necessary, use straps across the chassis and the tow bar.

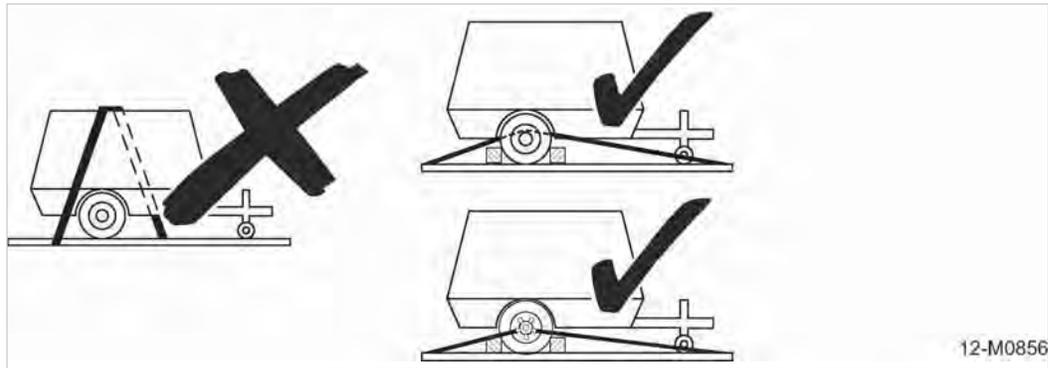


Fig. 72 Load secured by strapping

1. **NOTICE** *Straps can damage the bodywork!*
Movement during transportation can damage the bodywork.
 - Do not use straps over the bodywork.
 - Use straps only over the chassis.
2. Always observe accident and safety regulations when transporting.
3. The loads must be secured against rolling, tipping, slipping and falling.



Contact KAESER Service with any questions regarding transporting or load securing.
KAESER accepts no liability and provides no guarantee for damage arising from incorrect transport or insufficient or incorrect load securing provisions.
For hire, rental and trade fair plant, any transport safety devices used for the delivery must also be used for the return transport.

Before shipment as air freight

The machine is designated as dangerous goods for air freight purposes; any disregard can result in a heavy fine.

1. **WARNING** *Danger of fire or explosion from operating fluids/materials!*
The machine incorporates an internal combustion engine.
 - Any dangerous fluids/materials contained within the machine must be removed before transport.

2. All hazardous materials must be removed.

These include:

- Residues of fuel or fuel vapors
- Lubricating and cooling oils in the engine and compressor unit
- Electrolyte charges in rechargeable batteries.
- Residual quantities of tool lubricating oil in the tool lubricator (option ea, ec)
- Residual quantities of antifreeze in the frost protector (Option ba)

12.3 Storage

Moisture can lead to corrosion, particularly in the engine, airend and oil separator tank.

Frozen moisture can damage components, valve diaphragms and gaskets.

The following measures also apply to machines not yet commissioned.



Please consult with KAESER if you have questions to the appropriate storage and commissioning.

NOTICE

Moisture and frost can damage the machine!

- *Prevent ingress of moisture and formation of condensation.*
 - *Maintain a storage temperature of >32 °F.*
- Store the machine in a dry place, free from frost if possible.

12.4 Disposal

When disposing of a machine, drain out all liquids and remove old filters.

Precondition The machine is decommissioned.

1. Completely drain the fuel from the machine.
2. Completely drain the cooling oil and engine oil from the machine.
3. Remove used filters and the oil separator cartridge.
4. Drain the coolant from water-cooled engines and systems.
5. The battery has been removed.
6. Hand the machine over to an authorized disposal expert.



- Operating materials and components contaminated with fuel, cooling oil or engine oil must be disposed of in accordance with local environmental protection regulations.
- Old batteries are hazardous waste and must be disposed of correctly in accordance with local environmental protection regulations

13 Annex

13.1 Identification

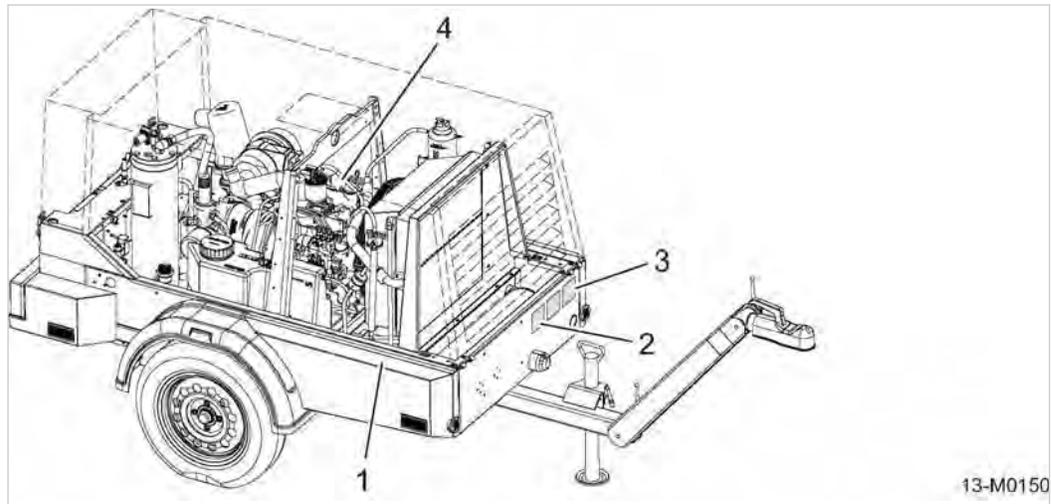


Fig. 73 Identification

- | | | | |
|---|---|---|--------------------------------------|
| ① | VIN *)
*Vehicle Identification Number | ③ | Machine nameplate with serial number |
| ② | Combined label for coupling loading and
built-in options | ④ | Engine nameplate with serial number |

13.2 Pipeline and instrument flow diagram (P+I diagram)

1	2	3	4	5	5	7	8
1	compressor - air filter						
2	filter maintenance indicator, compressor - air filter						
3	inlet valve						
4	airend						
4.1	hose coupling - oil drain						
5	oil separator tank						
5.2	screw plug						
6	oil reserve						
7	oil separator cartridge						
11	oil filler with screw plug						
12	temperature gauge switch						
13	pressure relief valve						
14	pressure gauge - control panel						
15	diesel engine						
15.2	hose coupling - oil drain						
16	oil return line						
17	dirt trap with nozzle						
18	strainer						
19	combination valve - oil temperature controller						
20	oil cooler						
21	oil filter						
23	proportional controller						
24	motor - air filter						
25	filter maintenance indicator, motor - air filter						
26	engine speed adjusting piston						
27	venting valve						
28	fan						
29	exhaust silencer						
30	coupling						
39	check valve						
41.1	solenoid valve - full load control						
43	v-belt						
44	defroster						
44.1	shut-off valve						
46	nozzle (secondary end proportional controller)						
56	water cooler						
64	generator						
83	engine air intake shut-off valve (automatic shutoff)						
84	spark arrester						
	option						
	ba	low temperature equipment					
	ga	generator					
	la	spark arrester					
	lb	spark arrester + engine air intake shut-off valve (automatic shutoff)					

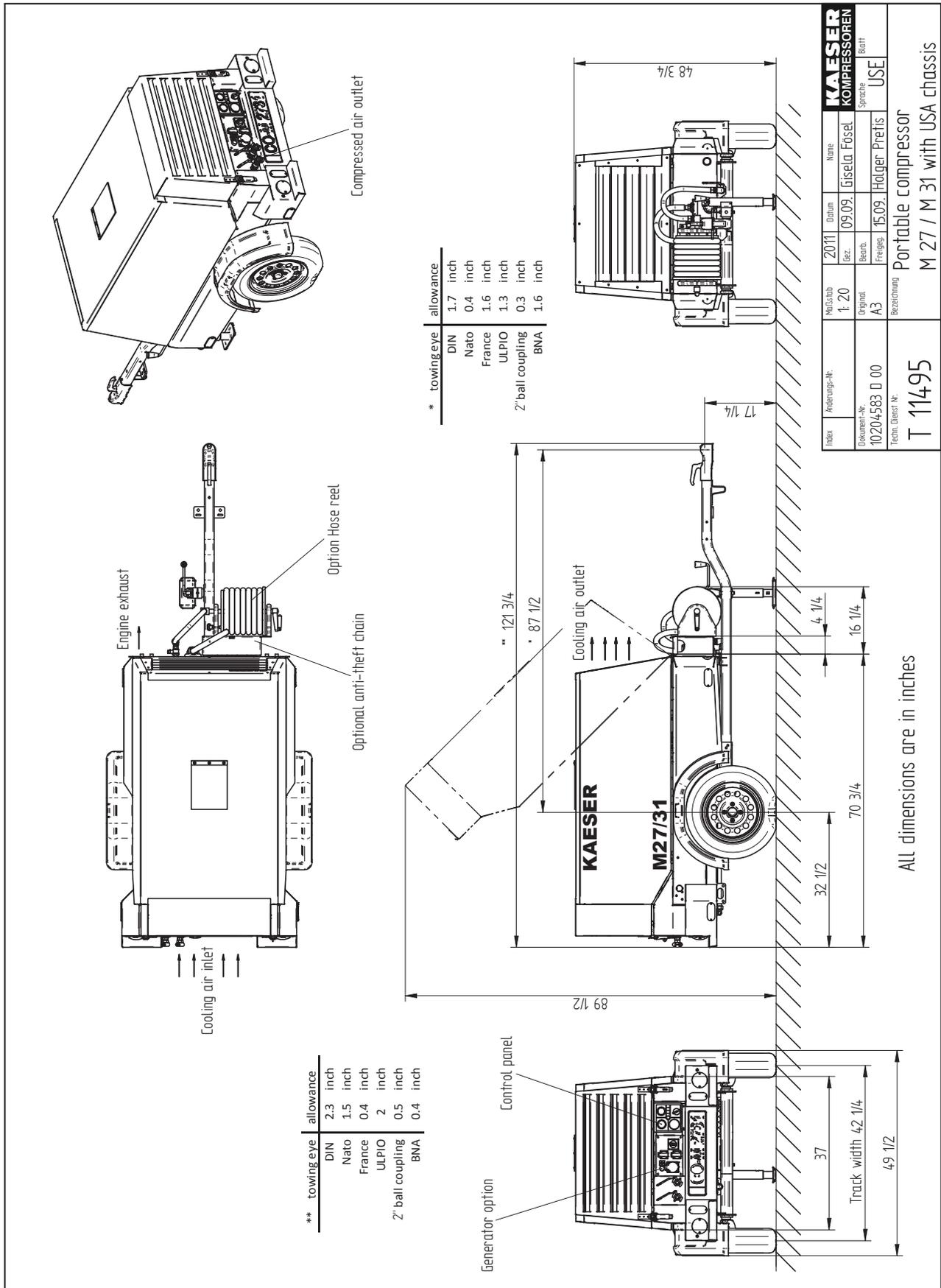
		P&I Diagram legend Mobilair M 27 / M 31	
Datum: 21.06.2011 Bearb.: Pfr. Gepr.: Markowski	Ersatz dr.:	FFMM2731ST-01040.00	Blatt: 2 E



P&I Diagram / P&I Diagram legend Mobilair M 27 / M 31 compressor air outlet options		FFMM2731DLAO-01041.00		Blatt	I
Kaeser KOMPRESSOREN Upprättning: FFMM2731DLAO-01041.00		Ersatz für:			
Datum: 21.06.2011		Ersatz durch:			
Besch.: P&I		Name:			
Exp.: Mithras		Norm:			
Anwendung:		Datum:			

13.3 Dimensional drawings

13.3.1 Option sh Dimensional drawing, chassis without parking brake



Modell	2011
Änderungs-Nr.	1: 20
Dokument-Nr.	10204583 D 00
Techn. Dienst-Nr.	T 11495
Name	Gisela Fösel
Datum	09.09.
Bezugs.	15.09.
Freigeleg.	Holder Pretis
Original	A3
Bezeichnung	Portable compressor
Sprache	USE
Bauart	M 27 / M 31 with USA chassis

All dimensions are in inches

Die Zeichnung bildet unser ausschließliches Eigentum. Sie wird nur zu dem vereinbarten Zweck erstellt und darf zu keinem anderen Zweck verwendet werden. Kopieren oder sonstiger Vervielfältigungen einschließlich Scannen, Verbreitung oder Verwertung ohne schriftliche Genehmigung sind ausdrücklich untersagt. Die Haftung für die Richtigkeit der Zeichnung bleibt bei uns. Änderungen vorbehalten. Technische Zeichnung darf nur zum persönlichen Gebrauch verwendet werden. Änderungen sind nur mit schriftlicher Genehmigung möglich. Nachdruck ist ohne schriftliche Genehmigung des Herstellers ausdrücklich untersagt. Die Haftung für die Richtigkeit der Zeichnung bleibt bei uns. Änderungen vorbehalten. Technische Zeichnung darf nur zum persönlichen Gebrauch verwendet werden.

13.3.2 Option sc
Dimensional drawing, stationary machine (skids)

13.3.3 Option si
Dimensional drawing, stationary machine (base frame)

13.4 Wiring diagrams

13.4.1 Electrical Diagram

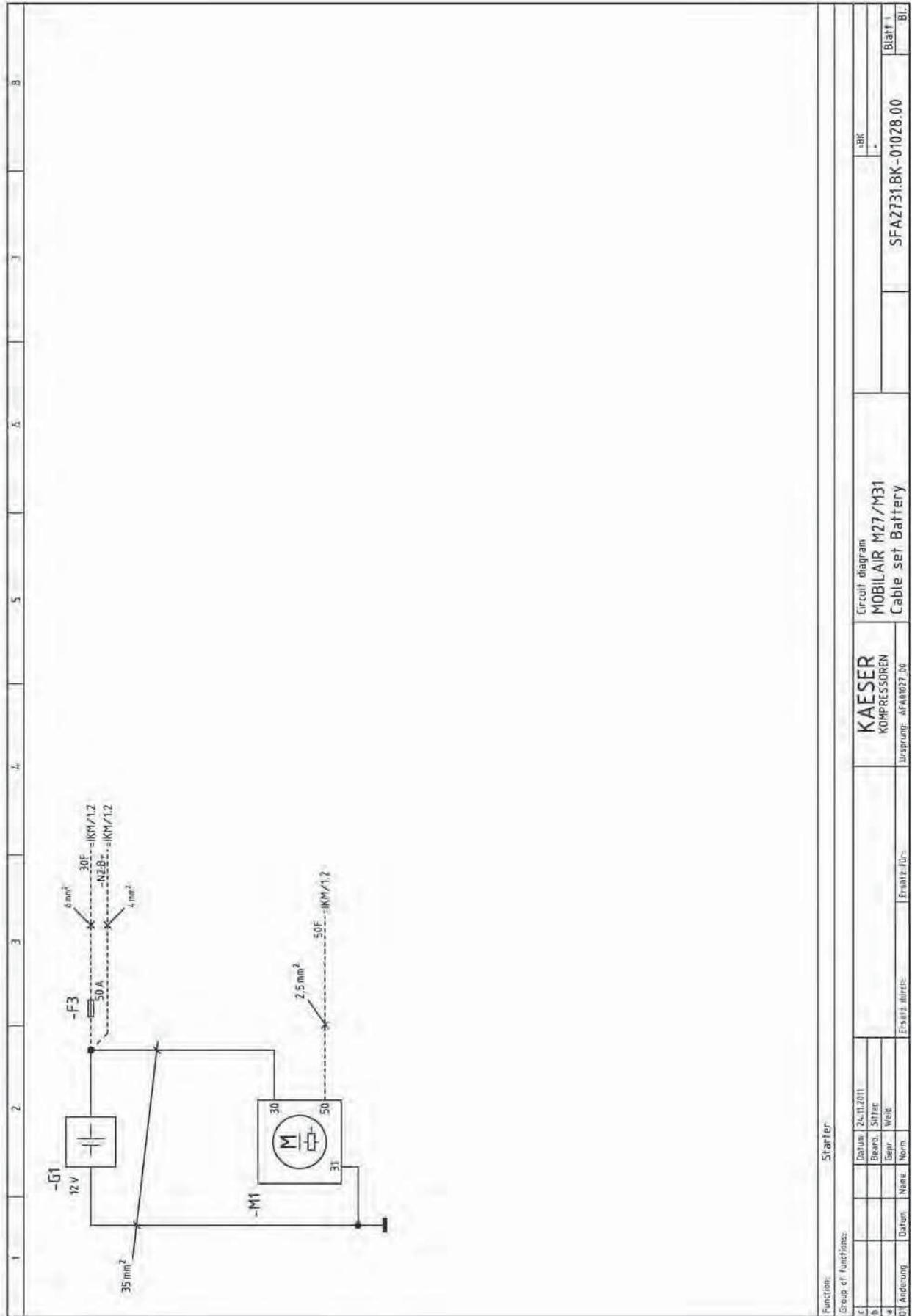
1	2	3	4	5	6	7	8	
<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> <p style="text-align: center; font-size: 1.2em;">Electrical diagrams</p> <p style="text-align: center; font-size: 1.2em;">MOBILAIR M27/M31</p> <p style="text-align: center; font-size: 1.2em;">KUBOTA – Motor</p> </div> <p style="text-align: center; margin-top: 20px;"> Manufacturer: Kaeser Kompressoren GmbH Postfach 2143 96410 Coburg </p>								
The drawings remain our exclusive property. They are entrusted only for the agreed purpose. Copies or any other reproductions, including storage, treatment and dissemination by use of electronic systems must not be made for any other than the agreed purpose. Neither originals nor reproductions must be forwarded or otherwise made accessible to third parties.								
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B	Bearb.	SHFR	West					DFA2731-01028.00
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A	Änderung	Darum	Name	Ersatz durch:				Bl.
				KAESER	Cover page			
				KOMPRESSOREN	MOBILAIR M27/M31			
				Ursprung: AFA0037_00				

Lfd. Nr. No.	Benennung Name	Zeichnungsnummer (Kunde) Drawing No. (customer)	Zeichnungsnummer (Hersteller) Drawing No. (manufacturer)	Blatt Page	Anlagenkennzeichen Unit designation
1	Cover page		DFA2731-01028.00	1	
2	List of contents		ZFA2731-01028.00	1	
3	Block diagram		UFA2731-01028.00	1	
4	Block diagram	Cross-reference	UFA2731-01028.00	2	
5	Circuit diagram		SFA2731.IK1-01028.00	1	=IK1
6	Circuit diagram	Cable set Battery	SFA2731.BK-01028.00	1	=BK
7	Circuit diagram	Compressor - unit	SFA2731.IKM-01028.00	1	=IKM
8	Circuit diagram	Control panel	SFA2731.LB1-01028.00	1	=LB1
9	Equipment parts list		GFA2731-01028.00	1	

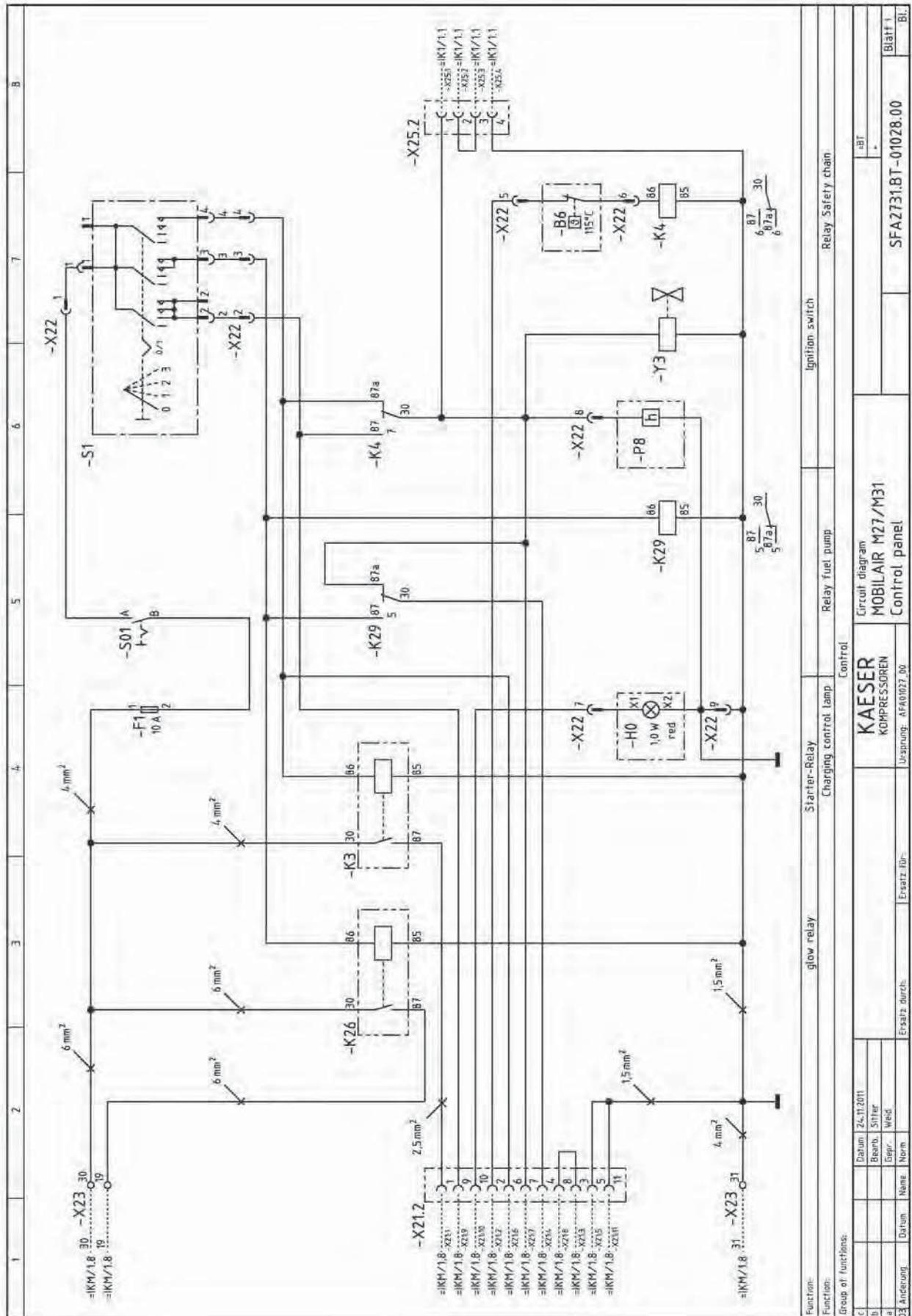
Kaeser logo		List of contents	
Kaeser logo		ZFA2731-01028.00	
Kaeser logo		Blatt I	
Kaeser logo		Bl. I	

1	2	3	4	5	6	7	B
<p>general instructions</p> <p>Control voltage 12VDC All non-designated conductors H07V-K 1,5 mm² black</p>							
<p>potentials:</p> <p>15 switched plus + (unit ON) 19 Preheat with glowplug 30 + terminal (Battery) 31 - terminal (Battery), earth 50 Starter-Control</p>							
<p>components unit</p> <p>-G1 Battery -M1 Starter-Motor -B0 Oil pressure switch Motor -B7 Cooling water-Thermostat -B9 sensor fuel level -G2 Alternator -M2 fuel pump -N2 Regulator Alternator -R10...-R13 Glowplug -Y1 Fuel shut-off valve -X21 Plug connection, Cable set Motor -X22 Plug connection, Control panel (only \a2347) -X25 Plug connection, Cable set generator</p>							
<p>components Control panel</p> <p>-B6 Distance temperature gauge Compressor airend -H0 Charging control lamp -F1 Control fuse -F3 Fuse -K3 Starter - Relay -K4 Relay Safety chain -K26 glow relay -K29 Relay fuel pump -P8 Hour meter -S1 Ignition switch</p> <p>0 = STOP 1 = ON 2 = Preheat with glowplug 3 = START</p>							
<p>-S10 switch "Control ON" -X21 Plug connection, Control panel -X23 Terminals: Terminal strip, Control panel -X25 Plug connection, Control panel -Y3 Venting valve</p>							
<p>Block diagram general instructions</p> <p>KAESER KOMPRESSOREN Ursprung: AFA002_00</p>							
<p>UFA2731-01028.00</p>							
<p>Blatt 1</p>							
<p>Bl.</p>							

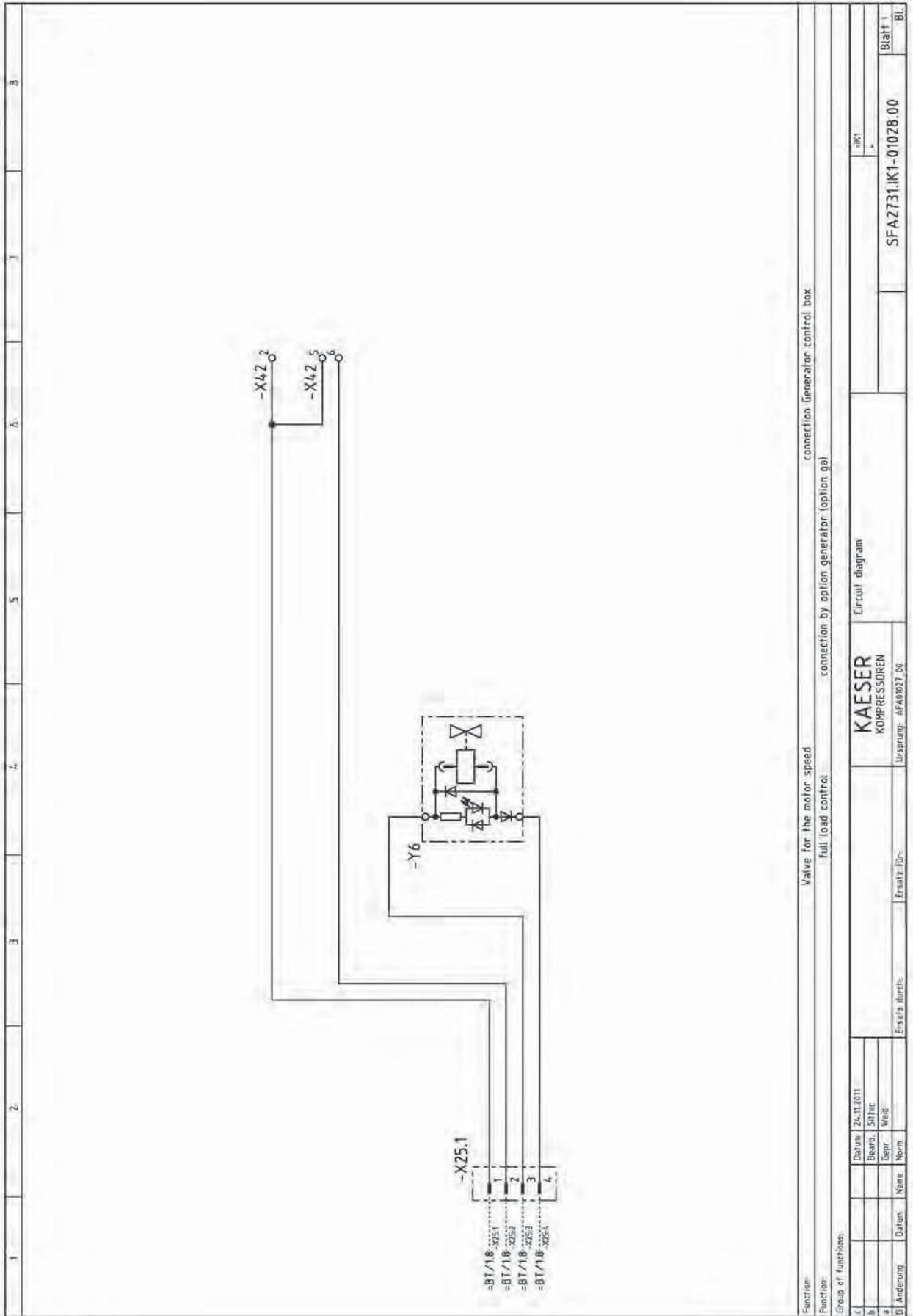
1		2		3		4		5		6		7		8	
<p>general instructions This document includes a common electrical diagram, consisting of documents:</p>															
module		Electrical diagrams				Cross-reference									
Cable set: connection Battery		SFA2731.BK-01028.00				BK									
Cable set: connection Motor		SFA2731.IKM-01028.00				IKM									
cabling Control panel		SFA2731.BT-01028.00				BT									
cabling unit components 1		SFA2731.IK1-01028.00				IK1									
c		Datum		24.11.2011		c				Block diagram					
b		Bearb.		S.H.H.C.		b				general instructions					
a		Eingr.		Weld		a				Cross-reference		UFA2731-01028.00		Blatt 2	
L		Änderung		Datum		Name		Norm		Ersatz für		Ursprung: SFA0027.00		Bl.	



Function:		Starter	
Group of functions:		Circuit diagram	
		MOBILAIR M27/M31	
		Cable set Battery	
Kaeser		SFAZ731.BK-01028.00	
KOMPRESSOREN			
Ursprung: AFA0007_00			
Erstellt durch:		Erstellt für:	
Datum		24.11.2011	
Bearb.		SIFER	
Gepr.		Wald	
Norm			
Blatt		Blatt 1	
Änderung			



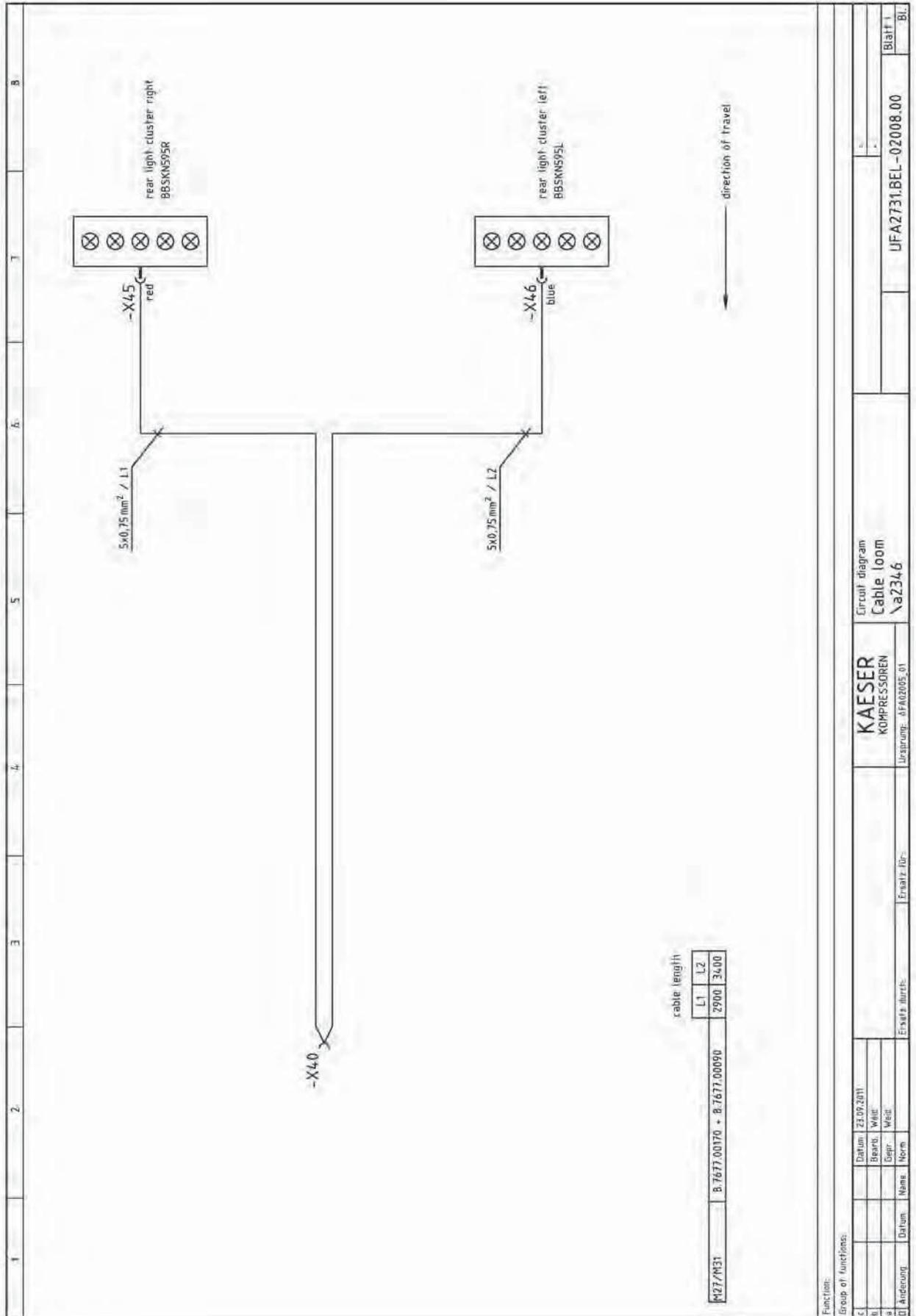
Funktion:		glow relay		Starter-Relay		Charging control lamp		Control		Relay fuel pump		Ignition switch		Relay Safety chain	
Funktion:															
Group of functions:															
c	Datum	24.11.2011													
b	Bearb.	Sifher													
a	Gepr.	Weid													
13	Änderung	Datum	Name	Norm	Erstellt durch:	Ersetzt für:	KAESER KOMPRESSOREN Ursprung: AFA0002_00		Circuit diagram MOBILAIR M27/M31 Control panel		SFAZ731BT-01028.00		Blatt 1 Bl.		

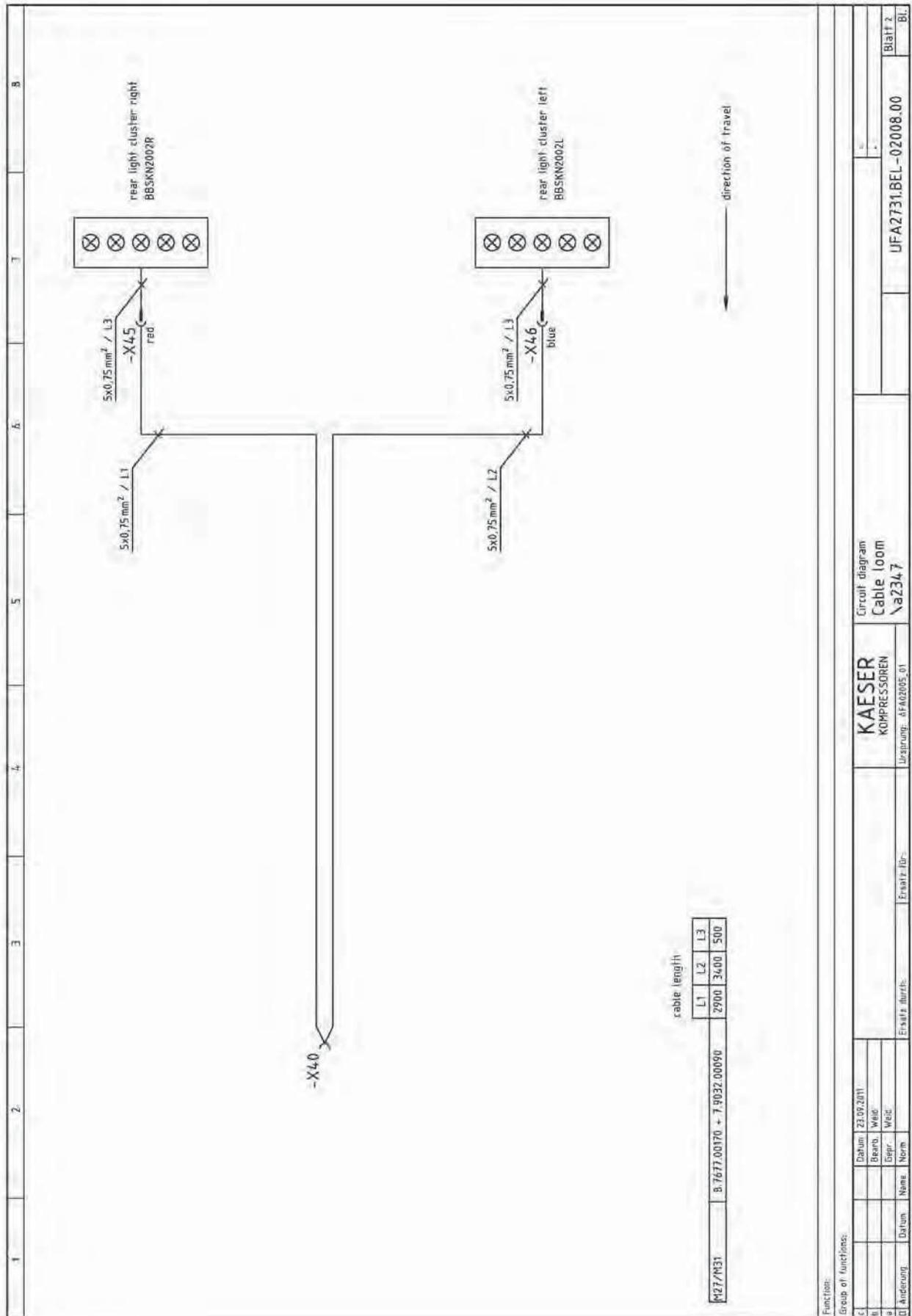


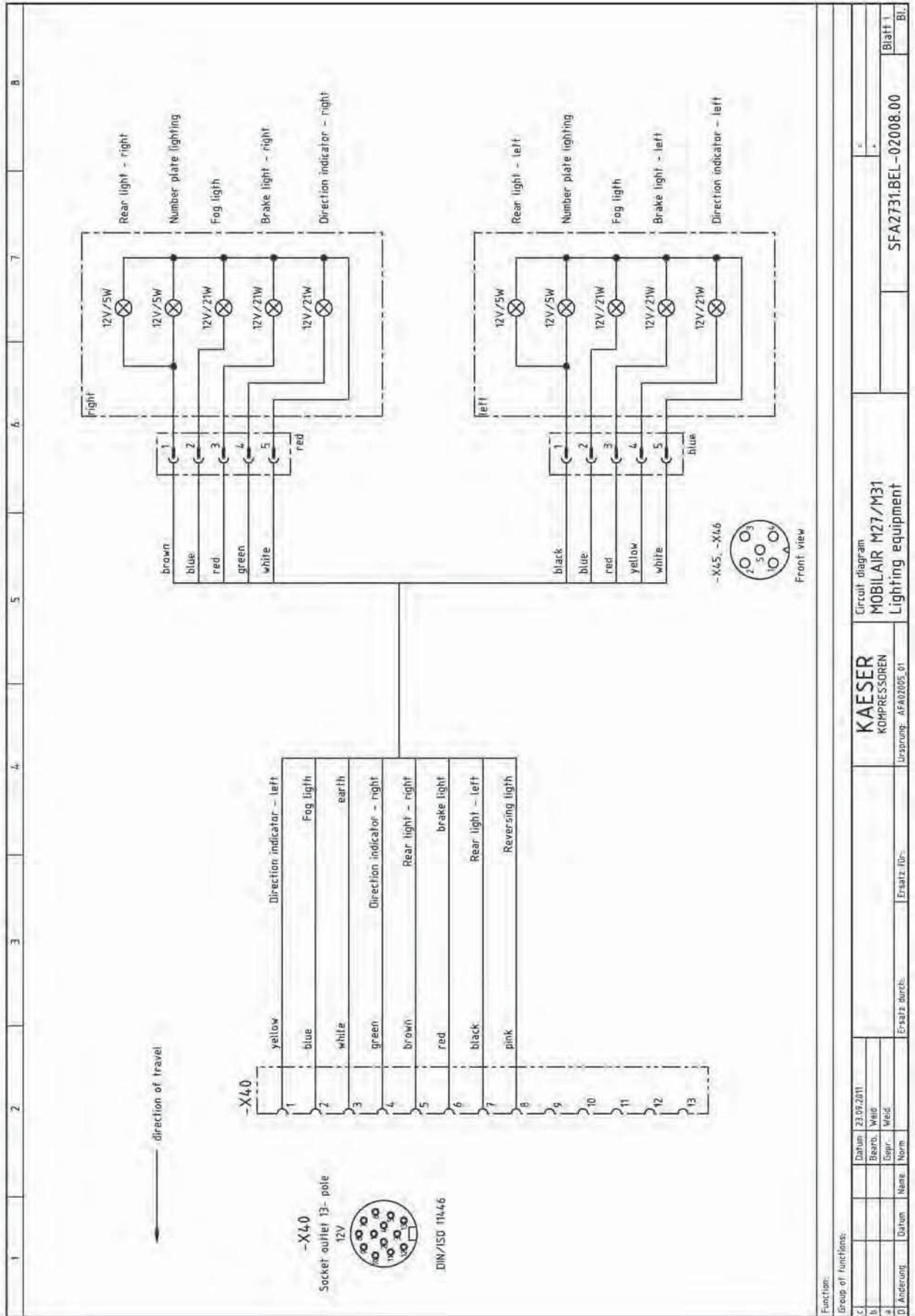
Function:		Valve for the motor speed		connection Generator control box	
Function:		Full load control		connection by option generator (option gal)	
Group of functions:					
c		Datum:	Z4-11.2011		
b		Bearb.:	Silber		
a		Erst:	Webb		
U	Änderung:	Datum	Name	Norm	
			Erst:	Änder:	
			Ursprung: #FA#007_00		
			Circuit diagram		
			SFAZ731,IK1-01078.00		Blatt 1
					Bl.

13.4.2 Option to Lighting and signaling system connection

1	2	3	4	5	6	7	8	
<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> <p style="text-align: center;">Electrical diagrams MOBILAIR M27/M31 Lighting equipment connection 12V/13-pole</p> </div> <p style="text-align: center; margin-top: 20px;"> Manufacturer: Kaeser Kompressoren GmbH Postfach 2143 96410 Coburg </p>								
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c	Darum	23.09.2011	E					Blatt I
b	Bearb.	Weid	Weid					Bl.
a	Dsg.	Norm	Norm					Bl.
(1) Änderung	Darum	Name	Ersatz durch	Ersatz für			Bl.	
				KAESER KOMPRESSOREN	Cover page MOBILAIR M27/M31 Lighting equipment		DF-A2731.BEL-02008.00	
				Ursprung: AFA02005_01				







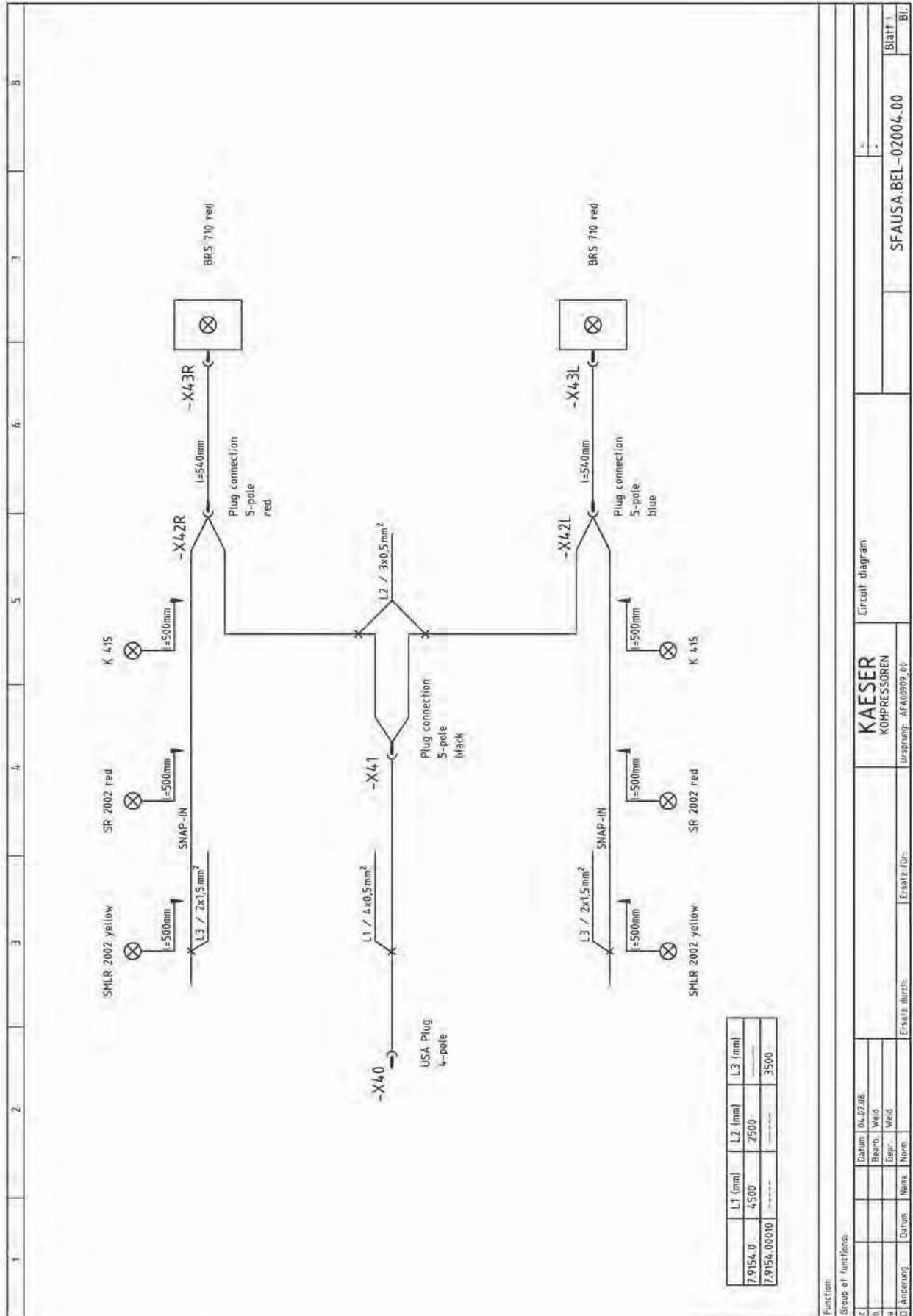
Function:
Group of functions:

C	Datum:	23.09.2011
B	Bearb.:	Wild
A	Erarb.:	Weid
D	Änderung:	Datum Name Norm
		Erstellt durch:
		Ersatz für:

KAESER
KOMPRESSOREN
Ursprung: AFA02005_01

Circuit diagram
MOBILAIR M27/M31
Lighting equipment
SFA2731.BEL-02008.00
Blatt 1
Bl.

13.4.3 Option te Lighting and signaling system connection

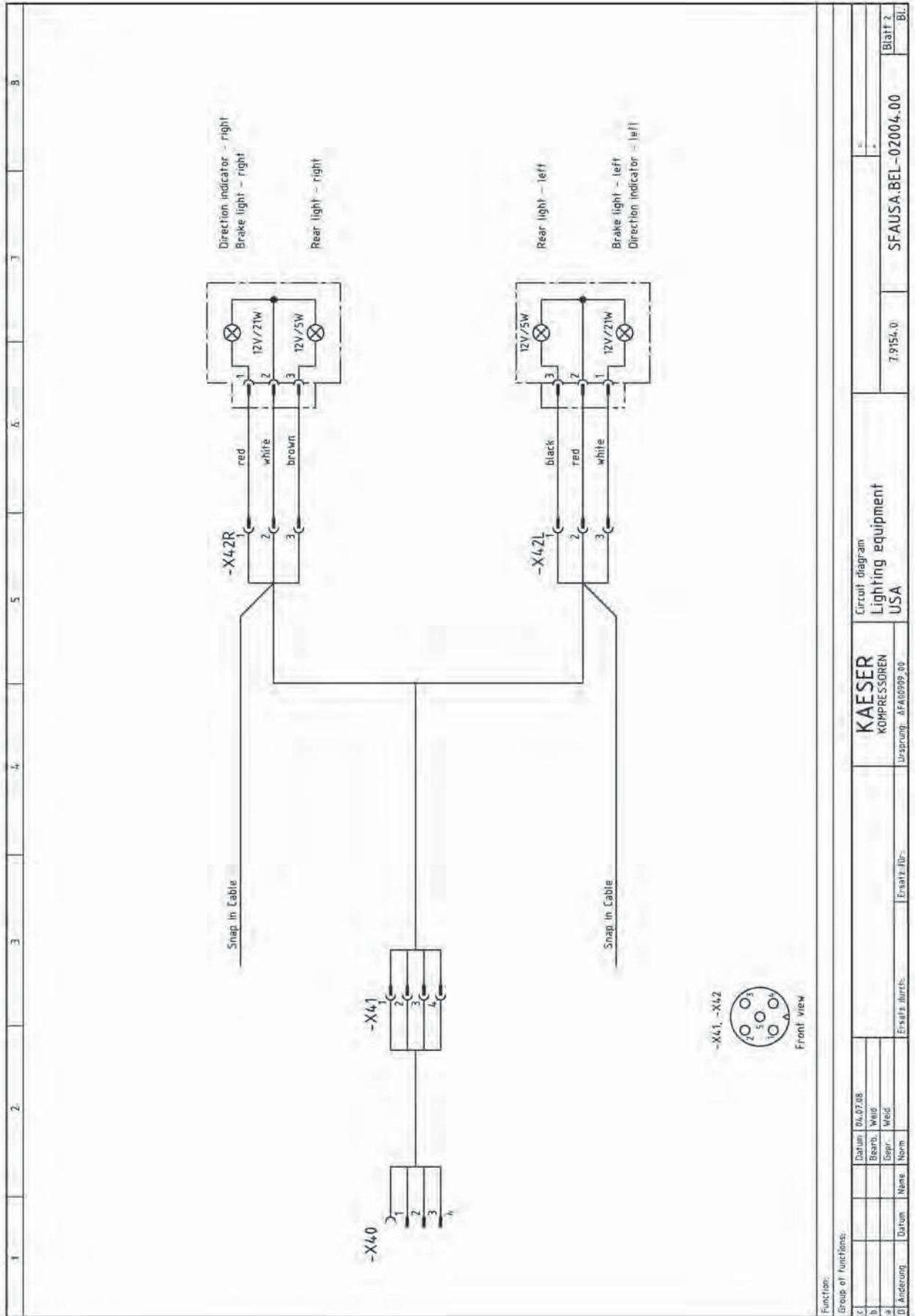


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Group of functions:

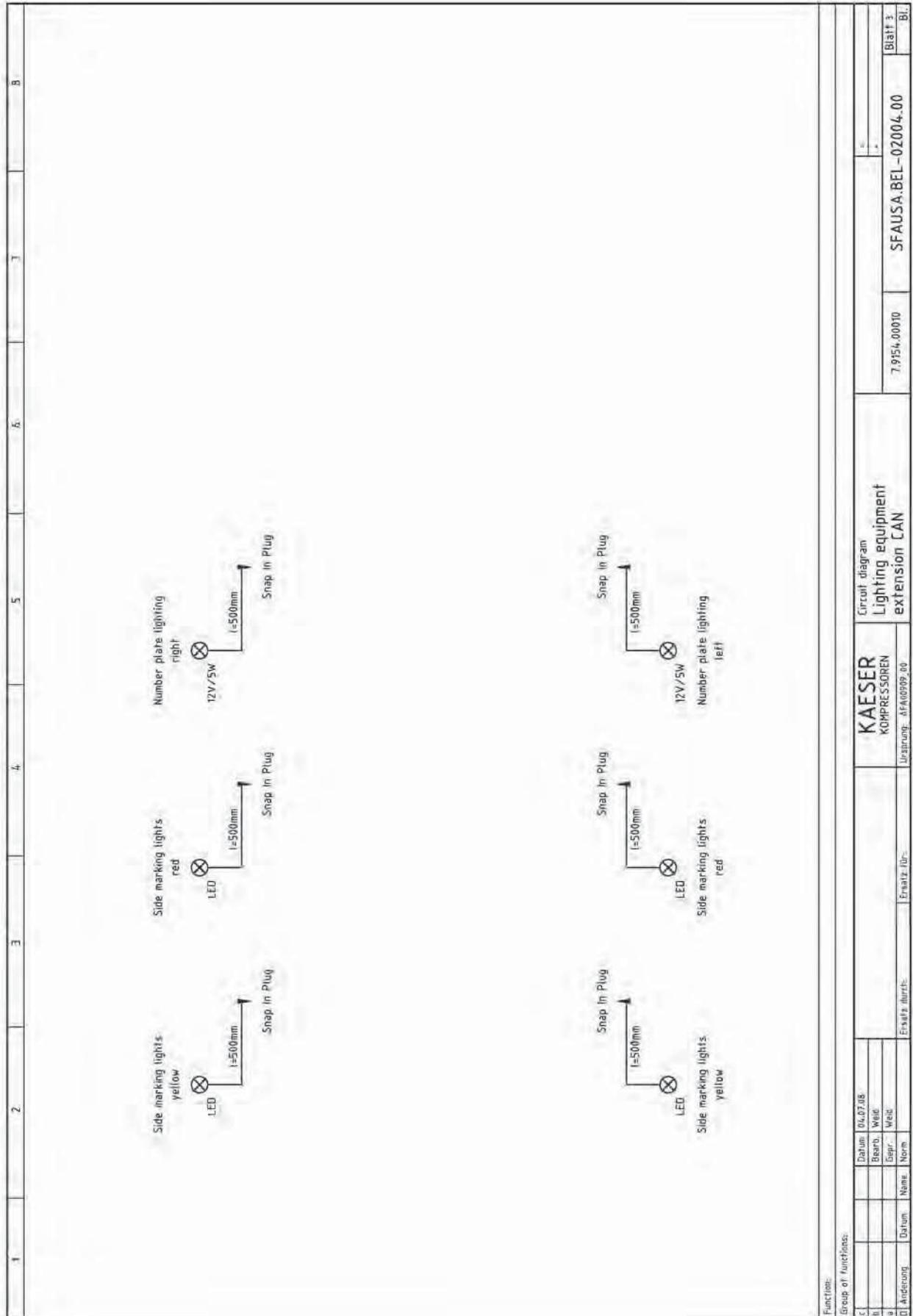
c	Datum	04.07.08
b	Bearb.	Weid
a	Erarb.	Weid

Erarb. durch:	Erarb. für:	Ursprung: AFA0999_00
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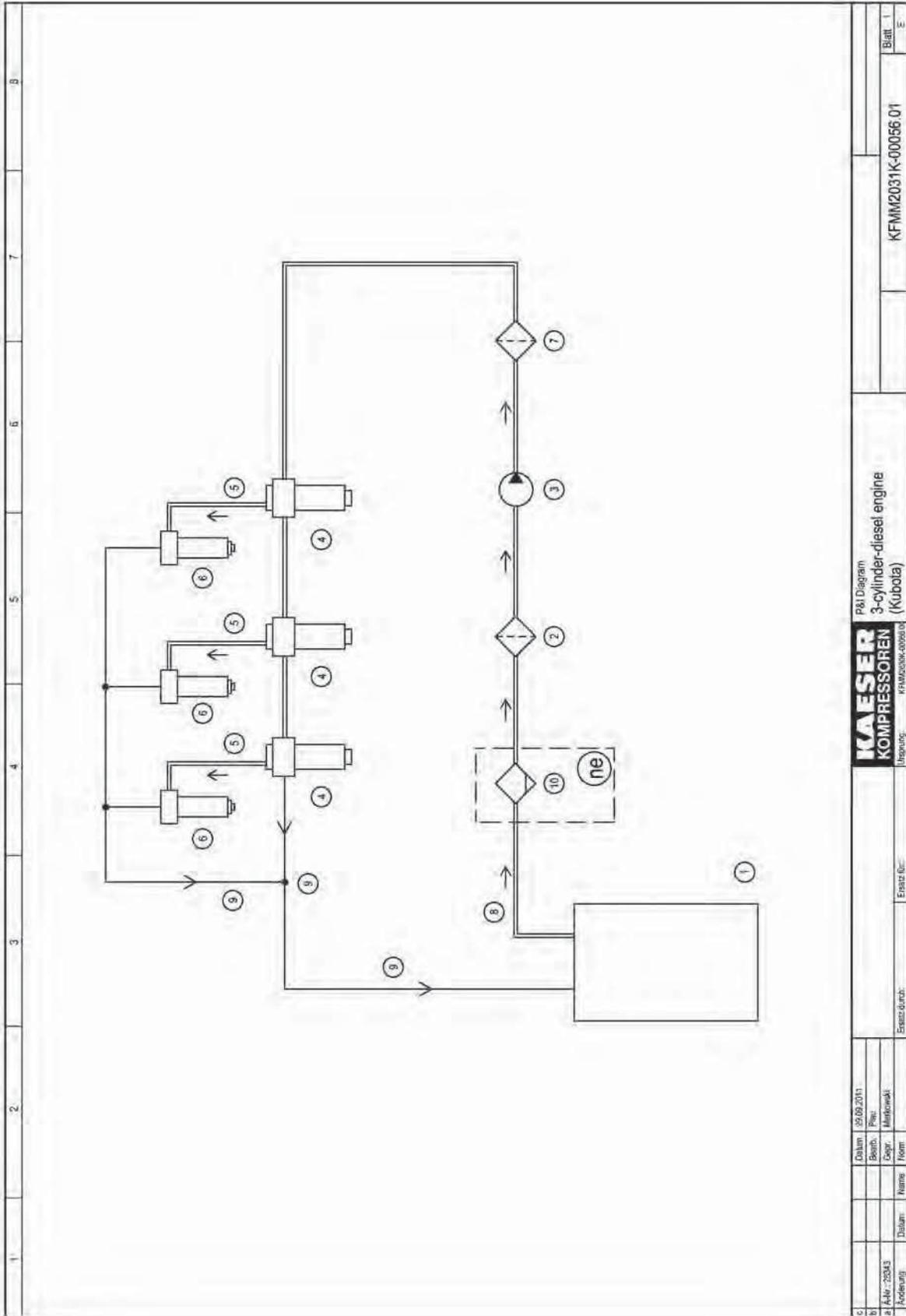
KAESER KOMPRESSOREN		Circuit diagram
SFAUSA.BEL-02004.00		Blatt 1
		Bl.



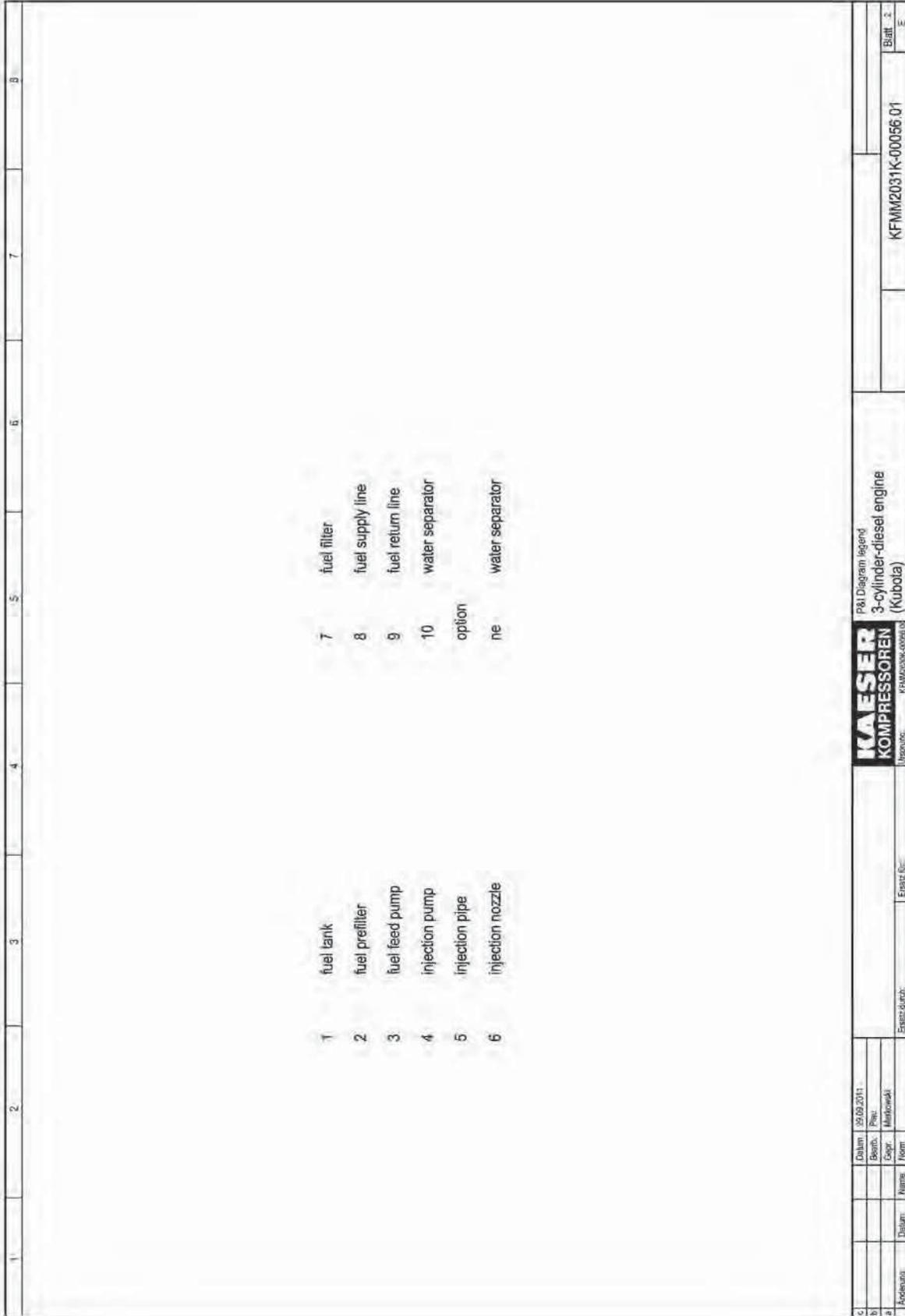
Function:		Circuit diagram		SFAUSA.BEL-02004.00	
Group of functions:		Lighting equipment		7.9754.0	
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b		KOMPRESSOREN		Bl. 1	
a		USA			
U		Ursprung: 4FA0999.00			
Ersetzung:		Ersatz für:			
Darum Name Norm		Ersatz für:			
Darum Name Norm		Ersatz für:			
Darum Name Norm		Ersatz für:			
Darum Name Norm		Ersatz für:			



13.5 Fuel circulation diagram



Datum: 02.02.2011		P&I Diagram		Blatt: 1	
Besch.: P&I		3-cylinder-diesel engine		KFM2031K-00056-01	
Exp.: Matkowski		(Kubota)		E	
Name:		KAESER		KFM2031K-00056-01	
Form:		KOMPRESSOREN		E	
Anwendung:		Usp.:		E	
Drauf:		Ersatz für:		E	
Ab:		Ersatz durch:		E	



Date: 20.02.2011		P&I Diagram legend	
Beib.:	Per:	3-cylinder-diesel engine	
Coop.:	Merksowal	(Kubota)	
#	Norm	KFM2031K-00056 01	
Erstellt durch:	Erstz. G.:	Blatt: 2	
		E	